WATER-QUALITY DATA, SAN JOAQUIN VALLEY, CALIFORNIA, MARCH 1985 TO MARCH 1987

By *L.R. Shelton and L.K. Miller*

U.S. GEOLOGICAL SURVEY

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Prepared in cooperation with the
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This report was prepared by the U.S. Geological Survey in cooperation with the San Joaquin Valley Drainage Program and as part of the Regional Aquifer System Analysis Program of the U.S. Geological Survey.

The San Joaquin Valley Drainage Program was established in mid-1984 and is a cooperative effort of the U.S. Bureau of Reclamation, U.S. Fish and Wildlife Service, U.S. Geological Survey, California Department of Fish and Game, and California Department of Water Resources. The purposes of the Program are to investigate the problems associated with the drainage of agricultural lands in the San Joaquin Valley and to develop solutions to those problems. Consistent with these purposes, program objectives address the following key areas: (1) Public health, (2) surface- and ground-water resources, (3) agricultural productivity, and (4) fish and wildlife resources.

Inquiries concerning the San Joaquin Valley Drainage Program may be directed to:

San Joaquin Valley Drainage Program
Federal-State Interagency Study Team
2800 Cottage Way, Room W-2143
Sacramento, California 95825-1898

The Regional Aquifer System Analysis (RASA) Program of the U.S. Geological Survey was started in 1978 following a congressional mandate to develop quantitative appraisals of the major ground-water systems of the United States. The RASA Program represents a systematic effort to study a number of the Nation's most important aquifer systems, which in aggregate underlie much of the country and which represent an important component of the Nation's total water supply. In general, the boundaries of these studies are identified by the hydrologic extent of each system, and accordingly transcend the political subdivisions to which investigations have often arbitrarily been limited in the past. The broad objective for each study is to assemble geologic, hydrologic, and geochemical information, to analyze and develop an understanding of the system, and to develop predictive capabilities that will contribute to an effective management of the system. The Central Valley RASA study, which focused on studying the hydrology and geochemistry of ground water in the Central Valley of California, began in 1979. Phase II of the Central Valley RASA began in 1984 and is in progress. The focus during this second phase is on more detailed study of the hydrology and geochemistry of ground water in the San Joaquin Valley, which is the southern half of the Central Valley.

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CONVERSION FACTORS

For readers who prefer to use metric units rather than inch-pound units, the conversion factors for the terms used in this report are listed below:

Multiply	By	To obtain
acres	0.4047	square hectometers
acre-feet (AC-FT, acre-ft)	0.001233	cubic hectometers
cubic feet per second (CFS, ft^3/s)	28.32	liters per second
feet (FT, ft)	0.3048	meters
inches	25.40	millimeters (mm)
miles (MI, mi)	1.609	kilometers
square miles (MI2, mi^2)	2.590	square kilometers
tons (short)	0.9072	metric tons

Water temperature is given in degrees Celsius (DEG C, °C), which can be converted to degrees Fahrenheit (DEG F, °F) by the following equation:

$$°F=1.8(°C)+32.$$

Chemical concentration is given in milligrams per liter (MG/L, mg/L) or micrograms per liter (UG/L, µg/L). Milligrams and micrograms per liter are units expressing the weight of the solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to 1 milligram per liter. Micrograms per liter is equivalent to "parts per billion."

Pesticide concentrations in bottom materials are given in micrograms per kilogram (UG/KG, µg/kg). One thousand micrograms per kilogram is equivalent to 1 microgram per gram. Micrograms per kilogram is equivalent to "parts per billion."

Explanation of abbreviations:

US/CM, µS/cm microsiemens per centimeter at 25°C

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

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ABSTRACT

Water-quality data were collected at numerous surface-water and ground-water sites in the San Joaquin Valley, California, from March 1985 to March 1987. Streamflow and physical measurements were made, and water samples for analysis of major ions, trace elements, suspended sediments, and some pesticides were collected at varying frequencies at 11 continuing-record sites and 31 miscellaneous surface-water sites on the San Joaquin River and its tributaries. Physical measurements were made and water samples were collected for analysis of major ions, trace elements, and some pesticides at 285 ground-water sites in the western and southern San Joaquin Valley.

INTRODUCTION

Agricultural drainage problems in the San Joaquin Valley, California, have attracted National attention since 1983, when selenium in water from subsurface tile-drainage systems in the central part of the western valley was found to have toxic effects on waterfowl at Kesterson Reservoir (Presser and Barnes, 1985; Ohlendorf and others, 1986). A Federal and State of California interagency study effort was initiated in 1984, aimed at assessing management options for agricultural drainage in the valley. The U.S. Geological Survey is conducting a comprehensive investigation of the hydrology and geochemistry of the San Joaquin Valley as part of the Regional Aquifer System programs of the U.S. Geological Survey, and in cooperation with the interagency San Joaquin Valley Drainage Program. A selected bibliography of reports published as part of this investigation is in Appendix I. Studies conducted as part of the investigation have required collection of extensive hydrologic and water-quality data, only some of which are included in reports listed in the bibliography.

The purpose of this report is to make available to cooperating agencies and the public a compilation of water-quality data collected as part of the San Joaquin Valley studies from March 1985 through March 1987. The data include physical measurements, major ions, trace elements, and selected organic contaminants for 11 continuing-record sites and 31 miscellaneous surface-water sites on the San Joaquin River and its tributaries, and for 285 ground-water sites. The continuing-record sites include six on the lower San Joaquin River and five on major tributaries near the mouth of the San Joaquin River (fig. 1). Samples were collected at the continuing-record sites as often as twice each month for major ions and trace elements and continuously for specific conductance and water temperature. All 11 continuing-record sites are streamgaging stations where continuous streamflow data were collected. Samples at miscellaneous surface-water sites were collected once or twice during the report period. Ground-water data were collected on various dates from wells in the western and southern San Joaquin Valley (fig. 2).

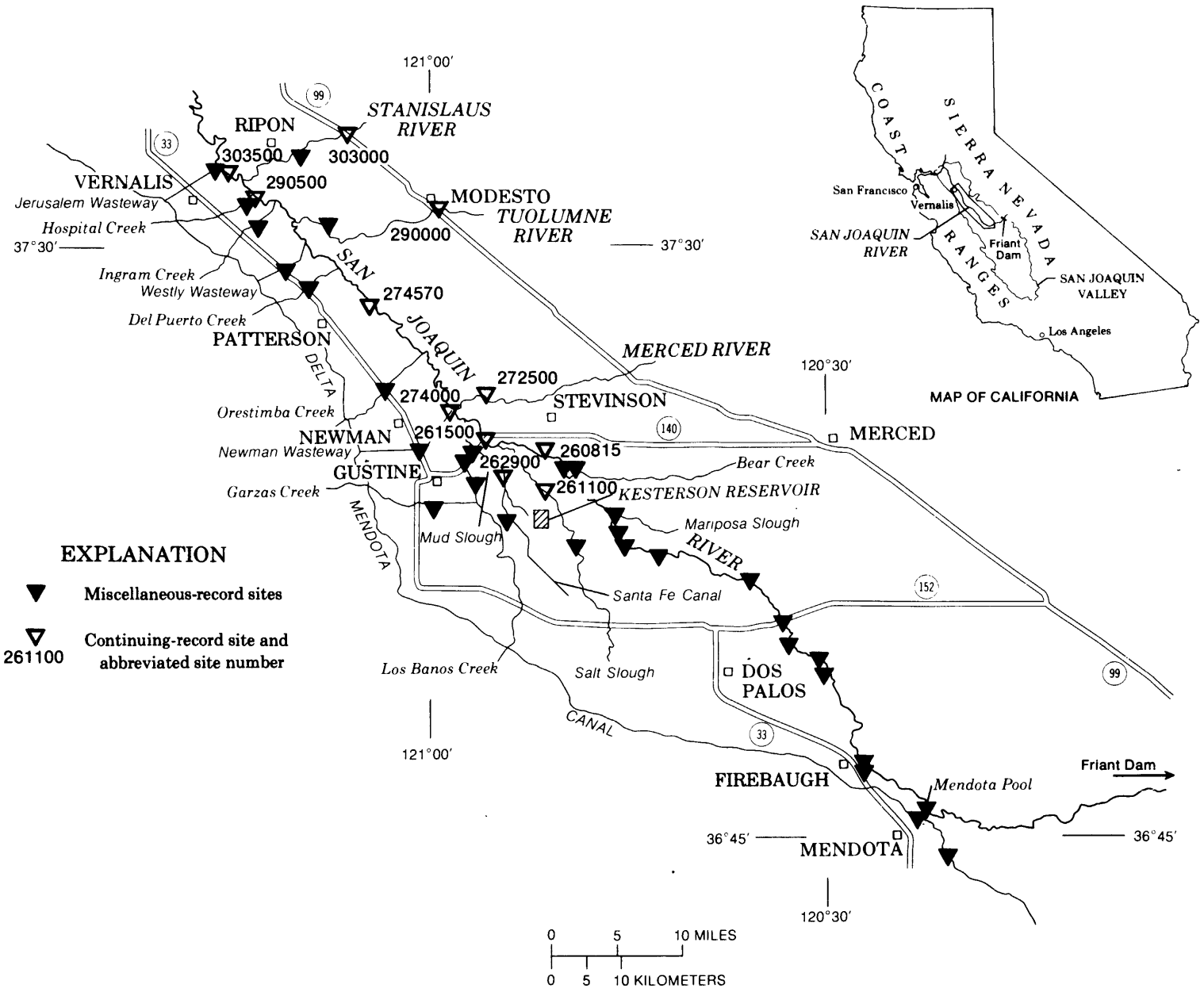
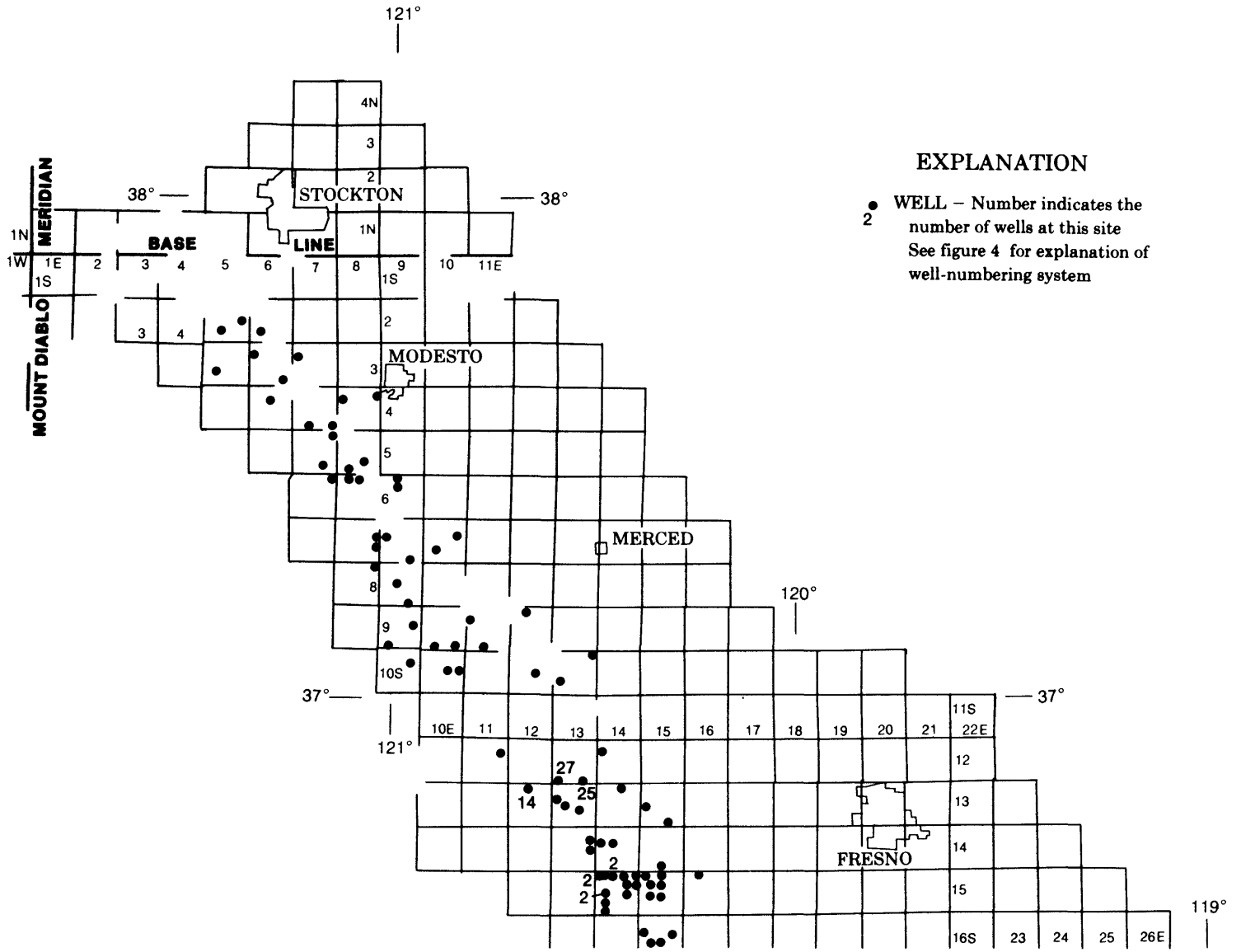


FIGURE 1.—Location of surface-water quality sites.


121°
38°
38°
STOCKTON
MODESTO
MERCED
FRESNO
120°
37°
37°
121°
119°
MOUNT DIABLO MERIDIAN
BASE LINE
EXPLANATION
WELL – Number indicates the number of wells at this site
See figure 4 for explanation of well-numbering system

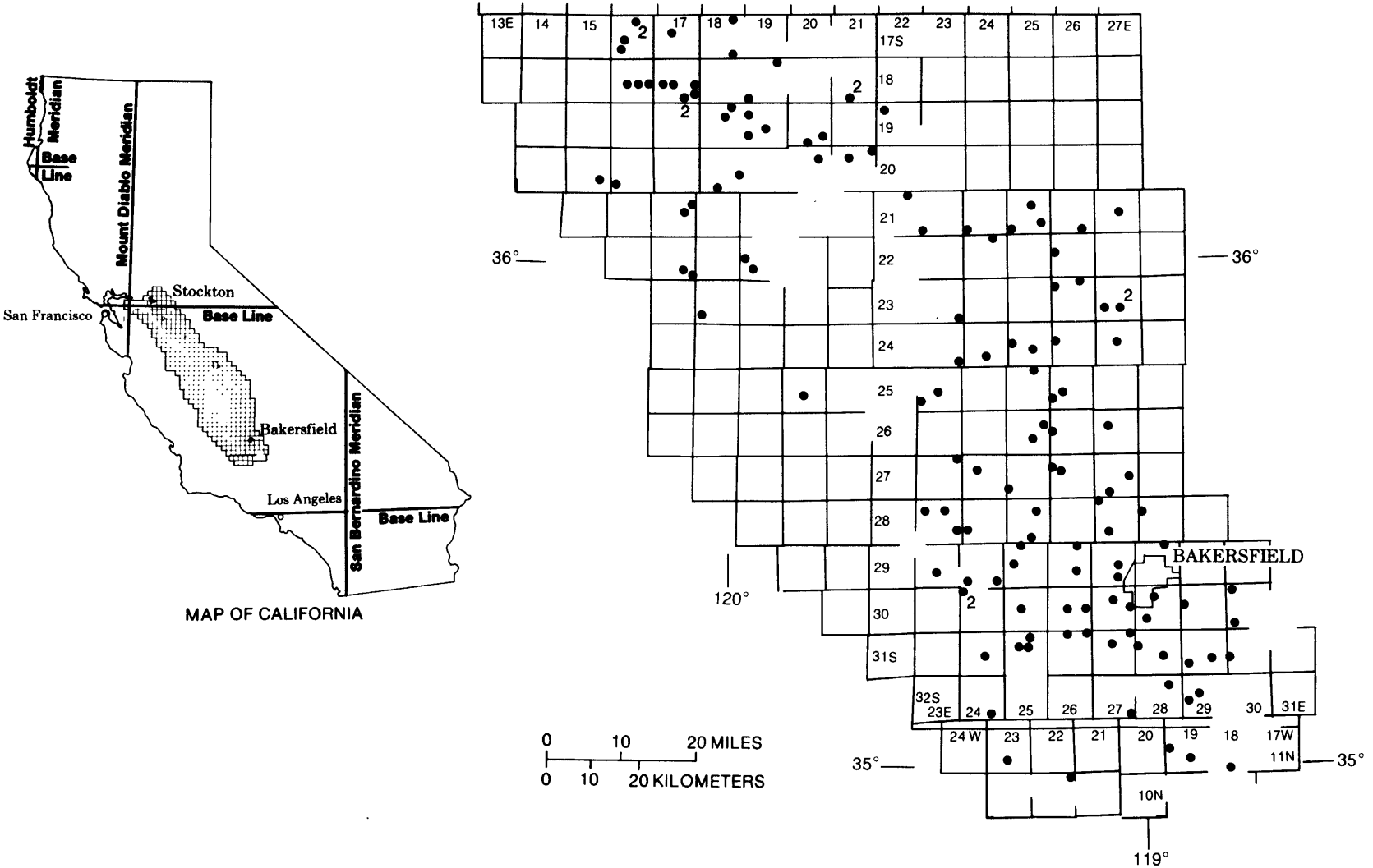


FIGURE 2.—Location of ground-water quality sites.

SITE-NUMBERING SYSTEM

Each site where data were collected, whether a stream or a well, is assigned a unique identification number. The downstream-order system is used for continuing-record surface-water sites and the latitude-longitude system is used for ground-water sites and surface-water sites where only miscellaneous measurements are made.

Surface Water

Identification numbers are assigned to continuing-record sites in a downstream direction along the main stream. All sites on a tributary entering upstream from a mainstream site are listed before that site. A station on a tributary that enters between two mainstream sites is listed between them. The complete eight-digit number for each site, such as 11274570, which appears just to the left of the name, includes the two-digit part number "11" plus the six-digit downstream order number "274570." The part number designates the major river basin; for example, part "11" is in the Pacific slope basins in California.

The identification numbers for miscellaneous surface-water sites are assigned according to the grid system of latitude and longitude. The number consists of 15 digits. The first six digits denote the degrees, minutes, and seconds of latitude, the next seven digits denote degrees, minutes, and seconds of longitude, and the last two digits (assigned sequentially) identify different sites within a 1-second grid. This site-identification number, once assigned, has no locational significance. The system for numbering miscellaneous surface-water sites is shown in figure 3.

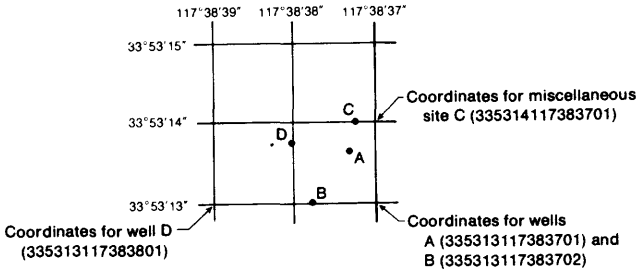


FIGURE 3.—System for numbering ground-water sites and miscellaneous surface-water sites (latitude and longitude).

Ground Water

The identification numbers used for identifying ground-water sites are assigned in the same way as the miscellaneous surface-water sites (fig. 3). Wells and springs in California also are assigned numbers according to their location on the rectangular system for the subdivision of public land. For example, in the number 004S/006E-09M01M, the part of the number preceding the slash indicates the township, north or south (T.4 S.); and the number between the slash and hyphen indicates the range, east or west (R.6 E.); the digits following the hyphen indicate the section (sec.09); the letter following the section number indicates the 40-acre subdivision of the section. Within each 40-acre tract, the wells are numbered sequentially, as indicated by the final two digits. The final letter indicates the base line and meridian. Most of the study area lies south and east of the Mount Diablo (M) base line and meridian. A small area at the southern part of the valley lies north and west of the San Bernardino (S) base line and meridian. This well-numbering system is shown in figure 4.

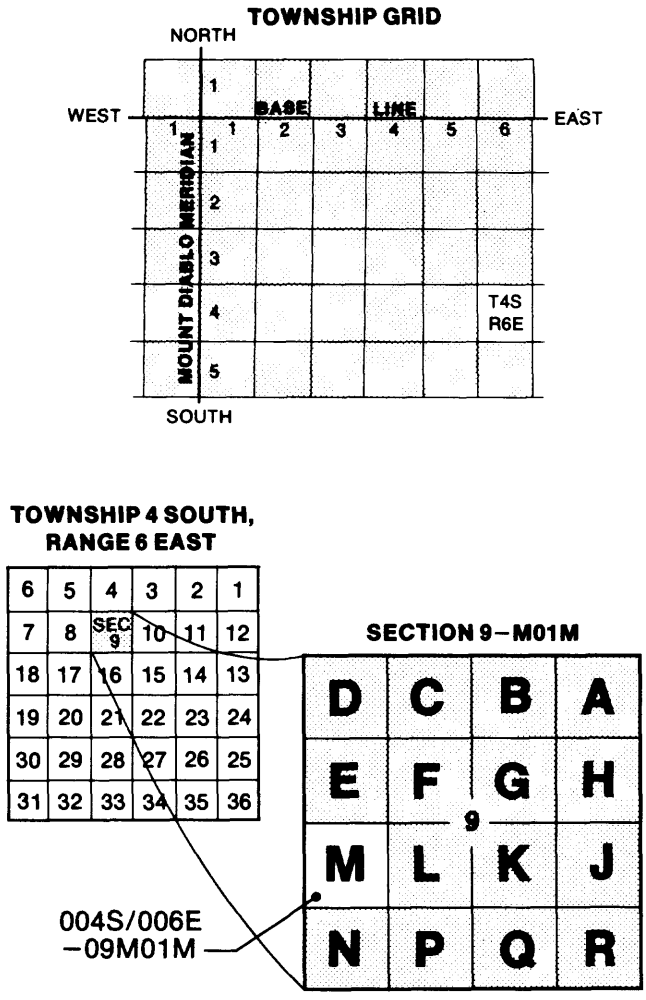


FIGURE 4.—Well-numbering system.

DATA COLLECTION

In obtaining water-quality data, care must be taken to assure that the data obtained represent the in situ quality of the water. Measurements of water temperature, specific conductance, pH, dissolved oxygen, and alkalinity are made on site when the samples are collected. To assure that measurements made in the laboratory also represent the in situ water, carefully prescribed procedures are followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory. Procedures for onsite measurements and collecting, treating, and shipping samples are given in publications on Techniques of Water-Resources Investigations (Guy and Norman, 1970; Wood, 1976). Detailed information on collecting, treating, and shipping samples may be obtained from the U.S. Geological Survey District office.

Surface Water

Records of surface-water quality in this report involve a variety of types of data and measurement frequencies. Water samples were obtained using several different types of approved U.S. Geological Survey samplers depending on the stream depth, velocities, and type of analyses desired. The concentration of solutes at different locations in the stream cross section may vary greatly with different rates of streamflow, depending on the source of material and the turbulence and mixing of the stream. Most streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load. These samples are then composited into one total sample. The composite sample is split into subsamples using the U.S. Geological Survey churn splitter. These subsamples are used for selected analyses. Samples are analyzed for water chemistry in the U.S. Geological Survey National Water Quality Laboratory in Arvada, Colorado. The laboratory uses standard U.S. Geological Survey techniques and guidelines (Skougstad and others, 1979; Fishman and Bradford, 1982; Friedman and Erdmann, 1982; Wershaw and others, 1987).

Suspended-sediment concentrations and the proportion of sediment consisting of particles less than 0.062 mm in diameter (the break between silt and sand) are determined from samples collected by using depth-integrating samplers. These samples are composited and split into subsamples for analyses as described above. This procedure maintains the continuity between suspended-sediment results and total suspended chemical concentrations. Sediment samples are analyzed in the U.S. Geological Survey sediment laboratory, Salinas, California, using standard methods (Guy, 1969; Guy and Norman, 1970).

The 11 continuing-record sites are equipped with digital monitors. Resulting data are based on hourly measurements for the day of record and consist of daily maximum, minimum, and mean values for specific conductance and water temperature. Days with only mean values listed in table 1 are estimated using streamflow, air temperature, instantaneous values, or data from nearby sites. Daily specific conductance and water-temperature values are not available for the San Joaquin River near Newman. Cross-section profiles of water temperature, pH, specific conductance, and dissolved oxygen are done at all continuing-record sites during various seasons and streamflows. Documentation of variation of water quality in a stream cross section is essential in order to determine how many samples in a cross section are necessary to ensure a representative composite sample. This information is available on request.

Streamflow data, when available, are listed in the water-quality tables. Instantaneous streamflow may be a measured streamflow or a rated streamflow. Measurements of streamflow are described in U.S. Geological Survey publications on Techniques of Water-Resources Investigations and Water-Supply Papers (Carter and Davidian, 1968; Buchanan and Somers, 1968 and 1969; Rantz, 1982; Kennedy, 1983).

Ground Water

Samples of ground water were collected from wells, which were drilled or jetted into select water-bearing formations. The primary uses of existing production wells that were sampled are irrigation and domestic. Irrigation and domestic wells have permanently installed pumps and generally were screened in the highest yielding water-bearing formation available. For specific research, observation wells also were installed in some places. To sample observation wells, submersible, bladder, and peristaltic pumps were used to bring the ground water to the surface, and the water was pumped through atmosphere free flow-through-chambers to prevent aeration and oxidation as onsite physical measurements were made. For both existing production and observation wells, several casing volumes were removed before samples were collected; this ensures that aquifer water was collected during sampling (Keys and MacCary, 1971; Stallman, 1971; Zohdy and others, 1974; Wood, 1976; Reed, 1980). Changes in physical measurements are monitored throughout the sampling procedure.

DATA PRESENTATION

Chemical-quality data published in this report represent water-quality conditions at the time of sampling. If errors in published water-quality records are discovered after publication, appropriate updates are made to the Water-Quality File in the U.S. Geological Survey's computerized data system, DIS, WATSTORE, and subsequently by monthly transfer of update transactions to the U.S. Environmental Protection Agency's STORET system. Because the usual volume of updates makes it impractical to document individual changes, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from the appropriate computer file to ensure the most recent updates. For a definition of terms used in this report, see Hunter and others (1988).

On some tables, the less than symbol (<) appears before the value. This is the detection limit for the analytical method used for that constituent. Some dissolved values are reported as greater than the total values. This sometimes results from inherent variability in analytical determinations.

Data for the 11 continuing-record sites on the San Joaquin River and its tributaries is presented in table 1. Information pertinent to the history of station operation is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, drainage area, period of record, type of data available, instrumentation, general remarks, cooperating agencies, and extremes of daily values for specific conductance and water temperature. Data obtained at a frequency less than daily are presented first. Daily values of specific conductance and water temperature then follow in sequence. Daily mean streamflows are available in Hunter and others (1987, 1988). These streamflows are published for Salt Slough at State Highway 165, near Stevinson; San Joaquin River at Fremont Ford Bridge; Mud Slough near Gustine; Merced River near Stevinson; San Joaquin River near Newman; Tuolumne River at Modesto; Stanislaus River at Ripon; and San Joaquin River near Vernalis. For streamflow records from other sites, contact the cooperating agencies listed in the table headings.

Specific conductance was measured at all continuing-record sites each time water-quality samples were collected, and was recorded hourly at most of these sites. Specific conductance is a measure of the ability of the water to carry an electric current and is an indication of the ionic strength of the solution. The ionic strength can be used for approximating the dissolved-solids concentration in water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance, in microsiemens.

Specific conductance and dissolved-solids concentration generally are inversely related to streamflow. Specific conductance and streamflow at selected sites is shown in figure 5. A comparison of monthly mean streamflows

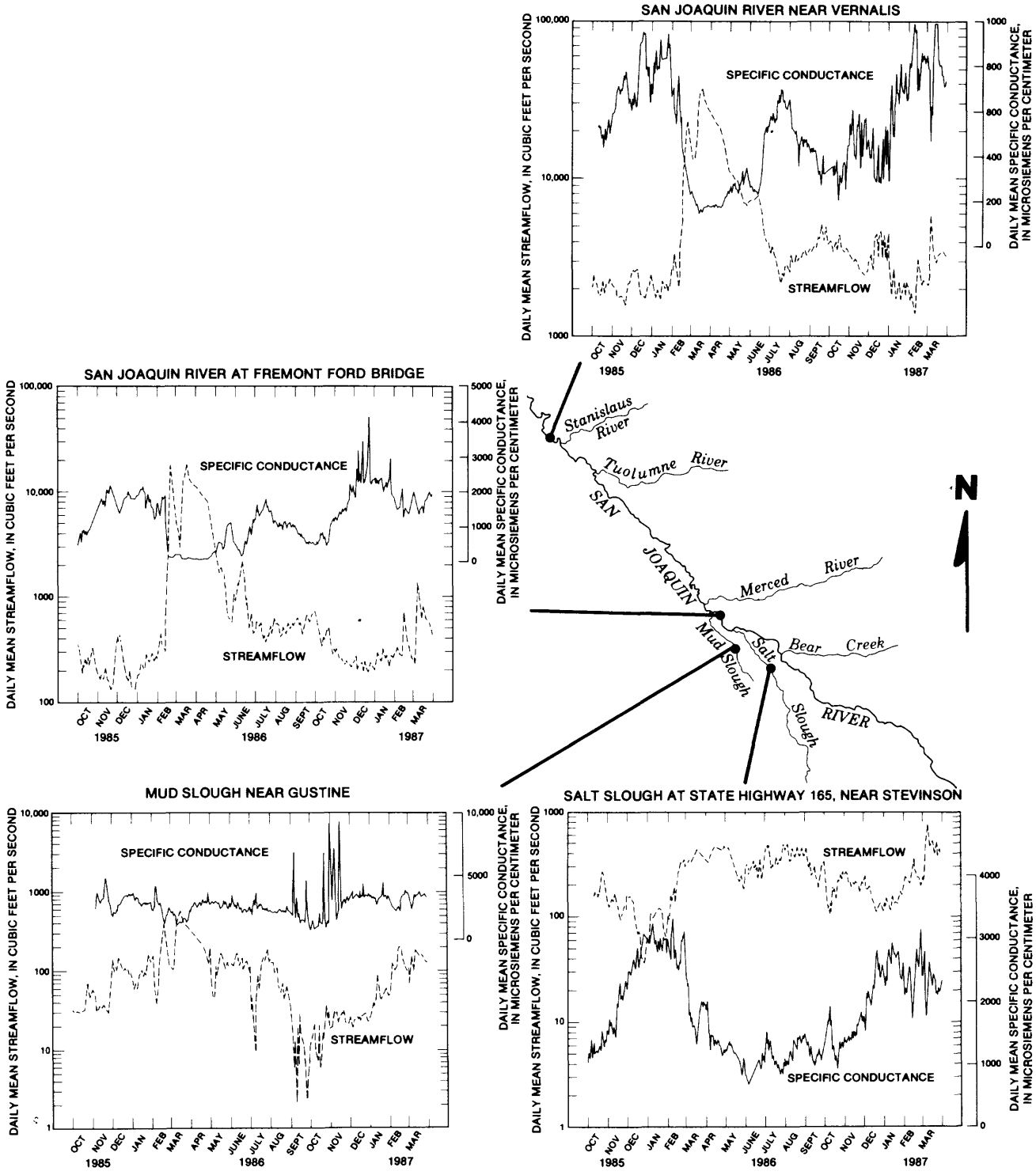


FIGURE 5.—Daily mean specific conductance and daily mean streamflow at selected continuing-record sites.

during the study period to historical streamflows in the San Joaquin River near Vernalis is shown in figure 6.

Water-quality records for ground-water sites and miscellaneous surface-water sites on the San Joaquin River and its tributaries are in tables 2 and 3. Descriptive statements are not given for these records and each site is published with its own site number and name in the regular downstream order or latitude-longitude sequence. The well number is also included with each ground-water site.

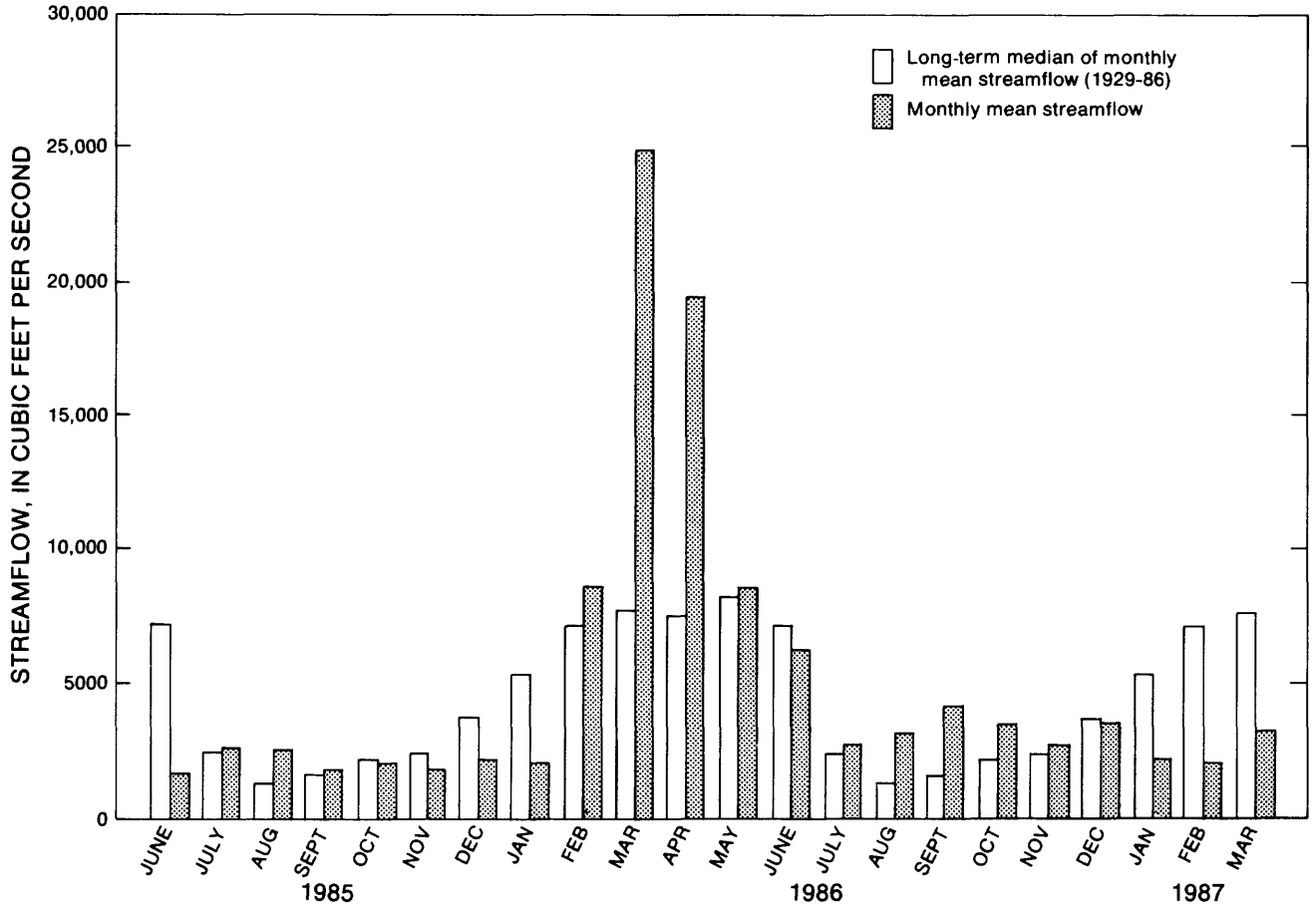


FIGURE 6.—Comparison of monthly mean streamflow to long-term medians (58 years) of monthly mean streamflow for the San Joaquin River near Vernalis.

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APPENDIX I

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TABLE 1.--WATER-QUALITY RECORDS AT CONTINUING-RECORD SITES
SAN JOAQUIN RIVER BASIN
11260815 SAN JOAQUIN RIVER NEAR STEVINSON, CA

LOCATION.--Lat 37°14'52", long 120°51'00", in NE 1/4 SE 1/4 sec. 27, T.7 S., R.10 E., Merced County, Hydrologic Unit 18040001, on left bank at bridge on State Highway 165, and 2.0 mi south of Stevinson.
DRAINAGE AREA.--7,388 mi^2, approximately.
PERIOD OF RECORD.--June 1985 to March 1987.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1985 to March 1987.
WATER TEMPERATURE: October 1985 to March 1987.
INSTRUMENTATION.--Minimonitor recorder since October 1985.
COOPERATION.--Water discharge provided by California Department of Water Resources.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 892 microsiemens, Nov. 10, 1985; minimum daily, 48 microsiemens, Apr. 5, 10, 1986.
WATER TEMPERATURE: Maximum mean, 28.0°C, Aug. 4-6, 1986; minimum mean, 4.0°C, Dec. 25-28, 1985.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L AS CACO3)	CALCIUM, DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
JUN 1985												
24...	1430	10	1250	8.1	27.5	756	7.1	200	7	47	21	150
JUL												
18...	1345	10	1430	8.4	29.5	757	8.8	200	0	44	23	230
AUG												
01...	1050	19	1150	9.0	26.0	761	11.8	230	29	48	26	150
14...	1100	43	747	8.6	24.5	761	8.0	150	10	33	17	93
28...	1030	58	653	8.1	23.5	763	6.4	140	0	32	15	76
SEP												
12...	1415	149	253	7.9	21.0	765	8.0	66	0	16	6.3	21
26...	1200	248	193	7.8	23.5	760	7.8	49	0	12	4.6	14
OCT												
10...	0900	61	260	7.9	16.0	760	8.2	73	0	18	6.7	29
24...	0815	20	416	7.9	15.0	765	9.2	92	0	23	8.5	52
NOV												
07...	1015	5.7	859	8.5	17.0	765	10.6	120	0	30	9.8	140
19...	1030	20	721	8.3	10.0	769	10.8	150	0	35	14	100
DEC												
05...	1300	268	427	7.9	13.5	765	9.6	110	0	24	12	39
19...	1145	66	695	7.9	6.0	769	11.4	150	0	34	16	83
JAN 1986												
09...	0750	107	720	7.9	9.0	766	8.8	170	25	36	19	100
24...	0945	156	813	8.0	11.0	768	10.4	180	60	41	20	97
FEB												
06...	0945	263	456	8.0	11.0	763	10.2	130	16	28	15	50
21...	0945	16000	141	7.4	12.0	770	8.4	38	0	9.9	3.3	12
26...	1600	8900	105	7.5	20.5	760	6.2	34	0	8.9	2.9	9.5
MAR												
05...	0930	5000	112	7.3	16.0	765	9.5	30	0	8.0	2.4	8.2
19...	1045	15900	91	7.5	12.5	769	10.4	34	0	8.6	3.0	7.0
APR												
02...	0945	11400	60	7.5	14.5	764	9.5	22	0	6.1	1.7	4.9
16...	0800	8000	58	7.2	14.5	764	9.9	20	0	5.7	1.4	4.5
MAY												
07...	1315	1190	186	7.8	16.0	762	9.3	51	0	13	4.5	17
22...	0745	284	317	8.1	19.5	763	8.5	80	0	20	7.4	32
JUN												
04...	0930	726	221	7.8	22.5	760	7.7	53	7	13	5.0	18
18...	1130	572	209	8.0	23.0	765	8.5	51	0	14	4.0	17
JUL												
16...	0900	41	655	7.9	26.0	760	4.4	130	2	32	13	86
AUG												
27...	0900	103	290	8.1	23.5	760	8.6	74	0	18	7.0	35
SEP												
25...	0900	413	145	7.4	17.0	760	8.3	46	0	11	4.5	11
OCT												
23...	0800	210	158	7.4	16.0	760	8.5	46	0	11	4.5	16
NOV												
19...	1230	9.0	845	8.1	14.0	760	15.2	150	0	37	15	130
DEC												
15...	1300	81	802	8.0	8.5	760	10.6	180	0	41	18	90
JAN 1987												
21...	1245	100	674	8.3	6.0	770	13.6	160	34	37	17	77
FEB												
18...	1330	168	401	8.0	13.0	765	9.6	120	5	27	13	38
MAR												
24...	1230	102	853	8.2	15.0	760	10.5	220	53	51	23	92

TABLE 1.--Continued

11260815 SAN JOAQUIN RIVER NEAR STEVINSON, CA--Continued

WATER QUALITY DATA

DATE	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, CARBONATE IT-FLD (MG/L AS CAC03)	SULFATE, DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3, DISSOLVED (MG/L AS N)
JUN 1985												
24...	61	5	4.4	197	70	190	0.4	19	617	0.84	17	0.10
JULY												
18...	70	7	4.6	226	110	250	0.6	12	799	1.1	22	0.11
AUG												
01...	58	4	4.5	198	100	210	0.4	17	652	0.89	33	<0.10
14...	56	3	3.3	142	61	120	0.3	18	419	0.57	48	<0.10
28...	53	3	2.9	148	43	89	0.2	22	365	0.50	57	<0.10
SEP												
12...	40	1	2.2	85	14	18	0.1	18	148	0.20	60	0.52
26...	37	0.9	2.9	64	7.0	7.7	0.1	15	103	0.14	69	0.21
OCT												
10...	46	2	1.9	97	15	27	0.2	19	167	0.23	27	0.55
24...	54	2	3.4	146	18	39	0.2	17	254	0.35	14	0.32
NOV												
07...	72	6	3.2	232	38	140	0.4	19	492	0.67	7.6	<0.10
19...	60	4	1.5	204	41	95	0.3	19	414	0.56	22	0.30
DEC												
05...	42	2	5.4	113	29	39	0.1	19	232	0.32	168	1.1
19...	54	3	4.5	156	61	93	0.2	18	386	0.52	69	0.68
JAN 1986												
09...	55	3	5.2	143	81	98	0.2	10	400	0.54	116	0.39
24...	53	3	4.3	125	110	110	0.2	13	453	0.62	191	1.0
FEB												
06...	44	2	3.7	116	47	53	0.1	16	286	0.39	203	0.67
21...	39	0.9	2.1	40	14	10	<0.1	14	81	0.11	3500	0.26
26...	36	0.7	2.3	39	9.5	7.3	<0.1	14	70	0.09	1680	0.18
MAR												
05...	36	0.7	1.7	31	10	7.5	<0.1	12	68	0.09	918	0.13
19...	29	0.5	2.1	38	9.8	3.6	<0.1	14	71	0.10	3050	0.17
APR												
02...	31	0.5	1.2	26	5.8	3.8	<0.1	11	57	0.08	1750	<0.10
16...	31	0.5	1.2	25	5.1	3.0	<0.1	11	43	0.06	929	<0.10
MAY												
07...	41	1	1.8	51	18	16	<0.1	13	108	0.15	347	0.10
22...	45	2	2.5	82	31	30	0.2	15	186	0.25	143	0.17
JUN												
04...	42	1	1.6	46	17	20	0.1	12	125	0.17	245	0.11
18...	41	1	1.7	52	24	15	<0.1	12	105	0.14	162	<0.10
JUL												
16...	58	3	2.8	131	56	--	0.2	15	383	--	--	<0.10
AUG												
27...	50	2	2.3	93	19	23	0.1	10	187	0.25	52	0.46
SEP												
25...	33	0.7	2.2	54	--	--	<0.1	12	100	--	--	0.26
OCT												
23...	42	1	1.8	51	13	14	<0.1	11	126	0.17	71	0.14
NOV												
19...	64	5	3.9	205	59	130	0.3	15	498	0.68	12	0.15
DEC												
15...	52	3	3.7	184	62	100	0.2	15	453	0.62	100	0.20
JAN 1987												
21...	50	3	3.4	128	91	79	0.2	17	401	0.55	108	0.66
FEB												
18...	39	2	4.8	116	18	40	0.2	18	245	0.33	111	0.95
MAR												
24...	47	3	4.2	169	83	130	0.3	24	495	0.67	136	2.0

TABLE 1.--Continued

11260815 SAN JOAQUIN RIVER NEAR STEVINSON, CA--Continued

WATER QUALITY DATA

DATE	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	NITROGEN, AMMONIA + ORGANIC, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP., SIEVE DIAM. % FINER THAN 0.062 MM	CHLOR-A PHYTOPLANKTON, CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON, CHROMO FLUOROM (UG/L)	CARBON, ORGANIC, TOTAL (MG/L AS C)
JUN 1985												
24...	0.04	0.05	1.4	0.57	0.46	0.44	44	1.2	--	--	--	--
18...	0.11	0.14	1.1	0.31	0.33	0.20	70	1.9	--	--	--	--
AUG												
01...	0.04	0.05	2.6	0.43	0.19	0.13	52	2.7	--	--	--	--
14...	0.05	0.06	1.6	0.30	0.11	0.08	44	5.1	--	--	--	--
28...	0.06	0.08	1.3	0.26	0.17	0.12	38	6.0	96	--	--	--
SEP												
12...	0.09	0.12	0.80	0.22	0.14	0.13	52	21	98	--	--	--
26...	0.09	0.12	0.30	0.26	0.26	0.22	74	50	70	14	1.9	--
OCT												
10...	0.12	0.15	0.60	0.25	0.18	0.15	35	5.7	98	7.7	1.1	--
24...	0.06	0.08	1.1	0.32	0.20	0.19	48	2.6	68	10	2.7	--
NOV												
07...	0.01	0.01	1.0	0.29	0.18	0.15	29	0.45	71	22	4.7	--
19...	0.02	0.03	0.90	0.28	0.20	0.18	22	1.2	71	15	3.5	--
DEC												
05...	0.43	0.55	1.5	0.43	0.31	0.31	56	41	99	1.4	0.20	--
19...	0.47	0.61	1.5	0.43	0.38	0.34	25	4.5	98	9.2	0.70	5.6
JAN 1986												
09...	0.29	0.37	1.2	0.39	0.26	0.24	57	16	98	--	--	7.4
24...	0.30	0.39	1.1	0.33	0.25	0.23	43	18	99	6.3	0.50	5.2
FEB												
06...	0.19	0.24	1.2	0.31	0.22	0.20	61	43	98	13	1.1	11
21...	0.06	0.08	0.90	0.16	0.10	0.08	117	5050	91	3.4	0.60	8.6
26...	0.10	0.13	0.70	0.21	0.11	0.10	67	1610	91	--	--	10
MAR												
05...	0.05	0.06	0.60	0.17	0.08	0.06	76	1030	91	9.6	0.20	6.6
19...	0.03	0.04	0.60	0.17	0.08	0.08	82	3520	88	3.6	0.50	6.0
APR												
02...	0.02	0.03	0.50	0.08	0.04	0.04	54	1660	89	--	--	5.0
16...	0.03	0.04	0.20	0.07	0.04	0.03	43	929	91	1.6	0.20	4.1
MAY												
07...	0.02	0.03	0.70	0.20	0.10	0.10	93	299	72	9.0	0.80	6.4
22...	0.02	0.03	0.70	0.34	0.22	0.20	59	45	98	10	1.6	6.4
JUN												
04...	0.03	0.04	0.50	0.19	0.08	0.08	89	174	97	8.2	1.0	5.1
18...	<0.01	--	0.80	0.17	0.08	0.06	--	--	--	14	1.3	5.0
JUL												
16...	0.04	0.05	1.0	0.24	0.14	0.12	42	4.7	94	17	3.8	8.0
AUG												
27...	0.02	0.03	0.90	0.25	0.15	0.11	48	13	96	--	--	8.6
SEP												
25...	0.06	0.08	0.80	0.25	0.15	0.13	71	79	84	3.5	0.30	6.6
OCT												
23...	0.01	0.01	1.4	0.04	0.06	0.05	63	36	90	3.8	0.40	5.0
NOV												
19...	0.29	0.37	1.9	0.53	0.35	0.31	--	--	--	61	8.6	7.8
DEC												
15...	0.05	0.06	1.2	0.18	0.13	0.12	27	5.9	95	27	2.5	5.5
JAN 1987												
21...	0.40	0.52	1.8	0.33	0.27	0.26	26	7.0	85	13	0.90	6.4
FEB												
18...	0.31	0.40	5.0	0.48	0.30	0.30	103	47	88	5.5	0.80	9.5
MAR												
24...	0.35	0.45	2.0	0.58	0.44	0.39	36	9.9	93	54	9.4	9.7

TABLE 1.--Continued

11260815 SAN JOAQUIN RIVER NEAR STEVINSON, CA--Continued

WATER QUALITY DATA

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC, TOTAL (UG/L AS AS)	ARSENIC, DISSOLVED (UG/L AS AS)	BORON, TOTAL RECOVERABLE (UG/L AS B)	BORON, DISSOLVED (UG/L AS B)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)
JUN 1985											
24...	520	20	11	10	200	170	29	4	2	720	15
JULY											
18...	380	20	13	11	350	300	<1	4	2	530	8
AUG											
01...	430	20	10	7	250	220	22	3	2	580	17
14...	470	20	8	7	160	140	5	5	2	640	12
28...	620	20	6	5	110	100	<1	5	1	900	22
SEP											
12...	1500	100	--	3	40	30	16	8	3	2200	88
26...	1800	170	3	2	30	20	12	5	3	2500	--
OCT											
10...	960	50	3	3	50	40	9	6	2	1300	59
24...	1100	30	4	4	60	70	12	4	1	1500	33
NOV											
07...	540	<10	8	7	140	140	6	6	3	800	9
19...	510	<10	7	6	140	90	9	5	3	390	17
DEC											
05...	1800	60	3	3	100	90	16	8	3	2500	93
19...	700	10	4	4	190	170	8	4	<1	900	22
JAN 1986											
09...	1500	<10	4	3	300	290	20	6	1	2200	32
24...	1100	<10	3	3	350	330	14	5	1	1600	<3
FEB											
06...	2000	20	3	3	170	140	8	6	2	2600	48
21...	4200	710	2	1	30	50	17	7	3	5100	230
26...	2800	290	3	2	30	40	11	6	2	3300	200
MAR											
05...	2800	180	2	2	50	20	12	4	1	2700	110
19...	2400	200	2	1	20	10	14	6	1	3300	150
APR											
02...	1700	100	2	1	30	10	8	5	1	2100	76
16...	990	50	2	1	10	20	9	5	2	1500	77
MAY											
07...	1800	20	3	2	40	30	11	6	2	2500	28
22...	1900	30	4	4	100	60	12	6	3	2500	37
JUN											
04...	2200	30	3	--	40	30	9	7	4	3100	35
18...	2900	40	3	--	100	90	20	16	4	4100	51
JUL											
16...	980	20	8	8	200	210	6	5	4	1200	19
AUG											
27...	980	30	4	4	50	40	2	9	3	1600	40
SEP											
25...	1600	50	2	2	30	30	4	5	1	2300	79
OCT											
23...	2100	50	2	2	10	40	--	15	2	5100	61
NOV											
19...	3800	<10	7	6	190	180	1	19	2	9200	9
DEC											
15...	680	<10	4	3	160	150	<1	5	<1	960	14
JAN 1987											
21...	640	20	3	3	290	280	<1	4	3	900	9
FEB											
18...	3100	10	5	3	100	80	5	14	3	7700	40
MAR											
24...	690	<10	5	4	140	140	3	8	2	920	17

TABLE 1.--Continued

11260815 SAN JOAQUIN RIVER NEAR STEVINSON, CA--Continued

WATER QUALITY DATA

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
JUN 1985											
24...	2	400	32	19	16	8	<2	<1	<1	30	7
JULY											
18...	2	480	8	24	24	6	5	<1	<1	30	4
AUG											
01...	3	360	8	12	11	3	2	<1	<1	20	10
14...	1	280	4	4	7	8	2	<1	<1	60	<3
28...	<1	230	66	4	4	5	2	<1	<1	<10	7
SEP											
12...	10	90	8	2	<1	--	1	<1	<1	10	10
26...	9	90	12	2	<1	8	7	<1	<1	20	5
OCT											
10...	<1	80	15	4	1	<1	1	<1	<1	<10	5
24...	2	140	11	7	5	14	3	<1	<1	20	<3
NOV											
07...	<1	200	3	12	14	6	<1	<1	<1	<10	4
19...	<1	150	11	5	8	5	3	<1	--	20	11
DEC											
05...	<1	100	12	1	1	4	2	<1	<1	20	9
19...	<1	80	36	3	2	6	2	<1	<1	10	10
JAN 1986											
09...	2	140	33	2	3	10	2	2	2	10	7
24...	<1	100	23	3	4	5	1	3	2	<10	<3
FEB											
06...	<1	100	13	1	5	4	2	<1	<1	30	8
21...	10	110	18	<5	<5	12	<1	<1	<1	40	13
26...	<1	80	13	<1	1	<1	4	<1	<1	30	22
MAR											
05...	2	80	13	<1	<5	40	2	<1	<1	10	8
19...	1	90	8	<1	<1	6	1	1	1	40	<3
APR											
02...	3	60	10	2	2	<1	1	<1	<1	20	<3
16...	5	50	10	2	8	2	<1	<1	<1	20	4
MAY											
07...	3	170	85	<1	<2	1	2	<1	<1	10	<3
22...	<1	220	57	4	<1	--	4	<1	<1	20	3
JUN											
04...	1	130	8	2	3	17	4	<1	<1	10	<3
18...	<5	140	9	1	1	12	5	1	1	20	4
JUL											
16...	<5	410	200	7	6	7	2	1	1	10	4
AUG											
27...	<5	100	<10	3	7	12	2	<1	<1	30	10
SEP											
25...	<5	60	4	7	2	3	2	<1	<1	<10	10
OCT											
23...	<5	80	4	25	4	8	<1	<1	<1	150	<3
NOV											
19...	<5	470	200	13	13	9	3	<1	<1	20	10
DEC											
15...	<5	190	22	9	8	<1	<1	<1	<1	<10	<3
JAN 1987											
21...	<5	150	89	7	1	3	4	2	2	<10	8
FEB											
18...	7	130	20	3	1	8	3	<1	1	<10	<10
MAR											
24...	<5	180	77	4	6	7	4	<1	<1	30	10

TABLE 1.--Continued

SAN JOAQUIN RIVER BASIN

11260815 SAN JOAQUIN RIVER NEAR STEVINSON, CA--Continued

WATER QUALITY DATA

DATE	TIME	DI-CHLORO-BROMO-METHANE, TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE, TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE, TOTAL (UG/L)	BROMO-FORM, TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE, TOTAL (UG/L)	CHLORO-FORM, TOTAL (UG/L)	TOLUENE, TOTAL (UG/L)	BENZENE, TOTAL (UG/L)	CHLORO-BENZENE, TOTAL (UG/L)	CHLORO-ETHANE, TOTAL (UG/L)
SEP 1985 26...	1200	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

DATE	ETHYL-BENZENE, TOTAL (UG/L)	METHYL-BROMIDE, TOTAL (UG/L)	METHYL-ENE CHLO-RIDE, TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE, TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE, TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE, TOTAL (UG/L)	1,1-DI-CHLORO-ETHYL-ENE, TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE, TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE, TOTAL (UG/L)	1,1,2,2 TETRA-CHLORO-ETHANE, TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE, TOTAL (UG/L)
SEP 1985 26...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

DATE	1,2-TRANSDI CHLORO-ETHYL-ENE, TOTAL (UG/L)	1,3-DI-CHLORO-PROPANE, TOTAL (UG/L)	2-CHLORO-ETHYL-VINYL-ETHER, TOTAL (UG/L)	DI-CHLORO-DI-FLUORO-METHANE, TOTAL (UG/L)	PRO-PAZINE, TOTAL (UG/L)	METHO-MYL, TOTAL (UG/L)	PROPHAM, TOTAL (UG/L)	SIME-TRYNE, TOTAL (UG/L)	SIMA-ZINE, TOTAL (UG/L)	PROME-TONE, TOTAL (UG/L)
SEP 1985 26...	<3.0	<3.0	<3.0	<3.0	<0.10	<2.0	<2.0	<0.1	<0.10	<0.1

DATE	PROME-TRYNE, TOTAL (UG/L)	VINYL CHLO-RIDE, TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	ATRA-ZINE, TOTAL (UG/L)	PICLO-RAM (TOR-DON) (AMDON), TOTAL (UG/L)
SEP 1985 26...	<0.1	<3.0	<3.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.10	<0.01

DATE	2,4-D, TOTAL (UG/L)	2,4,5-T, TOTAL (UG/L)	SEVIN, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	CYAN-AZINE, TOTAL (UG/L)	DICAMBA (MED-IBEN) (BAN-VEL D), TOTAL (UG/L)	2,4-DP, TOTAL (UG/L)	AME-TRYNE, TOTAL (UG/L)
SEP 1985 26...	<0.01	<0.01	<2.0	<0.01	<0.01	<0.01	<0.10	<0.01	<0.01	<0.10

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	LINDANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT 1985 10...	0900	260	7.9	16.0	760	8.2	<1.0	<0.1	<0.1	1.0	0.3	1.2

DATE	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE, TOT. IN BOTTOM MATL. (UG/KG)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT 1985 10...	<0.1	<0.1	<0.1	<0.1	<10	<0.1	<0.1	<0.1	<1	<0.1	<1.0

TABLE 1.--Continued

11260815 SAN JOAQUIN RIVER NEAR STEVINSON, CA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C)

	OCTOBER 1985			NOVEMBER 1985			DECEMBER 1985			JANUARY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	665	635	651	509	359	406	823	799	814
2	---	---	---	659	629	647	412	383	398	799	788	795
3	---	---	---	677	650	665	441	413	429	803	789	796
4	---	---	---	700	670	680	441	380	421	813	808	812
5	---	---	---	767	696	732	393	350	367	813	791	800
6	---	---	---	791	767	780	421	391	411	792	762	780
7	---	---	---	810	788	795	413	403	410	770	719	746
8	---	---	---	828	794	810	423	402	413	713	700	705
9	---	---	---	860	826	846	458	423	440	699	672	680
10	---	---	---	892	858	877	473	458	466	682	671	679
11	---	---	---	891	879	887	543	479	508	673	663	669
12	---	---	---	884	722	803	563	541	556	668	632	645
13	---	---	---	790	741	775	572	561	567	641	600	623
14	---	---	---	791	687	764	571	560	563	623	593	603
15	---	---	---	677	590	650	581	562	569	693	622	655
16	210	170	190	576	547	558	601	578	586	722	690	708
17	192	148	160	571	542	557	613	598	605	722	709	717
18	224	198	210	648	569	616	622	610	613	712	680	694
19	244	206	223	685	648	669	643	619	628	723	681	700
20	282	244	264	708	685	697	650	610	627	763	728	748
21	306	280	296	705	690	696	659	621	638	772	710	745
22	325	306	317	785	681	700	673	649	666	718	702	710
23	366	319	349	702	685	694	683	672	677	733	700	710
24	422	370	402	729	703	719	690	680	683	733	683	720
25	468	420	447	707	623	665	728	690	703	683	623	647
26	500	463	484	671	496	609	780	732	757	623	613	620
27	501	480	492	633	359	433	791	779	784	623	608	617
28	536	482	508	882	661	770	803	788	798	612	600	607
29	593	523	552	741	561	612	811	800	804	630	600	614
30	615	575	598	561	521	539	819	802	812	643	631	640
31	658	608	641	---	---	---	829	818	822	641	630	636
MONTH	---	---	---	892	359	697	829	350	585	823	593	698

	FEBRUARY 1986			MARCH 1986			APRIL 1986			MAY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	633	600	621	129	110	121	83	80	81	93	82	90
2	603	580	597	113	102	110	83	63	72	103	90	95
3	579	520	535	111	101	106	68	59	63	113	81	102
4	543	449	497	113	103	111	59	53	57	121	100	112
5	463	400	428	113	110	111	61	48	58	143	120	131
6	462	432	445	113	102	108	73	62	71	162	141	152
7	490	460	479	103	92	98	73	60	69	181	145	171
8	512	480	493	103	90	98	71	60	64	163	124	144
9	532	512	518	110	88	96	69	60	64	124	107	116
10	553	530	541	98	90	93	59	48	54	128	116	119
11	560	548	554	93	90	91	69	60	63	126	110	119
12	582	553	569	113	90	95	72	62	65	123	111	118
13	603	541	590	103	92	97	73	61	66	125	112	121
14	521	279	338	103	100	101	63	60	62	142	124	130
15	268	220	233	102	100	101	63	60	62	176	144	155
16	223	198	210	101	89	99	70	60	64	238	178	207
17	192	123	155	103	100	102	73	62	71	300	238	267
18	261	120	169	113	100	106	72	61	69	321	299	312
19	248	122	148	118	111	112	70	63	67	313	293	305
20	173	149	162	120	108	112	73	68	70	300	292	295
21	183	170	175	119	108	115	72	63	69	315	303	310
22	139	130	134	113	100	109	73	63	69	318	306	315
23	133	128	131	112	93	104	72	61	66	337	317	327
24	123	120	122	100	89	94	70	60	64	346	236	267
25	130	120	123	98	90	92	80	69	71	346	237	285
26	133	128	131	93	80	89	73	63	68	350	236	332
27	133	130	131	93	82	90	78	69	72	337	247	295
28	129	120	122	91	80	88	73	63	70	277	67	174
29	---	---	---	92	81	85	99	63	86	161	148	156
30	---	---	---	89	73	80	98	80	89	181	159	172
31	---	---	---	83	80	81	---	---	---	182	169	175
MONTH	633	120	334	129	73	100	99	48	68	350	67	196

TABLE 1.--Continued

11260815 SAN JOAQUIN RIVER NEAR STEVINSON, CA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C)

	JUNE 1986			JULY 1986			AUGUST 1986			SEPTEMBER 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	182	169	174	---	---	390	---	---	340	---	---	270
2	190	167	173	---	---	400	---	---	330	---	---	260
3	233	193	220	---	---	420	---	---	320	---	---	250
4	230	200	215	---	---	500	---	---	310	---	---	240
5	197	169	182	---	---	490	---	---	290	---	---	230
6	187	168	179	---	---	510	---	---	290	---	---	220
7	179	147	166	---	---	500	---	---	300	---	---	220
8	140	---	135	---	---	520	---	---	310	---	---	210
9	119	106	109	---	---	540	---	---	300	---	---	200
10	123	98	108	---	---	560	---	---	310	---	---	220
11	187	125	165	---	---	580	---	---	300	---	---	220
12	183	106	130	---	---	600	---	---	290	---	---	200
13	124	103	113	---	---	620	---	---	280	---	---	190
14	145	122	134	---	---	640	---	---	280	---	---	185
15	204	150	178	---	---	650	---	---	275	---	---	180
16	232	209	222	---	---	655	---	---	280	---	---	170
17	234	171	204	---	---	650	---	---	275	---	---	160
18	290	162	222	---	---	640	---	---	270	---	---	160
19	299	280	287	---	---	620	---	---	260	---	---	155
20	333	293	311	---	---	600	---	---	270	---	---	150
21	383	242	331	---	---	610	---	---	280	---	---	145
22	402	283	381	---	---	590	---	---	280	---	---	150
23	---	---	390	---	---	570	---	---	285	---	---	150
24	---	---	380	---	---	560	---	---	280	---	---	150
25	---	---	370	---	---	550	---	---	285	---	---	145
26	---	---	350	---	---	530	---	---	260	140	120	132
27	---	---	320	---	---	500	---	---	290	140	120	130
28	308	203	271	---	---	470	---	---	290	140	120	132
29	382	332	369	---	---	440	---	---	270	130	100	120
30	419	---	380	---	---	410	---	---	270	120	100	113
31	---	---	---	---	---	380	---	---	280	---	---	---
MONTH	---	---	239	---	---	539	---	---	289	---	---	182

	OCTOBER 1986			NOVEMBER 1986			DECEMBER 1986			JANUARY 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	150	100	131	---	---	200	---	---	845	786	---	728
2	170	140	156	---	---	220	---	---	830	---	---	710
3	170	140	155	---	---	250	---	---	845	---	---	705
4	170	140	153	---	---	275	---	---	850	---	---	700
5	---	---	155	---	---	300	---	---	820	---	---	725
6	---	---	154	---	---	400	---	---	815	697	---	700
7	---	---	153	---	---	450	---	---	815	704	696	700
8	---	---	151	---	---	480	---	---	810	703	695	699
9	---	---	150	---	---	500	---	---	808	701	696	698
10	---	---	151	---	---	520	---	---	808	696	692	694
11	---	---	153	---	---	520	---	---	805	694	689	692
12	---	---	155	---	---	520	---	---	802	689	682	686
13	---	---	158	---	---	550	---	---	802	685	676	681
14	---	---	156	---	---	600	---	---	800	681	666	674
15	---	---	155	---	---	600	---	781	791	675	666	670
16	---	---	154	---	---	700	779	689	752	675	---	670
17	---	---	154	---	---	750	681	612	637	---	---	674
18	---	---	145	---	---	800	609	601	603	686	---	677
19	---	---	147	---	---	845	627	610	619	681	670	675
20	---	---	150	---	---	850	646	627	636	678	643	668
21	---	---	152	---	---	875	673	643	657	674	640	664
22	---	---	150	---	---	890	670	651	656	670	647	664
23	---	---	158	---	---	800	651	619	638	672	665	668
24	---	---	165	---	---	750	619	584	599	670	665	667
25	---	---	175	---	---	850	585	554	562	673	663	667
26	---	---	185	---	---	875	554	544	548	675	662	666
27	---	---	190	---	---	890	572	554	563	666	662	664
28	---	---	195	---	---	850	585	572	577	669	660	664
29	---	---	200	---	---	875	595	574	583	667	658	662
30	---	---	205	---	---	850	668	586	610	664	657	661
31	---	---	205	---	---	---	815	622	707	668	657	662
MONTH	---	---	162	---	---	628	---	---	716	---	---	682

TABLE 1.--Continued

11260815 SAN JOAQUIN RIVER NEAR STEVINSON, CA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C)

	FEBRUARY 1987			MARCH 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
1	666	657	661	---	---	865
2	661	657	659	---	---	870
3	662	656	659	---	---	875
4	663	655	659	---	---	880
5	664	653	658	---	---	860
6	665	651	657	---	---	730
7	661	651	656	---	---	500
8	663	650	656	---	---	600
9	657	651	654	---	---	700
10	660	651	654	---	---	750
11	659	651	654	---	---	790
12	652	649	651	---	---	810
13	656	648	651	---	---	820
14	655	620	645	---	---	830
15	612	334	382	---	---	820
16	413	341	380	---	---	760
17	411	369	394	---	---	730
18	397	370	378	---	---	750
19	---	---	400	---	---	800
20	---	---	450	---	---	825
21	---	---	570	---	---	835
22	---	---	650	---	---	840
23	---	---	670	---	---	845
24	---	---	740	---	---	850
25	---	---	790	---	---	850
26	---	---	830	---	---	850
27	---	---	840	---	---	860
28	---	---	850	---	---	865
29	---	---	---	---	---	870
30	---	---	---	---	---	875
31	---	---	---	---	---	880
MONTH	---	---	625	---	---	806

WATER TEMPERATURE (DEG. C)

	OCTOBER 1985			NOVEMBER 1985			DECEMBER 1985			JANUARY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	15.5	15.0	15.5	10.5	10.0	10.5	8.0	6.5	7.5
2	---	---	---	15.5	14.5	15.0	11.0	10.0	10.5	9.0	8.0	8.5
3	---	---	---	15.5	14.5	15.0	11.5	10.5	11.0	10.0	8.5	9.5
4	---	---	---	16.0	15.0	15.5	11.5	11.0	11.5	11.0	9.5	10.5
5	---	---	---	16.0	15.0	15.5	12.0	11.5	11.5	12.5	11.0	11.5
6	---	---	---	15.0	14.5	15.0	11.5	11.0	11.5	12.5	11.5	12.0
7	---	---	---	15.5	14.5	14.5	11.5	11.0	11.0	11.5	11.0	11.5
8	---	---	---	15.5	14.0	15.0	11.0	10.0	10.5	11.0	9.5	10.5
9	---	---	---	14.5	14.0	14.0	10.5	9.0	10.0	10.5	10.0	10.5
10	---	---	---	14.0	13.0	13.5	9.5	8.5	9.0	10.5	10.0	10.0
11	---	---	---	12.5	11.5	12.0	8.0	7.0	7.5	9.5	9.0	9.5
12	---	---	---	11.5	10.5	11.0	7.0	6.0	6.5	9.0	8.5	9.0
13	---	---	---	11.0	10.0	10.5	6.0	5.0	5.5	9.0	7.5	8.5
14	---	---	---	10.5	9.5	9.5	5.5	4.5	5.0	8.5	8.0	8.0
15	---	---	---	10.0	8.5	9.0	5.5	4.5	5.0	9.0	8.0	8.5
16	---	---	---	9.5	9.0	9.5	5.5	5.0	5.0	10.5	9.0	9.5
17	---	---	---	10.5	9.5	10.0	5.5	5.0	5.0	12.0	10.0	11.0
18	---	---	---	10.5	9.5	10.0	5.5	5.0	5.0	12.5	11.5	12.0
19	---	---	---	10.0	8.5	9.0	5.0	4.5	5.0	13.0	12.5	13.0
20	---	---	---	9.5	9.0	9.0	5.0	4.5	4.5	13.5	12.0	12.5
21	---	---	---	9.5	9.0	9.0	4.5	4.0	4.5	12.5	11.0	12.0
22	---	---	---	9.5	8.5	9.0	4.5	4.0	4.5	11.5	9.5	11.5
23	---	---	---	9.5	9.0	9.5	4.5	4.0	4.5	12.0	10.0	11.0
24	---	---	---	9.5	9.5	9.5	4.5	4.0	4.5	11.5	10.5	11.0
25	16.5	16.0	16.5	10.5	9.5	10.0	4.5	4.0	4.0	11.5	10.0	10.5
26	17.5	16.0	16.5	10.5	9.5	10.0	4.5	4.0	4.0	11.0	10.0	10.5
27	17.0	16.0	16.5	11.0	10.5	11.0	4.5	4.0	4.0	11.0	10.0	10.5
28	17.5	16.0	17.0	11.0	11.0	11.0	4.0	4.0	4.0	11.0	10.0	10.5
29	17.0	16.0	16.5	11.0	10.5	11.0	4.5	4.0	4.5	11.0	10.0	10.5
30	17.0	16.0	16.5	11.0	10.5	10.5	6.0	4.5	5.0	12.0	10.0	11.0
31	16.5	15.5	16.0	---	---	---	7.0	5.5	6.0	12.5	11.0	12.0
MONTH	---	---	---	16.0	8.5	11.5	12.0	4.0	7.0	13.5	6.5	10.5

TABLE 1.--Continued

11260815 SAN JOAQUIN RIVER NEAR STEVINSON, CA--Continued

WATER TEMPERATURE (DEG. C)

	FEBRUARY 1986			MARCH 1986			APRIL 1986			MAY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	12.5	10.5	12.0	15.0	14.0	14.5	16.5	15.0	16.0	19.0	12.0	18.0
2	13.0	12.0	12.5	15.5	14.5	15.0	15.5	13.5	14.0	19.0	16.5	18.0
3	12.5	12.0	12.5	15.5	14.5	15.0	14.5	12.5	13.5	19.5	17.5	18.5
4	12.0	11.0	11.5	16.0	15.0	15.5	14.5	13.5	14.0	17.5	16.5	17.0
5	11.0	10.5	11.0	16.5	15.5	16.0	14.0	13.0	13.5	18.5	17.5	18.0
6	11.0	10.0	11.0	16.5	15.0	16.0	14.5	11.5	13.5	17.5	16.0	17.0
7	10.5	9.0	10.0	16.5	14.5	15.5	15.0	13.5	14.0	17.0	15.0	16.0
8	10.5	9.0	9.5	15.5	14.5	15.0	15.5	12.5	14.5	17.5	15.5	17.0
9	10.0	8.5	9.0	14.5	12.5	13.5	16.0	14.5	15.0	18.5	15.0	18.0
10	10.0	8.5	9.0	12.5	11.0	11.5	17.0	14.0	16.0	19.5	18.0	19.0
11	9.0	8.5	9.0	12.5	10.5	11.5	17.5	16.0	17.0	19.0	17.5	18.5
12	9.5	8.5	9.0	13.0	12.0	12.5	17.0	14.5	16.0	19.5	17.5	18.5
13	11.5	8.5	9.5	13.0	12.0	12.5	15.0	13.5	14.5	21.0	19.0	18.5
14	13.0	11.5	12.5	12.5	11.0	11.5	15.5	13.5	15.0	21.0	19.0	20.0
15	13.0	12.0	12.5	12.0	10.0	11.0	15.5	14.5	15.0	20.5	16.5	19.5
16	13.0	12.5	13.0	10.5	9.5	10.0	14.5	14.0	14.5	21.0	17.0	19.5
17	13.5	12.0	12.5	11.5	10.0	11.0	15.0	13.0	14.0	22.0	17.0	20.0
18	14.0	13.0	13.5	12.0	10.5	11.5	15.5	13.0	14.0	23.5	21.5	23.0
19	14.0	12.5	13.5	13.5	10.0	12.5	17.0	13.5	16.0	24.5	15.5	23.0
20	13.0	11.0	12.5	14.5	13.0	14.0	19.0	12.0	17.5	24.0	18.5	22.5
21	12.0	11.5	12.0	15.0	13.5	14.5	20.0	17.0	19.0	22.5	20.5	21.5
22	13.0	12.0	12.5	15.5	13.5	15.0	20.5	18.5	18.5	20.5	18.5	20.0
23	13.0	12.5	13.0	15.0	14.0	15.0	19.0	16.5	18.0	---	---	20.0
24	13.5	12.5	13.0	15.0	14.0	14.5	18.0	15.5	17.0	---	---	20.5
25	14.5	13.5	14.0	15.0	13.5	14.5	18.5	15.5	17.5	---	---	22.5
26	15.0	14.0	14.5	16.0	13.5	15.0	17.5	16.0	17.0	---	---	24.0
27	15.0	14.5	14.5	16.0	14.5	15.5	18.0	14.5	16.5	---	---	24.0
28	14.5	13.5	14.0	17.0	15.0	16.0	20.0	16.0	18.5	---	---	24.5
29	---	---	---	17.0	15.5	16.5	19.0	17.0	18.0	---	---	24.5
30	---	---	---	17.0	15.5	16.5	19.0	16.5	17.5	---	---	25.5
31	---	---	---	17.0	15.5	16.5	---	---	---	---	---	25.5
MONTH	15.0	8.5	12.0	17.0	9.5	14.0	20.5	11.5	16.0	---	---	20.5

	JUNE 1986			JULY 1986			AUGUST 1986			SEPTEMBER 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	24.5	---	---	26.5	---	---	25.0	---	---	25.0
2	---	---	24.5	---	---	27.5	---	---	26.0	---	---	25.5
3	---	---	24.0	---	---	27.5	---	---	27.0	---	---	25.0
4	---	---	23.5	---	---	26.5	---	---	28.0	---	---	25.0
5	---	---	23.5	---	---	25.5	---	---	28.0	---	---	25.5
6	---	---	23.0	---	---	25.0	---	---	28.0	---	---	25.5
7	---	---	22.5	---	---	25.0	---	---	26.0	---	---	25.0
8	---	---	22.0	---	---	25.5	---	---	26.0	---	---	24.0
9	---	---	22.5	---	---	26.0	---	---	25.5	---	---	22.5
10	---	---	24.0	---	---	26.0	---	---	26.0	---	---	22.0
11	---	---	24.5	---	---	26.5	---	---	26.0	---	---	22.0
12	---	---	24.0	---	---	21.0	---	---	26.5	---	---	21.5
13	---	---	24.5	---	---	17.5	---	---	26.5	---	---	20.5
14	---	---	24.0	---	---	17.5	---	---	26.0	---	---	20.0
15	---	---	24.0	---	---	17.5	---	---	25.5	---	---	20.0
16	---	---	24.0	---	---	18.0	---	---	24.5	---	---	20.5
17	---	---	24.0	---	---	17.0	---	---	24.0	---	---	19.5
18	---	---	24.0	---	---	17.0	---	---	24.0	---	---	19.0
19	---	---	23.5	---	---	18.0	---	---	25.0	---	---	19.5
20	---	---	23.0	---	---	18.5	---	---	24.5	---	---	19.5
21	---	---	24.0	---	---	19.0	---	---	24.5	---	---	19.0
22	---	---	25.5	---	---	19.5	---	---	24.5	---	---	19.0
23	---	---	27.0	---	---	19.0	---	---	24.0	---	---	19.5
24	---	---	27.0	---	---	19.0	---	---	24.5	---	---	19.0
25	---	---	27.0	---	---	18.5	---	---	24.5	---	---	---
26	---	---	27.0	---	---	19.0	---	---	24.5	---	---	---
27	---	---	26.5	---	---	19.5	---	---	25.0	---	---	---
28	---	---	26.0	---	---	20.0	---	---	25.0	---	---	---
29	---	---	25.5	---	---	21.0	---	---	24.5	---	---	---
30	---	---	25.5	---	---	22.0	---	---	24.0	---	---	---
31	---	---	---	---	---	23.5	---	---	24.0	---	---	---
MONTH	---	---	24.5	---	---	21.5	---	---	25.5	---	---	21.0

TABLE 1.--Continued

11260815 SAN JOAQUIN RIVER NEAR STEVINSON, CA--Continued

WATER TEMPERATURE (DEG. C)

	OCTOBER 1986			NOVEMBER 1986			DECEMBER 1986			JANUARY 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	18.0	---	---	15.0	---	---	9.0	8.5	8.0	8.5
2	---	---	17.0	---	---	14.5	---	---	9.0	8.5	8.0	8.5
3	---	---	16.5	---	---	14.5	---	---	9.0	9.0	8.5	8.5
4	---	---	17.0	---	---	14.5	---	---	9.5	10.0	8.5	9.0
5	---	---	18.0	---	---	14.5	---	---	10.0	10.0	8.5	9.0
6	---	---	19.0	---	---	13.0	---	---	10.0	9.5	9.0	9.0
7	---	---	19.5	---	---	11.5	---	---	10.0	9.5	9.0	9.0
8	---	---	20.0	---	---	11.5	---	---	9.5	9.0	8.0	8.5
9	---	---	20.5	---	---	11.5	---	---	9.0	8.5	7.5	8.0
10	---	---	20.5	---	---	12.0	---	---	9.0	8.0	8.0	8.0
11	---	---	20.0	---	---	12.0	---	---	8.5	8.0	7.5	7.5
12	---	---	19.0	---	---	12.5	---	---	8.0	7.5	7.0	7.5
13	---	---	18.5	---	---	12.5	---	---	8.0	7.5	7.0	7.5
14	---	---	18.5	---	---	12.5	---	---	8.5	7.5	7.0	7.0
15	---	---	18.5	---	---	12.5	8.5	8.5	8.5	7.0	5.5	6.5
16	---	---	18.0	---	---	12.0	9.0	8.0	8.5	---	4.5	4.5
17	---	---	17.5	---	---	12.0	8.5	7.0	8.0	---	---	4.0
18	---	---	16.5	---	---	12.5	8.5	8.0	8.5	---	4.5	4.5
19	---	---	16.0	---	---	13.5	9.0	8.5	8.5	5.5	4.0	5.0
20	---	---	16.5	---	---	14.0	9.5	8.5	9.0	6.0	4.5	5.5
21	---	---	16.5	---	---	14.0	9.5	9.0	9.0	6.5	5.0	5.5
22	---	---	17.0	---	---	13.0	9.5	9.0	9.0	6.5	6.0	6.0
23	---	---	17.0	---	---	12.5	10.0	9.0	9.5	8.0	6.5	7.0
24	---	---	17.0	---	---	12.0	10.0	9.0	9.5	8.0	7.5	7.5
25	---	---	17.5	---	---	11.5	9.5	9.0	9.0	9.5	8.0	8.5
26	---	---	18.0	---	---	11.0	9.0	8.5	9.0	11.5	9.0	10.0
27	---	---	18.5	---	---	10.5	9.0	8.5	8.5	10.5	9.5	10.5
28	---	---	18.0	---	---	10.0	8.5	8.5	8.5	11.5	10.5	11.0
29	---	---	18.0	---	---	10.0	8.5	8.0	8.5	11.5	10.0	11.0
30	---	---	17.5	---	---	9.5	8.5	8.0	8.0	11.5	10.5	11.0
31	---	---	15.5	---	---	---	8.5	8.0	8.0	12.0	10.0	11.0
MONTH	---	---	18.0	---	---	12.5	---	---	9.0	---	---	8.0

	FEBRUARY 1987			MARCH 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
1	11.0	10.0	10.5	---	---	12.5
2	11.0	10.5	10.5	---	---	13.5
3	12.0	10.5	11.0	---	---	14.0
4	12.0	10.5	11.5	---	---	14.0
5	12.0	10.5	11.5	---	---	13.5
6	12.5	11.0	11.5	---	---	14.0
7	14.0	11.0	12.5	---	---	14.5
8	13.5	12.0	12.5	---	---	15.0
9	13.0	13.0	13.0	---	---	15.5
10	14.0	13.0	13.5	---	---	15.0
11	15.5	14.0	14.5	---	---	16.0
12	15.0	14.0	14.0	---	---	16.5
13	15.5	14.0	14.5	---	---	16.5
14	14.0	13.5	14.0	---	---	16.0
15	13.5	13.0	13.5	---	---	15.0
16	13.0	12.5	12.5	---	---	14.5
17	12.5	11.5	12.0	---	---	15.0
18	13.0	11.5	12.0	---	---	15.5
19	---	---	11.5	---	---	15.0
20	---	---	11.0	---	---	14.5
21	---	---	11.0	---	---	15.0
22	---	---	11.0	---	---	15.0
23	---	---	11.0	---	---	15.0
24	---	---	10.5	15.5	14.5	15.5
25	---	---	11.0	---	---	15.0
26	---	---	11.0	---	14.0	15.5
27	---	---	11.0	17.5	14.5	16.0
28	---	---	11.5	16.5	14.5	16.0
29	---	---	---	17.5	15.0	16.5
30	---	---	---	19.0	16.0	17.5
31	---	---	---	19.5	17.0	18.0
MONTH	---	---	12.0	---	---	15.0

TABLE 1.--Continued

11261100 SALT SLOUGH AT STATE HIGHWAY 165, NEAR STEVINSON, CA

LOCATION.--Lat 37°14'52", long 120°51'04", in SE 1/4 SE 1/4, sec. 10, T.8 S., R.10 E., Merced County, Hydrologic Unit 18040001, on right bank at bridge on State Highway 165, and 5.5 mi south of Stevinson.
DRAINAGE AREA.--Indeterminate.
PERIOD OF RECORD.--June 1985 to March 1987.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1985 to March 1987.
WATER TEMPERATURE: October 1985 to March 1987.
INSTRUMENTATION.--Minimonitor recorder since October 1985. Satellite telemetry since October 1986.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 3,530 microsiemens, Feb. 26, 1986; minimum daily, 450 microsiemens, July 24, 1986.
WATER TEMPERATURE: Maximum recorded, 29.0°C, Aug. 5, 1986; minimum recorded, 0.5°C, Dec. 26, 1985.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L AS CACO3)	CALCIUM, DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
JUN 1985												
12...	0830	140	1620	7.8	24.0	757	5.2	340	180	80	34	190
25...	0830	192	1170	8.1	20.5	758	6.0	350	210	87	33	180
JUL												
18...	1130	112	1750	8.0	23.5	758	5.9	400	230	95	39	230
AUG												
01...	1515	278	1260	7.9	24.0	760	7.5	280	150	66	27	150
14...	1400	180	1020	7.9	24.0	760	7.3	300	160	71	29	170
28...	0900	230	1190	7.8	22.0	764	5.8	250	110	59	25	140
SEP												
12...	1100	125	1340	7.9	18.5	767	7.4	290	100	62	33	180
27...	0745	125	1300	7.9	21.0	757	6.8	260	79	53	30	160
OCT												
11...	0830	152	1330	7.9	14.0	760	8.2	270	99	59	30	160
24...	1045	276	1420	7.8	16.0	765	8.4	290	120	65	31	170
NOV												
07...	0815	144	1660	7.9	14.0	765	9.5	350	170	77	39	220
19...	0815	105	2310	7.9	8.0	769	10.3	620	400	120	77	320
DEC												
05...	1100	160	2540	7.8	13.0	767	8.8	570	330	130	60	350
19...	1000	65	2640	8.0	7.0	769	10.2	560	290	120	64	370
JAN 1986												
09...	0945	100	3180	7.9	11.5	767	8.0	680	420	150	73	460
24...	0745	120	3130	7.9	10.5	766	9.4	700	460	160	72	440
FEB												
06...	0815	150	2870	7.8	10.5	763	9.2	710	520	180	64	390
21...	0800	352	2970	7.8	15.0	769	7.4	660	460	160	64	380
26...	1030	320	3100	7.7	16.5	763	6.2	650	460	150	68	370
MAR												
05...	0800	314	2310	7.9	17.0	765	7.9	510	350	120	51	300
18...	1515	440	1450	7.7	15.0	765	9.3	310	170	72	31	180
APR												
02...	1245	370	2020	7.9	16.0	763	8.6	490	330	120	46	260
16...	1430	455	1340	7.7	16.0	764	7.6	280	160	66	28	160
MAY												
07...	1515	450	1230	7.9	17.0	761	8.4	280	170	72	25	150
21...	1445	250	1140	8.0	21.0	764	6.5	260	120	57	28	150
JUN												
03...	1515	320	802	7.9	24.0	760	6.2	180	72	42	18	93
18...	1300	300	959	7.8	23.5	765	6.3	230	100	53	23	120
JUL												
01...	1430	354	1160	7.8	27.0	760	5.9	250	120	59	25	130
16...	0800	309	1080	7.8	21.0	765	5.9	240	110	56	25	130
AUG												
06...	1415	410	1100	7.9	27.0	760	5.4	250	110	60	24	140
27...	0745	446	1390	7.9	23.5	760	5.3	310	180	78	29	170
SEP												
08...	1430	351	1100	7.9	24.0	760	6.5	250	120	59	25	130
25...	0745	266	1090	7.8	16.5	760	7.5	240	89	53	25	130
OCT												
07...	1430	133	1690	8.1	22.0	760	8.6	370	210	87	36	220
22...	1430	229	1050	7.9	18.5	760	8.4	240	110	55	25	130
NOV												
05...	1315	274	1400	8.0	15.0	760	8.7	310	160	74	31	180
19...	1130	239	1490	7.8	13.5	760	9.5	330	170	76	34	190
DEC												
04...	1315	205	2060	8.0	9.5	760	11.3	390	220	92	39	270
15...	1145	147	2220	7.8	9.0	760	10.1	410	230	94	43	280

TABLE 1.--Continued

11261100 SALT SLOUGH AT STATE HIGHWAY 165, NEAR STEVINSON, CA--Continued

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L AS CACO3)	CALCIUM, DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
JAN 1987												
06...	1215	144	2670	7.8	10.0	760	9.3	490	290	110	52	370
21...	1145	140	2700	7.9	6.0	770	12.2	690	470	160	71	440
FEB												
05...	1400	238	2130	7.8	12.0	765	9.1	460	300	110	46	280
18...	1145	277	2290	8.0	12.0	765	10.2	540	370	130	53	300
MAR												
10...	0945	736	2260	7.8	14.5	760	7.5	500	350	120	49	260
24...	1345	499	2120	7.9	14.0	760	9.4	460	290	110	46	250

TABLE 1.--Continued

11261100 SALT SLOUGH AT STATE HIGHWAY 165, NEAR STEVINSON, CA--Continued

DATE	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, CARBONATE IT-FLD (MG/L AS CACO3)	SULFATE, DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3, DISSOLVED (MG/L AS N)
JUN 1985												
12...	54	5	4.8	163	270	240	0.3	17	982	1.3	371	2.6
25...	52	4	4.1	144	260	210	13	21	911	1.2	472	3.9
JUL												
18...	55	5	4.8	168	320	260	0.3	24	1100	1.5	333	2.8
AUG												
01...	54	4	4.0	126	210	180	0.2	20	757	1.0	568	2.5
14...	55	4	3.8	141	220	210	0.2	19	803	1.1	390	2.3
28...	54	4	3.8	142	170	180	0.3	19	689	0.94	428	2.0
SEP												
12...	57	5	4.6	187	190	240	0.2	22	842	1.1	284	0.90
27...	57	4	5.2	177	160	210	0.2	21	768	1.0	259	1.1
OCT												
11...	56	4	4.5	172	180	210	0.2	20	784	1.1	322	1.4
24...	55	4	5.5	167	240	210	0.2	16	854	1.2	636	1.9
NOV												
07...	57	5	4.6	178	310	280	0.3	18	1070	1.5	416	2.0
19...	53	6	8.8	218	440	370	0.3	18	1510	2.1	428	2.4
DEC												
05...	57	7	6.9	238	540	420	0.3	18	1700	2.3	734	3.0
19...	59	7	4.2	269	470	500	0.3	20	1760	2.4	309	1.4
JAN 1986												
09...	59	8	8.1	259	810	550	0.3	19	2340	3.2	632	5.0
24...	58	7	6.0	233	760	510	0.3	17	2130	2.9	690	6.4
FEB												
06...	54	7	5.3	190	820	420	0.3	18	2070	2.8	838	11
21...	55	7	7.3	208	830	450	0.3	--	2100	--	--	7.2
26...	55	6	5.5	198	750	430	0.3	21	1990	2.7	1720	6.5
MAR												
05...	56	6	4.4	159	590	300	0.3	18	1530	2.1	1300	5.4
18...	55	5	5.8	133	280	180	0.3	16	846	1.2	1010	4.5
APR												
02...	53	5	4.4	161	520	280	0.3	16	1420	1.9	1420	4.7
16...	55	4	3.4	123	280	180	0.2	15	886	1.2	1090	3.3
MAY												
07...	53	4	3.4	108	280	160	0.2	16	821	1.1	998	4.1
21...	55	4	4.0	133	200	200	0.3	20	732	1.0	494	0.79
JUN												
03...	52	3	3.7	107	130	100	0.2	18	491	0.67	424	1.1
18...	53	4	4.0	125	160	140	0.3	19	611	0.83	495	1.8
JUL												
01...	52	4	4.9	134	210	160	0.2	17	732	1.0	700	2.4
16...	53	4	4.1	134	170	160	0.2	20	660	0.90	551	2.0
AUG												
06...	55	4	4.0	139	170	140	0.3	--	620	--	--	2.3
27...	54	4	4.2	136	270	160	0.2	18	849	1.2	1020	3.3
SEP												
08...	53	4	4.5	134	210	150	0.3	17	720	0.98	682	2.1
25...	54	4	4.2	146	170	160	0.2	17	733	1.0	526	1.7
OCT												
07...	56	5	3.9	153	380	240	0.2	17	920	1.3	330	3.4
22...	54	4	3.6	130	190	150	0.2	18	672	0.91	415	1.7
NOV												
05...	55	5	3.5	148	290	190	0.1	18	895	1.2	662	3.0
19...	55	5	3.8	156	310	220	0.2	17	1000	1.4	645	2.9
DEC												
04...	60	6	4.0	175	460	270	0.2	19	1290	1.8	714	5.1
15...	59	6	3.3	184	510	310	0.2	20	1460	2.0	579	4.6
JAN 1987												
06...	62	7	5.6	202	620	370	0.2	18	1740	2.4	677	6.3
21...	58	8	4.1	221	850	450	0.3	16	2240	3.0	847	7.8
FEB												
05...	56	6	5.3	162	510	270	0.2	17	1380	1.9	887	6.1
18...	54	6	5.2	172	640	300	0.3	18	1550	2.1	1160	6.0
MAR												
10...	53	5	4.6	156	500	260	0.3	20	1340	1.8	2660	9.9
24...	54	5	4.2	172	490	300	0.3	19	1330	1.8	1790	5.1

TABLE 1.--Continued

11261100 SALT SLOUGH AT STATE HIGHWAY 165, NEAR STEVINSON, CA--Continued

DATE	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	NITROGEN, AMMONIA + ORGANIC, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP., SIEVE DIAM. % FINER THAN 0.062 MM	CHLOR-A PHYTOPLANKTON, CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON, CHROMO FLUOROM (UG/L)	CARBON, ORGANIC, TOTAL (MG/L AS C)
JUN 1985												
12...	0.19	0.24	1.7	0.44	0.16	0.14	234	88	98	--	--	--
25...	0.20	0.26	1.7	0.34	0.17	0.15	268	139	97	--	--	--
JUL												
18...	0.18	0.23	1.3	0.28	0.19	0.13	160	48	99	--	--	--
AUG												
01...	0.12	0.15	1.5	0.23	0.19	0.14	244	183	98	--	--	--
14...	0.07	0.09	1.1	0.20	0.12	0.09	215	104	97	--	--	--
28...	0.11	0.14	1.0	0.20	0.17	0.13	229	142	98	--	--	--
SEP												
12...	0.12	0.15	1.0	0.24	0.16	0.12	112	38	98	--	--	--
27...	0.12	0.15	1.1	0.40	0.15	0.13	155	52	98	10	0.90	--
OCT												
11...	0.11	0.14	1.3	0.40	0.17	0.17	181	74	97	1.7	0.10	--
24...	0.14	0.18	1.3	0.39	0.20	0.16	147	110	95	6.0	0.50	--
NOV												
07...	0.11	0.14	0.90	0.21	0.09	0.08	77	30	95	--	--	--
19...	0.18	0.23	0.90	0.15	0.06	0.06	25	7.1	91	0.80	0.10	--
DEC												
05...	0.25	0.32	1.5	0.28	0.08	0.09	130	56	97	8.2	0.50	--
19...	0.21	0.27	1.0	0.12	0.03	0.04	41	7.2	82	2.9	0.60	5.7
JAN 1986												
09...	1.1	1.4	2.5	0.34	0.10	0.08	67	18	94	6.3	0.60	11
24...	0.19	0.24	1.5	0.24	0.07	0.06	74	24	95	2.3	0.20	8.7
FEB												
06...	0.18	0.23	1.7	0.31	0.07	0.07	--	--	--	7.8	0.50	17
21...	0.32	0.41	1.6	0.23	0.15	0.12	29	28	94	5.9	0.40	12
26...	0.27	0.35	1.4	0.21	0.11	0.09	60	52	98	--	--	11
MAR												
05...	0.11	0.14	1.5	0.31	0.09	0.07	237	201	98	7.7	0.60	9.8
18...	0.30	0.39	1.6	0.51	0.34	0.29	169	201	97	9.2	0.90	11
APR												
02...	0.15	0.19	1.1	0.28	0.15	0.13	183	183	87	--	--	9.2
16...	0.12	0.15	1.0	0.35	0.19	0.17	136	167	96	2.8	0.30	8.5
MAY												
07...	0.11	0.14	1.2	0.29	0.12	0.11	143	174	81	7.2	0.50	8.1
21...	0.15	0.19	1.3	0.48	0.15	0.13	247	167	97	5.6	0.70	9.9
JUN												
03...	0.19	0.24	1.3	0.47	0.17	0.15	195	168	93	10	1.3	9.8
18...	0.11	0.14	1.4	0.51	0.14	0.12	--	--	--	17	1.9	10
JUL												
01...	0.15	0.19	1.5	0.33	0.16	0.16	--	--	--	--	--	9.9
16...	0.13	0.17	1.2	0.30	0.18	0.16	280	234	95	29	2.1	11
AUG												
06...	0.13	0.17	1.5	0.36	0.17	0.13	--	--	--	--	--	9.5
27...	0.10	0.13	1.9	0.42	0.15	0.12	--	--	--	10	0.80	9.7
SEP												
08...	0.09	0.12	1.2	0.24	0.13	0.12	--	--	--	--	--	10
25...	0.07	0.09	3.6	0.26	0.10	0.08	181	130	97	39	1.6	9.4
OCT												
07...	0.02	0.03	1.0	0.14	0.03	0.06	--	--	--	--	--	6.8
22...	0.03	0.04	1.4	0.13	0.09	0.08	125	77	93	8.4	0.80	6.2
NOV												
05...	0.05	0.06	0.90	0.25	0.09	0.08	--	--	--	--	--	6.4
19...	0.07	0.09	0.90	0.21	0.08	0.07	102	66	93	3.7	0.20	5.5
DEC												
04...	0.23	0.30	1.3	0.18	0.06	0.06	--	--	--	--	--	4.6
15...	0.15	0.19	1.3	0.07	<0.01	0.04	33	13	91	1.1	<0.10	6.5
JAN 1987												
06...	0.11	0.14	2.4	0.26	0.05	0.07	--	--	--	--	--	8.8
21...	1.6	2.1	2.0	0.12	0.05	0.04	24	9.1	89	2.9	0.10	7.6
FEB												
05...	0.40	0.52	2.6	0.31	0.13	0.11	--	--	--	--	--	11
18...	0.18	0.23	2.5	0.30	0.12	0.12	223	167	96	3.9	0.40	7.5
MAR												
10...	0.15	0.19	0.80	0.31	0.19	0.16	--	--	--	--	--	7.7
24...	0.09	0.12	1.5	0.26	0.12	0.10	164	221	94	8.4	0.60	7.5

TABLE 1.--Continued

11261100 SALT SLOUGH AT STATE HIGHWAY 165, NEAR STEVINSON, CA--Continued

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC, TOTAL (UG/L AS AS)	ARSENIC, DISSOLVED (UG/L AS AS)	BORON, TOTAL RECOVERABLE (UG/L AS B)	BORON, DISSOLVED (UG/L AS B)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)
JUN 1985											
12...	5900	--	6	4	1100	1100	23	1	4	9000	12
25...	7200	--	8	3	1300	1200	19	11	4	10000	17
JUL											
18...	4100	<10	6	4	1600	1600	18	8	3	5500	22
AUG											
01...	7700	50	9	4	1100	980	56	9	4	10000	35
14...	6400	10	6	4	1100	990	14	6	2	8300	20
28...	5700	50	7	5	830	780	16	10	2	8100	48
SEP											
12...	2200	20	5	4	610	620	14	12	2	3700	19
27...	4500	20	6	4	540	520	15	7	3	5800	9
OCT											
11...	4300	20	6	4	720	740	14	14	2	5700	17
24...	5800	20	6	4	1300	1300	28	8	2	6400	30
NOV											
07...	2200	<10	4	2	1300	1200	9	4	3	3100	16
19...	630	<10	3	2	1900	2000	10	3	2	1200	30
DEC											
05...	2200	<10	4	2	2400	2500	15	7	2	3900	40
19...	670	<10	2	1	1600	1600	7	3	1	2300	40
JAN 1986											
09...	1000	<10	4	2	3300	3300	25	8	1	2600	30
24...	1900	<10	4	1	3500	3400	9	6	1	3500	50
FEB											
06...	4800	10	5	2	3600	3600	20	7	2	--	20
21...	880	<10	3	2	3300	3400	12	4	1	1200	40
26...	1700	<10	3	2	3400	3100	14	7	2	2200	30
MAR											
05...	5000	<10	4	2	2600	2700	21	9	2	1300	30
18...	2200	40	8	6	1300	1200	12	7	4	3400	36
APR											
02...	2100	<10	4	3	2500	2500	14	6	1	5700	30
16...	2100	20	4	3	1400	1400	9	9	<1	3400	26
MAY											
07...	3300	20	4	3	1300	1300	13	7	4	4800	11
21...	5500	<10	7	3	650	610	7	12	2	8700	15
JUN											
03...	4100	10	7	--	520	490	12	9	3	8100	21
18...	7200	<10	8	4	850	790	19	15	8	13000	19
JUL											
01...	3600	20	6	3	900	920	19	8	1	5800	18
16...	5900	10	7	4	790	800	17	11	4	9700	25
AUG											
06...	4800	<10	--	4	--	910	22	--	1	7900	--
27...	3900	10	5	4	1300	1300	5	14	3	7000	30
SEP											
08...	3300	<10	6	4	960	930	6	7	1	6700	11
25...	4000	30	6	3	670	680	8	13	2	6600	29
OCT											
07...	1900	<10	4	2	1600	1400	11	11	3	3200	13
22...	3800	<10	5	2	680	740	<1	--	1	5800	5
NOV											
05...	2300	<10	4	3	1300	1300	5	9	2	4200	6
19...	3200	<10	4	2	1200	1300	5	20	3	4500	--
DEC											
04...	1200	<10	3	2	1900	1800	2	11	1	3000	210
15...	680	<10	2	1	1900	2000	2	5	1	1600	10
JAN 1987											
06...	1000	<10	4	2	2600	2600	3	7	2	2300	20
21...	550	20	2	1	3900	3800	<1	5	2	1200	20
FEB											
05...	2800	10	4	2	2200	2300	12	9	2	4400	20
18...	4300	<10	4	2	2700	1400	9	12	1	5800	20
MAR											
10...	1500	30	6	5	2100	2100	<1	7	3	2600	20
24...	2400	20	4	2	1800	1800	4	8	1	3200	4

TABLE 1.--Continued

11261100 SALT SLOUGH AT STATE HIGHWAY 165, NEAR STEVINSON, CA--Continued

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
JUN 1985											
12...	3	630	230	8	6	25	5	6	6	40	15
25...	3	550	220	9	6	21	12	6	6	40	8
JUL											
18...	4	490	290	10	11	14	8	6	7	20	6
AUG											
01...	17	350	79	7	8	16	2	6	6	50	10
14...	6	300	91	--	--	13	2	5	5	20	15
28...	3	340	56	5	5	15	2	5	4	30	7
SEP											
12...	<1	470	310	6	3	14	3	<1	<1	20	7
27...	7	440	190	8	6	15	4	<1	<1	20	9
OCT											
11...	6	440	200	5	4	8	3	2	2	20	4
24...	2	330	110	6	6	12	3	6	6	30	5
NOV											
07...	<1	440	290	5	7	12	<1	5	5	10	10
19...	1	710	670	7	7	6	3	7	8	<10	10
DEC											
05...	<1	770	630	11	11	5	4	10	10	20	10
19...	1	1600	1300	9	10	9	2	4	4	20	10
JAN 1986											
09...	1	1400	1100	15	11	11	3	16	16	20	20
24...	<1	920	740	11	13	8	<1	20	19	20	10
FEB											
06...	<1	740	480	10	10	16	3	25	24	40	10
21...	3	540	500	11	35	11	2	21	--	30	<10
26...	<1	610	500	11	10	3	4	27	24	30	10
MAR											
05...	1	650	270	9	--	--	5	21	21	30	20
18...	1	440	130	5	7	9	4	8	8	30	9
APR											
02...	4	440	230	8	9	9	2	17	19	30	10
16...	3	330	170	5	10	12	2	10	9	20	14
MAY											
07...	4	310	160	5	6	29	3	13	12	30	<3
21...	1	890	600	1	<1	--	6	1	<1	30	5
JUN											
03...	2	620	350	6	6	14	1	<1	<1	20	8
18...	<5	1000	20	4	5	18	16	2	2	40	4
JUL											
01...	5	440	170	8	8	4	2	3	3	20	5
16...	<5	460	96	8	7	16	6	1	1	30	7
AUG											
06...	<5	--	100	4	5	17	3	5	5	90	<10
27...	<5	320	70	7	8	23	2	9	9	30	10
SEP											
08...	<5	310	80	9	6	17	3	5	5	20	16
25...	<5	340	56	6	7	20	3	2	2	20	12
OCT											
07...	<5	300	140	7	4	9	2	12	12	20	5
22...	14	290	75	30	6	30	1	4	4	160	<3
NOV											
05...	<5	250	99	11	10	11	4	13	12	30	5
19...	12	340	180	8	10	10	4	9	9	20	6
DEC											
04...	<5	580	330	9	9	6	2	18	18	10	<10
15...	<5	480	420	9	9	3	1	17	15	10	<10
JAN 1987											
06...	<5	660	600	16	9	5	4	17	17	<10	<10
21...	<5	600	540	15	15	6	3	27	23	10	<10
FEB											
05...	<5	490	310	12	12	9	2	16	16	20	<10
18...	<5	470	270	14	9	11	4	15	14	10	<10
MAR											
10...	<5	210	120	8	8	8	6	14	13	20	<10
24...	<5	370	240	8	9	10	4	12	11	40	17

TABLE 1.--Continued

11261100 SALT SLOUGH AT STATE HIGHWAY 165, NEAR STEVINSON, CA--Continued

DATE	TIME	CARBON-TETRA-CHLO-RIDE, TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE, TOTAL (UG/L)	CHLORO-FORM, TOTAL (UG/L)	BENZENE, TOTAL (UG/L)	ETHYL-BENZENE, TOTAL (UG/L)	METHYL-ENE CHLO-RIDE, TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE, TOTAL (UG/L)	1,1,2,2 TETRA-CHLORO-ETHANE, TOTAL (UG/L)
SEP 1985 27...	0745	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

DATE	1,2-DI-CHLORO-PROPANE, TOTAL (UG/L)	1,2-TRANSDI CHLORO-ETHYL-ENE, TOTAL (UG/L)	METHO-MYL, TOTAL (UG/L)	PROPHAM, TOTAL (UG/L)	SIMA-ZINE, TOTAL (UG/L)	PROME-TRYNE, TOTAL (UG/L)	VINYL CHLO-RIDE, TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE, TOTAL (UG/L)	ETHION, TOTAL (UG/L)
SEP 1985 27...	<3.0	<3.0	<2.0	<2.0	<0.10	<0.1	<3.0	<3.0	0.01

DATE	PARA-THION, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	SEVIN, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	TRI-THION, TOTAL (UG/L)	CYAN-AZINE, TOTAL (UG/L)	2,4-DP, TOTAL (UG/L)	AME-TRYNE, TOTAL (UG/L)
SEP 1985 27...	<0.01	<0.01	<0.01	<2.0	<0.01	<0.01	<0.10	<0.01	<0.10

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	LINDANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT 1985 11...	0815	1330	7.9	14.0	760	8.2	<1.0	<0.1	<0.1	<1.0	7.2	12

DATE	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE, TOT. IN BOTTOM MATL. (UG/KG)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT 1985 11...	<0.1	0.9	<0.1	<0.1	<10	<0.1	<0.1	<0.1	<1	<0.1	<1.0

TABLE 1.--Continued

11261100 SALT SLOUGH AT STATE HIGHWAY 165, NEAR STEVINSON, CA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C)

	OCTOBER 1985			NOVEMBER 1985			DECEMBER 1985			JANUARY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	1070	1010	1030	1640	1380	1500	2300	2260	2280	---	---	2150
2	1260	1070	1170	1600	1380	1490	2430	2290	2360	---	---	2300
3	1250	1060	1150	1750	1610	1720	2470	2370	2410	---	---	2500
4	1110	1090	1100	1760	1570	1660	2490	2410	2460	3200	2550	2900
5	1340	1120	1250	1690	1570	1620	2470	2400	2430	3160	2930	3010
6	1410	1300	1390	1730	1580	1670	2450	2380	2420	3240	2930	3070
7	1450	1200	1340	1660	1570	1610	2490	2410	2450	3280	3200	3230
8	1200	1040	1110	1660	1510	1570	2550	2500	2530	3270	3140	3220
9	1420	1040	1140	1530	1450	1480	2610	2550	2580	3160	3140	3190
10	1430	1220	1350	1550	1470	1510	2670	2610	2650	3230	3060	3120
11	1630	1170	1330	1680	1510	1600	2720	2580	2660	3040	2950	3010
12	1230	1150	1180	1500	1410	1440	2580	2520	2550	3020	2840	2910
13	1230	1160	1210	1590	1440	1500	2530	2500	2520	3020	2860	2970
14	1590	1180	1210	1950	1570	1760	2730	2520	2610	2930	2850	2870
15	1290	1150	1200	2010	1880	1950	2870	2690	2760	2870	2760	2830
16	1220	1140	1190	2010	1850	1910	2870	2800	2840	2830	2760	2790
17	1210	1190	1200	2040	1840	1920	2790	2470	2610	3040	2820	2950
18	1290	1210	1250	2220	2050	2160	2620	2480	2540	2940	2790	2860
19	1330	1230	1280	2310	2150	2190	2690	2620	2650	2850	2770	2810
20	1330	1210	1290	2390	2150	2280	2710	2530	2610	3140	2800	3000
21	1260	1210	1240	2290	2010	2030	---	---	2600	3050	2850	2970
22	1510	1170	1340	2150	1990	2090	---	---	2550	2860	2790	2820
23	1560	1510	1530	2110	2040	2080	---	---	2500	2860	2780	2810
24	---	---	1420	2120	1940	2010	---	---	2450	3030	2890	2990
25	1330	1290	1310	2170	2040	2120	---	---	2400	3120	2790	3020
26	1330	1200	1280	2240	2150	2190	---	---	2300	---	---	3100
27	1380	1330	1360	2310	2250	2280	---	---	2200	---	---	3100
28	1400	1350	1380	2350	2290	2320	---	---	2150	---	---	3100
29	1380	1330	1360	2350	2270	2300	---	---	2100	---	---	3100
30	1520	1330	1420	2290	2080	2210	---	---	2000	2990	2450	2780
31	1570	1470	1520	---	---	---	---	---	2000	3010	2950	2980
MONTH	---	---	1280	2390	1380	1870	---	---	2460	---	---	2920

	FEBRUARY 1986			MARCH 1986			APRIL 1986			MAY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	2990	2920	2950	2820	2680	2770	2400	2270	2320	1560	1390	1480
2	2970	2870	2910	2660	2420	2540	2410	2240	2290	1560	1260	1480
3	2880	2760	2820	2920	2630	2730	2270	2190	2230	1570	1430	1500
4	3060	2370	2780	3100	2720	2910	2220	2070	2110	1580	1480	1520
5	2880	2410	2680	2920	2460	2670	2100	2040	2070	1730	1520	1610
6	3220	2850	3040	2410	1900	2040	2110	1920	2050	1720	1640	1680
7	3390	3220	3280	1890	1780	1850	2090	1970	2050	1800	1680	1730
8	3380	3250	3300	2070	1830	1930	2100	1880	1950	1420	1230	1310
9	3280	2960	3090	2250	2070	2180	1970	1860	1920	1540	1310	1330
10	2850	2650	2760	2390	2240	2310	1970	1900	1940	1540	1200	1280
11	2730	2650	2690	2560	2330	2430	2050	1960	2000	---	---	1250
12	2880	2730	2810	2740	2580	2660	2060	2000	2030	---	---	1200
13	2850	2750	2820	2660	2520	2580	2010	1910	1970	---	---	1180
14	2700	2560	2620	2530	2450	2490	2020	1950	1980	---	---	1150
15	2590	2380	2520	2530	2400	2460	2220	1990	2150	---	---	1120
16	2630	2490	2560	2390	2240	2310	2230	2080	2170	---	---	1100
17	2540	2420	2490	2460	2260	2340	2100	2020	2070	---	---	1090
18	2820	2530	2690	2520	2440	2480	2040	1910	1980	---	---	1070
19	3250	2830	3070	2510	2410	2450	1900	1690	1840	---	---	1060
20	3240	3000	3080	2510	2380	2420	1700	1660	1680	---	---	1040
21	3030	2860	2900	2520	2270	2370	1660	1510	1590	1270	980	1040
22	3010	2810	2910	2300	2140	2200	1740	1630	1690	1190	980	1070
23	2920	2700	2830	2260	2140	2210	1720	1580	1650	1170	970	1020
24	2920	2610	2740	2190	2130	2180	1810	1710	1790	1160	890	1000
25	3020	2930	3000	2230	2180	2210	1920	1800	1840	980	870	918
26	3530	3000	3230	2310	2210	2250	2040	1800	1910	950	770	836
27	3420	3170	3310	2260	2140	2200	1890	1660	1740	1070	920	978
28	3170	2760	2940	2270	2160	2220	1700	1560	1630	1250	1010	1070
29	---	---	---	2300	2110	2230	1660	1610	1640	1210	1030	1110
30	---	---	---	2340	2220	2290	1620	1470	1570	1090	890	973
31	---	---	---	2430	2230	2340	---	---	---	930	800	820
MONTH	3530	2370	2890	3100	1780	2360	2410	1470	1930	---	---	1190

TABLE 1.--Continued

11261100 SALT SLOUGH AT STATE HIGHWAY 165, NEAR STEVINSON, CA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C)

	JUNE 1986			JULY 1986			AUGUST 1986			SEPTEMBER 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	850	750	837	1200	840	1060	1410	520	1090	1500	1360	1430
2	820	680	741	1800	1140	1480	1380	770	994	1370	1330	1350
3	840	620	733	2190	960	1520	1290	690	1050	1330	1300	1320
4	820	670	710	1880	1170	1450	1430	860	1010	1360	1300	1320
5	790	600	688	1900	990	1350	1360	620	998	1370	1310	1350
6	720	600	702	1870	1050	1400	1320	710	1050	1360	1280	1320
7	800	710	746	1480	780	1230	1490	630	1160	1330	1150	1230
8	830	650	753	1830	850	1320	1530	780	1170	1170	1110	1140
9	840	710	767	1670	920	1370	1580	810	1210	1350	1160	1240
10	900	730	808	1670	980	1320	1510	760	1160	1350	1230	1280
11	860	750	836	1550	700	1160	1510	670	1080	1310	1080	1140
12	---	---	857	1550	710	1110	1540	620	1060	1150	1020	1100
13	---	---	878	1350	690	1130	1570	850	1230	1090	1020	1040
14	---	---	899	1570	740	1060	1720	1020	1390	1080	990	1040
15	---	---	920	1510	640	1000	---	---	1360	1020	940	986
16	---	---	941	1230	880	1050	---	---	1340	1090	950	1030
17	---	---	962	1230	760	1030	---	---	1310	1130	1020	1070
18	980	760	983	1330	510	1020	1360	---	1290	1190	1050	1140
19	1010	970	990	1290	710	974	1380	1180	1270	1180	1130	1150
20	1110	950	1020	1310	660	958	1540	1360	1430	1190	1080	1150
21	1110	1040	1070	1400	600	1000	1500	1310	1400	1380	1090	1250
22	1110	970	1050	1170	590	963	1450	1370	1410	1340	1190	1250
23	1120	820	929	1230	620	915	1510	1400	1450	1180	1140	1160
24	1090	900	945	1120	450	860	1490	1390	1440	1290	1130	1160
25	1300	780	948	1310	540	897	1400	1360	1380	1170	990	1060
26	1400	750	1050	1240	640	931	1400	1310	1330	1100	1030	1070
27	1470	840	1170	1260	680	872	1460	1150	1390	1090	1050	1070
28	1460	800	1080	1110	690	858	1520	1400	1440	1090	1000	1050
29	1600	700	1120	1450	800	1030	1470	1420	1450	---	---	1060
30	1410	630	1040	1300	560	1030	1440	1390	1410	---	---	1080
31	---	---	---	1340	700	987	1510	1420	1480	---	---	---
MONTH	---	---	906	2190	450	1110	---	---	1270	---	---	1170

	OCTOBER 1986			NOVEMBER 1986			DECEMBER 1986			JANUARY 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	1100	1480	1350	1410	1820	1530	1750	2470	2350	2410
2	---	---	1200	1430	1290	1370	1630	1440	1540	2390	2190	2290
3	---	---	1300	1410	1310	1370	1730	1530	1640	2300	2190	2250
4	---	---	1400	1390	1290	1340	2320	1740	1970	2420	2300	2380
5	---	---	1500	1400	1320	1370	2600	1980	2120	2580	2300	2330
6	---	---	1600	1450	1340	1390	2080	1990	2050	2670	2590	2640
7	1750	1620	1700	1490	1400	1430	2150	2000	2080	2740	2660	2690
8	1730	1630	1690	1540	1370	1460	2250	2050	2160	2880	2750	2830
9	2090	1670	1860	1410	1340	1370	2200	1980	2100	2860	2730	2790
10	2100	1600	1900	1440	1340	1390	2130	1870	2010	2730	2690	2710
11	1780	1550	1630	1400	1340	1380	2120	1880	1990	2760	2670	2720
12	1840	1570	1690	1610	1390	1510	1960	1860	1930	2670	2450	2590
13	1560	1220	1380	1580	1450	1520	2100	1860	1990	3030	2860	2930
14	1270	1180	1240	1490	1270	1420	2260	2040	2180	2910	2870	2900
15	1390	1220	1300	1580	1430	1520	2300	2190	2240	2860	2760	2830
16	1430	1140	1270	1580	1460	1510	2360	2120	2230	2770	2740	2760
17	1270	1060	1160	1590	1440	1510	2360	2070	2210	2770	2750	2760
18	1130	1050	1080	1500	1410	1450	2670	2370	2550	2750	2730	2740
19	1250	1040	1120	1570	1270	1460	2750	2610	2700	2740	2720	2730
20	1170	970	1080	1750	1510	1630	2760	2640	2710	2730	2700	2710
21	980	880	934	1630	1580	1600	2880	2740	2810	2810	2690	2740
22	1070	960	1020	1700	1640	1670	2830	2560	2710	2870	2640	2770
23	1120	990	1070	1730	1630	1680	2610	2420	2550	2830	2750	2790
24	1340	1020	1210	1750	1690	1720	2680	2520	2590	2770	2430	2650
25	1480	1300	1360	1770	1690	1740	2510	2440	2470	2530	2360	2440
26	1350	1210	1260	1860	1710	1770	2440	2310	2370	2520	2260	2380
27	1360	1240	1280	1910	1710	1820	2460	2340	2390	2460	2270	2370
28	1430	1280	1350	1770	1660	1700	2520	2380	2450	2480	2210	2360
29	1420	1230	1330	1850	1660	1750	2620	2530	2570	2890	2260	2530
30	1340	1250	1300	1740	1620	1690	2660	2430	2530	2700	2580	2620
31	1510	1320	1380	---	---	---	2500	2380	2430	2680	2430	2590
MONTH	---	---	1340	1910	1270	1530	2880	1440	2260	3030	2190	2620

TABLE 1.--Continued

11261100 SALT SLOUGH AT STATE HIGHWAY 165, NEAR STEVINSON, CA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C)

	FEBRUARY 1987			MARCH 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
1	2400	2170	2280	2680	2550	2630
2	2160	2070	2110	2540	2290	2420
3	2290	2140	2200	2810	2510	2620
4	2220	2160	2190	3000	2620	2800
5	2230	2100	2140	2820	2370	2570
6	2400	2130	2230	2320	1820	1960
7	2540	2210	2370	1820	1710	1780
8	2610	2310	2470	2020	1770	1870
9	2760	2490	2550	2210	2020	2130
10	2590	2430	2510	2350	2200	2270
11	2560	2300	2450	2520	2290	2390
12	2490	1900	2320	2700	2540	2620
13	2510	1980	2230	2610	2470	2540
14	2010	1640	1770	2480	2400	2440
15	2230	1530	1720	2480	2350	2410
16	2600	1820	2220	2340	2190	2260
17	2370	2280	2320	2410	2210	2290
18	2560	2250	2360	2470	2390	2430
19	3000	2570	2810	2460	2360	2400
20	2990	2760	2840	2450	2320	2370
21	2790	2630	2670	2460	2210	2310
22	2790	2590	2690	2240	2080	2140
23	2710	2500	2630	2200	2080	2150
24	2730	2410	2550	2140	2070	2120
25	2840	2740	2810	2180	2130	2160
26	3360	2820	3060	2270	2170	2210
27	3260	3010	3150	2220	2110	2160
28	3020	2620	2790	2240	2130	2190
29	---	---	---	2280	2090	2210
30	---	---	---	2330	2200	2280
31	---	---	---	2420	2220	2330
MONTH	3360	1530	2440	3000	1710	2310

WATER TEMPERATURE (DEG. C)

	OCTOBER 1985			NOVEMBER 1985			DECEMBER 1985			JANUARY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	21.5	19.0	20.0	16.0	13.5	14.5	11.5	11.0	11.5	12.5	11.5	12.0
2	22.0	19.0	21.0	16.5	14.0	15.0	12.0	11.0	11.5	13.5	12.0	13.0
3	23.0	19.5	21.5	16.5	14.5	15.5	13.5	11.5	12.5	14.0	12.5	13.5
4	23.5	20.5	22.0	17.0	15.5	16.0	13.0	12.0	12.5	14.0	13.0	13.5
5	24.0	20.0	22.0	16.0	14.5	15.5	13.5	12.0	12.5	15.5	13.5	14.5
6	23.0	20.5	21.5	15.5	13.5	14.5	12.5	11.5	12.0	14.0	13.0	13.5
7	21.0	19.0	20.5	15.5	13.5	14.5	12.5	11.5	12.0	13.0	12.0	12.5
8	19.0	19.0	17.5	15.5	13.5	14.5	12.0	10.5	11.0	12.0	11.0	11.5
9	16.0	15.0	15.5	14.5	12.5	13.5	11.0	9.5	10.5	11.5	11.0	11.5
10	17.0	14.0	15.0	12.5	11.0	11.5	9.5	8.5	9.0	11.0	10.5	11.0
11	17.5	14.0	15.5	11.0	10.0	10.5	8.5	7.0	7.5	10.5	10.0	10.0
12	18.0	15.5	16.5	10.5	9.0	10.0	8.0	6.5	7.0	10.0	9.5	10.0
13	17.5	15.5	16.5	10.5	8.5	9.5	8.0	5.5	7.0	10.5	9.5	10.0
14	17.5	14.5	16.0	11.0	8.5	9.5	8.0	6.5	7.0	10.0	9.5	9.5
15	17.5	14.5	16.0	11.0	8.5	10.0	8.0	7.0	7.5	12.0	9.5	10.5
16	18.0	15.0	16.5	11.0	10.0	10.5	8.0	7.0	7.5	13.0	11.5	12.0
17	18.5	15.5	17.0	12.0	10.5	11.0	8.0	7.0	7.5	15.0	12.5	14.0
18	18.5	16.0	17.0	11.5	10.0	10.5	7.5	7.0	7.5	14.5	14.0	14.5
19	18.0	15.5	17.0	10.5	8.0	9.5	7.5	7.0	7.0	15.0	14.0	14.5
20	16.5	15.5	16.0	10.0	9.0	9.5	7.5	7.0	7.0	15.0	13.0	14.0
21	16.0	15.0	16.0	11.0	9.0	10.5	7.0	2.0	2.5	13.5	12.0	12.5
22	16.0	14.5	15.0	11.0	9.0	10.0	3.0	1.0	2.5	12.0	10.5	11.5
23	15.5	14.5	15.0	11.0	10.0	10.5	3.0	1.5	2.5	13.0	10.5	11.5
24	17.0	15.0	16.0	11.0	10.5	11.0	3.5	1.0	2.5	13.0	10.5	11.5
25	18.5	17.0	17.5	12.0	11.0	11.5	3.5	1.0	2.0	13.0	10.0	11.5
26	18.5	16.5	17.5	12.0	10.5	11.5	3.5	0.5	2.0	13.5	10.0	12.0
27	18.5	16.5	17.5	13.0	12.0	12.5	2.5	1.0	1.5	13.0	10.5	12.0
28	18.5	16.5	17.5	13.0	12.5	12.5	4.5	1.5	2.5	13.5	11.5	12.5
29	17.5	15.5	16.5	13.0	11.5	12.0	8.5	4.0	6.0	12.5	12.0	12.5
30	16.5	15.0	16.0	12.0	11.0	11.5	11.0	8.5	9.5	15.0	12.0	13.5
31	15.5	14.5	15.0	---	---	---	11.5	10.5	11.0	14.0	12.5	13.5
MONTH	24.0	14.0	17.5	17.0	8.0	12.0	13.5	0.5	7.5	15.5	9.5	12.5

TABLE 1.--Continued

11261100 SALT SLOUGH AT STATE HIGHWAY 165, NEAR STEVINSON, CA--Continued

WATER TEMPERATURE (DEG. C)

	FEBRUARY 1986			MARCH 1986			APRIL 1986			MAY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	14.5	12.0	13.0	14.0	12.0	13.0	20.5	17.5	19.0	19.5	17.5	19.0
2	14.5	13.0	13.5	14.5	12.5	13.5	20.0	17.5	19.0	19.5	17.0	18.5
3	13.5	12.5	13.0	15.5	13.5	14.5	19.5	17.5	18.5	21.5	17.5	19.5
4	13.0	10.5	12.0	15.0	14.0	14.5	18.5	16.0	17.5	24.0	20.0	22.0
5	12.5	10.5	11.5	13.5	13.5	13.5	18.5	15.5	17.0	26.0	22.0	24.0
6	12.0	10.0	11.0	15.0	13.0	14.0	19.5	16.5	18.0	27.0	23.5	25.0
7	11.5	9.0	10.5	15.0	13.5	14.5	20.5	17.5	19.0	25.0	24.0	24.5
8	11.0	8.5	10.0	15.5	14.5	15.0	21.0	18.0	19.5	17.0	11.0	13.5
9	10.5	8.0	9.5	16.0	14.0	15.0	21.5	18.5	20.0	20.5	15.0	18.0
10	10.5	8.0	9.5	15.5	14.5	15.0	22.0	19.0	20.5	21.0	15.0	18.0
11	10.0	9.0	9.5	17.0	15.0	16.0	21.5	19.5	20.5	20.0	15.0	17.5
12	10.5	9.5	10.0	18.0	16.0	17.0	19.0	16.5	18.0	21.0	15.0	18.5
13	13.5	10.5	12.0	18.0	15.5	17.0	20.5	17.0	19.0	22.0	15.0	18.5
14	14.0	13.0	13.5	17.0	14.5	16.0	22.0	18.5	20.0	22.0	20.0	21.0
15	14.0	12.5	13.0	15.0	13.5	14.0	23.0	19.5	21.5	21.5	15.0	18.5
16	13.5	13.0	13.5	15.0	12.5	14.0	23.5	20.5	22.0	21.5	15.0	18.5
17	14.0	12.5	13.5	16.0	13.0	14.5	23.5	20.5	22.0	23.5	15.5	20.5
18	15.5	12.0	12.5	16.0	15.0	15.5	21.0	18.0	20.0	25.5	20.5	23.0
19	12.5	10.5	11.5	15.0	13.5	14.5	17.5	14.5	16.0	25.5	20.0	22.5
20	12.5	10.5	11.5	15.0	12.5	14.0	19.5	15.5	17.5	23.5	21.5	22.5
21	12.0	10.5	11.5	14.5	13.0	13.5	22.0	18.0	20.0	21.5	17.0	19.5
22	12.5	10.0	11.5	15.0	12.5	14.0	23.0	20.0	21.5	20.5	17.0	19.0
23	12.0	10.5	11.0	15.0	13.5	14.0	23.0	20.5	21.5	21.0	17.0	19.0
24	12.0	10.0	11.0	15.0	13.0	14.0	22.0	19.0	21.0	22.0	17.0	19.5
25	12.5	10.5	11.5	16.5	13.5	15.0	23.0	19.5	21.5	23.5	20.0	21.0
26	12.5	10.0	11.5	18.0	14.5	16.0	24.0	21.0	22.5	26.0	20.0	23.5
27	13.0	10.5	12.0	17.0	15.0	16.0	25.0	21.5	23.5	26.5	20.0	23.5
28	13.5	11.5	12.5	16.5	13.5	15.0	24.0	22.0	23.5	26.0	20.0	23.0
29	---	---	---	18.0	14.0	16.0	23.0	20.5	21.5	27.0	20.0	24.0
30	---	---	---	19.5	16.0	17.5	21.0	19.0	20.0	27.0	20.0	24.0
31	---	---	---	20.0	17.5	18.5	---	---	---	26.0	20.0	23.5
MONTH	15.5	8.0	11.5	20.0	12.0	15.0	25.0	14.5	20.0	27.0	11.0	20.5

	JUNE 1986			JULY 1986			AUGUST 1986			SEPTEMBER 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	25.5	20.0	23.0	28.0	24.0	26.0	28.0	25.0	26.5	25.5	22.5	24.0
2	25.5	20.0	23.0	28.5	25.0	26.5	28.0	25.0	26.5	26.0	23.5	24.5
3	23.0	20.0	21.0	28.0	25.0	26.5	28.0	25.0	26.5	26.5	24.0	25.5
4	25.0	20.5	22.0	26.0	23.5	24.5	28.5	25.5	27.0	26.5	24.0	25.5
5	23.0	20.0	21.5	25.5	22.0	24.0	29.0	26.0	27.5	27.0	23.5	25.5
6	23.0	20.0	21.5	25.5	22.0	24.0	28.5	25.0	27.0	26.5	24.0	25.5
7	23.0	20.0	21.5	25.0	22.0	23.5	27.5	24.0	26.0	26.0	23.5	24.5
8	23.0	20.0	21.5	26.5	23.0	24.5	27.5	24.0	26.0	24.5	22.5	23.5
9	25.0	20.0	21.5	27.0	23.5	25.5	27.0	24.0	26.0	22.5	20.0	21.5
10	27.0	20.0	24.0	26.0	23.5	25.0	27.0	24.0	26.0	22.5	19.5	21.0
11	26.5	20.0	24.0	27.5	24.0	26.0	27.0	24.5	26.0	23.5	20.0	21.5
12	26.0	20.0	23.0	28.5	25.0	26.5	27.5	24.5	26.0	22.0	20.0	21.0
13	26.0	20.0	23.5	27.5	24.0	25.5	27.5	24.5	26.0	21.0	18.5	19.5
14	25.5	20.0	22.5	28.0	24.0	26.0	27.0	23.5	25.5	21.0	18.5	19.5
15	25.5	20.0	23.0	26.5	23.5	25.0	26.0	23.0	24.5	21.5	18.5	20.0
16	25.0	20.0	22.0	24.0	21.0	22.5	25.0	16.5	22.5	22.0	19.5	20.5
17	25.5	20.0	22.5	23.5	20.5	22.0	26.0	14.5	21.0	21.0	19.0	20.0
18	24.0	20.0	22.5	23.5	20.0	22.0	25.5	14.5	22.5	21.0	18.0	19.5
19	23.5	20.5	22.0	25.0	21.0	23.0	25.5	23.5	24.5	21.0	18.5	20.0
20	24.5	20.5	22.5	27.0	22.5	24.5	25.5	24.0	24.5	20.5	18.0	19.5
21	26.0	21.5	23.5	28.0	24.5	26.5	26.0	23.0	24.5	21.0	18.0	19.5
22	27.5	23.5	25.5	26.0	24.0	24.5	25.5	23.5	24.5	21.0	18.5	19.5
23	28.0	25.0	26.5	25.0	22.5	24.0	26.0	22.5	24.0	20.0	18.5	19.5
24	28.0	25.0	26.5	25.5	23.0	24.0	25.0	23.0	24.0	18.5	17.5	18.0
25	28.0	25.0	26.5	24.5	21.5	23.0	26.0	23.0	24.5	18.5	16.5	17.5
26	27.5	25.0	26.0	25.0	21.5	23.5	25.5	23.0	24.5	19.0	17.0	18.0
27	27.5	23.5	25.5	26.0	22.5	24.0	26.5	23.5	25.0	18.5	17.5	18.0
28	26.5	23.5	25.0	25.5	22.5	24.0	26.0	23.5	25.0	---	---	18.0
29	26.0	23.0	24.5	25.5	22.5	24.0	26.0	23.0	24.5	---	---	18.5
30	26.5	23.0	25.0	26.5	23.0	25.0	25.5	23.0	24.5	---	---	19.0
31	---	---	---	28.0	24.5	26.0	25.5	22.5	24.0	---	---	---
MONTH	28.0	20.0	23.5	28.5	20.0	24.5	29.0	14.5	25.0	---	---	21.0

TABLE 1.--Continued

11261100 SALT SLOUGH AT STATE HIGHWAY 165, NEAR STEVINSON, CA--Continued

WATER TEMPERATURE (DEG. C)

	OCTOBER 1986			NOVEMBER 1986			DECEMBER 1986			JANUARY 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	19.0	16.0	14.5	15.0	10.5	8.5	9.5	9.5	8.5	9.0
2	---	---	18.0	15.5	14.0	15.0	10.0	8.5	9.5	9.5	9.0	9.5
3	---	---	17.5	15.5	14.0	14.5	10.0	8.5	9.5	10.0	9.5	9.5
4	---	---	18.0	15.5	14.0	14.5	10.0	9.5	9.5	11.5	9.5	10.5
5	---	---	19.0	15.5	14.0	14.5	10.5	10.0	10.0	11.5	10.0	10.5
6	---	---	19.5	15.0	12.5	13.5	11.0	10.5	10.5	10.0	9.5	10.0
7	---	---	20.0	12.5	11.0	12.0	11.0	9.5	10.5	10.5	9.0	9.5
8	---	---	21.0	13.0	11.0	12.0	10.5	9.5	10.0	9.0	8.0	8.5
9	23.0	19.5	21.5	13.0	11.0	12.0	10.0	9.0	9.5	8.5	8.0	8.5
10	22.5	19.5	21.0	13.5	11.5	12.0	10.0	9.5	9.5	8.5	8.0	8.0
11	20.5	18.5	19.5	13.5	11.5	12.5	9.5	8.5	9.0	8.5	8.0	8.0
12	20.0	17.5	18.5	13.5	12.0	12.5	8.5	8.0	8.5	8.0	7.0	7.5
13	20.0	17.5	18.5	14.0	12.0	13.0	9.0	8.0	8.5	5.5	4.0	4.5
14	20.0	17.5	19.0	13.5	12.0	13.0	9.0	8.5	9.0	6.5	4.5	5.5
15	20.5	18.0	19.5	14.0	12.5	13.0	9.0	8.5	9.0	7.5	5.0	6.0
16	19.5	18.0	18.5	13.5	12.0	12.5	10.0	8.0	9.0	6.5	5.5	6.0
17	18.5	17.0	17.5	13.5	12.0	12.5	10.0	8.0	9.0	5.5	5.5	5.5
18	18.0	16.0	17.0	13.5	12.5	13.0	10.0	9.0	9.5	6.0	5.5	5.5
19	18.0	15.5	16.5	14.5	13.0	14.0	11.0	10.0	10.5	6.0	6.0	6.0
20	18.0	15.5	17.0	15.5	14.0	14.5	11.5	10.0	11.0	6.0	6.0	6.0
21	18.5	16.0	17.0	15.0	13.0	14.0	10.5	10.0	10.0	7.5	6.0	6.5
22	18.5	17.0	17.5	14.0	12.0	13.0	10.5	10.0	10.0	7.5	6.5	7.0
23	18.0	17.0	17.5	13.5	12.0	13.0	11.5	10.0	10.5	9.5	7.5	8.0
24	18.5	16.5	17.5	13.0	11.5	12.5	10.5	9.5	10.0	10.0	9.0	9.0
25	19.0	17.0	18.0	12.5	11.0	12.0	10.5	9.5	10.0	11.5	9.5	10.0
26	19.5	17.5	18.5	12.0	11.0	11.5	9.5	9.0	9.0	12.0	10.0	11.0
27	20.0	18.0	19.0	11.5	10.5	11.0	9.0	9.0	9.0	12.0	11.5	11.5
28	19.0	18.5	18.5	11.0	10.0	10.5	9.0	8.5	9.0	12.0	11.0	11.5
29	19.0	17.5	18.5	11.5	10.0	10.5	9.0	8.5	8.5	12.0	10.5	11.5
30	18.5	17.0	17.5	10.5	9.5	10.0	8.5	8.0	8.5	12.0	11.0	11.5
31	17.0	15.0	16.0	---	---	---	9.0	8.0	8.5	12.0	10.0	11.0
MONTH	---	---	18.5	16.0	9.5	13.0	11.5	8.0	9.5	12.0	4.0	8.5

	FEBRUARY 1987			MARCH 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
1	11.5	10.0	11.0	14.0	12.0	13.0
2	11.0	10.5	10.5	14.5	12.5	13.5
3	12.0	10.5	11.0	15.5	13.5	14.5
4	12.5	10.5	11.5	15.0	14.0	14.5
5	13.0	11.0	12.0	13.5	13.5	13.5
6	13.5	11.5	12.5	15.0	13.0	14.0
7	14.0	12.0	13.0	15.0	13.5	14.5
8	14.5	13.0	13.5	15.5	14.5	15.0
9	14.5	14.0	14.0	16.0	14.0	15.0
10	16.0	14.0	15.0	15.5	14.5	15.0
11	16.5	15.0	15.5	17.0	15.0	16.0
12	15.5	14.0	15.0	18.0	16.0	17.0
13	15.5	14.0	14.5	18.0	15.5	17.0
14	14.0	13.0	13.5	17.0	14.5	16.0
15	14.5	13.0	13.5	15.0	13.5	14.0
16	14.0	12.0	13.0	15.0	12.5	14.0
17	13.5	11.5	12.5	16.0	13.0	14.5
18	13.0	12.0	12.5	16.0	15.0	15.5
19	12.5	10.5	11.5	15.0	13.5	14.5
20	12.5	10.5	11.5	15.0	12.5	14.0
21	12.0	10.5	11.5	14.5	13.0	13.5
22	12.5	10.0	11.5	15.0	12.5	14.0
23	12.0	10.5	11.0	15.0	13.5	14.0
24	12.0	10.0	11.0	15.0	13.0	14.0
25	12.5	10.5	11.5	16.5	13.5	15.0
26	12.5	10.0	11.5	18.0	14.5	16.0
27	13.0	10.5	12.0	17.0	15.0	16.0
28	13.5	11.5	12.5	16.5	13.5	15.0
29	---	---	---	18.0	14.0	16.0
30	---	---	---	19.5	16.0	17.5
31	---	---	---	20.0	17.5	18.5
MONTH	16.5	10.0	12.5	20.0	12.0	15.0

TABLE 1.--Continued

11261500 SAN JOAQUIN RIVER AT FREMONT FORD BRIDGE, CA

LOCATION.--Lat 37°18'35", long 120°55'47", in NW 1/4 SE 1/4 sec. 24, T.7 S., R.9 E., Merced County, Hydrologic Unit 18040001, on left bank 20 ft upstream from Fremont Ford bridge, 2.1 mi downstream from Salt Slough, 4.5 mi west of Stevinson, and 6.7 mi upstream from Merced River, on State Highway 140.
DRAINAGE AREA.--7,615 mi^2.
PERIOD OF RECORD.--June 1985 to March 1987.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1985 to March 1987.
WATER TEMPERATURE: October 1985 to March 1987.
INSTRUMENTATION.--Minimonitor recorder since October 1985.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 7,100 microsiemens, Dec. 14, 1986; minimum daily, 50 microsiemens, Apr. 5, 1986.
WATER TEMPERATURE: Maximum recorded, 30.5°C, July 2, 1986; minimum recorded, 2.5°C, Jan. 16, 17, 1987.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L AS CACO3)	CALCIUM, DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
JUN 1985												
12...	1500	210	1720	7.9	29.0	757	7.1	360	200	81	38	210
25...	1430	200	1230	8.1	24.5	758	8.1	360	210	88	35	200
JUL												
17...	1630	200	1660	8.1	28.5	757	9.5	370	220	87	37	220
AUG												
01...	0830	380	1280	7.9	21.5	761	6.3	290	160	70	28	160
15...	1330	260	1170	8.1	24.5	757	8.0	260	130	61	27	150
28...	1330	350	1070	7.8	25.0	761	6.9	220	84	51	23	120
SEP												
11...	1530	278	915	8.2	22.0	762	8.4	200	70	47	21	110
26...	0830	402	588	7.7	22.0	760	6.6	130	28	29	14	70
OCT												
10...	1130	221	985	8.0	15.0	760	9.3	200	57	44	23	120
23...	1445	328	1320	7.9	17.0	762	9.0	280	130	62	31	170
NOV												
07...	1215	172	1830	8.1	15.0	760	8.7	380	200	83	42	250
20...	0845	128	2190	8.1	9.0	768	10.6	530	290	100	68	320
DEC												
04...	1515	428	1400	7.9	13.0	765	9.2	310	130	68	33	180
18...	1345	161	1870	8.0	6.5	769	11.7	450	220	93	52	290
JAN 1986												
08...	1300	233	2050	8.0	11.5	771	9.2	450	270	100	49	300
23...	1530	286	1960	8.0	13.0	765	10.2	430	250	96	47	260
FEB												
05...	1430	465	1220	7.9	13.0	764	9.4	280	150	65	29	150
20...	0800	10800	152	7.4	13.0	765	7.4	42	0	11	3.5	11
26...	1400	9660	138	7.5	18.5	761	6.2	43	1	11	3.8	14
MAR												
06...	0930	4230	190	7.5	16.5	765	8.8	57	14	14	5.3	26
19...	0930	17400	92	7.6	12.5	768	9.3	34	0	8.8	2.9	7.6
APR												
02...	1415	10800	83	7.3	15.5	762	9.8	25	0	6.7	1.9	6.6
16...	0930	8450	75	7.4	15.0	765	9.2	23	0	6.3	1.7	5.9
MAY												
07...	1100	1720	653	7.8	16.5	764	8.6	140	68	36	13	71
JUN												
04...	0800	1180	431	7.7	23.0	760	7.1	93	27	22	9.2	42
18...	0945	962	493	7.4	23.0	765	7.4	120	34	28	11	55
JUL												
16...	1015	396	1050	7.9	23.5	760	7.3	240	84	55	24	130
AUG												
27...	1130	593	1050	7.9	25.5	760	6.8	260	130	63	24	130
SEP												
25...	1030	658	524	7.8	17.5	760	8.8	120	33	28	13	60
OCT												
22...	1315	548	532	7.9	17.5	760	9.0	130	37	29	13	60
NOV												
19...	1415	239	1460	8.0	14.0	760	9.9	310	160	71	33	190
DEC												
15...	1515	216	2410	8.1	9.0	760	11.0	440	250	100	46	270
JAN 1987												
21...	1430	268	2130	8.1	6.0	770	13.1	480	300	110	51	280
FEB												
18...	1445	532	1520	8.1	13.0	765	9.4	380	220	90	37	200
MAR												
24...	1100	586	1860	8.0	13.5	760	9.5	420	250	98	43	230

TABLE 1.--Continued

11261500 SAN JOAQUIN RIVER AT FREMONT FORD BRIDGE, CA--Continued

WATER QUALITY DATA

DATE	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, CARBONATE IT-FLD (MG/L AS CACO3)	SULFATE, DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3, DISSOLVED (MG/L AS N)
JUN 1985												
12...	56	5	4.8	159	280	270	0.3	17	1040	1.4	590	2.3
25...	54	5	4.2	153	270	230	0.3	21	956	1.3	516	4.0
JUL												
17...	56	5	4.7	153	300	250	0.3	22	1030	1.4	556	2.8
AUG												
01...	54	4	4.2	126	230	190	0.2	20	795	1.1	816	2.5
15...	55	4	3.6	136	180	180	0.3	19	702	0.95	493	1.7
28...	54	4	3.9	138	140	160	0.3	19	597	0.81	564	1.4
SEP												
11...	53	3	3.7	134	130	130	0.2	19	537	0.73	403	1.1
26...	53	3	3.2	102	62	82	0.2	16	340	0.46	369	0.50
OCT												
10...	55	4	4.0	148	120	160	0.2	19	575	0.78	343	1.0
23...	56	5	5.0	153	240	200	0.2	16	814	1.1	721	1.6
NOV												
07...	59	6	4.5	184	340	300	0.3	18	1160	1.6	539	2.2
20...	56	6	7.9	243	400	380	0.3	18	1440	2.0	498	1.9
DEC												
04...	56	5	6.1	180	250	210	0.2	17	869	1.2	1000	1.3
18...	58	6	5.3	226	340	360	0.3	18	1290	1.8	561	1.4
JAN 1986												
08...	59	6	5.9	184	470	360	0.2	13	1440	2.0	906	2.8
23...	56	6	5.2	182	380	280	0.2	16	1260	1.7	973	3.0
FEB												
05...	53	4	4.3	134	270	170	0.2	15	788	1.1	989	3.7
20...	35	0.8	2.7	45	12	9.2	<0.1	15	91	0.12	2650	0.30
26...	40	1	2.4	42	15	9.9	<0.1	14	100	0.14	2610	0.25
MAR												
06...	49	2	2.0	43	34	19	<0.1	12	141	0.19	1610	0.36
19...	31	0.6	2.1	41	10	4.6	<0.1	14	79	0.11	3710	0.10
APR												
02...	35	0.6	1.4	25	12	7.1	<0.1	11	67	0.09	1950	<0.10
16...	35	0.6	1.1	28	6.7	4.3	<0.1	11	49	0.07	1120	<0.10
MAY												
07...	51	3	2.6	75	120	90	0.1	14	386	0.52	1790	1.5
JUN												
04...	49	2	2.4	66	52	45	0.1	13	231	0.31	736	0.39
18...	50	2	2.5	81	73	--	0.2	15	334	--	--	0.63
JUL												
16...	54	4	4.1	152	180	160	0.2	19	660	0.90	706	1.3
AUG												
27...	52	4	3.8	128	190	130	0.2	17	679	0.92	1090	2.5
SEP												
25...	51	2	2.7	90	74	64	0.1	14	348	0.47	618	0.77
OCT												
22...	50	2	2.7	89	82	64	0.1	14	400	0.54	592	0.79
NOV												
19...	57	5	3.7	157	300	220	0.2	16	965	1.3	623	2.4
DEC												
15...	57	6	3.4	190	430	290	0.2	18	1330	1.8	776	3.5
JAN 1987												
21...	55	6	4.4	189	500	310	0.2	17	1450	2.0	1050	4.2
FEB												
18...	53	5	5.6	154	410	220	0.2	18	1020	1.4	1470	4.0
MAR												
24...	54	5	4.2	167	400	270	0.3	19	1180	1.6	1870	4.5

TABLE 1.--Continued

11261500 SAN JOAQUIN RIVER AT FREMONT FORD BRIDGE, CA--Continued

WATER QUALITY DATA

DATE	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	NITROGEN, AMMONIA + ORGANIC, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP., SIEVE DIAM. % FINER THAN 0.062 MM	CHLOR-A PHYTOPLANKTON, CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON, CHROMO FLUOROM (UG/L)	CARBON, ORGANIC, TOTAL (MG/L AS C
JUN 1985												
12...	0.18	0.23	1.4	0.40	0.18	0.16	163	92	99	--	--	--
25...	0.12	0.15	1.6	0.38	0.19	0.17	163	88	99	7.7	<0.10	--
JUL												
17...	0.05	0.06	0.80	0.33	0.19	0.14	136	73	98	15	<0.10	--
AUG												
01...	0.13	0.17	1.6	0.46	0.19	0.14	208	213	96	9.9	<0.10	--
15...	0.07	0.09	1.2	0.20	0.14	0.10	160	112	93	24	<0.10	--
28...	0.07	0.09	0.90	0.25	0.15	0.11	168	159	98	21	<0.10	--
SEP												
11...	0.05	0.06	1.0	0.24	0.14	0.13	135	101	91	19	<0.10	--
26...	0.09	0.12	0.90	0.36	0.16	0.13	131	142	85	13	<0.10	--
OCT												
10...	0.06	0.08	1.0	0.30	0.18	0.18	77	46	97	11	1.2	--
23...	0.07	0.09	1.4	0.34	0.15	0.12	148	131	93	12	1.1	--
NOV												
07...	0.09	0.12	1.3	0.19	0.10	0.09	47	22	98	5.2	1.0	--
20...	0.14	0.18	0.90	0.17	0.07	0.06	27	9.3	89	7.9	0.60	--
DEC												
04...	0.36	0.46	1.6	0.44	0.23	0.24	114	132	94	17	1.8	--
18...	0.34	0.44	1.2	0.29	0.19	0.14	25	11	93	5.0	0.60	7.2
JAN 1986												
08...	0.28	0.36	1.2	0.25	0.12	0.11	58	36	97	10	1.2	7.3
23...	0.22	0.28	1.1	0.29	0.17	0.15	56	43	96	5.0	0.50	7.1
FEB												
05...	0.15	0.19	1.0	0.25	0.15	0.14	77	97	93	8.8	0.60	14
20...	0.07	0.09	0.90	0.25	0.13	0.11	129	3760	94	2.4	0.40	12
26...	0.09	0.12	0.60	0.23	0.12	0.11	66	1720	88	--	--	9.9
MAR												
06...	0.04	0.05	0.70	0.25	0.09	0.08	--	--	--	5.9	0.70	6.9
19...	0.03	0.04	1.2	0.18	0.09	0.08	76	3570	97	5.7	0.70	7.9
APR												
02...	0.03	0.04	0.50	0.10	0.05	0.04	52	1520	89	--	--	5.5
16...	0.04	0.05	0.30	0.08	0.04	0.04	46	1050	91	3.1	0.60	4.1
MAY												
07...	0.06	0.08	0.80	0.22	0.10	0.10	115	534	82	7.7	0.70	9.6
JUN												
04...	0.05	0.06	0.80	0.26	0.12	0.11	134	427	78	15	1.7	6.4
18...	0.04	0.05	0.80	0.29	0.13	0.11	132	343	96	25	2.4	7.0
JUL												
16...	0.07	0.09	1.4	0.37	0.17	0.16	191	204	96	26	2.1	9.3
AUG												
27...	0.06	0.08	1.4	0.34	0.16	0.11	143	229	98	17	1.8	8.7
SEP												
25...	0.04	0.05	0.70	0.26	0.13	0.11	93	165	95	5.7	0.30	7.4
OCT												
22...	0.03	0.04	1.0	0.09	0.08	0.08	--	--	--	5.6	0.40	5.4
NOV												
19...	0.06	0.08	1.2	0.21	0.11	0.09	87	56	93	9.4	0.60	5.3
DEC												
15...	0.11	0.14	1.9	0.11	0.07	0.06	36	21	93	7.8	0.70	6.3
JAN 1987												
21...	0.22	0.28	2.1	0.25	0.14	0.13	--	--	--	9.0	0.40	7.6
FEB												
18...	0.25	0.32	2.0	0.42	0.25	0.24	155	223	98	9.6	1.2	9.6
MAR												
24...	0.06	0.08	0.40	0.31	0.16	0.14	155	245	98	18	1.6	7.9

TABLE 1.--Continued

11261500 SAN JOAQUIN RIVER AT FREMONT FORD BRIDGE, CA--Continued

WATER QUALITY DATA

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC, TOTAL (UG/L AS AS)	ARSENIC, DISSOLVED (UG/L AS AS)	BORON, TOTAL RECOVERABLE (UG/L AS B)	BORON, DISSOLVED (UG/L AS B)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)
JUN 1985											
12...	4000	--	3	4	1100	1100	13	8	4	6000	7
25...	3700	--	6	4	1200	1200	11	7	4	5500	97
JUL											
17...	3400	10	6	5	870	750	8	7	3	4600	7
AUG											
01...	6800	20	7	5	1200	1100	31	8	2	8300	14
15...	4400	40	5	4	790	810	10	5	2	6100	--
28...	4900	30	6	5	630	610	16	10	2	6400	27
SEP											
11...	3000	20	5	4	690	560	13	10	2	4700	18
26...	3100	30	4	3	230	210	13	7	2	4200	26
OCT											
10...	1700	30	5	4	440	450	10	6	2	2700	26
23...	4400	<10	5	4	1200	1200	13	6	2	5700	11
NOV											
07...	1200	<10	4	3	1300	1300	8	4	2	1800	41
20...	670	<10	4	2	1700	1600	10	4	2	1200	30
DEC											
04...	2200	<10	4	3	1100	1200	16	9	4	3800	34
18...	750	<10	3	2	1200	1200	14	4	<1	1300	30
JAN 1986											
08...	1400	<10	4	2	1700	1800	36	5	1	2300	<10
23...	1300	<10	4	3	1600	1600	21	5	2	2200	<3
FEB											
05...	2000	<10	3	2	1100	1100	9	4	3	2900	10
20...	5300	550	3	2	40	50	17	8	2	6300	330
26...	3200	270	3	2	80	70	19	6	2	3500	160
MAR											
06...	5000	140	3	2	190	160	10	5	1	5700	92
19...	2400	200	2	2	30	40	12	7	1	3500	160
APR											
02...	1600	20	2	1	50	30	7	4	<1	2100	30
16...	1100	80	2	1	20	30	7	6	<1	1600	170
MAY											
07...	2400	20	3	2	--	510	9	8	2	3500	29
JUN											
04...	2900	30	4	3	180	170	8	9	3	4200	37
18...	2300	30	4	3	340	330	15	7	<1	3800	32
JUL											
16...	4800	<10	6	4	720	750	16	9	2	6600	15
AUG											
27...	2200	<10	5	4	970	950	3	10	3	4100	20
SEP											
25...	2100	20	4	2	330	310	4	8	1	3300	36
OCT											
22...	4400	<10	3	1	290	320	<1	--	<1	5800	14
NOV											
19...	2700	<10	4	2	1200	1200	<1	13	1	3800	11
DEC											
15...	860	<10	3	2	1600	1600	<1	5	<1	1500	10
JAN 1987											
21...	920	<10	3	2	2100	2100	<1	6	2	3900	<10
FEB											
18...	2900	20	4	3	1600	1600	6	12	2	4200	30
MAR											
24...	1800	<10	4	3	1500	1500	3	7	2	3100	10

TABLE 1.--Continued

11261500 SAN JOAQUIN RIVER AT FREMONT FORD BRIDGE, CA--Continued

WATER QUALITY DATA

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
JUN 1985											
12...	2	490	220	--	9	21	4	6	6	20	5
25...	2	--	--	12	8	16	2	6	6	30	10
JUL											
17...	2	260	64	12	11	13	3	8	--	30	6
AUG											
01...	2	340	45	5	8	13	2	6	5	60	5
15...	3	270	--	4	12	10	3	<1	<1	30	--
28...	2	260	20	3	5	11	2	3	3	30	8
SEP											
11...	<1	230	31	5	1	7	<1	3	3	20	9
26...	8	200	30	3	9	18	5	<1	<1	40	9
OCT											
10...	6	190	55	4	6	4	3	1	1	20	<3
23...	1	260	47	7	7	35	2	6	6	40	7
NOV											
07...	<1	270	170	5	8	9	<1	6	6	<10	5
20...	1	590	520	8	--	5	3	6	6	<10	<10
DEC											
04...	<1	320	150	5	3	5	2	3	4	20	11
18...	<1	710	690	1	5	7	2	2	3	20	10
JAN 1986											
08...	3	570	440	11	--	11	1	11	11	20	10
23...	<1	420	310	7	9	9	1	8	7	20	8
FEB											
05...	<1	290	170	4	5	6	3	7	8	20	<3
20...	15	160	37	<1	<2	7	<1	<1	<1	40	12
26...	<1	90	20	<1	2	<1	2	<1	<1	30	7
MAR											
06...	2	170	38	1	<2	8	1	<1	<1	20	6
19...	1	110	11	1	1	7	<1	1	1	20	<3
APR											
02...	3	70	17	2	2	<1	<1	<1	<1	30	<3
16...	2	60	19	1	6	6	<1	<1	<1	20	6
MAY											
07...	4	280	150	2	3	6	2	5	5	20	5
JUN											
04...	1	280	88	4	3	23	6	<1	<1	20	17
18...	<5	280	80	2	3	9	3	1	1	20	<3
JUL											
16...	<5	400	120	6	7	12	4	1	1	30	8
AUG											
27...	<5	240	30	6	6	15	10	6	6	20	20
SEP											
25...	<5	140	18	7	3	6	2	2	2	10	6
OCT											
22...	<5	220	20	24	5	18	1	2	2	170	<3
NOV											
19...	13	340	140	10	10	7	2	7	7	20	4
DEC											
15...	<5	410	300	12	10	2	<1	12	14	10	<12
JAN 1987											
21...	<5	790	340	10	10	5	4	12	12	10	<10
FEB											
18...	<5	290	120	9	5	8	3	8	8	<10	<10
MAR											
24...	<5	290	140	7	9	10	3	9	9	30	6

TABLE 1.--Continued

11261500 SAN JOAQUIN RIVER AT FREMONT FORD BRIDGE, CA--Continued

WATER QUALITY DATA

DATE	TIME	DI-CHLORO-BROMO-METHANE, TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE, TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE, TOTAL (UG/L)	BROMO-FORM, TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE, TOTAL (UG/L)	CHLORO-FORM, TOTAL (UG/L)	TOLUENE, TOTAL (UG/L)	BENZENE, TOTAL (UG/L)	CHLORO-BENZENE, TOTAL (UG/L)	CHLORO-ETHANE, TOTAL (UG/L)
SEP 1985 26...	0830	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

DATE	ETHYL-BENZENE, TOTAL (UG/L)	METHYL-BROMIDE, TOTAL (UG/L)	METHYL-ENE CHLO-RIDE, TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE, TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE, TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE, TOTAL (UG/L)	1,1-DI-CHLORO-ETHYL-ENE, TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE, TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE, TOTAL (UG/L)	1,1,2,2 TETRA-CHLORO-ETHANE, TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE, TOTAL (UG/L)
SEP 1985 26...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

DATE	1,2-TRANSDI CHLORO-ETHYL-ENE, TOTAL (UG/L)	1,3-DI-CHLORO-PROPANE, TOTAL (UG/L)	2-CHLORO-ETHYL-VINYL-ETHER, TOTAL (UG/L)	DI-CHLORO-DI-FLUORO-METHANE, TOTAL (UG/L)	PRO-PAZINE, TOTAL (UG/L)	METHO-MYL, TOTAL (UG/L)	PROPHAM, TOTAL (UG/L)	SIME-TRYNE, TOTAL (UG/L)	SIMA-ZINE, TOTAL (UG/L)	PROME-TONE, TOTAL (UG/L)
SEP 1985 26...	<3.0	<3.0	<3.0	<3.0	<0.10	<2.0	<2.0	<0.1	<0.10	<0.1

DATE	PROME-TRYNE, TOTAL (UG/L)	VINYL CHLO-RIDE, TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	ATRA-ZINE, TOTAL (UG/L)	PICLO-RAM (TOR-DON) (AMDON), TOTAL (UG/L)
SEP 1985 26...	<0.1	<3.0	<3.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.10	<0.01

DATE	2,4-D, TOTAL (UG/L)	2,4,5-T, TOTAL (UG/L)	SEVIN, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	CYAN-AZINE, TOTAL (UG/L)	DICAMBA (MED-IBEN) (BAN-VEL D), TOTAL (UG/L)	2,4-DP, TOTAL (UG/L)	AME-TRYNE, TOTAL (UG/L)
SEP 1985 26...	<0.01	<0.01	<2.0	<0.01	<0.01	<0.01	<0.10	0.05	<0.01	<0.10

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	LINDANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT 1985 11...	1100	1180	7.8	15.0	760	9.5	<1.0	<0.1	<0.1	<1.0	0.3	0.7

DATE	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE, TOT. IN BOTTOM MATL. (UG/KG)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT 1985 11...	<0.1	<0.1	<0.1	<0.1	<10	<0.1	<0.1	<0.1	<1	<0.1	<1.0

TABLE 1.--Continued

11261500 SAN JOAQUIN RIVER AT FREMONT FORD BRIDGE, CA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C)

	OCTOBER 1985			NOVEMBER 1985			DECEMBER 1985			JANUARY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	573	478	511	---	---	1720	---	---	1400	---	---	1880
2	492	475	481	---	---	1760	---	---	1400	---	---	1900
3	665	493	567	---	---	1830	---	---	1500	---	---	1910
4	716	622	668	---	---	1840	---	---	1400	---	---	1960
5	755	719	730	---	---	1830	1410	1340	1360	---	---	2020
6	884	675	822	---	---	1820	1490	1410	1420	---	---	2050
7	988	427	562	---	1830	1830	---	---	1480	---	---	2060
8	992	840	900	1860	1800	1830	---	---	1510	2080	2030	2050
9	918	830	858	1870	1720	1790	---	---	1610	2090	2060	2070
10	946	868	900	---	---	1750	---	---	1660	2170	2090	2130
11	983	836	932	1870	1680	1780	---	---	1700	2100	1950	2030
12	830	791	806	---	---	1750	---	---	1790	2040	1960	2000
13	884	831	852	---	---	1590	---	---	1800	2000	1700	1870
14	890	869	881	---	---	1750	---	---	1820	1680	1480	1570
15	904	871	883	---	---	2080	---	---	1830	1620	1500	1550
16	907	726	794	---	---	2070	---	---	1860	1710	1620	1650
17	842	760	802	---	---	2020	---	---	1870	1930	1710	1800
18	948	846	884	---	---	2050	---	---	1870	1990	1910	1950
19	936	851	884	---	---	1970	---	---	2030	1890	1790	1820
20	969	---	943	---	---	2190	---	---	1930	1780	1680	1730
21	1010	934	970	---	---	2180	---	---	1930	1830	1770	1800
22	997	1000	984	---	---	2160	---	---	1840	1790	1630	1710
23	---	---	1320	---	---	2140	---	---	1820	1610	1560	1580
24	---	---	1320	---	---	2120	---	---	1820	1580	1530	1560
25	---	---	1320	---	---	2100	---	---	1820	1610	1420	1530
26	---	---	1400	---	---	2000	---	---	1810	1420	1210	1310
27	---	---	1520	---	---	1900	---	---	1810	1240	1230	1230
28	---	---	1580	---	---	1800	---	---	1810	1260	1220	1240
29	---	---	1600	---	---	1700	---	---	1810	1240	1390	1220
30	---	---	1700	---	---	1600	---	---	1830	1380	1210	1270
31	---	---	1710	---	---	---	---	---	1860	1590	1410	1500
MONTH	---	---	1000	---	---	1900	---	---	1720	---	---	1740

	FEBRUARY 1986			MARCH 1986			APRIL 1986			MAY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	1710	1620	1670	---	---	190	---	---	80	270	250	255
2	1710	1510	1650	---	---	190	---	---	83	280	240	264
3	1520	1410	1470	---	---	190	---	---	80	390	230	305
4	1500	1310	1400	---	---	180	70	60	61	480	400	438
5	1500	1200	1300	---	---	180	60	50	59	550	480	527
6	1500	1300	1400	---	---	190	90	60	70	580	540	560
7	1670	1490	1580	---	---	180	80	80	80	---	---	630
8	1820	1660	1760	---	---	180	80	70	76	---	---	566
9	1900	1800	1860	---	---	150	80	70	75	540	520	529
10	1840	1800	1820	---	---	100	80	60	64	550	490	529
11	1850	1820	1840	---	---	80	80	60	70	490	380	426
12	1930	1860	1900	---	---	80	90	70	80	380	350	365
13	1940	1700	1880	---	---	80	80	70	78	360	350	355
14	1640	780	1150	---	---	80	80	70	75	390	350	370
15	820	760	790	---	---	80	80	70	71	480	380	428
16	760	640	707	---	---	80	80	70	72	680	490	584
17	630	200	418	---	---	80	90	70	80	780	690	735
18	270	170	213	---	---	80	90	80	83	980	790	900
19	160	120	140	---	---	90	100	80	89	1070	970	1010
20	140	130	150	---	---	100	120	90	109	1080	1040	1060
21	---	---	140	---	---	100	140	110	128	1110	1030	1070
22	---	---	120	---	---	100	150	130	140	1130	1040	1080
23	---	---	120	---	---	90	170	140	156	1100	1040	1070
24	---	---	120	---	---	85	180	140	158	1150	1040	1100
25	---	---	120	---	---	85	240	170	192	1080	1030	1060
26	---	---	140	---	---	80	250	220	237	1020	950	978
27	---	---	160	---	---	80	260	220	242	1010	630	824
28	---	---	190	---	---	80	260	240	251	620	580	603
29	---	---	---	---	---	80	310	240	270	590	530	563
30	---	---	---	---	---	80	310	270	295	550	520	531
31	---	---	---	---	---	80	---	---	---	520	470	502
MONTH	---	---	936			113	---	---	120	---	---	652

TABLE 1.--Continued

11261500 SAN JOAQUIN RIVER AT FREMONT FORD BRIDGE, CA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C)

	JUNE 1986			JULY 1986			AUGUST 1986			SEPTEMBER 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	500	470	483	1220	1170	1200	---	---	1080	990	950	971
2	490	430	468	1450	1220	1310	---	---	990	980	930	958
3	440	430	433	1590	1450	1520	---	---	1040	950	900	923
4	430	360	408	1810	1480	1670	---	---	1000	920	780	828
5	357	307	342	1480	1410	1430	---	---	980	850	790	817
6	364	294	333	1510	1440	1490	970	950	959	810	780	795
7	360	310	340	1430	1390	1410	1070	960	1020	820	770	804
8	317	227	265	1380	1270	1300	1130	1040	1090	780	720	743
9	234	184	210	1410	1280	1360	1070	1040	1050	730	710	718
10	180	130	157	1430	1370	1400	1080	1050	1070	840	740	793
11	207	127	170	1480	1380	1430	1110	970	1060	830	720	789
12	214	164	189	---	1250	1300	980	870	934	730	710	719
13	240	160	200	---	---	1100	980	860	902	710	670	697
14	377	247	316	---	---	1050	1140	1000	1090	690	660	680
15	554	384	473	---	---	1000	1160	1110	1130	670	630	645
16	590	550	577	---	---	1050	1210	1120	1180	620	550	570
17	587	507	536	---	---	1020	1180	1090	1140	550	510	536
18	493	483	490	---	---	1010	1090	1000	1050	580	500	532
19	730	630	656	---	---	970	1010	920	970	570	530	555
20	790	690	739	---	---	950	1030	920	983	550	530	540
21	920	800	880	---	---	990	1110	1010	1060	550	490	516
22	1050	920	988	---	---	950	1080	1020	1070	590	540	573
23	1060	940	1020	---	---	910	1120	1080	1100	570	530	556
24	940	780	900	---	---	850	1110	1020	1070	550	530	540
25	790	760	773	---	---	890	1030	970	1010	540	500	524
26	940	780	860	---	---	920	1040	970	994	560	510	532
27	1220	950	1110	---	---	860	1090	1040	1050	570	530	548
28	1220	1200	1210	---	---	850	1120	1040	1080	560	530	545
29	1190	1110	1140	---	---	1020	1050	970	1010	530	510	520
30	1240	1140	1210	---	---	1020	1040	980	1010	530	460	490
31	---	---	---	---	---	980	1070	990	1040	---	---	---
MONTH	1240	127	596	---	---	1140	---	---	1040	990	460	665

	OCTOBER 1986			NOVEMBER 1986			DECEMBER 1986			JANUARY 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	500	480	488	1300	1240	1270	1960	1890	1940	2380	2340	2360
2	510	480	491	1240	1200	1220	3620	1680	1910	2380	2300	2330
3	520	480	501	1210	1190	1200	3100	1740	1820	2350	2190	2240
4	600	500	559	1210	1160	1180	5420	1880	2110	2410	2340	2370
5	560	500	537	1270	1190	1230	5240	2050	2670	2400	2190	2270
6	610	510	540	1310	1250	1270	2370	2130	2180	2330	2190	2250
7	650	580	612	1360	1310	1340	6460	2180	3200	2330	2210	2290
8	660	600	628	1450	1350	1400	3570	2180	2310	2330	2210	2250
9	690	650	667	1390	1310	1350	6310	2200	2440	2350	2320	2330
10	970	700	826	1370	1330	1350	5920	2160	2490	2370	2320	2340
11	980	720	816	1380	1330	1350	3630	2130	2220	2380	2360	2370
12	860	720	779	1510	1370	1420	2360	2200	2290	2400	2320	2380
13	850	760	818	1530	1460	1500	5930	2170	2730	2350	2200	2280
14	760	690	715	1470	1380	1420	7100	2280	3460	2280	1990	2130
15	700	620	658	1550	1400	1480	2670	2330	2460	2360	1860	2040
16	770	640	704	1550	1450	1490	2300	2200	2240	2200	1790	2030
17	740	630	698	1580	1470	1530	2290	2160	2220	2180	2080	2130
18	600	460	515	1470	1430	1450	2320	2220	2260	2140	2100	2120
19	470	450	458	1570	1420	1480	2470	2340	2410	2490	2100	2250
20	540	470	513	1670	1470	1570	2570	2480	2520	2160	2100	2130
21	560	520	536	1740	1620	1680	2690	2570	2630	2170	2090	2120
22	560	520	534	1770	1680	1720	2710	2630	2670	2290	2180	2240
23	680	570	610	1860	1730	1770	5080	2480	3330	2340	2280	2310
24	860	680	750	5850	1730	2230	5020	2760	4130	2370	2270	2310
25	1080	860	964	3420	1810	2130	2720	2310	2470	2500	2170	2350
26	1090	1030	1060	5570	1870	2050	2310	2230	2280	3290	2150	2970
27	1120	1040	1090	3050	1840	1970	2270	2230	2250	3070	1990	2210
28	1200	1100	1130	5120	1800	2050	2230	2200	2210	2150	2000	2080
29	1250	1180	1210	5600	1890	2170	2330	2230	2260	2030	1840	1910
30	1200	1120	1140	2800	1840	1990	2360	2310	2330	1940	1850	1890
31	1250	1180	1200	---	---	---	2350	2310	2330	1850	1820	1840
MONTH	1250	450	734	5850	1160	1580	7100	1680	2480	3290	1790	2230

TABLE 1.--Continued

11261500 SAN JOAQUIN RIVER AT FREMONT FORD BRIDGE, CA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C)

	FEBRUARY 1987			MARCH 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
1	1850	1770	1810	---	---	1520
2	1770	1680	1720	---	---	1400
3	1680	1650	1660	---	---	1500
4	1650	1490	1550	---	---	1600
5	1520	1490	1500	---	---	1470
6	1500	1490	1490	---	---	1120
7	1510	1470	1490	---	---	1020
8	1530	1500	1510	---	---	1060
9	1560	1520	1540	---	---	1200
10	1770	1530	1710	---	---	1270
11	1750	1700	1730	1350	1230	1300
12	2200	1620	1840	1500	1350	1440
13	2160	2060	2110	1520	1470	1490
14	2050	1510	1760	1510	1470	1500
15	1500	1160	1260	1560	1520	1540
16	1300	1200	1260	1520	1390	1470
17	1420	1320	1370	1400	1360	1380
18	1520	---	1500	1500	1390	1460
19	---	---	1690	1560	1500	1520
20	---	---	1690	1680	1570	1620
21	---	---	1600	1790	1680	1750
22	---	---	1600	1780	1730	1760
23	---	---	1560	1830	1740	1790
24	---	---	1500	1870	1810	1850
25	---	---	1650	1930	1860	1880
26	---	---	1780	2000	1910	1950
27	---	---	1820	2000	1950	1980
28	---	---	1620	1950	1890	1920
29	---	---	---	1940	1850	1900
30	---	---	---	1910	1850	1880
31	---	---	---	1980	1900	1950
MONTH	---	---	1620	---	---	1560

WATER TEMPERATURE (DEG. C)

	OCTOBER 1985			NOVEMBER 1985			DECEMBER 1985			JANUARY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	22.0	18.5	20.0	15.5	13.0	14.5	---	---	11.0	10.0	9.0	9.5
2	21.5	19.0	20.0	16.5	13.5	15.0	---	---	11.0	11.0	9.5	10.5
3	22.5	19.0	21.0	16.5	14.0	15.5	---	---	11.5	12.0	10.0	11.0
4	23.0	19.5	21.5	17.0	15.0	16.0	12.5	12.0	12.5	13.5	11.5	12.5
5	23.5	20.0	22.0	16.5	14.5	15.5	13.0	12.0	12.5	14.5	12.5	13.5
6	23.5	21.0	22.0	15.5	13.0	14.5	12.5	11.5	12.0	14.0	12.5	13.0
7	22.5	20.0	21.0	15.5	14.5	15.5	12.5	11.5	12.0	12.5	11.5	12.0
8	20.5	18.0	19.0	15.5	13.0	14.5	12.0	10.5	11.5	12.0	11.0	11.5
9	18.0	15.5	16.5	14.5	12.0	13.5	11.0	9.5	10.5	12.0	11.0	11.5
10	17.0	13.5	15.5	13.0	10.5	11.5	9.5	8.5	9.0	11.5	10.5	11.0
11	18.0	14.0	16.0	10.5	9.5	10.0	8.5	7.0	7.5	10.5	10.0	10.5
12	18.0	15.0	16.5	10.5	8.5	9.5	7.5	6.5	7.0	10.0	9.5	10.0
13	17.5	15.0	16.0	10.5	8.0	9.5	7.5	5.5	6.5	10.0	9.5	9.5
14	17.5	14.0	16.0	10.5	7.5	9.0	7.5	5.5	6.5	9.5	9.0	9.5
15	17.5	14.0	16.0	10.5	8.0	9.5	7.0	6.0	6.5	11.0	9.0	10.0
16	17.5	15.0	16.0	10.5	9.5	10.0	7.0	6.0	6.5	12.0	10.5	11.5
17	18.0	15.0	16.5	12.0	10.0	10.5	7.0	6.0	6.5	14.0	11.5	13.0
18	18.5	15.5	17.0	11.0	9.0	10.0	6.5	6.0	6.5	14.0	13.0	13.5
19	18.0	15.5	17.0	10.0	7.0	9.0	6.5	6.0	6.0	14.5	13.5	14.0
20	16.5	15.5	16.0	9.5	7.5	8.5	6.5	6.0	6.0	15.0	13.5	14.0
21	16.0	14.5	15.5	---	---	8.5	6.0	5.5	6.0	14.0	12.5	13.0
22	16.0	14.0	15.0	---	---	8.5	6.0	5.5	5.5	12.5	11.5	12.0
23	17.0	14.0	15.5	---	---	9.0	6.0	5.5	5.5	13.5	11.5	12.0
24	18.0	15.0	16.5	---	---	9.0	6.0	5.5	5.5	13.0	11.0	12.0
25	18.5	16.0	17.0	---	---	10.0	6.0	5.0	5.5	13.0	10.5	11.5
26	19.0	16.0	17.5	---	---	10.0	6.0	5.0	5.5	13.0	10.5	11.5
27	19.0	16.0	17.5	---	---	11.0	5.5	5.0	5.5	12.5	11.0	11.5
28	18.5	16.0	17.5	---	---	11.0	5.5	5.0	5.5	12.0	11.0	11.5
29	17.5	15.5	16.5	---	---	11.0	6.5	5.5	6.0	12.0	11.5	11.5
30	16.5	14.5	15.5	---	---	10.5	9.0	6.5	7.5	14.5	11.5	13.0
31	15.5	14.0	15.0	---	---	---	9.5	8.5	9.0	13.5	12.5	13.0
MONTH	23.5	13.5	17.5	---	---	11.5	---	---	8.0	15.0	9.0	11.5

TABLE 1.--Continued

11261500 SAN JOAQUIN RIVER AT FREMONT FORD BRIDGE, CA--Continued

WATER TEMPERATURE (DEG. C)

	FEBRUARY 1986			MARCH 1986			APRIL 1986			MAY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	14.5	12.0	13.0	16.5	15.5	16.0	19.0	16.5	17.5	19.5	18.5	19.0
2	15.0	13.0	13.5	17.0	15.5	16.5	16.0	14.5	15.5	20.5	18.5	19.5
3	13.5	13.0	13.0	17.5	15.5	16.5	16.0	---	14.5	21.0	19.0	20.0
4	13.5	11.5	12.5	17.5	16.0	17.0	17.0	14.0	15.5	20.0	18.5	19.0
5	12.5	11.5	12.0	18.0	16.5	17.5	15.5	14.5	15.0	19.0	18.0	18.5
6	12.0	11.0	11.5	18.0	16.5	17.5	16.0	14.5	15.0	18.5	17.5	18.0
7	12.0	10.0	11.0	17.0	17.0	17.0	16.5	14.5	15.5	---	---	18.0
8	11.5	9.5	10.5	17.0	16.0	16.5	17.5	14.5	16.0	---	---	18.5
9	11.0	9.0	10.0	15.5	13.5	15.0	18.5	15.5	17.0	20.5	18.0	19.0
10	11.0	9.0	10.0	13.5	12.0	13.0	19.5	16.5	17.5	21.0	19.0	20.0
11	10.5	9.0	9.5	14.0	12.0	13.0	20.0	17.0	18.5	21.0	19.0	20.0
12	10.5	9.5	10.0	15.0	12.5	13.5	18.0	16.0	17.5	21.0	18.5	20.0
13	13.0	10.5	12.0	14.0	12.5	13.5	17.0	14.5	16.0	22.0	19.5	21.0
14	13.5	12.5	13.0	14.0	12.0	13.0	18.0	15.0	16.0	22.5	21.0	21.5
15	14.0	13.0	13.5	12.5	11.0	12.0	17.0	15.5	16.0	22.0	20.5	21.5
16	13.5	13.5	13.5	12.0	10.5	11.0	16.0	11.0	15.0	22.0	20.5	21.5
17	13.5	13.0	13.5	13.0	10.5	11.5	17.0	14.5	15.5	24.0	20.5	22.5
18	15.0	13.5	14.5	13.5	11.5	12.5	17.5	14.5	16.0	25.5	22.5	24.0
19	15.5	14.5	15.0	15.0	12.5	13.5	19.0	15.5	17.0	26.0	23.5	25.0
20	15.0	13.5	14.0	16.5	13.5	15.0	21.0	17.5	19.0	25.0	22.5	24.0
21	14.0	12.5	13.5	17.0	14.5	16.0	22.0	19.0	20.5	---	---	22.0
22	15.0	13.0	14.0	18.0	15.0	16.5	22.5	20.0	21.0	22.0	19.5	21.0
23	15.5	13.5	14.5	17.0	15.5	16.0	21.0	19.0	20.0	22.0	20.0	21.0
24	15.5	13.5	14.5	17.0	15.0	16.0	20.0	17.5	18.5	23.0	19.5	21.5
25	16.5	14.0	15.0	17.0	14.5	16.0	19.5	17.5	18.5	25.0	21.0	23.5
26	16.5	15.0	15.5	18.0	15.0	16.5	18.5	17.5	18.0	26.5	23.0	25.0
27	16.0	15.0	15.5	18.5	16.0	17.0	18.5	17.0	18.0	26.5	23.5	25.0
28	16.5	15.0	15.5	19.0	16.5	17.5	20.0	18.0	19.0	26.5	24.0	25.5
29	---	---	---	19.5	17.0	18.0	20.0	19.0	19.5	27.0	24.0	25.5
30	---	---	---	19.0	17.0	18.0	20.0	18.0	19.0	27.5	25.0	26.5
31	---	---	---	19.0	17.0	18.0	---	---	---	27.5	25.0	26.5
MONTH	16.5	9.0	13.0	19.5	10.5	15.5	22.5	---	17.5	---	---	21.5

	JUNE 1986			JULY 1986			AUGUST 1986			SEPTEMBER 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	27.0	24.5	25.5	30.0	25.0	27.5	---	---	27.5	26.5	23.5	25.0
2	26.5	24.0	25.5	30.5	26.5	28.5	---	---	27.5	26.5	24.0	25.5
3	26.0	24.0	25.0	30.0	27.0	28.5	---	---	27.5	26.5	24.0	25.0
4	25.5	23.5	24.5	28.5	26.0	27.0	---	---	28.0	26.5	24.0	25.0
5	25.5	23.5	24.5	27.0	24.0	25.5	---	---	28.0	26.5	24.0	25.5
6	25.0	23.0	24.0	27.5	24.0	25.5	28.5	27.0	28.0	26.5	24.5	25.5
7	24.5	22.5	23.5	27.0	24.0	25.5	27.5	24.5	26.0	26.0	24.0	25.0
8	24.0	22.0	23.0	28.0	24.5	26.0	27.5	24.0	26.0	25.5	23.0	24.0
9	25.0	22.0	23.5	28.5	24.5	26.5	27.5	24.0	25.5	23.5	21.5	22.5
10	26.5	23.0	25.0	28.0	25.0	26.5	27.5	24.0	26.0	23.0	20.5	22.0
11	27.0	24.0	25.5	29.0	25.0	27.0	27.5	24.5	26.0	23.5	20.5	22.0
12	26.0	24.0	25.0	28.5	16.5	21.0	28.0	25.0	26.5	22.5	20.5	21.5
13	27.0	24.0	25.5	18.0	16.5	17.5	28.0	25.0	26.5	22.0	20.0	20.5
14	26.0	24.0	25.0	18.0	16.5	17.5	27.5	24.5	26.0	21.5	19.0	20.0
15	26.5	24.5	25.0	18.0	17.0	17.5	26.5	23.5	25.5	21.5	19.0	20.0
16	26.5	23.5	25.0	18.5	17.5	18.0	26.0	23.0	24.5	21.5	19.5	20.5
17	26.5	24.0	25.0	---	---	18.0	25.5	22.5	24.0	20.5	19.5	19.5
18	---	---	25.0	---	---	18.5	26.0	22.5	24.0	20.5	18.0	19.0
19	24.5	24.0	24.5	---	---	18.5	25.5	24.0	25.0	20.0	18.0	19.5
20	25.5	22.0	24.0	---	---	19.5	25.5	24.0	24.5	20.0	18.0	19.0
21	27.0	23.0	25.0	---	---	21.5	26.5	23.0	24.5	20.0	18.0	19.0
22	29.0	24.5	26.5	---	---	22.0	26.0	23.0	24.5	20.0	18.0	19.0
23	30.0	26.0	28.0	---	---	23.0	25.5	22.5	24.0	20.0	18.5	19.5
24	30.0	26.0	28.0	---	---	24.0	26.0	23.0	24.5	19.0	17.5	18.5
25	30.0	26.5	28.0	---	---	24.0	26.0	23.0	24.5	18.5	17.0	18.0
26	29.5	26.5	28.0	---	---	24.5	26.5	23.0	24.5	18.5	16.5	17.5
27	29.0	25.5	27.5	---	---	25.0	26.5	23.5	25.0	18.5	17.0	17.5
28	28.5	25.0	27.0	---	---	25.0	26.5	24.0	25.0	18.5	16.5	17.5
29	28.0	24.5	26.5	---	---	25.0	26.0	23.0	24.5	18.5	16.5	17.5
30	28.5	24.5	26.5	---	---	26.0	25.5	22.5	24.0	19.5	17.0	18.0
31	---	---	---	---	---	27.0	25.5	22.5	24.0	---	---	---
MONTH	---	---	25.5	---	---	23.5	---	---	25.5	26.5	16.5	21.0

TABLE 1.--Continued

11261500 SAN JOAQUIN RIVER AT FREMONT FORD BRIDGE, CA--Continued

WATER TEMPERATURE (DEG. C)

	OCTOBER 1986			NOVEMBER 1986			DECEMBER 1986			JANUARY 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	19.0	17.5	18.0	16.0	13.5	15.0	10.0	8.0	9.0	9.0	7.5	8.5
2	18.0	16.0	17.0	16.0	13.5	14.5	10.0	8.0	9.0	9.0	8.0	8.5
3	17.5	15.5	16.5	15.5	13.0	14.5	10.0	8.0	9.0	9.0	8.5	8.5
4	18.5	16.0	17.0	15.5	13.0	14.5	9.5	9.0	9.5	10.0	8.5	9.0
5	19.0	16.5	18.0	15.5	13.0	14.5	10.5	9.5	10.0	10.0	8.0	9.0
6	20.0	17.5	19.0	14.5	12.0	13.0	10.5	9.5	10.0	9.5	8.5	9.0
7	20.5	18.5	19.5	12.5	10.5	11.5	10.5	9.0	10.0	9.5	8.0	8.5
8	21.0	19.0	20.0	12.5	10.5	11.5	10.0	8.5	9.5	8.5	7.5	8.0
9	21.5	19.5	20.5	12.5	10.0	11.5	10.0	8.5	9.0	8.0	7.0	7.5
10	21.5	19.5	20.5	13.0	10.5	12.0	9.5	9.0	9.0	7.5	7.0	7.5
11	20.5	19.0	20.0	13.0	11.0	12.0	9.0	8.5	8.5	7.5	7.0	7.0
12	20.0	18.0	19.0	13.5	11.0	12.5	8.5	8.0	8.0	7.0	6.5	7.0
13	19.5	17.5	18.5	13.5	11.0	12.5	8.5	7.5	8.0	7.5	6.0	7.0
14	19.5	17.0	18.5	13.5	11.5	12.5	8.5	8.0	8.5	7.0	5.5	6.5
15	19.5	17.5	18.5	13.0	11.5	12.5	8.5	8.0	8.5	6.0	4.0	5.5
16	19.0	17.5	18.0	13.0	11.0	12.0	9.0	7.0	8.0	4.5	2.5	3.5
17	18.5	16.5	17.5	13.0	11.0	12.0	9.0	7.0	8.0	4.5	2.5	3.5
18	17.5	16.0	16.5	13.5	12.0	12.5	9.0	8.0	8.5	5.0	3.0	4.0
19	17.0	15.0	16.0	14.5	12.5	13.5	10.0	8.5	9.5	5.5	3.0	4.5
20	17.0	15.5	16.5	15.0	13.0	14.0	10.5	9.0	10.0	6.0	3.5	5.0
21	17.5	15.5	16.5	14.5	13.5	14.0	9.5	8.5	9.0	6.0	4.0	5.0
22	18.0	16.0	17.0	13.5	12.0	13.0	9.5	8.5	9.0	6.5	5.0	6.0
23	17.5	16.0	17.0	13.5	11.5	12.5	10.5	9.0	10.0	8.5	6.0	7.5
24	18.5	16.0	17.0	13.0	11.0	12.0	10.0	8.5	9.5	9.0	7.5	8.0
25	19.0	16.5	17.5	12.0	10.5	11.5	9.5	8.5	9.0	10.5	7.5	9.0
26	19.5	17.0	18.0	12.0	10.0	11.0	8.5	8.0	8.5	11.0	8.5	10.0
27	20.0	17.5	18.5	11.5	10.0	10.5	8.5	8.0	8.0	10.5	10.0	10.5
28	19.0	17.5	18.0	11.0	9.5	10.0	8.5	8.0	8.0	11.5	10.0	10.5
29	19.0	16.5	18.0	11.0	9.5	10.0	8.5	7.5	8.0	11.5	9.5	10.5
30	18.0	16.5	17.5	10.5	8.5	9.5	8.0	7.5	8.0	11.5	10.0	10.5
31	16.5	14.5	15.5	---	---	---	8.0	7.0	7.5	11.5	9.5	10.5
MONTH	21.5	14.5	18.0	16.0	8.5	12.5	10.5	7.0	9.0	11.5	2.5	7.5

	FEBRUARY 1987			MARCH 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
1	11.5	9.5	10.5	14.0	10.5	12.5
2	10.5	10.0	10.0	14.5	12.0	13.5
3	11.5	10.0	10.5	15.0	13.0	14.0
4	12.5	10.0	11.0	14.5	13.5	14.0
5	12.5	10.0	11.5	13.5	13.0	13.0
6	13.0	10.5	12.0	14.5	13.0	13.5
7	14.0	11.0	12.5	14.5	13.0	14.0
8	14.0	12.0	13.0	15.0	13.5	14.5
9	14.0	13.0	13.5	15.5	14.0	15.0
10	15.5	13.0	14.0	15.0	14.0	14.5
11	16.0	14.0	15.0	17.0	14.5	16.0
12	15.0	14.0	14.5	17.5	15.5	16.5
13	15.0	13.5	14.0	18.0	15.5	16.5
14	14.0	12.5	13.5	16.0	14.0	15.5
15	14.0	13.0	13.5	15.5	13.5	14.5
16	13.5	12.0	12.5	15.0	13.0	14.0
17	13.5	11.0	12.5	15.5	13.0	14.5
18	13.0	11.0	12.0	15.5	14.0	15.0
19	12.5	10.0	11.0	15.5	13.0	14.0
20	12.5	10.0	11.0	15.0	12.5	13.5
21	12.0	9.5	11.0	14.5	12.5	13.5
22	12.5	9.5	11.0	15.0	12.0	13.5
23	11.5	9.5	10.5	14.5	12.5	13.5
24	12.0	9.0	10.5	14.5	12.0	13.5
25	12.5	10.0	11.0	15.0	13.5	14.5
26	12.0	9.5	11.0	16.0	14.5	15.0
27	13.0	9.5	11.0	16.0	14.5	15.5
28	13.5	10.5	12.0	16.0	13.5	15.0
29	---	---	---	17.0	14.0	15.5
30	---	---	---	18.5	15.5	17.0
31	---	---	---	19.0	17.0	18.0
MONTH	16.0	9.0	12.0	19.0	10.5	14.5

TABLE 1.--Continued

11262900 MUD SLOUGH NEAR GUSTINE, CA

LOCATION.--Lat 37°15'45", Long 120°54'20", in SE 1/4 SE 1/4 sec. 6, T.8 S., R.10 E., Merced County, Hydrologic Unit 18040001, Kesterson National Wildlife Refuge, on right bank at footbridge 400 ft northwest of terminus of San Luis Drain and 5.2 mi east of Gustine.
DRAINAGE AREA.--Indeterminate.
PERIOD OF RECORD.--June 1985 to March 1987.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1985 to March 1987.
WATER TEMPERATURE: November 1985 to March 1987.
INSTRUMENTATION.--Minimonitor recorder since October 1985. Satellite telemetry since October 1986.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 9,960 microsiemens, July 11, 1986; minimum daily, 470 microsiemens, Oct. 15, 1986.
WATER TEMPERATURE: Maximum recorded, 32.0°C, July 3, 11, 1986; minimum recorded, 2.5°C, Jan. 17, 1987.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L AS CACO3)	CALCIUM, DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
JUN 1985												
11...	1000	66	2980	8.2	23.0	757	7.8	690	540	170	65	440
25...	1130	90	1910	8.2	21.0	759	8.7	--	--	--	--	330
JUL												
18...	0830	100	2200	8.1	23.0	757	7.3	590	440	150	52	290
AUG												
02...	0835	75	2050	8.2	21.5	761	7.9	510	360	130	46	260
15...	0900	75	2050	8.3	22.0	758	8.2	560	410	140	52	240
28...	0730	41	2010	8.1	21.0	764	7.3	490	310	120	46	220
SEP												
12...	0800	70	1870	8.1	17.5	767	8.6	460	280	110	45	250
26...	1515	30	2180	8.7	27.5	760	14.2	400	200	72	54	310
OCT												
10...	1430	31	2760	8.1	19.5	760	11.4	580	350	110	74	420
24...	1315	66	1350	7.9	18.5	760	7.4	250	75	46	32	180
NOV												
06...	1430	38	2190	8.0	18.0	765	8.5	460	220	84	60	360
20...	1400	33	3790	8.1	11.0	764	12.6	640	340	100	95	590
DEC												
05...	0815	96	2200	7.9	12.5	767	7.5	420	160	80	53	340
19...	0745	104	3080	8.2	6.0	770	10.9	630	310	130	75	490
JAN 1986												
08...	1500	62	3180	8.0	14.0	768	9.4	600	270	110	79	550
23...	1330	90	3230	8.1	14.0	765	9.7	610	280	120	75	510
FEB												
06...	1200	55	2750	8.0	11.5	763	9.4	540	230	92	75	560
20...	1600	380	1250	8.0	15.0	764	8.3	280	59	51	38	190
26...	0800	158	2310	8.0	16.5	765	4.9	480	210	84	65	340
MAR												
06...	0730	108	2020	7.9	17.0	764	6.1	340	130	64	44	280
19...	0745	479	1180	8.1	11.0	768	8.6	250	68	49	31	150
APR												
03...	0900	323	2920	8.1	13.0	762	8.6	490	290	110	53	300
16...	1115	235	2820	8.1	16.0	764	9.6	600	420	140	60	390
MAY												
07...	0800	48	8220	8.0	12.5	763	7.2	--	--	--	--	--
20...	1530	134	2430	8.2	24.0	759	9.0	490	360	120	46	300
JUN												
03...	1400	127	2750	8.1	24.0	760	8.7	570	440	140	53	350
18...	0745	143	2300	8.0	22.0	765	8.0	520	390	130	47	300
JUL												
01...	1245	132	2340	8.0	27.0	760	7.8	530	380	130	49	310
15...	1530	59	2580	8.3	27.0	755	9.6	600	440	150	55	350
AUG												
06...	1245	109	2120	8.2	26.5	760	7.8	480	310	120	43	270
26...	1500	60	2200	8.4	27.5	760	10.2	480	310	120	45	280
SEP												
08...	1300	15	1980	8.6	26.0	760	11.1	370	120	75	44	240
24...	1600	3.3	2050	8.7	19.0	750	12.2	330	110	62	43	260
OCT												
07...	1230	26	838	7.9	22.0	760	6.6	180	43	37	21	95
22...	1145	9.8	2090	8.0	18.0	760	8.7	350	130	61	48	300
NOV												
05...	1145	17	2570	8.1	16.0	760	10.2	380	120	65	54	350
19...	0945	34	2290	8.0	13.5	760	9.0	370	150	72	47	300
DEC												
04...	1200	19	4340	8.0	11.5	760	10.9	560	240	88	82	680
15...	1000	27	3380	7.8	9.0	760	9.2	520	240	94	70	540

TABLE 1.--Continued

11262900 MUD SLOUGH NEAR GUSTINE, CA

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L AS CACO3)	CALCIUM, DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
JAN 1987												
06...	1130	36	3250	8.0	10.0	760	9.6	480	180	87	64	490
21...	1030	52	3350	8.2	5.0	770	11.6	590	260	110	76	470
FEB												
05...	1030	129	2650	8.1	11.0	770	9.9	530	260	110	61	390
18...	1015	208	2550	8.2	11.5	765	10.2	580	340	130	63	370
MAR												
10...	1100	94	3070	8.2	14.5	760	8.4	450	170	74	65	450
24...	0945	154	3030	8.3	12.0	760	10.4	600	330	130	68	470

TABLE 1.--Continued

11262900 MUD SLOUGH NEAR GUSTINE, CA--Continued

WATER QUALITY DATA

DATE	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, CARBONATE IT-FLD (MG/L AS CAC03)	SULFATE, DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3, DISSOLVED (MG/L AS N)
JUN 1985												
11...	58	8	5.0	154	870	400	0.3	14	2100	2.9	374	7.6
25...	--	--	3.8	143	630	320	0.3	--	1620	--	--	9.7
JUL												
18...	52	5	4.5	153	550	280	0.2	21	1530	2.1	413	7.0
AUG												
02...	52	5	5.0	150	530	270	0.2	19	1420	1.9	286	6.3
15...	48	5	4.1	153	520	300	0.2	18	1410	1.9	284	6.3
28...	49	4	4.3	177	480	270	0.2	17	1360	1.8	149	4.9
SEP												
12...	54	5	4.3	177	470	260	0.3	14	1340	1.8	254	4.9
26...	62	7	4.6	203	480	320	0.3	18	1420	1.9	115	<0.10
OCT												
10...	61	8	4.7	225	640	390	0.2	18	1810	2.5	151	0.14
24...	61	5	5.0	172	220	210	0.2	18	805	1.1	143	0.28
NOV												
06...	63	8	5.2	233	560	350	0.3	18	1570	2.1	161	0.84
20...	67	10	2.2	305	930	550	0.3	16	2580	3.5	230	0.14
DEC												
05...	63	7	6.5	256	450	330	0.3	14	1420	1.9	368	0.94
19...	62	9	5.6	324	810	510	0.4	16	2240	3.0	629	4.2
JAN 1986												
08...	66	10	6.5	326	740	470	0.3	11	2340	3.2	392	1.3
23...	64	9	6.3	328	770	--	0.4	13	2350	--	--	3.1
FEB												
06...	69	11	6.3	308	800	530	0.3	13	2290	3.1	340	0.57
20...	59	5	5.8	225	250	180	0.3	21	854	1.2	876	0.74
26...	60	7	6.1	265	480	320	0.3	16	1480	2.0	631	1.5
MAR												
06...	64	7	4.8	213	420	250	0.2	14	1220	1.7	356	1.6
19...	56	4	4.4	182	200	120	0.2	19	689	0.94	891	0.87
APR												
03...	57	6	4.5	205	670	340	0.3	12	1740	2.4	1520	4.1
16...	58	7	4.6	172	710	340	0.2	13	1870	2.5	1190	7.5
MAY												
07...	--	--	4.9	364	2600	1400	0.3	18	6390	--	--	<0.10
20...	57	6	3.8	125	600	270	0.2	14	1470	2.0	532	7.2
JUN												
03...	57	7	4.3	131	--	340	0.3	16	1880	--	--	8.4
18...	56	6	3.9	130	590	300	0.2	16	1550	2.1	598	9.6
JUL												
01...	56	6	4.7	146	640	300	0.2	17	1590	2.2	567	9.0
15...	56	6	4.6	166	780	340	0.3	18	1830	2.5	293	9.4
AUG												
06...	55	6	5.1	167	490	230	0.3	18	1260	1.7	371	6.3
26...	55	6	4.2	171	510	240	0.3	17	--	--	--	5.4
SEP												
08...	58	6	5.9	249	340	230	0.3	19	1160	1.6	45	<0.10
24...	63	6	4.0	218	370	240	0.3	15	1150	1.6	10	0.26
OCT												
07...	53	3	4.7	136	130	92	0.2	12	483	0.66	34	<0.10
22...	65	7	4.6	221	460	270	0.3	20	1640	2.2	43	0.18
NOV												
05...	66	8	4.5	262	500	340	0.2	24	1610	2.2	74	<0.10
19...	63	7	4.3	228	510	300	0.3	17	1490	2.0	137	1.4
DEC												
04...	72	13	4.6	321	1100	650	0.3	18	2840	3.9	146	<0.10
15...	69	11	4.1	284	870	500	0.3	18	2370	3.2	170	2.2
JAN 1987												
06...	69	10	4.6	298	770	450	0.3	13	2170	3.0	211	2.2
21...	63	9	5.2	323	800	470	0.4	12	2190	3.0	310	3.5
FEB												
05...	61	8	5.1	264	620	380	0.3	14	1770	2.4	616	4.7
18...	58	7	6.4	243	760	340	0.3	18	1800	2.4	1010	5.4
MAR												
10...	68	9	5.8	287	540	400	0.3	12	1670	2.3	424	0.840
24...	63	9	5.5	276	860	460	0.3	16	2210	3.0	919	6.9

TABLE 1.--Continued

11262900 MUD SLOUGH NEAR GUSTINE, CA--Continued

WATER QUALITY DATA

DATE	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	NITROGEN, AMMONIA + ORGANIC, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP., SIEVE DIAM. % FINER THAN 0.062 MM	CHLOR-A PHYTOPLANKTON, CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON, CHROMO FLUOROM (UG/L)	CARBON, ORGANIC, TOTAL (MG/L AS C)
JUN 1985												
11...	0.18	0.23	1.9	0.24	0.05	0.04	--	--	--	--	--	--
25...	0.15	0.19	1.6	0.20	0.10	0.10	272	66	98	--	--	--
JUL												
18...	0.12	0.15	1.3	0.25	0.14	0.09	259	70	93	--	--	--
AUG												
02...	0.19	0.24	1.5	0.31	0.15	0.09	219	44	99	--	--	--
15...	0.05	0.06	0.90	0.15	0.09	0.07	293	59	98	--	--	--
28...	0.09	0.12	1.9	0.23	0.10	0.08	166	18	99	--	--	--
SEP												
12...	0.10	0.13	1.4	0.16	0.08	0.07	160	30	98	--	--	--
26...	0.09	0.12	1.3	0.20	0.06	0.05	110	8.9	98	57	13	--
OCT												
10...	0.18	0.23	1.4	0.41	0.24	0.21	104	8.7	81	9.2	1.5	--
24...	0.05	0.06	1.4	0.41	0.22	0.18	109	19	97	--	--	--
NOV												
06...	0.18	0.23	1.6	0.44	0.30	0.24	57	5.8	98	4.5	0.80	--
20...	0.20	0.26	1.6	0.37	0.21	0.17	--	--	--	7.7	0.60	--
DEC												
05...	0.37	0.48	1.9	0.50	0.38	0.35	73	19	90	3.3	0.60	--
19...	0.49	0.63	1.6	0.38	0.29	0.26	51	14	91	2.7	0.20	12
JAN 1986												
08...	0.31	0.40	1.6	0.34	0.24	0.19	53	8.9	95	6.5	0.70	14
23...	0.59	0.76	2.1	0.54	0.41	0.36	83	20	96	3.9	0.50	14
FEB												
06...	0.73	0.94	2.3	0.6	0.49	0.46	196	29	98	4.9	0.40	31
20...	0.28	0.36	1.8	0.39	0.28	0.24	276	283	99	11	0.90	18
26...	0.17	0.22	2.0	0.75	0.62	0.55	77	33	99	--	--	21
MAR												
06...	0.30	0.39	2.1	0.75	0.55	0.52	221	64	99	7.4	0.70	15
19...	0.07	0.09	1.2	0.33	0.21	0.18	145	188	98	8.1	1.1	11
APR												
03...	0.15	0.19	1.6	0.35	0.21	0.18	167	146	99	11	1.5	12
16...	0.12	0.15	1.6	0.26	0.12	0.11	188	119	99	6.4	0.80	12
MAY												
07...	0.12	0.15	1.1	0.18	0.05	0.04	--	--	--	8.0	0.50	12
20...	0.08	0.10	1.5	0.24	0.10	0.08	234	85	96	13	1.6	7.9
JUN												
03...	0.09	0.12	1.1	0.24	0.10	0.08	126	43	93	--	--	8.5
18...	0.09	0.12	1.1	0.23	0.09	0.07	149	58	95	8.2	0.80	7.3
JUL												
01...	0.14	0.18	1.3	0.29	0.11	0.10	--	--	--	--	--	6.5
15...	0.07	0.09	1.4	0.25	0.10	0.09	219	35	96	29	3.0	8.4
AUG												
06...	0.09	0.12	1.7	0.25	0.13	0.10	--	--	--	--	--	6.9
26...	0.04	0.05	1.5	0.30	0.12	0.09	139	22	98	33	3.4	9.5
SEP												
08...	0.04	0.05	1.0	0.23	0.13	0.12	--	--	--	--	--	15
24...	0.02	0.03	1.2	0.24	0.06	0.04	94	0.84	98	68	6.7	10
OCT												
07...	0.06	0.08	1.2	0.45	0.27	0.23	--	--	--	--	--	11
22...	0.13	0.17	2.0	0.34	0.24	0.19	64	1.7	96	5.2	0.80	11
NOV												
05...	0.05	0.06	2.0	0.48	0.26	0.21	--	--	--	--	--	14
19...	0.07	0.09	1.3	0.32	0.18	0.15	71	6.5	98	11	1.6	10
DEC												
04...	0.10	0.13	1.6	0.21	0.12	0.10	--	--	--	--	--	11
15...	0.19	0.24	2.4	0.21	0.23	0.12	34	2.4	98	5.3	0.20	12
JAN 1987												
06...	0.18	0.23	2.0	0.30	0.14	0.16	--	--	--	--	--	12
21...	0.24	0.31	2.5	0.25	0.16	0.14	64	9.1	97	10	0.80	12
FEB												
05...	0.21	0.27	3.1	0.35	0.18	0.16	--	--	--	--	--	14
18...	0.32	0.41	2.3	0.42	0.22	0.21	329	185	95	11	1.0	10
MAR												
10...	0.26	0.33	0.90	0.52	0.35	0.29	--	--	--	--	--	11
24...	0.10	0.13	0.20	0.35	0.21	0.17	252	105	97	17	2.0	11

TABLE 1.--Continued

11262900 MUD SLOUGH NEAR GUSTINE, CA--Continued

WATER QUALITY DATA

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC, TOTAL (UG/L AS AS)	ARSENIC, DISSOLVED (UG/L AS AS)	BORON, TOTAL RECOVERABLE (UG/L AS B)	BORON, DISSOLVED (UG/L AS B)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)
JUN 1985											
11...	3600	10	4	5	4100	4100	21	11	4	4800	40
25...	6800	--	4	3	3400	3200	29	14	<4	8700	--
JUL											
18...	2500	--	5	<1	3400	3500	38	12	3	7200	40
AUG											
02...	6400	--	7	4	2900	2900	55	13	3	7100	10
15...	8600	100	4	4	2900	2800	29	9	3	10000	80
28...	4300	10	6	4	2600	2600	14	9	2	5000	30
SEP											
12...	4200	20	4	3	2700	2800	24	12	2	5600	40
26...	2700	40	6	5	1800	1800	16	6	4	3300	60
OCT											
10...	2300	30	6	5	2500	2300	14	12	3	3500	80
24...	3000	10	5	3	930	950	27	6	1	3700	55
NOV											
06...	1800	10	6	5	2200	2200	10	5	2	2100	70
20...	550	<10	5	4	3200	3300	11	5	4	1000	40
DEC											
05...	1600	20	6	5	2200	2200	22	7	2	2100	50
19...	1600	<10	7	5	3700	4000	21	5	1	1900	60
JAN 1986											
08...	1200	<10	5	4	3300	3500	11	4	1	1800	80
23...	2000	<10	6	6	3600	3600	16	5	4	2800	50
FEB											
06...	3700	<10	7	6	3400	3400	20	5	<1	5500	20
20...	7600	40	8	6	1300	1400	29	20	<1	10000	49
26...	1400	10	7	7	2400	2500	13	8	2	1900	60
MAR											
06...	5000	30	7	6	2100	2100	20	10	<1	6300	32
19...	2200	30	7	6	1200	1200	22	8	1	3600	40
APR											
03...	2800	20	5	3	3400	3400	21	7	1	3600	50
16...	3200	10	3	3	3900	3600	22	10	2	4600	30
MAY											
07...	250	<10	3	1	8200	8300	6	4	2	1300	40
20...	3500	<10	4	3	3000	2800	21	12	2	4900	20
JUN											
03...	2600	<10	3	--	3900	3900	18	9	4	4200	30
18...	2800	<10	3	2	3400	3100	24	9	2	4500	40
JUL											
01...	5200	<10	4	3	3100	3200	34	13	2	7400	10
15...	3800	<10	5	4	3700	3600	24	25	3	5200	20
AUG											
06...	5600	<10	5	4	3000	3100	36	17	2	8900	20
26...	--	<10	--	5	2800	2800	--	12	4	3800	20
SEP											
08...	3100	<10	11	11	2000	2000	7	8	4	4600	11
24...	2400	<10	6	6	1800	1800	9	14	2	3500	10
OCT											
07...	2400	10	5	4	650	620	14	12	3	3600	56
22...	2000	<10	5	5	1700	1700	<1	20	2	2600	30
NOV											
05...	530	<10	4	4	2000	2000	<1	6	2	1000	90
19...	2000	<10	5	4	2100	2100	3	12	2	2800	20
DEC											
04...	510	<10	4	3	3400	3400	13	7	<1	830	40
15...	1100	<10	4	3	3200	3300	3	6	1	1600	40
JAN 1987											
06...	970	<10	5	4	3000	3200	10	12	1	1700	30
21...	1300	70	5	4	3700	3400	4	8	3	2000	20
FEB											
05...	3900	<10	5	4	3000	3100	18	12	2	5200	20
18...	5500	10	5	4	3500	3500	14	14	2	7400	50
MAR											
10...	3500	<10	6	5	2700	2500	10	12	3	5100	20
24...	2900	90	5	4	4000	4100	10	11	2	3800	<10

TABLE 1.--Continued

11262900 MUD SLOUGH NEAR GUSTINE, CA--Continued

WATER QUALITY DATA

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
JUN 1985											
11...	4	370	40	10	14	17	6	30	28	30	20
25...	4	210	--	10	8	31	4	24	24	50	--
JUL											
18...	6	220	10	10	10	28	13	19	21	30	20
AUG											
02...	4	200	10	7	9	18	3	21	21	30	10
15...	4	210	20	5	--	27	3	21	18	30	20
28...	2	170	20	6	7	19	3	16	16	20	10
SEP											
12...	--	160	20	8	5	16	2	26	26	30	10
26...	5	380	200	8	8	21	7	2	2	30	20
OCT											
10...	<1	710	540	10	13	16	4	2	1	20	<10
24...	1	380	210	11	8	15	16	1	1	10	4
NOV											
06...	1	490	340	12	14	18	2	5	5	10	10
20...	<1	800	700	20	22	8	3	2	2	20	10
DEC											
05...	<1	310	180	12	6	6	3	4	4	<10	10
19...	<1	290	230	14	15	11	5	14	13	20	10
JAN 1986											
08...	3	450	320	19	15	13	3	23	21	20	20
23...	1	350	200	12	17	17	6	11	11	20	<10
FEB											
06...	<1	730	480	13	15	22	5	2	2	40	20
20...	3	230	23	5	8	45	3	3	2	90	<3
26...	<1	270	170	5	7	9	6	6	6	50	20
MAR											
06...	3	420	160	6	3	22	7	7	6	30	6
19...	<1	150	24	3	4	17	3	4	3	20	6
APR											
03...	2	250	110	9	10	11	3	17	19	40	20
16...	4	290	150	9	14	14	4	32	31	30	<10
MAY											
07...	1	2800	2900	26	30	12	5	3	3	20	10
20...	4	310	160	4	<5	--	4	24	22	10	<10
JUN											
03...	14	250	130	9	11	20	6	29	29	20	10
18...	<5	210	60	5	6	19	4	29	29	20	10
JUL											
01...	<5	230	40	8	8	15	4	26	25	30	<10
15...	<5	190	40	11	9	30	4	30	30	20	<10
AUG											
06...	<5	240	20	5	8	31	4	21	20	50	<10
26...	<5	190	20	9	10	21	4	22	21	30	10
SEP											
08...	<5	300	46	11	9	21	5	6	6	10	5
24...	13	310	73	7	8	23	3	6	5	10	13
OCT											
07...	12	290	170	10	5	14	4	1	1	20	<3
22...	<5	460	350	--	29	12	3	3	3	270	<10
NOV											
05...	6	550	480	22	25	8	5	1	<1	20	20
19...	<5	410	220	17	20	9	6	6	6	20	10
DEC											
04...	<5	760	730	32	33	5	4	1	1	10	<10
15...	<5	630	520	27	26	8	<1	8	8	30	<10
JAN 1987											
06...	<5	460	310	23	18	10	5	8	8	<10	<10
21...	<5	410	230	22	18	12	6	9	9	20	<10
FEB											
05...	<5	290	70	20	12	20	4	13	3	30	<10
18...	7	290	50	13	13	22	5	16	16	20	<10
MAR											
10...	<5	440	180	13	11	19	7	<1	2	10	<10
24...	<5	240	80	11	14	19	5	22	22	30	<10

TABLE 1.--Continued

11262900 MUD SLOUGH NEAR GUSTINE, CA--Continued

WATER QUALITY DATA

DATE	TIME	CARBON-TETRA-CHLO-RIDE, TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE, TOTAL (UG/L)	CHLORO-FORM, TOTAL (UG/L)	BENZENE, TOTAL (UG/L)	ETHYL-BENZENE, TOTAL (UG/L)	METHYL-ENE CHLO-RIDE, TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE, TOTAL (UG/L)	1,1,2,2 TETRA-CHLORO-ETHANE, TOTAL (UG/L)
SEP 1985									
26...	1530	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

DATE	1,2-DI-CHLORO-PROPANE, TOTAL (UG/L)	1,2-TRANSDI CHLORO-ETHYL-ENE, TOTAL (UG/L)	METHO-MYL, TOTAL (UG/L)	PROPHAM, TOTAL (UG/L)	SIMA-ZINE, TOTAL (UG/L)	PROME-TRYNE, TOTAL (UG/L)	VINYL CHLO-RIDE, TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE, TOTAL (UG/L)	ETHION, TOTAL (UG/L)
SEP 1985									
26...	<3.0	<3.0	<2.0	<2.0	<0.10	<0.1	<3.0	<3.0	<0.01

DATE	PARA-THION, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	SEVIN, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	TRI-THION, TOTAL (UG/L)	CYAN-AZINE, TOTAL (UG/L)	2,4-DP, TOTAL (UG/L)	AME-TRYNE, TOTAL (UG/L)
SEP 1985									
26...	<0.01	<0.01	<0.01	<2.0	<0.01	<0.01	<0.10	<0.01	<0.10

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	LINDANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL, IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT 1985												
10...	1400	2760	8.1	19.5	760	11.4	<1.0	<0.1	<0.1	<1.0	0.7	1.3

DATE	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE, TOT. IN BOTTOM MATL. (UG/KG)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT 1985											
10...	<0.1	0.1	<0.1	<0.1	<10	<0.1	<0.1	<0.1	<1	<0.1	<1.0

TABLE 1.--Continued

11262900 MUD SLOUGH NEAR GUSTINE, CA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C)

	OCTOBER 1985			NOVEMBER 1985			DECEMBER 1985			JANUARY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	2010	1880	1950	3570	3480	3530
2	---	---	---	---	---	---	1940	1550	1830	3550	3380	3480
3	---	---	---	---	---	---	1970	1750	1830	3670	3490	3570
4	---	---	---	---	---	---	2300	1990	2160	3700	3410	3590
5	---	---	---	---	---	---	2190	2010	2120	3380	3210	3270
6	---	---	---	2530	2380	2450	2110	2020	2070	3190	2890	3040
7	---	---	---	3080	2570	2850	2200	2030	2100	3040	2890	2990
8	---	---	---	3480	3070	3370	2330	1930	2140	3300	2970	3090
9	---	---	---	3800	3490	3660	2390	2290	2350	3340	3200	3300
10	---	---	---	3900	3420	3630	2350	2110	2240	3360	3190	3280
11	---	---	---	3430	3050	3260	2790	2440	2670	3350	3060	3260
12	---	---	---	3050	2960	3010	2820	2610	2680	3040	2730	2920
13	---	---	---	2960	2820	2860	2740	2640	2720	2960	2730	2840
14	---	---	---	3020	2870	2910	2810	2730	2780	2930	2830	2870
15	---	---	---	3040	2890	2950	2870	2760	2800	2820	2700	2750
16	---	---	---	3220	3000	3120	2980	2880	2940	2680	2530	2590
17	---	---	---	3280	3140	3200	3110	2970	3030	2830	2580	2720
18	---	---	---	3250	3130	3190	3200	3110	3150	2820	2760	2790
19	---	---	---	3270	3150	3220	3160	3130	3140	2860	2740	2790
20	---	---	---	3720	3270	3450	3250	3160	3220	2980	2710	2840
21	---	---	---	4420	3760	4060	3380	3170	3270	2950	2780	2850
22	---	---	---	4860	4410	4710	3410	3330	3370	2780	2730	2760
23	---	---	---	4920	4740	4820	3430	3310	3360	3000	2750	2850
24	---	---	---	4820	4360	4510	3470	3350	3420	2940	2570	2760
25	---	---	---	4530	3850	4150	3500	3360	3450	2940	2830	2880
26	---	---	---	3850	3360	3620	3420	3300	3370	2900	2770	2830
27	---	---	---	3340	2720	2940	3490	3400	3440	2930	2780	2870
28	---	---	---	2880	2770	2820	3560	3380	3480	2930	2860	2890
29	---	---	---	2850	2250	2660	3600	3520	3550	2980	2850	2920
30	---	---	---	2200	2010	2090	3640	3300	3460	3000	2880	2930
31	---	---	---	---	---	---	3570	3480	3520	3020	2880	2910
MONTH	---	---	---	---	---	3340	3640	1550	2830	3700	2530	3000

	FEBRUARY 1986			MARCH 1986			APRIL 1986			MAY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	2760	1940	2390	2300	2210	2260	2370	2110	2210	3380	2550	2760
2	2410	2210	2320	2350	2030	2230	2580	2140	2360	---	---	3600
3	2390	2200	2280	2220	1980	2090	2610	2040	2520	---	---	4500
4	2710	2440	2620	2420	1980	2180	2660	2510	2590	---	---	5400
5	2690	2440	2570	2310	1710	2000	2660	2470	2610	---	---	6300
6	3820	2450	3060	2020	1680	1880	2840	2460	2770	---	---	7200
7	5250	3430	4140	2260	1830	2000	2890	2810	2850	---	---	8200
8	4530	3600	4140	2160	1840	1970	2900	2790	2840	---	---	8000
9	3550	3100	3410	2040	1430	1830	2820	2630	2730	---	---	7000
10	3060	2890	2980	1490	1290	1350	2760	2570	2660	---	---	6000
11	3020	2510	2790	1320	1180	1250	2560	2470	2510	---	---	5000
12	2960	2100	2730	1200	1160	1170	2630	2490	2540	---	---	4000
13	2990	2710	2860	1210	1190	1200	2810	2560	2640	---	---	2910
14	3000	2670	2810	1240	1210	1220	2880	2770	2820	---	---	2860
15	2740	2470	2570	1430	1240	1340	2910	2810	2870	---	---	2780
16	2660	2310	2500	1430	1330	1370	2900	2740	2790	---	---	2570
17	2630	1760	1960	1330	1270	1290	2760	2570	2690	---	---	2420
18	1840	1580	1710	1310	1260	1290	3030	2710	2890	---	---	2460
19	1580	1370	1470	1320	1270	1300	3040	2910	2960	---	---	2550
20	1390	1220	1300	1440	1300	1370	3180	2970	3070	---	---	2540
21	1280	1240	1260	1550	1330	1450	3200	2880	3040	2950	2690	2810
22	1820	1280	1570	1640	1570	1610	2940	2810	2890	3060	2910	3020
23	1860	1800	1820	1590	1540	1570	3070	2850	2940	3120	2400	2780
24	1890	1800	1840	1600	1580	1590	3050	2930	2980	3200	2600	2820
25	2150	1810	2020	1620	1440	1560	2970	2780	2850	3130	2810	2950
26	2340	2120	2220	1400	1310	1350	3030	2760	2880	3000	2720	2800
27	2480	2340	2420	1420	1310	1370	3010	2840	2920	2740	2600	2660
28	2520	2270	2360	1500	1420	1450	4420	2880	3660	2670	2300	2450
29	---	---	---	1820	1530	1690	4520	2270	3140	3150	2200	2430
30	---	---	---	2250	1840	2070	2860	2560	2690	2760	2500	2640
31	---	---	---	2370	2260	2310	---	---	---	3110	2340	2850
MONTH	5250	1220	2430	2420	1160	1630	4520	2040	2800	---	---	3850

TABLE 1.--Continued

11262900 MUD SLOUGH NEAR GUSTINE, CA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C)

	JUNE 1986			JULY 1986			AUGUST 1986			SEPTEMBER 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	2680	2480	2590	2550	2440	2490	2330	2200	2240	2220	2130	2160
2	2830	2610	2730	2480	2120	2240	2220	2150	2190	2150	2000	2050
3	3570	2700	2850	2470	2120	2310	2190	2160	2180	2190	1960	2040
4	3570	3340	3420	2500	1680	2140	2180	2130	2150	1940	1880	1910
5	3470	3040	3240	2210	1620	1930	2150	2060	2110	3470	1910	2120
6	3170	2740	2890	2660	2280	2570	2180	2090	2130	8070	3410	5530
7	2670	2450	2570	2950	2650	2860	2160	2130	2140	9010	3040	6830
8	2670	2440	2560	3230	2650	3010	2160	2140	2150	2840	1630	2070
9	2770	2640	2690	2950	2450	2670	2140	2100	2120	2110	1600	1720
10	2640	2440	2510	3170	2850	3010	2120	2090	2100	3880	2210	3220
11	2510	2400	2450	9960	2370	3650	2120	2070	2090	4430	2100	3230
12	2960	2830	2900	2650	2160	2430	2110	2060	2080	2080	1800	1940
13	---	---	2850	2650	2340	2460	2220	2080	2150	1840	1770	1790
14	---	---	2800	2750	2360	2430	2350	2220	2280	2130	1850	2010
15	---	---	2700	2800	2620	2710	2750	2220	2310	2110	1200	1760
16	---	---	2600	2660	2590	2630	2350	2240	2310	1400	1160	1300
17	---	---	2500	2780	2590	2710	2300	2210	2260	1480	1270	1430
18	---	---	2400	2690	2620	2650	2280	2150	2220	1500	1400	1460
19	---	---	2300	2690	2510	2610	2240	2140	2190	1620	1370	1480
20	---	---	2200	2520	2270	2380	2290	2200	2240	1460	1380	1440
21	2140	2090	2120	2420	2320	2370	2270	2140	2210	1490	1410	1440
22	2840	2100	2340	2470	2340	2400	2200	2130	2150	1460	1200	1330
23	---	---	2320	2440	2310	2370	2200	2100	2150	1730	1190	1330
24	2400	2180	2300	2380	2260	2300	2240	2120	2190	2060	1770	1940
25	2350	2240	2280	2400	2330	2380	2180	2100	2140	3540	2090	2530
26	2310	1960	2150	2360	2210	2290	2610	2140	2310	8080	3130	4610
27	2240	2120	2190	2450	2290	2380	2590	2400	2530	3230	2140	2730
28	2270	2090	2160	2460	2190	2190	2440	2370	2400	2140	1550	1940
29	2540	2240	2380	2320	2190	2250	2370	2240	2300	1520	1170	1330
30	2500	2420	2460	2310	2210	2250	2390	2170	2270	1150	910	1010
31	---	---	---	2330	2220	2270	2310	2180	2220	---	---	---
MONTH	---	---	2550	9960	1620	2490	2750	2060	2210	9010	910	2260

	OCTOBER 1986			NOVEMBER 1986			DECEMBER 1986			JANUARY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	910	630	748	---	---	9090	---	---	2400	3490	3300	3370
2	760	700	728	---	---	6000	---	---	2800	3410	3250	3350
3	830	750	795	---	---	4000	---	---	3200	3480	3340	3430
4	1310	830	1100	---	---	6000	---	---	4300	3540	3320	3410
5	1490	1220	1390	---	---	3080	---	---	4000	3410	3270	3320
6	1360	990	1170	---	---	5730	---	---	3200	3280	3220	3250
7	970	770	842	---	---	5720	---	---	3400	3370	3230	3300
8	870	780	813	9320	3300	7120	---	---	3600	3250	3160	3200
9	820	790	810	8320	1750	3400	---	---	3700	3270	3190	3230
10	930	820	883	1740	1630	1680	---	---	3450	3250	3180	3220
11	910	860	892	1620	1500	1590	---	---	3450	3220	2940	3140
12	990	890	933	2180	1620	1810	---	---	3400	2920	2430	2770
13	1100	980	1030	2280	2100	2220	---	---	3400	2760	2670	2720
14	1130	580	1020	2430	2250	2330	---	---	3380	2850	2760	2820
15	4370	470	1810	6750	2420	3070	---	---	3380	2980	2860	2910
16	2590	1740	2030	9870	7140	9280	---	---	4000	3180	2980	3110
17	1700	1180	1370	9490	---	6080	---	---	3600	3190	3140	3170
18	1380	1190	1300	---	---	4400	9330	---	3800	3340	3180	3240
19	1360	1110	1200	---	---	2400	3410	2790	3210	3340	3230	3290
20	1460	1100	1270	---	2340	2370	3520	3290	3370	3350	3270	3320
21	1750	1430	1580	---	2370	2900	3420	3300	3350	---	---	3350
22	4300	1780	2260	---	---	2900	3410	3290	3340	---	---	4000
23	9720	3190	6790	---	---	3200	9560	3280	4340	9510	2690	4450
24	5690	1170	2000	---	---	3600	6160	3180	3400	3470	3260	3390
25	1700	1010	1200	---	---	3600	3440	3200	3310	3350	3250	3290
26	1050	910	978	---	---	3200	3420	3050	3280	3390	3330	3360
27	1140	1060	1110	---	---	3000	3520	3390	3430	3470	3360	3410
28	1490	1140	1340	---	---	2800	3460	3350	3400	3460	2980	3380
29	1310	1230	1250	---	---	2800	3480	3340	3410	3330	3070	3210
30	1660	1260	1340	---	---	2800	3440	3270	3350	3490	3260	3370
31	5140	1780	2800	---	---	---	3520	3370	3480	3410	3240	3320
MONTH	9720	470	1440	---	---	3940	---	---	3460	---	---	3290

TABLE 1.--Continued

11262900 MUD SLOUGH NEAR GUSTINE, CA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C)

	FEBRUARY 1987			MARCH 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
1	3230	3200	3210	---	---	3680
2	3200	3010	3120	---	---	3560
3	3060	2590	2870	---	---	3490
4	2630	2430	2580	---	---	3150
5	---	---	2650	---	---	2900
6	---	---	2580	---	---	2650
7	---	---	2600	---	---	2400
8	---	---	2600	---	---	2710
9	---	---	2600	---	---	2820
10	---	---	2600	---	---	3070
11	---	---	2580	---	---	3110
12	---	---	2580	---	---	3460
13	---	---	2400	---	---	3310
14	---	---	2300	---	---	3400
15	---	---	2300	---	---	3440
16	---	---	2400	---	---	3440
17	---	---	2500	---	---	3460
18	---	---	2570	---	---	3500
19	---	---	2960	---	---	3620
20	---	---	3100	---	---	3700
21	---	---	3240	3780	3490	3580
22	---	---	3440	3510	3310	3380
23	---	---	3440	3480	3250	3360
24	---	---	3460	3390	3250	3320
25	---	---	3560	3460	3320	3380
26	---	---	3790	3460	3380	3430
27	---	---	3720	3450	3370	3400
28	---	---	3620	3550	3430	3480
29	---	---	---	3420	3330	3380
30	---	---	---	3400	3220	3300
31	---	---	---	3350	3310	3330
MONTH	---	---	2910	---	---	3300

WATER TEMPERATURE (DEG. C)

	OCTOBER 1985			NOVEMBER 1985			DECEMBER 1985			JANUARY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	13.5	12.0	13.0	12.5	11.5	12.0
2	---	---	---	---	---	---	13.5	12.0	13.0	14.0	12.5	13.0
3	---	---	---	---	---	---	14.5	12.5	13.5	15.0	13.0	13.5
4	---	---	---	---	---	---	14.5	13.0	13.5	15.5	13.5	14.5
5	---	---	---	---	---	---	15.5	13.5	14.0	17.0	14.5	15.5
6	---	---	---	19.0	17.5	18.5	14.0	12.5	13.5	15.5	14.0	15.0
7	---	---	---	20.5	17.5	19.0	14.0	12.5	13.0	14.5	13.0	13.5
8	---	---	---	20.5	18.0	19.5	13.5	11.0	12.5	16.5	12.0	13.0
9	---	---	---	20.5	18.0	19.0	12.5	10.5	11.5	17.0	16.0	17.0
10	---	---	---	19.0	18.5	18.5	11.0	9.5	10.0	17.5	16.0	16.5
11	---	---	---	18.5	18.0	18.0	9.5	8.0	8.5	17.5	16.5	17.0
12	---	---	---	18.5	17.5	18.0	8.0	7.0	7.5	17.0	10.5	14.5
13	---	---	---	19.0	17.5	18.0	8.0	6.0	7.0	11.5	10.0	10.5
14	---	---	---	18.0	12.5	16.0	8.0	6.5	7.5	11.5	10.0	10.5
15	---	---	---	14.5	10.0	12.0	8.0	7.0	7.0	13.5	10.5	12.0
16	---	---	---	13.5	12.0	12.5	7.5	7.0	7.5	15.0	12.5	14.0
17	---	---	---	16.5	12.0	14.0	7.5	7.0	7.5	17.0	14.0	15.5
18	---	---	---	14.5	10.5	12.0	7.5	7.0	7.5	17.5	15.5	16.5
19	---	---	---	14.0	9.0	11.0	7.5	7.0	7.5	18.0	16.0	17.5
20	---	---	---	14.0	10.5	12.5	7.5	7.0	7.0	18.0	16.5	17.5
21	---	---	---	15.5	12.0	13.5	7.5	7.0	7.0	17.5	13.5	15.0
22	---	---	---	15.0	10.5	12.5	7.0	7.0	7.0	15.0	13.0	14.0
23	---	---	---	14.0	12.5	13.0	7.0	6.5	7.0	17.5	12.0	14.5
24	---	---	---	13.5	12.5	13.0	7.0	6.5	7.0	16.5	13.0	14.5
25	---	---	---	15.0	13.0	13.5	7.0	6.5	7.0	14.0	11.5	13.0
26	---	---	---	15.0	12.0	13.5	7.0	6.5	7.0	14.0	12.0	13.0
27	---	---	---	15.0	13.5	14.0	7.0	6.5	7.0	14.0	12.0	13.0
28	---	---	---	14.0	13.5	14.0	7.0	6.5	7.0	13.5	13.0	13.0
29	---	---	---	14.5	12.5	13.5	8.5	7.0	7.5	13.5	13.0	13.0
30	---	---	---	14.0	12.0	13.0	10.5	8.5	9.5	16.0	13.0	14.5
31	---	---	---	11.5	10.5	11.0	15.5	14.0	14.5			
MONTH	---	---	---	---	---	15.0	15.5	6.0	9.0	18.0	10.0	14.0

TABLE 1.--Continued

11262900 MUD SLOUGH NEAR GUSTINE, CA--Continued

WATER TEMPERATURE (DEG. C)

	FEBRUARY 1986			MARCH 1986			APRIL 1986			MAY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	15.5	13.5	14.5	18.0	15.5	16.5	20.0	17.0	18.5	19.0	16.0	17.5
2	16.0	14.0	15.0	18.5	15.0	16.5	16.5	13.0	14.5	24.0	15.0	19.0
3	15.0	14.0	14.5	19.5	15.0	17.0	16.5	11.5	14.0	20.0	16.5	18.0
4	15.5	12.0	13.5	20.5	16.0	18.0	17.5	13.0	15.5	21.5	14.5	18.0
5	15.5	11.5	13.5	21.0	16.5	18.5	16.0	14.5	15.5	20.0	15.0	17.5
6	17.0	11.5	13.0	18.5	17.0	17.5	16.5	14.0	15.5	18.0	13.5	16.0
7	16.5	12.5	14.5	18.0	17.0	17.5	18.5	14.0	16.0	22.0	11.5	18.5
8	14.0	11.0	13.0	17.5	14.5	16.5	19.0	14.5	17.0	23.0	20.0	21.0
9	14.5	8.5	11.5	14.5	12.0	13.5	20.0	15.0	17.5	26.5	19.5	21.5
10	14.5	9.0	11.5	12.0	10.5	11.5	21.5	16.5	19.0	23.5	19.0	21.0
11	12.5	10.0	11.5	14.0	10.5	12.5	22.0	17.5	19.5	23.0	18.5	20.5
12	12.0	11.0	11.5	14.5	12.0	13.5	18.5	15.0	16.5	23.0	18.5	21.0
13	15.0	12.0	13.5	13.5	12.0	12.5	17.0	13.0	15.0	24.5	19.5	22.0
14	15.5	14.5	15.0	13.5	11.0	12.0	18.5	13.5	16.0	23.5	21.0	22.0
15	15.5	14.0	14.5	12.5	10.0	11.0	17.0	14.0	15.5	23.5	20.5	22.0
16	15.0	14.5	15.0	11.0	9.0	10.0	16.0	13.0	15.0	23.5	20.0	22.0
17	15.5	14.0	14.5	13.0	9.5	11.0	17.5	13.5	15.5	26.0	21.0	23.5
18	17.0	15.0	16.0	13.0	10.5	12.0	18.0	13.0	15.5	28.0	23.0	25.5
19	17.0	15.5	16.5	15.0	11.5	13.5	21.0	14.5	17.5	27.0	23.5	25.5
20	16.5	14.5	15.5	17.0	13.5	15.5	23.0	17.0	20.0	25.5	21.5	23.5
21	16.5	14.0	15.5	18.0	15.0	16.5	24.5	19.0	21.5	23.0	20.0	21.0
22	16.5	12.5	14.5	19.5	16.0	17.5	23.0	19.0	21.0	20.0	18.0	19.5
23	17.0	14.0	15.5	18.5	16.5	17.5	21.0	16.0	18.5	22.5	20.0	21.5
24	18.0	15.0	16.5	18.0	15.5	17.0	20.5	15.0	17.5	23.5	19.0	21.0
25	18.0	15.0	16.5	18.0	14.5	16.5	21.0	16.0	18.0	26.5	20.5	22.5
26	18.0	16.5	17.0	19.0	15.0	17.0	17.5	14.5	16.0	27.5	23.0	24.5
27	17.5	16.5	17.0	20.5	16.5	18.5	21.0	14.0	17.0	28.0	23.5	25.5
28	17.0	15.5	16.5	21.0	18.0	19.5	23.0	16.5	19.5	28.0	23.0	25.0
29	---	---	---	21.0	18.0	19.5	19.5	14.5	17.0	28.5	23.0	25.5
30	---	---	---	20.0	17.0	18.5	20.5	15.0	17.5	29.0	23.5	26.0
31	---	---	---	20.5	17.0	19.0	---	---	---	28.0	23.0	25.5
MONTH	18.0	8.5	14.5	21.0	9.0	15.5	24.5	11.5	17.0	29.0	11.5	21.5

	JUNE 1986			JULY 1986			AUGUST 1986			SEPTEMBER 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	27.0	22.5	25.0	27.0	23.0	25.0	29.5	25.0	27.0	28.0	24.0	26.0
2	27.0	22.5	25.0	28.0	24.0	26.0	29.5	25.0	27.0	28.0	24.0	26.5
3	27.0	22.0	24.0	32.0	25.0	28.5	29.5	25.0	27.5	28.5	23.5	26.0
4	26.5	22.0	24.0	29.5	23.0	25.5	30.0	25.5	27.5	29.5	24.0	26.5
5	27.0	22.5	24.5	28.5	21.5	24.5	30.0	26.0	28.0	30.0	23.5	26.5
6	26.5	21.0	23.5	29.5	22.5	26.0	28.5	25.0	27.0	28.5	23.0	25.5
7	25.5	21.5	23.0	30.0	22.5	26.5	28.0	24.5	26.5	28.0	22.0	25.0
8	25.5	21.0	23.0	30.0	22.5	26.0	28.0	24.0	26.0	27.0	22.5	24.5
9	25.0	21.5	23.0	31.0	23.5	26.0	28.0	24.0	26.0	26.0	21.0	23.0
10	27.0	23.0	24.5	30.5	23.0	25.5	28.0	24.5	26.5	25.5	20.5	23.0
11	27.5	24.0	26.0	32.0	23.5	27.5	28.0	24.5	26.5	26.5	19.0	22.5
12	26.5	23.0	24.5	29.0	23.0	26.5	28.5	25.0	27.0	25.0	19.0	22.0
13	---	---	24.5	30.0	24.0	27.0	29.0	24.5	27.0	25.5	18.5	21.5
14	---	---	24.0	30.5	25.0	27.0	29.0	24.0	26.5	25.0	16.0	20.5
15	---	---	24.0	30.5	24.5	26.5	28.5	23.5	26.0	24.0	16.5	20.5
16	---	---	24.0	29.5	24.5	27.0	27.5	22.0	25.0	25.5	19.0	21.5
17	---	---	24.0	29.5	24.5	27.5	27.0	21.5	24.5	22.5	19.0	20.0
18	---	---	23.5	28.0	24.5	26.5	28.0	21.5	25.0	24.5	16.0	19.5
19	---	---	23.5	25.5	22.0	23.5	27.0	23.5	25.5	23.5	17.0	20.0
20	---	---	23.5	25.5	21.5	23.0	26.5	24.0	25.5	23.5	16.0	19.5
21	25.0	22.0	23.5	25.0	21.0	23.0	28.5	22.5	25.5	23.5	16.0	19.5
22	27.0	23.0	25.0	25.0	21.0	23.5	28.0	22.0	25.5	23.0	17.0	20.0
23	---	---	27.0	26.5	21.5	24.0	27.0	21.5	24.5	23.0	18.0	20.5
24	29.5	27.5	29.0	28.0	23.0	24.5	29.0	22.0	25.5	20.0	16.5	18.0
25	29.5	25.0	27.0	28.0	25.0	26.0	28.5	22.5	25.5	22.5	16.5	19.0
26	29.0	25.0	26.5	29.0	25.0	27.0	29.0	22.0	25.5	23.0	15.5	19.0
27	28.5	24.0	26.5	26.5	24.5	25.5	29.0	22.5	26.0	21.0	17.0	18.5
28	28.5	24.5	26.5	26.5	23.5	25.5	28.5	23.0	26.0	22.0	15.5	18.5
29	28.0	24.0	26.0	27.0	22.5	24.5	27.5	22.0	25.0	22.5	15.0	19.0
30	28.0	23.0	25.0	28.0	23.5	25.5	27.0	21.5	24.5	23.5	16.5	19.5
31	---	---	---	29.0	24.5	27.0	27.0	22.5	25.0	---	---	---
MONTH	---	---	25.0	32.0	21.0	25.5	30.0	21.5	26.0	30.0	15.0	21.5

TABLE 1.--Continued

11262900 MUD SLOUGH NEAR GUSTINE, CA--Continued

WATER TEMPERATURE (DEG. C)

	OCTOBER 1986			NOVEMBER 1986			DECEMBER 1986			JANUARY 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	21.0	17.0	19.0	18.5	12.5	15.5	12.0	7.5	9.5	10.5	9.0	10.0
2	20.0	15.5	17.5	19.0	13.0	15.5	12.5	7.5	9.0	10.0	8.5	9.0
3	21.0	15.5	18.0	19.0	14.0	16.0	12.5	8.0	9.5	10.0	9.0	9.5
4	21.5	16.0	18.5	19.5	14.5	16.5	12.5	10.0	11.0	12.0	8.5	10.0
5	22.5	17.5	19.5	18.0	13.5	16.0	12.0	10.5	11.5	11.5	8.5	10.0
6	24.5	17.5	21.0	13.5	10.0	12.0	13.0	10.5	11.5	10.0	8.5	9.0
7	23.0	19.0	21.5	13.5	10.0	11.5	13.0	9.0	10.5	10.5	8.0	9.0
8	23.5	19.0	21.5	14.0	10.0	11.5	13.0	9.5	10.5	9.5	7.0	8.0
9	24.0	18.5	21.0	14.0	9.5	11.5	12.0	8.5	10.0	9.0	7.0	7.5
10	23.0	18.5	20.5	14.5	9.5	12.0	10.5	10.0	10.5	8.0	7.0	7.5
11	22.0	17.5	19.5	15.0	10.5	12.5	10.0	9.5	10.0	7.5	6.5	7.0
12	21.5	16.5	19.0	15.5	12.0	13.5	---	---	10.5	6.5	6.0	6.5
13	21.5	16.5	19.0	15.5	12.5	14.0	---	---	11.0	10.5	5.5	8.0
14	21.5	16.5	19.0	15.0	12.0	13.5	---	---	11.5	9.5	5.0	7.5
15	21.5	17.5	19.5	14.0	11.5	12.5	---	---	11.5	12.5	4.0	7.5
16	21.0	16.0	18.5	15.0	12.5	13.5	---	---	12.0	12.0	4.5	8.0
17	20.5	15.5	18.0	15.0	13.5	14.0	---	---	12.0	8.0	2.5	5.0
18	19.5	15.5	17.5	15.0	14.0	14.5	13.5	10.5	12.5	6.5	3.0	5.0
19	19.5	16.0	17.5	16.0	13.5	14.5	11.5	10.0	10.5	9.0	3.5	6.0
20	19.5	16.5	18.0	16.5	12.5	14.0	12.5	9.5	10.5	8.5	4.0	6.5
21	20.0	17.0	18.5	15.5	12.5	13.5	10.5	8.5	9.5	9.0	4.5	6.5
22	21.5	17.5	19.0	14.5	10.0	12.0	10.0	9.0	9.5	11.0	7.0	8.5
23	19.5	16.0	17.5	14.5	10.5	12.5	12.5	9.5	10.5	10.5	7.5	8.5
24	20.5	16.0	18.0	14.5	9.5	12.0	13.0	10.5	11.5	10.0	8.5	9.0
25	20.5	17.0	18.5	13.5	9.5	11.5	12.5	11.0	11.5	12.0	8.0	10.0
26	20.5	18.0	19.0	13.0	9.0	10.5	11.5	9.0	10.0	12.5	9.0	10.5
27	21.0	18.5	20.0	13.0	8.5	10.5	11.0	10.5	10.5	11.0	10.0	10.5
28	20.0	18.0	19.0	11.5	8.5	10.0	11.0	10.5	10.5	12.0	9.5	10.5
29	19.5	17.5	18.5	13.0	9.0	10.5	11.0	10.0	10.5	12.5	9.5	11.0
30	19.5	17.5	18.5	12.0	8.0	10.0	10.5	9.5	10.0	12.0	10.0	10.5
31	18.0	14.0	16.0	---	---	---	11.0	10.0	10.5	13.0	9.0	11.0
MONTH	24.5	14.0	19.0	19.5	8.0	13.0	---	---	10.5	13.0	2.5	8.5

	FEBRUARY 1987			MARCH 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
1	12.0	9.0	10.5	14.5	11.0	12.5
2	10.5	9.5	10.0	14.5	11.5	13.0
3	12.5	10.0	10.5	15.0	12.5	13.5
4	12.5	9.0	10.0	14.0	13.0	13.5
5	12.5	12.5	12.5	14.0	12.5	13.0
6	---	---	12.5	15.0	12.0	13.5
7	---	---	13.0	15.0	12.5	14.0
8	---	---	13.0	16.0	13.0	14.5
9	---	---	13.5	17.0	12.5	14.5
10	---	---	13.5	---	---	14.5
11	---	---	14.0	---	---	16.0
12	---	---	13.5	---	---	16.5
13	---	---	13.0	---	---	16.5
14	---	---	12.5	---	---	15.5
15	---	---	12.0	---	---	15.0
16	---	---	11.5	---	---	14.5
17	---	---	11.5	---	---	14.0
18	12.0	10.5	11.5	---	---	14.5
19	11.5	9.0	10.5	---	---	14.0
20	12.0	9.0	10.5	---	---	13.0
21	11.5	9.5	10.5	13.5	12.0	12.5
22	12.0	9.0	10.5	14.5	11.0	13.0
23	11.5	9.0	10.0	14.0	12.0	13.0
24	11.5	9.0	10.0	14.5	11.5	13.0
25	12.5	9.5	10.5	16.0	12.0	14.0
26	12.5	9.5	10.5	17.0	13.0	15.0
27	13.0	10.0	11.0	16.0	13.5	14.5
28	13.5	10.5	11.5	15.5	11.5	13.5
29	---	---	---	17.0	12.5	15.0
30	---	---	---	19.0	14.5	16.5
31	---	---	---	19.0	16.0	17.5
MONTH	---	---	11.5	---	---	14.5

TABLE 1.--Continued

11272500 MERCED RIVER NEAR STEVINSON, CA

LOCATION.--Lat 37°22'15", long 120°55'46", in SW 1/4 NE 1/4 sec. 36, T.6 S., R.9 E., Merced County, Hydrologic Unit 18040002, on right bank 4.4 mi upstream from mouth, and 5.3 mi northwest of Stevinson.
DRAINAGE AREA.--1,273 mi^2.
PERIOD OF RECORD.--June 1985 to March 1987.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1985 to March 1987.
WATER TEMPERATURE: October 1985 to March 1987.
INSTRUMENTATION.--Minimonitor recorder since October 1985.
REMARKS.--Samples collected 3.2 mi downstream from gage. Streamflow records from gage site.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 640 microsiemens, Dec. 21, 1985; minimum daily, 35 microsiemens, Oct. 18, 1986.
WATER TEMPERATURE: Maximum recorded, 28.5°C, Aug. 4, 5, 1986; minimum recorded, 6.0°C, Jan. 15-17, 20, 1987.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L AS CACO3)	CALCIUM, DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
JUN 1985												
13...	1100	177	288	7.8	25.5	756	7.5	76	0	20	6.4	31
27...	1330	271	159	8.1	26.5	758	8.4	61	1	16	5.0	22
JUL												
16...	0800	208	253	7.9	24.0	755	6.8	68	1	18	5.7	27
30...	0800	210	193	7.8	21.5	759	6.8	58	0	15	5.0	17
AUG												
12...	1500	204	180	7.9	26.0	759	8.1	50	0	13	4.3	16
27...	1500	207	200	7.8	27.0	760	7.4	55	0	14	4.8	18
SEP												
10...	0830	211	171	7.5	17.5	761	7.6	53	0	14	4.3	17
24...	0815	225	207	7.6	19.5	762	7.4	57	0	15	4.7	20
OCT												
07...	1000	210	221	7.7	19.5	755	7.8	58	0	15	5.0	20
23...	0845	246	189	7.7	14.5	765	9.5	50	0	13	4.3	18
NOV												
06...	1145	246	171	7.6	15.0	765	9.5	46	0	12	4.0	16
21...	0845	220	219	7.6	10.0	767	10.2	60	0	16	4.9	20
DEC												
04...	0815	392	182	7.5	11.0	766	9.0	51	0	13	4.6	15
18...	0800	258	216	7.4	7.0	771	10.4	66	1	17	5.7	21
JAN 1986												
08...	0800	220	183	7.5	8.5	770	10.1	58	0	15	5.1	15
23...	0800	213	202	7.4	12.0	768	9.8	63	0	16	5.5	16
FEB												
05...	0830	407	167	7.4	11.5	767	9.1	51	0	13	4.5	9.0
20...	1000	1000	104	7.4	14.0	766	7.3	30	0	7.0	3.1	5.4
MAR												
04...	1200	470	119	7.5	19.0	767	7.7	41	1	10	4.0	7.5
18...	1015	4250	53	7.3	12.5	767	9.7	20	0	4.9	1.8	2.5
APR												
01...	1430	3450	52	7.5	13.0	760	10.8	20	0	5.1	1.7	2.4
15...	1130	2500	43	7.3	13.0	762	10.9	19	0	4.8	1.6	2.3
MAY												
06...	1030	2240	54	7.3	13.5	760	9.5	19	0	5.1	1.6	2.9
21...	0800	1330	57	7.4	15.5	763	8.6	21	0	5.6	1.8	3.5
JUN												
03...	0945	1170	71	7.5	19.0	760	8.3	23	0	6.1	1.9	4.9
17...	1215	440	120	7.5	23.0	765	7.6	39	0	9.9	3.4	9.4
JUL												
15...	1045	237	225	7.6	25.0	755	7.8	61	0	16	5.2	22
AUG												
26...	1030	281	180	7.6	24.0	760	7.8	46	0	12	4.0	15
SEP												
24...	1115	344	164	7.6	19.0	750	7.8	47	0	12	4.2	16
OCT												
22...	0945	596	82	7.4	15.0	760	9.1	22	0	5.2	2.1	10
NOV												
20...	0815	237	189	7.5	13.0	760	9.5	54	0	14	4.7	16
DEC												
16...	0815	226	174	7.4	8.0	760	10.4	54	0	14	4.7	17
JAN 1987												
22...	0830	199	244	7.4	7.0	765	11.2	65	0	17	5.5	25
FEB												
19...	0845	255	174	7.6	11.0	765	9.1	50	0	12	4.8	14
MAR												
25...	0815	240	152	7.8	13.0	760	9.2	56	0	14	5.0	14

TABLE 1.--Continued

11272500 MERCED RIVER NEAR STEVINSON, CA--Continued

WATER QUALITY DATA

DATE	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, CARBONATE IT-FLD (MG/L AS CAC03)	SULFATE, DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3, DISSOLVED (MG/L AS N)
JUN 1985												
13...	46	2	1.6	77	18	28	0.1	17	167	0.23	80	1.8
27...	43	1	1.5	60	12	22	<0.1	16	130	0.18	95	1.5
JUL												
16...	46	1	1.5	68	14	20	<0.1	18	156	0.21	88	1.7
30...	38	1	1.5	74	11	11	<0.1	15	122	0.17	69	1.2
AUG												
12...	40	1	1.3	72	11	11	<0.1	14	104	0.14	57	1.2
27...	41	1	1.3	62	21	12	0.1	16	113	0.15	63	1.3
SEP												
10...	41	1	1.2	54	10	14	<0.1	14	106	0.14	60	1.2
24...	43	1	1.1	60	11	15	<0.1	15	126	0.17	77	1.3
OCT												
07...	42	1	1.2	63	15	17	<0.1	17	134	0.18	76	1.8
23...	43	1	1.5	53	15	18	<0.1	14	126	0.17	84	1.5
NOV												
06...	42	1	1.2	50	6.1	27	<0.1	12	102	0.14	68	1.2
21...	41	1	1.0	61	12	22	<0.1	15	121	0.16	72	1.6
DEC												
04...	36	0.9	5.1	51	10	13	<0.1	15	109	0.15	115	1.7
18...	40	1	2.2	65	12	19	<0.1	16	133	0.18	93	1.9
JAN 1986												
08...	34	0.9	3.0	64	11	12	<0.1	14	103	0.14	61	1.9
23...	35	0.9	2.7	65	12	12	0.1	15	110	0.15	63	2.0
FEB												
05...	24	0.6	9.1	61	4.4	6.8	<0.1	11	94	0.13	103	1.1
20...	24	0.4	5.9	36	8.3	5.0	<0.1	15	69	0.09	186	0.52
MAR												
04...	27	0.5	2.1	41	8.6	5.2	<0.1	12	69	0.09	88	0.67
18...	20	0.3	1.8	22	7.0	1.4	<0.1	11	48	0.06	551	0.18
APR												
01...	20	0.2	1.0	22	4.8	1.1	<0.1	11	40	0.05	373	<0.10
15...	20	0.2	1.1	20	4.6	1.3	<0.1	10	33	0.05	223	0.11
MAY												
06...	23	0.3	1.2	21	5.4	5.8	<0.1	11	54	0.07	327	0.15
21...	25	0.3	1.0	25	--	1.9	<0.1	11	49	--	--	0.19
JUN												
03...	30	0.5	1.1	25	5.3	4.0	<0.1	11	53	0.07	167	0.37
17...	34	0.7	1.4	43	8.9	10	<0.1	14	81	0.11	96	0.96
JUL												
15...	43	1	1.9	66	14	17	<0.1	16	113	0.15	72	1.5
AUG												
26...	40	1	1.3	52	11	12	<0.1	14	119	0.16	90	1.2
SEP												
24...	41	1	1.6	52	10	14	<0.1	14	138	0.19	128	1.4
OCT												
22...	49	1	1.0	28	6.8	6.5	<0.1	10	71	0.10	114	0.56
NOV												
20...	38	1	1.5	58	12	12	<0.1	14	123	0.17	79	1.7
DEC												
16...	40	1	1.5	57	11	14	<0.1	16	109	0.15	67	1.8
JAN 1987												
22...	45	1	1.8	66	15	24	<0.1	16	145	0.20	78	2.4
FEB												
19...	36	0.9	3.1	54	12	10	<0.1	14	111	0.15	76	1.8
MAR												
25...	35	0.8	1.8	57	12	11	<0.1	12	96	0.13	62	1.4

TABLE 1.--Continued

11272500 MERCED RIVER NEAR STEVINSON, CA--Continued

WATER QUALITY DATA

DATE	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	NITROGEN, AMMONIA + ORGANIC, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP., SIEVE DIAM. % FINER THAN 0.062 MM	CHLOR-A PHYTOPLANKTON, CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON, CHROMO FLUOROM (UG/L)	CARBON, ORGANIC, TOTAL (MG/L AS C)
JUN 1985												
13...	0.08	0.10	0.70	0.08	0.06	0.05	20	9.6	--	--	--	--
27...	0.08	0.10	0.40	0.09	0.07	0.05	24	18	--	7.7	<0.10	--
JUL												
16...	0.06	0.08	0.20	0.07	0.06	0.05	18	10	--	0.80	<0.10	--
30...	0.08	0.10	0.60	0.08	0.06	0.06	29	16	87	1.1	<0.10	--
AUG												
12...	0.07	0.09	0.60	0.09	0.06	0.05	38	21	85	1.7	<0.10	--
27...	0.09	0.12	0.60	0.09	0.06	0.05	--	--	--	0.40	--	--
SEP												
10...	0.06	0.08	0.60	0.05	0.04	0.04	32	18	90	2.2	<0.10	--
24...	0.09	0.12	0.40	0.08	0.04	0.03	44	27	69	1.9	<0.10	--
OCT												
07...	0.05	0.06	0.40	0.06	0.04	0.04	28	16	91	1.0	0.10	12
23...	0.01	0.01	0.60	0.06	0.04	0.05	21	14	78	0.50	<0.10	--
NOV												
06...	0.01	0.01	0.40	0.04	0.03	0.03	12	8.0	81	0.70	0.10	--
21...	0.05	0.06	0.50	0.04	0.02	0.03	9	5.3	66	0.50	<0.10	--
DEC												
04...	0.17	0.22	1.0	0.16	0.09	0.10	25	26	85	1.8	0.40	--
18...	0.15	0.19	0.60	0.07	0.05	0.05	--	--	--	0.80	0.20	2.3
JAN 1986												
08...	0.10	0.13	0.40	0.09	0.06	0.05	10	5.9	87	1.1	0.20	2.3
23...	0.04	0.05	0.60	0.09	0.06	0.06	14	8.1	84	0.50	<0.10	2.3
FEB												
05...	1.2	1.5	3.0	1.0	0.72	0.66	60	66	87	9.2	1.6	19
20...	0.35	0.45	2.2	0.60	0.44	0.37	102	275	92	3.1	0.90	23
MAR												
04...	0.04	0.05	0.50	0.12	0.08	0.07	--	--	77	1.8	0.20	4.1
18...	0.09	0.12	0.60	0.13	0.07	0.07	55	631	79	1.0	0.30	5.5
APR												
01...	0.02	0.03	0.40	0.05	0.02	0.02	47	438	53	1.4	<0.10	2.8
15...	0.05	0.06	0.30	0.05	0.03	0.03	--	--	74	1.2	0.20	3.6
MAY												
06...	0.04	0.05	0.40	0.06	0.05	0.03	--	--	--	1.0	0.20	3.8
21...	0.04	0.05	0.40	0.07	0.02	0.02	--	--	--	0.50	<0.10	2.9
JUN												
03...	0.05	0.06	0.40	0.08	0.04	0.03	42	133	81	2.3	0.40	3.2
17...	0.05	0.06	0.40	0.09	0.04	0.04	46	55	71	0.90	<0.10	5.5
JUL												
15...	0.03	0.04	0.40	0.09	0.05	0.05	19	12	80	11	1.2	3.5
AUG												
26...	0.03	0.04	0.40	0.12	0.08	0.05	25	19	92	2.4	0.20	3.4
SEP												
24...	0.02	0.03	0.80	0.06	0.04	0.03	17	16	89	0.20	0.20	2.8
OCT												
22...	0.01	0.01	0.80	0.14	0.03	0.02	18	29	70	0.60	<0.20	2.5
NOV												
20...	0.02	0.03	0.40	0.06	0.04	0.03	9	5.8	81	0.60	<0.10	1.7
DEC												
16...	0.04	0.05	0.40	0.06	0.03	0.03	6	3.7	--	0.70	0.10	1.6
JAN 1987												
22...	0.06	0.08	0.50	0.07	0.05	0.04	7	3.8	72	0.70	<0.10	2.4
FEB												
19...	0.08	0.10	1.0	0.15	0.09	0.07	26	18	90	1.6	0.10	3.3
MAR												
25...	0.06	0.08	0.60	0.12	0.07	0.06	25	16	87	2.0	0.20	2.9

TABLE 1.--Continued

11272500 MERCED RIVER NEAR STEVINSON, CA--Continued

WATER QUALITY DATA

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC, TOTAL (UG/L AS AS)	ARSENIC, DISSOLVED (UG/L AS AS)	BORON, TOTAL RECOVERABLE (UG/L AS B)	BORON, DISSOLVED (UG/L AS B)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)
JUN 1985											
13...	290	<10	2	3	40	40	2	5	3	570	56
27...	500	20	2	<1	70	30	4	4	2	700	50
JUL											
16...	250	20	1	<1	30	30	<1	5	2	490	65
30...	520	20	2	1	20	20	19	6	1	890	76
AUG											
12...	620	10	2	1	50	20	7	4	1	1200	42
27...	740	10	2	2	40	20	6	6	2	1300	60
SEP											
10...	370	20	2	1	40	30	6	13	1	1100	34
24...	490	10	2	1	20	30	6	3	2	1100	31
OCT											
07...	400	40	2	1	50	30	8	4	2	740	71
23...	290	10	2	2	20	20	11	1	<1	620	38
NOV											
06...	190	<10	1	<1	30	20	6	6	1	470	46
21...	80	<10	1	<1	30	30	6	3	1	380	53
DEC											
04...	450	90	2	1	70	30	16	6	2	690	120
18...	300	<10	1	1	60	20	16	4	<1	640	68
JAN 1986											
08...	140	<10	1	1	20	20	6	3	1	480	67
23...	220	<10	1	1	20	10	8	3	<1	710	48
FEB											
05...	840	20	3	2	30	20	10	5	<1	2100	28
20...	3300	720	2	1	10	30	14	14	4	4600	440
MAR											
04...	180	<10	1	1	10	<10	9	3	<1	470	79
18...	640	200	1	<1	<10	<10	25	5	2	1100	160
APR											
01...	570	50	<1	<1	20	20	7	4	2	860	64
15...	320	60	1	<1	10	<10	4	14	2	490	90
MAY											
06...	3300	300	1	1	<10	<10	18	7	3	5800	350
21...	890	30	1	<1	20	10	9	6	<1	1700	100
JUN											
03...	520	20	--	<1	30	<10	10	9	3	1100	72
17...	500	10	1	1	20	20	11	5	1	1100	100
JUL											
15...	510	10	2	1	80	30	8	5	2	740	65
AUG											
26...	290	<10	1	1	<10	20	3	3	2	800	70
SEP											
24...	260	<10	2	1	30	30	3	5	2	650	71
OCT											
22...	230	<10	1	1	<10	10	--	--	1	550	40
NOV											
20...	130	<10	1	<1	<10	20	<1	6	<1	400	75
DEC											
16...	110	<10	1	<1	20	20	<1	5	<1	390	55
JAN 1987											
22...	110	<10	1	1	30	40	<1	3	1	400	37
FEB											
19...	690	120	1	1	40	20	11	11	2	1200	140
MAR											
25...	290	<10	1	1	20	20	<1	3	<1	850	93

TABLE 1.--Continued

11272500 MERCED RIVER NEAR STEVINSON, CA--Continued

WATER QUALITY DATA

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
JUN 1985											
13...	<1	60	26	1	3	8	1	<1	<1	10	10
27...	4	50	14	1	<2	10	<2	<1	<1	60	9
JUL											
16...	1	60	19	2	2	5	2	<1	<1	10	10
30...	<1	90	29	2	2	7	<1	<1	<1	10	4
AUG											
12...	2	120	23	<1	2	6	1	<1	<1	30	16
27...	2	100	24	<1	1	4	1	<1	<1	10	12
SEP											
10...	<1	110	16	1	<1	9	2	<1	<1	20	6
24...	<1	100	13	3	1	8	4	<1	<1	20	10
OCT											
07...	<1	90	15	1	<1	<1	2	<1	<1	<10	6
23...	<1	70	10	5	1	12	4	<1	<1	<10	3
NOV											
06...	1	50	15	1	1	20	68	<1	<1	<10	5
21...	<1	50	19	1	2	2	2	<1	<1	<10	8
DEC											
04...	<1	80	12	1	1	2	<1	<1	<1	<10	10
18...	<1	60	23	1	5	5	2	<1	<1	30	12
JAN 1986											
08...	1	50	17	<1	1	7	<1	<1	<1	<10	8
23...	<1	70	14	<1	1	<1	<1	<1	<1	<10	<3
FEB											
05...	<1	230	13	<1	<5	3	<1	<1	<1	30	13
20...	20	150	10	<1	2	11	1	<1	<1	50	10
MAR											
04...	21	80	41	1	<5	--	3	<1	<1	<10	10
18...	17	70	9	<1	1	<1	2	<1	<1	10	8
APR											
01...	17	40	8	1	1	<1	1	<1	<1	<10	10
15...	4	30	12	1	1	9	<1	<1	<1	20	8
MAY											
06...	4	380	44	1	<1	7	<1	<1	<1	20	<3
21...	6	100	15	<1	<10	--	<1	<1	<1	<10	9
JUN											
03...	3	90	14	<1	1	23	5	<1	<1	10	6
17...	<5	80	36	<1	1	33	1	<1	<1	10	7
JUL											
15...	<5	90	56	1	1	4	4	<1	<1	20	12
AUG											
26...	<5	90	20	3	1	7	1	<1	<1	20	<10
SEP											
24...	<5	70	19	4	4	<1	<1	<1	<1	160	14
OCT											
22...	<5	60	20	15	3	5	<1	<1	<1	150	<10
NOV											
20...	<5	50	27	5	3	<1	<1	<1	<1	<10	<3
DEC											
16...	7	50	24	6	1	<1	<1	<1	<1	<10	3
JAN 1987											
22...	<5	60	33	8	5	3	<1	<1	<1	<10	13
FEB											
19...	16	80	16	2	1	5	2	<1	<1	<10	8
MAR											
25...	<5	80	19	<1	1	3	1	<1	<1	20	9

TABLE 1.--Continued

11272500 MERCED RIVER NEAR STEVINSON, CA--Continued

WATER QUALITY DATA

DATE	TIME	DI-CHLORO-BROMO-METHANE, TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE, TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE, TOTAL (UG/L)	BROMO-FORM, TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE, TOTAL (UG/L)	CHLORO-FORM, TOTAL (UG/L)	TOLUENE, TOTAL (UG/L)	BENZENE, TOTAL (UG/L)	CHLORO-BENZENE, TOTAL (UG/L)	CHLORO-ETHANE, TOTAL (UG/L)
SEP 1985 24...	0815	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

DATE	ETHYL-BENZENE, TOTAL (UG/L)	METHYL-BROMIDE, TOTAL (UG/L)	METHYL-ENE CHLO-RIDE, TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE, TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE, TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE, TOTAL (UG/L)	1,1-DI-CHLORO-ETHYL-ENE, TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE, TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE, TOTAL (UG/L)	1,1,2,2 TETRA-CHLORO-ETHANE, TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE, TOTAL (UG/L)
SEP 1985 24...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

DATE	1,2-TRANSDI CHLORO-ETHYL-ENE, TOTAL (UG/L)	1,3-DI-CHLORO-PROPANE, TOTAL (UG/L)	2-CHLORO-ETHYL-VINYL-ETHER, TOTAL (UG/L)	DI-CHLORO-DI-FLUORO-METHANE, TOTAL (UG/L)	PRO-PAZINE, TOTAL (UG/L)	METHO-MYL, TOTAL (UG/L)	PROPHAM, TOTAL (UG/L)	SIME-TRYNE, TOTAL (UG/L)	SIMA-ZINE, TOTAL (UG/L)	PROME-TONE, TOTAL (UG/L)
SEP 1985 24...	<3.0	<3.0	<3.0	<3.0	<0.10	<2.0	<2.0	<0.1	<0.10	<0.1

DATE	PROME-TRYNE, TOTAL (UG/L)	VINYL CHLO-RIDE, TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	ATRA-ZINE, TOTAL (UG/L)	PICLO-RAM (TOR-DON) (AMDON), TOTAL (UG/L)
SEP 1985 24...	<0.1	<3.0	<3.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.10	<0.01

DATE	2,4-D, TOTAL (UG/L)	2,4,5-T, TOTAL (UG/L)	SEVIN, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	CYAN-AZINE, TOTAL (UG/L)	DICAMBA (MED-IBEN) (BAN-VEL D), TOTAL (UG/L)	2,4-DP, TOTAL (UG/L)	AME-TRYNE, TOTAL (UG/L)
SEP 1985 24...	<0.01	<0.01	<2.0	<0.01	<0.01	<0.01	<0.10	<0.01	<0.01	<0.10

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	LINDANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT 1985 07...	1000	221	7.7	19.5	755	7.8	<1.0	<0.1	<0.1	<1.0	3.9	4.2

DATE	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE, TOT. IN BOTTOM MATL. (UG/KG)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT 1985 07...	49	0.3	<0.1	<0.1	<10	<0.1	<0.1	<0.1	<1	<0.1	<1.0

TABLE 1.--Continued

11272500 MERCED RIVER NEAR STEVINSON, CA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C)

	OCTOBER 1985			NOVEMBER 1985			DECEMBER 1985			JANUARY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	188	113	150	---	---	160	---	---	185	393	327	361
2	105	72	87	---	---	165	---	---	180	423	329	379
3	122	74	95	---	---	165	---	---	180	494	294	391
4	166	119	141	---	---	165	224	157	195	413	196	262
5	201	159	180	---	---	170	216	163	192	197	181	187
6	301	173	209	---	---	170	215	99	159	224	186	192
7	229	173	214	---	---	170	177	113	155	186	177	180
8	380	221	281	---	---	170	193	115	161	181	178	179
9	464	205	254	---	---	170	186	125	164	183	181	182
10	502	203	302	---	---	165	209	115	170	184	178	181
11	268	231	247	---	---	160	271	185	220	187	178	182
12	272	222	245	---	---	155	319	224	270	192	185	189
13	263	208	232	---	---	160	365	241	303	202	192	195
14	222	178	197	---	---	160	347	256	311	200	194	196
15	270	196	216	---	---	160	362	274	323	199	192	195
16	273	206	227	---	---	165	375	296	340	195	190	192
17	294	193	227	---	---	165	368	292	338	196	189	192
18	288	215	231	---	---	165	604	288	358	190	184	187
19	294	217	234	---	---	170	371	326	349	184	176	180
20	249	211	236	---	---	175	374	320	351	178	172	175
21	260	171	214	---	---	180	640	193	347	181	175	177
22	204	158	180	---	---	180	383	312	345	189	181	184
23	193	168	181	---	---	180	364	326	345	189	182	186
24	195	170	182	---	---	180	364	321	343	190	182	186
25	187	108	156	---	---	175	388	312	353	187	179	182
26	117	93	103	---	---	170	387	315	352	188	166	173
27	183	114	143	---	---	170	386	186	295	177	174	175
28	186	157	169	---	---	170	399	222	276	182	175	179
29	171	145	162	---	---	170	402	334	374	188	183	186
30	163	139	150	---	---	165	400	321	366	196	161	184
31	---	---	155	---	---	---	424	330	377	166	157	160
MONTH	502	72	194	---	---	168	---	---	280	494	157	205

	FEBRUARY 1986			MARCH 1986			APRIL 1986			MAY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	166	---	---	115	52	45	52	57	54	55
2	---	---	166	---	---	116	52	44	48	55	51	53
3	---	---	165	---	---	118	54	52	53	53	49	50
4	---	---	166	---	---	120	59	54	57	57	53	55
5	---	---	167	---	---	118	57	49	53	59	57	58
6	---	---	167	---	---	118	52	48	50	59	47	53
7	---	---	166	---	---	115	53	47	50	50	47	48
8	---	---	166	---	---	100	48	44	47	50	48	49
9	---	---	165	---	---	90	50	44	47	50	48	49
10	---	---	164	---	---	80	54	49	51	50	49	50
11	---	---	164	---	---	70	50	43	46	49	47	48
12	---	---	163	---	---	60	51	50	51	49	45	47
13	---	---	162	---	---	58	51	47	48	50	48	48
14	---	---	155	---	---	57	46	45	45	53	49	51
15	---	---	150	---	---	56	45	43	44	54	51	52
16	---	---	150	---	---	55	45	42	44	55	52	53
17	---	---	140	---	---	54	47	44	45	55	50	53
18	---	---	120	---	---	53	49	47	48	52	50	51
19	---	---	114	---	---	53	57	49	55	55	49	51
20	---	---	104	---	---	53	57	53	56	57	55	56
21	---	---	100	---	---	53	57	49	53	58	56	57
22	---	---	103	---	---	52	50	42	46	60	57	59
23	---	---	104	---	---	53	45	42	44	61	59	60
24	---	---	106	---	---	53	46	43	45	66	62	64
25	---	---	108	---	---	54	47	45	46	66	65	65
26	---	---	110	---	---	54	48	46	47	66	64	65
27	---	---	112	---	---	54	48	46	46	66	65	65
28	---	---	114	---	---	53	47	44	45	66	64	65
29	---	---	---	---	---	52	52	44	48	72	67	69
30	---	---	---	---	---	52	59	50	53	78	71	75
31	---	---	---	---	---	52	---	---	---	72	70	71
MONTH	---	---	141	---	---	72	59	42	49	78	45	56

TABLE 1.--Continued

11272500 MERCED RIVER NEAR STEVINSON, CA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C)

	JUNE 1986			JULY 1986			AUGUST 1986			SEPTEMBER 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	71	70	70	209	152	166	250	175	210	214	176	192
2	72	70	71	197	166	181	266	216	245	239	179	198
3	71	66	69	223	170	188	286	223	246	317	228	261
4	69	65	67	216	168	196	253	187	207	308	241	264
5	70	66	68	258	176	198	242	171	206	279	230	253
6	70	67	69	279	160	202	279	220	239	268	191	219
7	69	63	65	207	156	177	246	208	226	231	161	198
8	63	60	61	234	188	206	294	223	262	224	145	174
9	61	57	59	300	224	254	291	228	255	284	172	208
10	66	58	60	291	231	259	240	185	213	246	174	210
11	76	68	72	329	238	263	235	181	198	201	154	178
12	78	76	77	391	218	266	225	166	188	191	146	167
13	84	79	80	344	208	251	238	192	217	183	123	152
14	101	84	87	267	206	237	262	217	239	234	132	157
15	107	103	104	292	222	230	283	231	262	235	124	144
16	116	107	114	318	233	273	288	223	255	200	132	167
17	148	111	122	331	262	290	254	198	221	205	148	178
18	172	117	133	306	203	245	228	173	201	172	140	152
19	172	110	133	241	196	216	254	186	216	178	143	160
20	181	127	139	246	178	214	236	199	219	194	145	158
21	181	130	150	270	187	215	244	179	208	205	137	165
22	265	140	157	300	188	244	233	197	218	188	133	151
23	206	130	155	287	204	231	224	191	212	214	145	176
24	171	134	147	280	215	245	208	178	192	182	119	147
25	161	136	143	247	180	223	235	183	196	145	88	114
26	187	140	161	240	199	220	218	177	194	130	106	117
27	194	153	177	223	174	195	260	205	226	155	98	122
28	244	153	177	343	152	194	336	199	254	146	100	128
29	207	136	161	292	146	186	255	205	231	138	113	126
30	156	130	140	271	164	208	239	205	222	247	114	145
31	---	---	---	251	178	202	239	187	203	---	---	---
MONTH	265	57	110	391	146	222	336	166	222	317	88	173

	OCTOBER 1986			NOVEMBER 1986			DECEMBER 1986			JANUARY 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	198	135	156	179	166	171	172	169	171	197	176	180
2	165	132	152	181	167	175	170	163	166	181	176	179
3	165	125	142	195	178	186	187	171	180	180	174	177
4	197	133	159	223	186	199	188	184	186	176	170	174
5	218	129	156	216	189	195	189	183	186	168	148	156
6	152	126	140	203	187	194	188	178	184	171	151	164
7	166	157	160	201	183	190	178	174	176	174	171	172
8	171	137	150	201	178	193	188	176	178	177	173	175
9	208	142	155	179	168	173	193	178	180	178	173	175
10	206	169	188	189	168	175	266	179	187	181	176	179
11	260	164	184	213	186	193	190	179	182	183	181	182
12	219	163	183	206	184	192	181	179	180	184	182	183
13	226	166	184	204	183	190	181	179	180	184	183	183
14	204	127	166	211	186	192	195	178	184	191	185	188
15	249	140	170	210	180	185	180	176	178	269	188	192
16	176	81	133	180	175	178	176	174	175	284	178	218
17	78	53	64	184	175	178	182	176	181	228	156	198
18	67	35	48	183	178	181	180	176	178	276	160	229
19	91	52	63	188	183	185	180	177	179	265	167	203
20	81	57	69	188	182	184	178	174	176	337	165	216
21	85	67	74	182	179	181	174	170	172	276	166	210
22	133	79	89	183	179	181	177	172	175	310	163	227
23	85	71	77	182	179	180	180	173	177	344	184	254
24	77	70	74	181	179	180	177	171	173	337	188	252
25	74	68	70	181	174	177	181	175	179	336	170	257
26	73	65	68	180	175	177	182	175	178	267	166	203
27	82	68	74	181	170	173	182	176	178	244	171	183
28	101	70	83	174	172	173	182	180	181	361	152	220
29	99	85	89	171	165	167	181	177	178	196	148	177
30	106	81	90	172	167	169	178	175	177	255	177	204
31	166	104	141	---	---	---	180	177	178	210	188	197
MONTH	260	35	121	223	165	182	266	163	178	361	148	197

TABLE 1.--Continued

11272500 MERCED RIVER NEAR STEVINSON, CA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C)

	FEBRUARY 1987			MARCH 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
1	208	191	201	178	171	175
2	204	194	198	172	167	169
3	193	171	181	194	172	178
4	378	173	189	193	175	183
5	200	189	193	177	138	156
6	196	192	194	195	89	137
7	194	189	192	119	85	98
8	192	182	186	112	86	95
9	194	192	193	114	103	109
10	---	---	192	129	115	124
11	---	---	195	143	126	133
12	---	---	192	166	143	152
13	---	---	185	166	158	162
14	---	---	170	164	148	153
15	---	---	140	213	130	148
16	---	---	155	128	102	111
17	---	---	150	147	106	128
18	---	---	170	161	149	158
19	199	174	177	205	159	171
20	187	179	183	180	166	173
21	184	180	182	165	155	160
22	186	177	181	169	153	162
23	186	182	184	161	150	155
24	183	176	180	162	149	157
25	188	179	183	153	147	150
26	187	177	181	156	136	143
27	185	177	179	370	136	172
28	178	174	176	432	191	310
29	---	---	---	193	150	162
30	---	---	---	278	140	184
31	---	---	---	341	140	223
MONTH	---	---	182	432	85	158

WATER TEMPERATURE (DEG. C)

	OCTOBER 1985			NOVEMBER 1985			DECEMBER 1985			JANUARY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	21.0	18.0	19.5	17.0	14.0	15.5	---	---	11.0	11.0	10.0	10.5
2	19.5	18.0	19.0	17.5	14.5	15.5	---	---	11.0	11.5	10.5	11.0
3	20.5	17.5	19.0	17.5	14.5	15.5	---	---	12.0	12.5	11.0	11.5
4	21.5	18.0	19.5	17.5	15.0	16.0	12.0	11.5	12.0	13.0	11.5	12.0
5	21.5	18.5	20.0	16.5	14.5	15.5	12.5	11.5	12.0	14.0	12.0	13.0
6	21.5	19.0	20.0	16.0	13.5	14.5	12.0	11.5	12.0	13.0	11.5	12.0
7	21.0	19.0	20.0	16.0	13.5	15.0	12.5	12.0	12.0	12.0	11.0	11.5
8	20.5	17.5	19.0	16.0	13.5	14.5	12.0	11.0	11.5	13.5	10.5	12.0
9	18.0	15.5	17.0	15.5	12.5	14.0	11.5	10.5	11.0	13.5	13.0	13.0
10	18.5	15.0	16.5	13.5	12.5	13.0	10.5	10.0	10.5	13.0	12.5	13.0
11	19.0	15.5	17.0	13.0	12.0	12.5	10.0	9.0	9.5	12.5	12.5	12.5
12	19.0	16.0	17.5	13.5	11.0	12.0	10.0	9.0	9.5	12.5	12.0	12.0
13	18.0	15.5	17.0	13.5	10.5	11.5	10.0	8.0	9.0	12.5	12.0	12.0
14	18.0	15.0	16.5	13.5	10.0	11.5	9.5	8.5	9.0	12.5	12.0	12.0
15	18.0	14.5	16.5	13.5	11.5	12.0	9.5	8.5	9.0	13.5	12.0	12.5
16	18.0	15.0	16.5	14.0	12.0	13.0	9.0	8.5	8.5	14.0	13.0	13.5
17	18.5	15.0	16.5	13.0	12.0	12.0	9.0	8.5	8.5	15.0	13.5	14.0
18	18.0	15.0	16.5	---	---	11.0	9.5	8.0	8.5	14.5	14.0	14.0
19	18.0	15.0	16.5	---	---	10.5	8.5	8.0	8.0	14.5	14.0	14.0
20	16.5	15.0	16.0	---	---	10.5	8.5	8.0	8.0	14.5	14.0	14.0
21	16.5	15.0	16.0	---	---	11.0	9.0	7.5	8.0	14.5	13.5	14.0
22	17.0	14.5	15.5	---	---	10.5	8.0	7.5	8.0	14.0	13.0	13.5
23	17.5	14.5	16.0	---	---	11.0	8.0	7.5	8.0	14.5	13.5	14.0
24	18.0	15.0	16.5	---	---	11.5	8.0	7.5	8.0	14.5	13.0	13.5
25	18.0	15.5	16.5	---	---	12.0	8.0	7.5	8.0	14.0	12.5	13.5
26	18.0	15.5	16.5	---	---	12.0	8.0	7.5	7.5	14.0	12.5	13.5
27	18.0	15.0	16.5	---	---	12.5	7.5	7.0	7.5	13.5	13.0	13.5
28	17.5	15.5	16.5	---	---	12.0	8.0	7.0	7.5	13.5	13.0	13.5
29	17.0	14.5	16.0	---	---	11.5	9.0	8.0	8.5	13.5	13.5	13.5
30	16.5	14.5	15.5	---	---	11.0	10.5	9.0	9.5	15.0	13.5	14.0
31	16.5	14.0	15.0	---	---	---	10.5	10.0	10.5	15.0	14.0	14.5
MONTH	21.5	14.0	17.0	---	---	12.5	---	---	9.5	15.0	10.0	13.0

TABLE 1.--Continued

11272500 MERCED RIVER NEAR STEVINSON, CA--Continued

WATER TEMPERATURE (DEG. C)

	FEBRUARY 1986			MARCH 1986			APRIL 1986			MAY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	15.0	13.5	14.5	17.5	17.0	17.5	14.5	13.5	14.0	15.5	15.0	15.0
2	15.5	14.5	15.0	18.0	17.5	17.5	13.5	13.0	13.5	15.5	15.0	15.5
3	15.0	14.5	15.0	18.0	17.5	18.0	13.5	12.5	13.0	15.5	15.0	15.5
4	15.0	14.0	14.5	18.5	17.5	18.0	13.0	13.0	13.0	15.5	14.5	15.0
5	14.5	13.5	14.0	18.5	18.0	18.5	13.5	13.0	13.0	14.5	14.0	14.5
6	14.0	13.5	13.5	18.5	18.0	18.5	13.5	13.5	13.5	14.5	14.5	14.5
7	14.0	12.5	13.0	18.5	17.5	18.0	13.5	13.5	13.5	14.5	14.0	14.0
8	13.5	12.5	13.0	17.5	16.5	17.0	14.0	13.0	13.5	15.0	14.0	14.5
9	13.0	12.0	12.5	16.0	15.0	15.0	14.5	13.5	13.5	15.5	15.0	15.0
10	13.5	12.0	12.5	15.0	14.0	14.5	14.5	14.0	14.0	16.0	15.5	15.5
11	13.0	12.0	12.5	14.0	13.5	13.5	15.0	14.0	14.5	16.0	15.5	16.0
12	13.0	12.5	12.5	14.0	13.5	14.0	15.0	14.5	14.5	16.0	15.5	16.0
13	14.5	13.0	14.0	14.0	14.0	14.0	14.5	13.5	14.0	17.0	16.0	16.0
14	14.5	14.0	14.0	14.0	14.0	14.0	14.0	13.5	13.5	17.0	16.0	16.5
15	14.5	13.5	14.0	14.0	13.5	13.5	14.0	13.5	14.0	17.0	16.0	16.5
16	14.5	14.5	14.5	13.5	13.5	13.5	14.0	13.5	13.5	17.0	16.0	16.5
17	14.5	14.5	14.5	13.5	13.0	13.5	13.5	13.0	13.5	17.5	16.0	16.5
18	15.0	14.5	14.5	13.5	12.5	13.0	14.0	13.5	13.5	17.5	16.5	17.0
19	15.0	15.0	15.0	13.5	12.5	13.0	14.5	14.0	14.0	18.0	16.5	17.0
20	16.0	15.0	15.5	14.0	13.0	13.5	15.0	14.0	14.5	17.0	16.5	16.5
21	15.5	15.5	15.5	14.0	13.5	14.0	15.5	14.5	15.0	16.5	16.0	16.0
22	16.0	15.5	15.5	14.5	13.5	14.0	16.5	15.5	16.0	15.5	15.5	15.5
23	16.0	15.5	15.5	14.0	13.5	14.0	16.5	15.5	16.0	15.5	15.5	15.5
24	16.0	15.5	16.0	14.0	13.5	14.0	15.5	15.0	15.0	16.0	15.5	15.5
25	16.5	16.0	16.0	14.0	13.5	14.0	15.5	15.0	15.0	17.0	16.0	16.5
26	17.0	16.5	16.5	14.0	13.5	14.0	15.5	14.5	15.0	18.0	17.0	17.5
27	17.0	16.5	16.5	14.5	13.5	14.0	15.5	14.5	15.0	19.0	18.0	18.5
28	17.5	16.5	17.0	15.0	14.0	14.5	15.5	15.0	15.0	19.5	19.0	19.0
29	---	---	---	15.0	14.0	14.5	16.0	15.5	15.5	20.0	19.5	19.5
30	---	---	---	15.0	14.0	14.5	16.0	15.0	15.5	21.0	20.0	20.0
31	---	---	---	14.5	14.0	14.5	---	---	---	21.0	20.5	20.5
MONTH	17.5	12.0	14.5	18.5	12.5	15.0	16.5	12.5	14.0	21.0	14.0	16.5

	JUNE 1986			JULY 1986			AUGUST 1986			SEPTEMBER 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	20.5	20.5	20.5	26.5	22.5	24.5	27.5	23.5	25.5	27.0	23.0	25.0
2	20.5	20.0	20.5	27.0	23.0	25.0	27.5	23.5	25.5	27.0	23.5	25.0
3	20.5	20.0	20.5	27.0	23.5	25.0	28.0	24.0	26.0	27.0	23.0	25.0
4	---	---	21.5	25.5	22.5	24.0	28.5	24.0	26.5	27.5	23.0	25.0
5	---	---	21.0	25.5	22.0	24.0	28.5	24.0	26.5	27.5	23.5	25.5
6	---	---	21.0	26.0	22.5	24.0	28.0	23.5	26.0	27.0	23.5	25.5
7	---	---	21.0	25.5	22.5	24.0	27.5	23.5	25.5	27.0	23.0	25.0
8	---	---	21.0	26.5	22.5	24.5	27.5	23.0	25.0	26.0	22.5	24.0
9	---	---	21.0	26.0	22.0	24.5	27.5	22.5	25.0	25.0	21.5	23.0
10	---	---	23.0	26.5	22.0	24.0	27.5	23.5	25.0	24.5	21.0	22.5
11	---	---	23.0	27.0	23.0	25.0	27.5	23.5	25.5	25.0	21.0	23.0
12	---	---	22.0	28.0	23.5	25.5	28.0	24.0	26.0	24.0	21.0	22.5
13	---	---	22.5	28.0	23.0	25.5	27.5	23.5	25.5	23.5	20.5	22.0
14	---	---	21.5	28.0	23.5	25.5	27.5	23.5	25.5	23.0	20.0	21.5
15	---	---	22.0	28.0	20.5	25.5	26.5	22.5	24.5	23.0	19.5	21.5
16	---	---	21.0	26.0	22.0	24.5	26.0	22.0	24.0	22.5	20.0	21.0
17	24.0	---	21.5	25.5	21.5	23.5	25.5	22.0	24.0	21.0	20.0	20.5
18	23.5	20.5	22.0	26.0	21.5	24.0	26.5	22.0	24.5	22.0	18.5	20.0
19	23.5	19.5	21.5	26.0	21.5	24.0	26.5	23.0	24.5	21.5	19.0	20.5
20	24.0	20.0	22.0	27.0	22.0	24.5	25.5	23.5	24.5	21.5	19.0	20.0
21	25.0	20.5	23.0	27.0	23.0	25.0	26.5	22.5	24.5	22.0	18.5	20.0
22	26.0	21.5	24.0	26.0	22.5	24.5	26.5	22.5	24.5	22.0	18.5	20.5
23	26.0	22.5	24.5	25.5	22.0	24.0	26.0	22.0	24.0	22.0	19.5	20.5
24	26.5	23.0	24.5	25.5	22.0	24.0	27.0	22.5	24.5	20.5	19.0	19.5
25	26.5	23.0	24.5	26.5	22.0	24.0	26.5	23.0	24.5	20.5	18.0	19.0
26	26.0	23.0	24.5	26.0	22.0	24.0	27.0	23.0	25.0	20.0	18.0	19.0
27	26.0	22.0	24.0	26.5	22.5	24.0	27.5	23.0	25.0	20.0	18.5	19.0
28	25.0	22.5	24.0	26.0	22.0	24.0	26.5	23.0	25.0	20.0	17.5	19.0
29	25.0	22.0	23.5	26.0	21.5	24.0	26.5	22.5	24.0	20.0	17.5	18.5
30	25.5	22.0	23.5	26.5	22.5	24.5	26.0	22.0	24.0	20.5	17.5	19.0
31	---	---	---	28.0	23.0	25.5	26.5	22.5	24.5	---	---	---
MONTH	---	---	22.5	28.0	20.5	24.5	28.5	22.0	25.0	27.5	17.5	21.5

TABLE 1.--Continued

11272500 MERCED RIVER NEAR STEVINSON, CA--Continued

WATER TEMPERATURE (DEG. C)

	OCTOBER 1986			NOVEMBER 1986			DECEMBER 1986			JANUARY 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	20.0	18.0	19.0	16.0	14.0	15.0	11.0	9.5	10.5	10.0	9.5	10.0
2	19.0	16.5	18.0	16.0	13.5	15.0	11.0	9.5	10.5	10.0	9.5	10.0
3	19.5	16.5	18.0	15.5	13.5	14.5	11.0	9.5	10.5	10.5	9.5	10.0
4	20.0	17.0	18.5	16.0	13.5	14.5	11.0	10.0	10.5	11.0	9.5	10.5
5	20.0	17.0	18.5	15.5	13.5	14.5	11.5	10.5	11.0	10.5	9.0	10.0
6	20.5	17.5	19.0	14.5	12.5	13.5	12.0	11.0	11.5	10.0	9.0	9.5
7	21.0	18.0	19.5	13.5	11.5	13.0	11.5	10.0	10.5	10.5	9.0	10.0
8	21.0	18.0	19.5	14.0	12.0	13.0	11.0	9.5	10.5	9.5	8.5	9.0
9	21.0	18.5	19.5	13.5	11.5	12.5	11.0	9.5	10.0	9.5	8.0	9.0
10	21.0	18.0	19.5	13.5	11.5	12.5	10.5	10.0	10.5	9.5	9.0	9.0
11	20.0	18.0	19.0	13.5	11.5	12.5	10.5	10.0	10.0	9.0	8.5	9.0
12	19.5	17.0	18.5	13.5	11.5	12.5	10.0	9.5	10.0	9.0	8.5	8.5
13	19.5	17.0	18.5	13.5	11.5	12.5	10.0	9.5	9.5	9.5	8.0	8.5
14	19.5	17.0	18.0	13.5	11.5	13.0	10.5	9.5	10.0	8.5	7.0	8.0
15	19.5	17.0	18.0	13.5	12.0	12.5	10.5	10.0	10.0	8.0	6.0	7.5
16	18.5	17.0	17.5	13.0	11.5	12.5	10.5	9.0	10.0	7.5	6.0	7.0
17	17.0	15.5	16.5	13.5	11.5	12.5	10.5	9.0	10.0	8.5	6.0	7.5
18	15.5	14.5	15.0	14.0	12.5	13.5	10.5	9.5	10.0	10.0	7.0	8.0
19	16.0	14.5	15.0	14.5	13.0	14.0	11.0	10.0	10.5	8.5	6.5	7.5
20	16.0	14.5	15.0	14.5	13.0	14.0	11.5	10.5	11.0	9.0	6.0	7.5
21	16.0	14.5	15.5	14.5	13.0	13.5	10.5	9.5	10.0	8.5	6.5	7.5
22	16.5	14.5	15.5	14.0	12.0	13.0	10.5	10.0	10.0	9.5	6.5	8.0
23	15.5	14.5	15.0	14.0	12.0	13.0	11.5	10.0	10.5	10.5	8.0	9.5
24	16.5	14.5	15.5	13.5	12.0	13.0	11.0	9.5	10.0	10.0	9.0	9.5
25	17.0	15.0	16.0	13.0	11.5	12.5	11.0	10.0	10.5	11.5	8.5	10.0
26	17.0	15.5	16.0	13.0	11.5	12.5	10.0	9.5	9.5	11.0	9.0	10.0
27	17.5	15.5	16.5	12.5	11.0	12.0	10.0	9.5	9.5	10.5	10.0	10.0
28	16.5	15.5	16.0	12.0	10.5	11.5	10.0	9.5	9.5	11.5	10.0	10.5
29	17.0	15.5	16.0	12.5	10.5	11.5	10.0	9.5	9.5	11.5	9.5	10.5
30	17.0	15.5	16.0	11.5	10.0	11.0	9.5	9.0	9.5	11.5	10.5	11.0
31	16.0	14.5	15.5	---	---	---	10.0	9.0	9.5	11.5	10.0	11.0
MONTH	21.0	14.5	17.0	16.0	10.0	13.0	12.0	9.0	10.0	11.5	6.0	9.0

	FEBRUARY 1987			MARCH 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
1	11.5	10.0	10.5	14.0	11.0	13.0
2	11.0	10.5	11.0	14.5	12.0	13.5
3	12.0	10.5	11.0	15.0	12.5	14.0
4	12.5	10.0	11.0	14.5	13.5	13.5
5	12.5	10.0	11.5	13.5	13.0	13.0
6	12.5	10.0	11.5	14.0	13.0	13.5
7	13.0	10.5	12.0	14.0	13.0	13.5
8	13.0	11.0	12.0	14.5	13.5	14.0
9	12.5	8.5	11.0	15.5	13.0	14.5
10	---	---	12.0	15.0	13.5	14.0
11	---	---	12.5	17.0	14.0	15.0
12	---	---	13.0	17.0	15.0	16.0
13	---	---	13.5	17.5	15.0	16.0
14	---	---	13.0	16.0	14.0	15.0
15	---	---	13.5	16.0	13.5	14.5
16	---	---	13.0	16.0	13.5	15.0
17	---	---	12.5	16.5	13.5	15.0
18	---	---	12.5	15.5	14.0	15.0
19	14.5	11.0	12.5	15.5	12.5	14.0
20	13.5	11.0	12.5	15.5	12.5	14.0
21	13.0	11.0	12.0	15.0	13.0	14.0
22	13.5	10.5	12.0	15.5	12.5	14.0
23	13.0	11.0	12.0	15.0	13.5	14.0
24	13.0	10.5	12.0	15.0	12.0	14.0
25	13.5	11.0	12.5	16.0	13.0	14.5
26	13.0	10.0	11.5	16.5	13.5	15.0
27	13.5	10.0	12.0	16.0	13.5	15.0
28	13.5	11.0	12.5	17.5	13.5	15.5
29	---	---	---	18.0	14.0	16.0
30	---	---	---	19.0	15.0	17.0
31	---	---	---	19.0	15.5	17.5
MONTH	---	---	12.0	19.0	11.0	14.5

TABLE 1.--Continued

11274000 SAN JOAQUIN RIVER NEAR NEWMAN, CA

LOCATION.--Lat 37°21'02", long 120°58'34", in NW 1/4 SW 1/4 sec. 3, T.7 S., R.9 E., Stanislaus County, Hydrologic Unit 18040002, on left bank 600 ft downstream from bridge on Hills Ferry Road, 650 ft downstream from Merced River, and 3.5 mi northeast of Newman.
DRAINAGE AREA.--9,520 mi^2.
PERIOD OF RECORD.--June 1985 to March 1987.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L AS CACO3)	CALCIUM, DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
JUN 1985												
13...	0930	515	1100	8.1	25.0	756	--	300	170	69	31	170
27...	0830	598	1030	8.3	23.0	759	--	250	140	62	24	130
JUL												
17...	1200	522	1190	8.1	26.0	757	--	280	150	66	27	150
31...	1430	718	1190	8.2	25.0	760	--	280	150	66	27	150
AUG												
14...	0800	560	1090	8.1	22.5	761	--	230	95	50	25	140
27...	1230	758	860	8.0	25.0	763	--	190	67	44	20	110
SEP												
11...	1215	711	885	8.1	18.5	763	--	210	81	46	23	110
25...	1530	748	519	7.9	23.5	755	--	120	5	26	13	57
OCT												
07...	1345	455	639	7.9	21.5	755	8.3	130	36	29	15	75
23...	1130	724	947	7.9	15.5	764	9.4	190	69	41	22	120
NOV												
06...	0800	497	1120	7.9	14.0	765	9.1	230	98	48	27	150
18...	1530	414	1320	8.0	11.0	768	9.5	270	120	55	31	180
DEC												
04...	1130	876	1060	7.8	12.0	766	9.6	210	65	44	24	130
18...	1030	598	1390	8.0	8.0	770	10.5	310	130	63	38	220
JAN 1986												
08...	1015	508	1510	8.0	11.0	772	10.0	340	180	71	39	230
23...	1000	651	1910	8.0	12.0	767	9.8	390	190	82	46	260
FEB												
05...	1045	971	1310	7.9	12.0	767	9.2	250	99	51	29	160
20...	1245	13600	251	7.6	13.5	765	9.9	62	9	14	6.5	28
25...	1500	11700	336	7.5	18.0	766	--	79	19	18	8.3	39
MAR												
04...	1345	5580	356	7.7	17.0	767	--	85	27	19	9.0	46
18...	1245	23100	147	7.6	14.5	767	9.6	40	1	9.6	4.0	13
APR												
02...	0745	15100	297	7.8	13.0	765	9.0	61	13	14	6.4	33
15...	1415	11500	255	7.6	14.0	761	9.6	58	18	14	5.5	29
MAY												
06...	1330	4440	358	7.7	13.5	759	9.4	79	31	19	7.7	39
21...	0930	2300	700	7.8	16.0	764	8.1	150	74	32	16	83
JUN												
03...	1115	2380	370	7.8	22.5	760	--	85	34	20	8.4	41
17...	1500	1550	716	7.9	24.5	765	7.4	150	63	34	15	76
JUL												
15...	1230	920	1050	7.9	26.5	755	8.2	230	110	53	24	130
AUG												
26...	1315	974	930	8.0	25.0	760	7.7	200	92	49	20	110
SEP												
24...	1400	971	463	7.8	19.0	750	8.1	100	23	23	11	49
OCT												
23...	0945	1120	374	7.6	15.5	760	8.9	89	25	20	9.4	43
NOV												
20...	0930	534	1190	8.0	--	760	9.8	240	110	53	27	150
DEC												
16...	0930	490	1470	8.0	--	760	--	300	150	65	33	190
JAN 1987												
22...	0945	626	1680	8.0	--	765	--	360	190	77	40	220
FEB												
19...	1000	1060	1590	8.1	11.0	765	--	330	170	76	35	200
MAR												
25...	0915	1050	1880	8.2	--	760	--	390	220	88	42	240

TABLE 1.--Continued

11274000 SAN JOAQUIN RIVER NEAR NEWMAN, CA--Continued

WATER QUALITY DATA

DATE	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, CARBONATE IT-FLD (MG/L - CAC03)	SULFATE, DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3, DISSOLVED (MG/L AS N)
JUN 1985												
13...	55	4	3.8	131	260	190	0.3	16	849	1.2	1180	2.7
27...	52	4	3.3	111	230	150	0.2	17	691	0.94	1120	3.1
JUL												
17...	54	4	3.8	128	220	160	0.2	19	744	1.0	1050	2.9
31...	54	4	4.0	131	220	160	0.2	19	740	1.0	1430	2.7
AUG												
14...	57	4	3.9	133	180	160	0.2	17	654	0.89	989	1.9
27...	55	4	3.4	125	140	120	0.2	17	542	0.74	1110	1.8
SEP												
11...	53	3	3.7	129	140	110	0.2	26	520	0.71	998	1.5
25...	50	2	2.9	113	56	58	0.1	16	295	0.40	596	0.81
OCT												
07...	54	3	2.2	98	74	86	0.1	18	365	0.50	448	1.4
23...	57	4	4.0	124	150	140	0.1	15	571	0.78	1120	1.2
NOV												
06...	58	4	3.4	133	190	170	0.2	15	668	0.91	896	1.5
18...	59	5	1.9	144	220	200	0.2	17	785	1.1	877	1.3
DEC												
04...	57	4	6.0	144	150	140	0.2	15	571	0.78	1350	1.3
18...	60	6	4.2	182	270	250	0.2	17	957	1.3	1550	1.8
JAN 1986												
08...	59	6	4.6	159	320	240	0.2	14	1020	1.4	1400	2.4
23...	59	6	5.5	201	380	270	0.3	15	1210	1.6	2130	2.5
FEB												
05...	58	5	6.3	148	250	190	0.2	12	802	1.1	2100	2.4
20...	48	2	3.5	53	23	24	<0.1	14	151	0.21	5540	0.37
25...	51	2	3.2	60	55	35	0.1	15	215	0.29	6790	0.42
MAR												
04...	53	2	2.5	58	65	40	0.1	13	230	0.31	3470	0.50
18...	40	0.9	2.1	39	14	9.8	<0.1	13	95	0.13	5930	0.23
APR												
02...	53	2	1.8	48	47	33	0.1	11	182	0.25	7420	0.22
15...	51	2	1.5	40	38	26	<0.1	11	154	0.21	4780	0.31
MAY												
06...	51	2	2.0	48	65	42	<0.1	12	216	0.29	2590	0.65
21...	55	3	2.4	72	130	94	0.1	14	396	0.54	2460	0.92
JUN												
03...	51	2	2.0	51	--	46	0.1	12	231	--	--	0.72
17...	52	3	2.5	84	120	75	0.1	15	409	0.56	1710	1.4
JUL												
15...	55	4	3.8	126	210	140	0.2	17	646	0.88	1600	2.1
AUG												
26...	53	3	2.9	113	160	100	0.2	16	564	0.77	1480	2.1
SEP												
24...	50	2	2.4	80	62	52	0.1	14	288	0.39	755	1.0
OCT												
23...	51	2	1.9	64	56	41	<0.1	12	270	0.37	816	0.71
NOV												
20...	57	4	3.2	136	230	170	0.2	16	749	1.0	1080	2.0
DEC												
16...	58	5	2.9	148	280	210	0.2	17	899	1.2	1190	2.4
JAN 1987												
22...	57	5	3.8	170	360	240	0.2	15	1090	1.5	1840	2.7
FEB												
19...	56	5	5.2	162	380	200	0.2	15	966	1.3	2760	3.6
MAR												
25...	57	5	3.9	177	390	260	0.2	17	1140	1.6	3230	3.8

TABLE 1.--Continued

11274000 SAN JOAQUIN RIVER NEAR NEWMAN, CA--Continued

WATER QUALITY DATA

DATE	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	NITROGEN, AMMONIA + ORGANIC, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP., SIEVE DIAM. % FINER THAN 0.062 MM	CHLOR-A PHYTOPLANKTON, CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON, CHROMO FLUOROM (UG/L)	CARBON, ORGANIC, TOTAL (MG/L AS C)
JUN 1985												
13...	0.14	0.18	1.4	0.34	0.11	0.10	293	407	73	--	--	--
27...	0.12	0.15	1.2	0.14	0.14	0.13	--	--	--	7.7	<0.10	--
JUL												
17...	0.05	0.06	0.60	0.27	0.17	0.13	--	--	--	17	<0.10	--
31...	0.11	0.14	1.5	0.34	0.16	0.12	193	374	96	18	<0.10	--
AUG												
14...	0.12	0.15	1.2	0.28	0.18	0.13	134	203	98	18	<0.10	--
27...	0.08	0.10	1.2	0.24	0.15	0.12	--	--	--	14	<0.10	--
SEP												
11...	0.10	0.13	0.90	0.20	0.13	0.11	--	--	--	15	<0.10	--
25...	0.08	0.10	0.90	0.22	0.14	0.12	126	254	89	23	<0.10	--
OCT												
07...	0.04	0.05	2.0	0.30	0.09	0.10	--	--	--	9.1	1.0	--
23...	0.08	0.10	1.0	0.31	0.16	0.12	--	--	--	8.9	1.1	--
NOV												
06...	0.10	0.13	1.2	0.34	0.16	0.14	--	--	--	5.8	1.2	--
18...	0.14	0.18	0.70	0.19	0.11	0.12	--	--	--	3.6	0.70	--
DEC												
04...	0.32	0.41	1.5	0.46	0.26	0.32	--	--	--	10	1.4	--
18...	0.42	0.54	1.5	0.42	0.31	0.27	48	78	69	6.2	0.80	25
JAN 1986												
08...	0.10	0.13	0.40	0.36	0.22	0.05	--	--	--	7.9	1.0	35
23...	0.38	0.49	1.9	0.59	0.35	0.31	--	--	--	5.2	0.80	8.5
FEB												
05...	0.75	0.97	2.2	0.70	0.54	0.51	92	241	88	13	1.7	19
20...	0.11	0.14	1.0	0.30	0.19	0.16	128	4700	61	3.4	0.70	15
25...	0.12	0.15	0.90	0.25	0.17	0.14	48	1520	91	--	--	12
MAR												
04...	0.07	0.09	0.90	0.24	0.15	0.13	67	1010	87	4.4	0.70	6.1
18...	0.04	0.05	0.70	0.16	0.10	0.09	59	3680	85	3.0	0.40	8.2
APR												
02...	0.04	0.05	0.60	0.15	0.08	0.07	43	1750	94	7.9	1.1	3.8
15...	0.04	0.05	0.40	0.11	0.05	0.05	40	1240	96	6.4	0.90	4.0
MAY												
06...	0.07	0.09	0.70	0.16	0.08	0.07	86	1030	89	5.7	1.0	3.9
21...	0.08	0.10	0.80	0.26	0.13	0.12	76	472	90	--	--	3.0
JUN												
03...	0.07	0.09	0.70	0.21	0.09	0.08	103	662	92	9.1	1.1	7.8
17...	0.07	0.09	1.0	0.33	0.13	0.11	154	644	93	11	1.3	3.2
JUL												
15...	0.06	0.08	1.4	0.32	0.17	0.16	204	507	89	56	4.1	3.5
AUG												
26...	0.06	0.08	1.2	0.32	0.16	0.12	141	371	95	56	5.1	3.7
SEP												
24...	0.02	0.03	0.90	0.22	0.11	0.10	75	197	94	13	0.80	7.0
OCT												
23...	0.01	0.01	0.90	0.11	0.07	0.05	66	200	90	3.2	0.30	4.1
NOV												
20...	0.06	0.08	1.1	0.23	0.10	0.10	56	81	94	9.7	0.70	1.6
DEC												
16...	0.11	0.14	1.0	0.11	0.09	0.07	29	38	82	3.6	0.30	1.6
JAN 1987												
22...	0.19	0.24	1.6	0.24	0.16	0.15	19	32	90	4.8	0.30	5.8
FEB												
19...	0.26	0.33	1.6	0.40	0.26	0.25	155	444	92	9.7	0.70	7.5
MAR												
25...	0.08	0.10	2.1	0.35	0.21	0.18	162	459	97	13	1.4	2.8

TABLE 1.--Continued

11274000 SAN JOAQUIN RIVER NEAR NEWMAN, CA--Continued

WATER QUALITY DATA

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC, TOTAL (UG/L AS AS)	ARSENIC, DISSOLVED (UG/L AS AS)	BORON, TOTAL RECOVERABLE (UG/L AS B)	BORON, DISSOLVED (UG/L AS B)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)
JUN 1985											
13...	3600	10	17	6	1200	1100	15	<1	3	30000	16
27...	2700	10	3	3	930	890	11	8	2	4000	16
JUL											
17...	4800	<10	4	4	630	590	15	8	2	8100	8
31...	5200	--	9	4	1100	1100	32	8	2	6900	11
AUG											
14...	2800	10	5	3	800	770	14	8	2	4000	15
27...	9700	40	5	3	660	650	24	14	2	12000	20
SEP											
11...	5600	--	5	4	590	620	17	12	7	8700	--
25...	3000	50	4	3	190	190	10	7	3	3400	50
OCT											
07...	4300	30	3	2	240	240	20	10	1	6300	29
23...	3700	10	4	3	650	670	17	5	<1	4900	38
NOV											
06...	5200	<10	4	2	760	750	20	13	1	7700	17
18...	1400	<10	3	2	770	770	14	7	2	2300	16
DEC											
04...	3100	30	4	3	770	730	18	22	4	5500	54
18...	920	<10	3	2	1200	1100	11	4	1	1600	21
JAN 1986											
08...	2100	<10	3	2	1300	--	15	7	1	3500	12
23...	4900	<10	5	3	1600	1700	18	9	1	9000	<3
FEB											
05...	2000	<10	4	2	1100	990	15	4	<1	3200	25
20...	3300	360	3	2	130	140	17	11	1	5700	270
25...	2000	290	3	2	260	240	11	18	4	2300	230
MAR											
04...	2000	70	3	2	300	300	9	5	1	2300	66
18...	1900	220	2	1	80	70	13	6	2	2600	160
APR											
02...	1400	20	2	2	220	230	36	5	1	1800	37
15...	900	30	2	2	200	210	6	12	2	1400	46
MAY											
06...	1300	30	2	1	260	250	7	4	1	2000	55
21...	1600	<10	3	2	440	420	13	9	1	2600	38
JUN											
03...	1400	10	--	--	270	280	5	6	3	2200	35
17...	3400	20	4	2	580	550	14	9	1	5500	38
JUL											
15...	3600	<10	6	4	820	800	15	10	2	5700	13
AUG											
26...	2700	<10	4	3	790	780	5	11	3	4700	20
SEP											
24...	1400	20	3	2	220	250	4	6	1	2400	42
OCT											
23...	1300	10	2	2	180	210	<1	--	<1	2000	31
NOV											
20...	1800	<10	3	2	850	860	<1	10	2	2600	14
DEC											
16...	640	<10	2	2	990	1000	<1	5	<1	1200	10
JAN 1987											
22...	580	<10	2	2	1500	1400	2	5	1	960	8
FEB											
19...	2500	<10	3	3	1600	610	8	10	2	3500	50
MAR											
25...	1700	<10	4	3	1600	1600	4	7	1	2600	12

TABLE 1.--Continued

11274000 SAN JOAQUIN RIVER NEAR NEWMAN, CA--Continued

WATER QUALITY DATA

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
JUN 1985											
13...	<1	450	61	13	8	56	8	8	8	50	6
27...	2	240	18	5	6	14	2	5	6	40	14
JUL											
17...	3	290	18	7	7	15	14	6	--	30	3
31...	11	270	13	8	10	13	2	7	6	50	6
AUG											
14...	2	240	13	4	6	10	2	4	3	30	17
27...	3	460	17	3	4	19	<1	4	4	40	8
SEP											
11...	4	350	--	4	<1	19	8	4	4	50	30
25...	4	230	33	5	2	9	4	<1	<1	30	11
OCT											
07...	4	520	45	1	1	21	2	<1	<1	40	<3
23...	<1	210	21	7	3	10	3	2	2	10	5
NOV											
06...	1	570	46	3	5	30	<1	3	3	20	<3
18...	1	270	140	4	6	35	110	2	2	<10	6
DEC											
04...	<1	350	46	3	4	7	2	2	1	30	7
18...	1	330	210	5	6	7	2	3	3	20	6
JAN 1986											
08...	2	390	180	7	1	12	1	7	7	20	11
23...	<1	610	160	6	8	12	2	6	5	40	9
FEB											
05...	<1	310	94	4	6	5	1	4	4	20	16
20...	3	130	24	<1	2	12	<1	<1	<1	40	8
25...	<1	70	21	1	7	19	--	1	1	60	13
MAR											
04...	2	150	71	2	2	4	1	1	1	20	6
18...	<1	70	12	1	1	6	1	1	1	20	<3
APR											
02...	3	90	26	3	2	<1	1	1	1	30	5
15...	14	90	37	2	3	12	1	2	1	20	<3
MAY											
06...	4	180	91	1	1	3	1	2	2	20	6
21...	<1	340	180	5	<1	--	1	2	2	20	5
JUN											
03...	1	180	44	3	4	16	<1	2	2	10	6
17...	<5	300	68	2	3	15	2	3	3	20	9
JUL											
15...	<5	370	39	6	5	12	2	3	3	20	11
AUG											
26...	<5	230	20	5	5	22	1	5	5	30	<10
SEP											
24...	<5	130	15	8	1	9	1	1	1	<10	17
OCT											
23...	<5	120	8	30	<1	13	1	2	2	290	<3
NOV											
20...	<5	200	93	9	9	6	2	4	4	10	8
DEC											
16...	<5	230	170	10	6	4	1	7	7	10	<3
JAN 1987											
22...	<5	250	200	15	9	6	<1	7	6	<10	<3
FEB											
19...	<5	200	50	10	7	10	4	7	7	10	<10
MAR											
25...	<5	210	61	4	9	9	4	9	8	20	18

TABLE 1.--Continued

11274000 SAN JOAQUIN RIVER NEAR NEWMAN, CA--Continued

WATER QUALITY DATA

DATE	TIME	DI-CHLORO-BROMO-METHANE, TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE, TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE, TOTAL (UG/L)	BROMO-FORM, TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE, TOTAL (UG/L)	CHLORO-FORM, TOTAL (UG/L)	TOLUENE, TOTAL (UG/L)	BENZENE, TOTAL (UG/L)	CHLORO-BENZENE, TOTAL (UG/L)	CHLORO-ETHANE, TOTAL (UG/L)
SEP 1985 25...	1530	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

DATE	ETHYL-BENZENE, TOTAL (UG/L)	METHYL-BROMIDE, TOTAL (UG/L)	METHYL-ENE CHLO-RIDE, TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE, TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE, TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE, TOTAL (UG/L)	1,1-DI-CHLORO-ETHYL-ENE, TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE, TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE, TOTAL (UG/L)	1,1,2,2 TETRA-CHLORO-ETHANE, TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE, TOTAL (UG/L)
SEP 1985 25...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

DATE	1,2-TRANSDI CHLORO-ETHYL-ENE, TOTAL (UG/L)	1,3-DI-CHLORO-PROPANE, TOTAL (UG/L)	2-CHLORO-ETHYL-VINYL-ETHER, TOTAL (UG/L)	DI-CHLORO-DI-FLUORO-METHANE, TOTAL (UG/L)	PRO-PAZINE, TOTAL (UG/L)	METHO-MYL, TOTAL (UG/L)	PROPHAM, TOTAL (UG/L)	SIME-TRYNE, TOTAL (UG/L)	SIMA-ZINE, TOTAL (UG/L)	PROME-TONE, TOTAL (UG/L)
SEP 1985 25...	<3.0	<3.0	<3.0	<3.0	<0.10	<2.0	<2.0	<0.1	<0.10	<0.1

DATE	PROME-TRYNE, TOTAL (UG/L)	VINYL CHLO-RIDE, TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	ATRA-ZINE, TOTAL (UG/L)	PICLO-RAM (TOR-DON) (AMDON), TOTAL (UG/L)
SEP 1985 25...	<0.1	<3.0	<3.0	<0.01	<0.01	0.01	0.01	<0.01	<0.10	<0.01

DATE	2,4-D, TOTAL (UG/L)	2,4,5-T, TOTAL (UG/L)	SEVIN, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	CYAN-AZINE, TOTAL (UG/L)	DICAMBA (MED-IBEN) (BAN-VEL D), TOTAL (UG/L)	2,4-DP, TOTAL (UG/L)	AME-TRYNE, TOTAL (UG/L)
SEP 1985 25...	0.06	<0.01	<2.0	<0.01	<0.01	<0.01	<0.10	<0.01	<0.01	<0.10

TABLE 1.--Continued

11274570 SAN JOAQUIN RIVER AT PATTERSON BRIDGE, NEAR PATTERSON, CA

LOCATION.--Lat 37°29'54", long 121°04'54", in SW 1/4 SW 1/4 sec. 15, T.5 S., R.8 E., Merced County, Hydrologic Unit 18040002, on left bank 0.2 mi below bridge on Palm Avenue, 2.3 mi northeast of Patterson.
DRAINAGE AREA.--9,760 mi^2, approximately.
PERIOD OF RECORD.--July 1985 to March 1987.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1985 to March 1987.
WATER TEMPERATURE: October 1985 to March 1987.
INSTRUMENTATION.--Minimonitor recorder since October 1985.
COOPERATION.--Water discharge provided by California Department of Water Resources.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 2,160 microsiemens, Mar. 1, 1987; minimum daily, 160 microsiemens, Mar. 13, 1986.
WATER TEMPERATURE: Maximum recorded, 27.5°C, July 13, Aug. 5, 1986; minimum recorded, 4.5°C, Jan. 16, 17, 1987.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L AS CACO3)	CALCIUM, DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
JUL 1985												
17...	0900	660	1210	8.1	23.5	757	7.2	280	140	67	28	160
31...	1130	1060	1160	8.1	23.5	760	6.4	270	120	65	27	150
AUG												
13...	1500	872	1050	8.1	24.0	761	7.8	250	110	57	25	130
27...	0900	1040	971	7.9	23.5	768	6.3	210	73	49	22	110
SEP												
11...	0830	1110	955	7.9	18.0	762	7.0	190	63	44	20	100
25...	1315	1230	566	7.8	23.5	755	7.6	130	26	30	14	65
OCT												
09...	1515	771	914	7.8	17.5	756	8.8	190	35	42	21	110
22...	1515	936	818	7.8	16.5	765	8.9	170	46	37	19	99
NOV												
05...	1415	674	1170	8.0	16.0	765	7.4	230	75	49	26	140
18...	1100	651	1320	7.9	11.5	786	8.5	270	95	58	30	170
DEC												
03...	1430	1030	1060	7.8	12.5	765	8.5	220	67	48	24	130
17...	1415	787	1530	8.0	8.0	770	10.1	300	110	63	35	210
JAN 1986												
07...	1330	673	1500	7.8	12.5	768	7.8	320	150	69	37	210
22...	1415	799	1720	7.9	12.0	763	8.6	370	170	77	43	240
FEB												
04...	1400	1060	1430	7.9	12.0	765	7.6	310	130	65	35	190
19...	1400	5440	412	7.9	14.0	758	7.9	94	13	21	10	37
MAR												
04...	0915	6750	403	7.6	17.0	768	--	94	28	21	10	49
18...	0800	22600	184	7.6	11.5	766	9.4	47	4	11	4.7	18
APR												
01...	1230	15700	243	7.6	18.0	761	8.7	50	8	12	4.9	22
15...	0930	12200	248	7.6	16.0	762	9.4	51	13	12	5.0	24
MAY												
06...	0800	5430	381	7.6	15.0	760	7.8	83	28	20	8.1	41
20...	0800	3190	651	7.7	20.0	760	7.7	130	54	29	13	66
JUN												
03...	0800	2930	486	7.7	21.5	765	7.3	100	33	24	10	50
17...	0915	2160	721	7.8	22.5	760	6.5	150	51	35	15	77
JUL												
15...	0815	1200	1110	8.0	25.5	755	7.0	230	92	53	24	120
AUG												
26...	0815	1290	856	7.9	23.5	760	6.7	200	79	48	20	110
SEP												
24...	0830	1370	633	7.9	19.5	750	7.4	140	28	31	14	69
OCT												
22...	0800	1500	432	7.8	16.0	760	8.4	99	22	23	10	49
NOV												
20...	1200	700	1060	7.9	14.5	760	8.9	240	95	53	26	140
DEC												
16...	1130	604	1390	8.0	10.0	760	9.5	310	150	68	34	190
JAN 1987												
22...	1145	755	1410	8.0	7.5	765	10.5	320	150	71	35	190
FEB												
19...	1130	1210	1490	8.0	11.0	765	9.7	320	160	72	34	180
MAR												
25...	1100	1270	1760	8.1	14.0	760	9.2	370	200	83	40	220

TABLE 1.--Continued

11274570 SAN JOAQUIN RIVER AT PATTERSON BRIDGE, NEAR PATTERSON, CA--Continued

WATER QUALITY DATA

DATE	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, CARBONATE IT-FLD (MG/L AS CAC03)	SULFATE, DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3, DISSOLVED (MG/L AS N)
JUL 1985												
17...	55	4	4.1	145	200	180	0.2	20	728	0.99	1300	2.3
31...	54	4	4.5	152	190	160	0.2	21	707	0.96	2020	2.7
AUG												
13...	53	4	3.7	139	160	150	0.2	19	621	0.84	1460	2.4
27...	52	3	3.4	140	140	130	0.2	19	574	0.78	1610	2.4
SEP												
11...	53	3	3.6	129	120	110	0.2	19	492	0.67	1470	1.9
25...	51	3	3.0	107	55	65	0.2	19	324	0.44	1080	1.5
OCT												
09...	55	4	3.0	156	110	140	0.2	21	534	0.73	1110	2.0
22...	55	3	3.4	125	100	120	0.1	18	473	0.64	1200	1.9
NOV												
05...	57	4	3.5	154	160	180	0.2	18	658	0.89	1200	2.0
18...	56	5	15	173	190	200	0.2	21	780	1.1	1370	2.3
DEC												
03...	--	4	--	152	160	150	0.2	16	--	--	--	2.1
17...	60	5	5.1	195	240	240	0.2	20	902	1.2	1920	2.5
JAN 1986												
07...	58	5	5.7	179	310	240	0.2	16	1010	1.4	1840	2.9
22...	58	6	6.0	203	320	240	0.2	17	1090	1.5	2350	2.9
FEB												
04...	57	5	8.8	172	270	210	0.2	18	887	1.2	2540	3.4
19...	45	2	4.6	81	52	34	0.1	14	222	0.30	3260	0.57
MAR												
04...	52	2	2.7	66	70	43	0.1	13	242	0.33	4410	0.58
18...	44	1	2.2	43	18	14	0.1	13	124	0.17	7570	0.29
APR												
01...	48	1	1.6	42	24	21	0.1	10	139	0.19	5890	0.22
15...	50	2	1.6	38	25	21	<0.1	11	136	0.18	4480	0.29
MAY												
06...	51	2	2.0	55	63	43	<0.1	13	220	0.30	3230	0.79
20...	53	3	2.4	72	100	74	0.1	14	348	0.47	3000	1.0
JUN												
03...	51	2	2.3	68	78	50	0.1	14	284	0.39	2250	1.2
17...	52	3	2.6	98	110	79	0.2	16	408	0.55	2380	1.6
JUL												
15...	53	4	4.0	139	180	140	0.2	17	649	0.88	2100	2.4
AUG												
26...	54	3	3.1	123	140	110	0.2	17	555	0.75	1930	2.2
SEP												
24...	52	3	2.8	107	72	74	0.2	17	400	0.54	1480	1.8
OCT												
22...	51	2	2.2	77	50	52	0.1	15	308	0.42	1250	1.4
NOV												
20...	56	4	3.4	144	200	170	0.2	19	703	0.96	1330	2.2
DEC												
16...	57	5	3.1	162	260	220	0.2	20	908	1.2	1480	2.6
JAN 1987												
22...	56	5	4.8	175	280	210	0.2	19	927	1.3	1890	3.3
FEB												
19...	55	5	5.6	162	350	180	0.2	14	884	1.2	2890	3.5
MAR												
25...	56	5	4.4	174	360	240	0.2	18	1080	1.5	3700	3.9

TABLE 1.--Continued

11274570 SAN JOAQUIN RIVER AT PATTERSON BRIDGE, NEAR PATTERSON, CA--Continued

WATER QUALITY DATA

DATE	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	NITROGEN,AMMONIA + ORGANIC, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP., SIEVE DIAM. % FINER THAN 0.062 MM	CHLOR-A PHYTOPLANKTON, CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON, CHROMO FLUOROM (UG/L)	CARBON, ORGANIC, TOTAL (MG/L AS C)
JUL 1985												
17...	0.25	0.32	0.90	0.43	0.30	0.19	--	--	--	17	<0.10	--
31...	0.36	0.46	1.8	0.49	0.38	0.31	175	501	99	18	<0.10	--
AUG												
13...	0.22	0.28	1.1	0.34	0.22	0.18	122	287	99	--	--	--
27...	0.20	0.26	1.8	0.34	0.22	0.19	125	351	98	14	<0.10	--
SEP												
11...	0.26	0.33	1.0	0.35	0.27	0.24	102	306	97	11	<0.10	--
25...	0.12	0.15	0.90	0.32	0.21	0.19	80	266	99	22	2.1	--
OCT												
09...	0.08	0.10	0.90	0.30	0.23	0.22	60	125	99	8.9	1.0	--
22...	0.18	0.23	1.0	0.31	0.21	0.17	43	109	97	5.8	0.80	--
NOV												
05...	0.22	0.28	0.90	0.35	0.27	0.23	41	75	99	5.5	0.90	--
18...	2.2	2.8	4.1	0.98	0.73	0.66	28	49	98	7.4	1.2	--
DEC												
03...	0.61	0.79	1.7	0.57	0.41	0.38	69	192	98	9.6	1.4	--
17...	0.66	0.85	1.4	0.48	0.35	0.32	46	98	98	4.1	0.60	8.0
JAN 1986												
07...	1.3	1.7	2.6	0.72	0.54	0.50	32	58	94	7.2	0.70	23
22...	0.45	0.58	2.0	0.58	0.42	0.38	46	99	98	5.9	0.90	8.8
FEB												
04...	1.3	1.7	4.1	1.0	0.71	0.65	120	343	87	17	3.0	32
19...	0.25	0.32	2.3	0.47	0.27	0.23	740	10900	91	3.8	0.90	22
MAR												
04...	0.07	0.09	0.90	0.25	0.17	0.14	66	1200	92	4.3	0.60	7.5
18...	0.07	0.09	0.80	0.21	0.11	0.10	98	5980	63	3.7	0.40	7.4
APR												
01...	0.04	0.05	0.60	0.14	0.07	0.06	52	2200	75	8.6	0.80	4.9
15...	0.05	0.06	0.50	0.13	0.06	0.06	55	1810	81	7.5	0.70	6.1
MAY												
06...	0.08	0.10	0.70	0.19	0.09	0.09	103	1510	70	6.2	0.60	6.9
20...	0.10	0.13	0.80	0.28	0.15	0.13	84	723	91	9.0	1.2	5.3
JUN												
03...	0.10	0.13	0.70	0.29	0.14	0.13	98	775	94	16	1.7	6.6
17...	0.11	0.14	0.70	0.36	0.18	0.16	135	787	95	13	1.6	7.0
JUL												
15...	0.17	0.22	1.5	0.43	0.24	0.22	137	444	97	18	1.7	7.7
AUG												
26...	0.11	0.14	1.4	0.47	0.25	0.21	110	383	97	21	1.5	7.3
SEP												
24...	0.12	0.15	2.3	0.24	0.18	0.15	79	292	96	9.0	0.50	6.0
OCT												
22...	0.09	0.12	0.90	0.21	0.12	0.11	53	215	94	4.4	0.40	3.7
NOV												
20...	0.28	0.36	1.0	0.28	0.18	0.16	34	64	90	4.8	0.60	4.2
DEC												
16...	0.35	0.45	1.2	0.29	0.16	0.16	20	33	88	3.1	0.20	5.2
JAN 1987												
22...	1.0	1.3	2.6	0.62	0.42	0.41	22	45	83	8.4	0.60	8.1
FEB												
19...	0.39	0.50	2.4	0.52	0.37	0.35	163	533	98	7.3	0.90	8.2
MAR												
25...	0.29	0.37	2.2	0.46	0.31	0.27	182	624	98	15	1.7	7.9

TABLE 1.--Continued

11274570 SAN JOAQUIN RIVER AT PATTERSON BRIDGE, NEAR PATTERSON, CA--Continued

WATER QUALITY DATA

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC, TOTAL (UG/L AS AS)	ARSENIC, DISSOLVED (UG/L AS AS)	BORON, TOTAL RECOVERABLE (UG/L AS B)	BORON, DISSOLVED (UG/L AS B)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)
JUL 1985											
17...	1800	10	4	4	960	860	11	11	3	7900	10
31...	3800	70	7	5	520	520	31	13	2	5500	61
AUG											
13...	3300	20	4	3	700	660	9	3	1	4200	13
27...	3000	30	5	3	650	620	14	9	2	4300	14
SEP											
11...	2300	40	4	3	520	490	11	10	2	3800	25
25...	1700	40	4	3	190	180	10	5	3	2700	37
OCT											
09...	950	30	3	3	340	340	8	7	4	1600	15
22...	1000	20	3	2	400	390	19	8	2	1500	22
NOV											
05...	1000	<10	3	3	630	600	10	5	1	1600	10
18...	510	<10	3	2	640	640	13	7	5	1000	22
DEC											
03...	--	10	--	--	--	730	--	--	--	--	35
17...	860	<10	4	3	1100	1000	8	6	<1	1500	7
JAN 1986											
07...	640	<10	3	3	1100	1100	10	6	1	1300	19
22...	1100	<10	4	3	1400	1500	18	5	1	1900	<3
FEB											
04...	2900	<10	4	3	1200	1200	15	8	<1	4300	34
19...	17000	260	4	2	220	190	29	30	3	26000	230
MAR											
04...	1900	50	3	2	320	310	10	6	1	2400	56
18...	1800	210	2	2	130	100	43	6	2	2700	150
APR											
01...	1200	60	2	2	150	150	42	6	2	1700	67
15...	1000	10	2	2	130	160	6	10	2	1700	43
MAY											
06...	1800	30	2	2	240	240	10	5	3	2800	52
20...	1700	20	3	2	340	350	7	6	1	2100	38
JUN											
03...	1800	10	3	2	300	290	9	9	3	2800	25
17...	2400	20	3	2	640	480	19	13	3	4000	26
JUL											
15...	3000	10	4	3	840	740	9	13	2	4300	11
AUG											
26...	1800	<10	4	3	670	660	4	26	4	3200	20
SEP											
24...	1500	20	3	3	280	270	5	12	2	2600	26
OCT											
22...	1600	<10	2	2	150	160	<1	5	2	2100	29
NOV											
20...	1200	<10	3	2	720	700	<1	11	2	1600	9
DEC											
16...	640	<10	2	2	920	870	<1	5	<1	1200	12
JAN 1987											
22...	800	30	3	2	1100	1100	4	9	3	1300	16
FEB											
19...	2000	20	4	3	1400	1600	12	10	2	3400	20
MAR											
25...	1600	90	4	3	1400	1400	4	7	1	2400	6

TABLE 1.--Continued

11274570 SAN JOAQUIN RIVER AT PATTERSON BRIDGE, NEAR PATTERSON, CA--Continued

WATER QUALITY DATA

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
JUL 1985											
17...	3	290	47	7	6	18	6	4	<4	80	6
31...	2	290	47	7	5	26	1	4	5	120	10
AUG											
13...	--	230	39	2	6	11	1	3	3	20	4
27...	3	230	28	5	4	14	3	3	5	40	<3
SEP											
11...	21	200	28	3	<1	9	<1	3	3	30	6
25...	<1	170	27	3	2	7	5	<1	<1	20	10
OCT											
09...	5	190	87	1	3	2	2	<1	<1	20	<3
22...	3	140	49	6	3	19	6	<1	<1	20	10
NOV											
05...	1	170	81	2	4	20	<1	2	2	10	<3
18...	2	180	120	3	3	3	2	2	2	40	9
DEC											
03...	--	--	46	--	--	--	--	--	--	--	5
17...	<1	240	58	6	5	6	2	3	3	30	6
JAN 1986											
07...	1	240	150	7	6	9	1	6	5	20	11
22...	1	220	120	6	8	5	<1	5	5	10	14
FEB											
04...	1	250	67	3	6	11	<1	4	4	40	9
19...	8	680	32	<1	2	75	1	<1	<1	100	10
MAR											
04...	2	160	63	2	<10	2	3	1	1	20	<3
18...	1	90	18	1	1	4	2	1	1	20	10
APR											
01...	3	80	22	2	2	<1	1	1	1	10	4
15...	4	80	24	2	3	4	<1	1	1	20	11
MAY											
06...	3	200	61	2	2	12	1	2	2	30	<3
20...	<1	200	63	<1	<10	--	1	2	2	<10	6
JUN											
03...	<1	170	22	<1	3	20	5	2	1	10	5
17...	<5	290	61	2	2	10	5	2	2	20	6
JUL											
15...	<5	300	34	4	5	13	2	2	2	20	6
AUG											
26...	<5	230	40	6	8	43	1	3	3	20	20
SEP											
24...	<5	170	37	3	2	11	2	1	1	<10	10
OCT											
22...	12	130	26	6	1	7	<1	<1	<1	130	<3
NOV											
20...	15	200	150	5	7	4	3	3	3	10	5
DEC											
16...	<5	290	240	9	9	1	2	5	5	10	11
JAN 1987											
22...	<5	210	170	9	7	10	3	5	4	20	10
FEB											
19...	6	210	40	7	5	10	4	6	6	<10	<10
MAR											
25...	<5	180	47	5	7	9	4	8	8	20	19

TABLE 1.--Continued

11274570 SAN JOAQUIN RIVER AT PATTERSON BRIDGE, NEAR PATTERSON, CA--Continued

WATER QUALITY DATA

DATE	TIME	DI-CHLORO-BROMO-METHANE, TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE, TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE, TOTAL (UG/L)	BROMO-FORM, TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE, TOTAL (UG/L)	CHLORO-FORM, TOTAL (UG/L)	TOLUENE, TOTAL (UG/L)	BENZENE, TOTAL (UG/L)	CHLORO-BENZENE, TOTAL (UG/L)	CHLORO-ETHANE, TOTAL (UG/L)
SEP 1985 25...	1315	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

DATE	ETHYL-BENZENE, TOTAL (UG/L)	METHYL-BROMIDE, TOTAL (UG/L)	METHYL-ENE CHLO-RIDE, TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE, TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE, TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE, TOTAL (UG/L)	1,1-DI-CHLORO-ETHYL-ENE, TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE, TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE, TOTAL (UG/L)	1,1,2,2 TETRA-CHLORO-ETHANE, TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE, TOTAL (UG/L)
SEP 1985 25...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

DATE	1,2-TRANSDI CHLORO-ETHYL-ENE, TOTAL (UG/L)	1,3-DI-CHLORO-PROPANE, TOTAL (UG/L)	2-CHLORO-ETHYL-VINYL-ETHER, TOTAL (UG/L)	DI-CHLORO-DI-FLUORO-METHANE, TOTAL (UG/L)	PRO-PAZINE, TOTAL (UG/L)	METHO-MYL, TOTAL (UG/L)	PROPHAM, TOTAL (UG/L)	SIME-TRYNE, TOTAL (UG/L)	SIMA-ZINE, TOTAL (UG/L)	PROME-TONE, TOTAL (UG/L)
SEP 1985 25...	<3.0	<3.0	<3.0	<3.0	<0.10	<2.0	<2.0	<0.1	<0.10	<0.1

DATE	PROME-TRYNE, TOTAL (UG/L)	VINYL CHLO-RIDE, TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	ATRA-ZINE, TOTAL (UG/L)	PICLO-RAM (TOR-DON) (AMDON), TOTAL (UG/L)
SEP 1985 25...	<0.1	<3.0	<3.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.10	<0.01

DATE	2,4-D, TOTAL (UG/L)	2,4,5-T, TOTAL (UG/L)	SEVIN, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	CYAN-AZINE, TOTAL (UG/L)	DICAMBA (MED-IBEN) (BAN-VEL D), TOTAL (UG/L)	2,4-DP, TOTAL (UG/L)	AME-TRYNE, TOTAL (UG/L)
SEP 1985 25...	<0.01	<0.01	<2.0	<0.01	<0.01	<0.01	<0.10	<0.01	<0.01	<0.1

TABLE 1.--Continued

11274570 SAN JOAQUIN RIVER AT PATTERSON BRIDGE, NEAR PATTERSON, CA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C)

	OCTOBER 1985			NOVEMBER 1985			DECEMBER 1985			JANUARY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	650	610	628	1000	920	973	1170	1100	1140	1520	1480	1500
2	660	440	578	1020	960	990	1100	960	1010	1510	1470	1490
3	430	330	360	1050	950	1020	1020	950	975	1490	1460	1470
4	510	370	443	1050	1000	1030	1090	1030	1060	1480	1390	1430
5	630	510	572	1110	1040	1070	1080	940	997	1440	1390	1410
6	700	630	663	1120	1100	1110	---	---	920	1530	1440	1480
7	730	690	713	1100	1060	1090	---	---	910	1550	---	1450
8	810	720	781	1130	1070	1100	---	---	900	1460	1420	1430
9	930	810	866	1130	1090	1110	950	900	920	1490	1410	1460
10	910	760	822	1130	1100	1120	970	940	950	1490	1470	1480
11	830	770	810	1120	1040	1070	1030	960	990	1510	1460	1480
12	870	780	812	1070	1010	1040	1260	---	1130	1530	1510	1520
13	870	730	789	1110	1070	1080	---	1260	1290	1540	1510	1520
14	770	700	729	1110	1030	1060	---	---	1340	1600	1530	1570
15	780	720	748	1090	1040	1070	---	---	1370	1590	1500	1550
16	800	730	759	1170	1100	1120	---	---	1420	1510	1490	1500
17	820	760	788	1210	1170	1190	---	---	1480	1580	1500	1540
18	800	700	735	1260	1200	1230	1510	1470	1480	1610	1580	1590
19	790	750	766	1240	1200	1220	1520	1490	1500	1710	1610	1670
20	810	740	779	1300	1230	1260	1520	1500	1510	1700	1680	1690
21	740	690	707	1310	1280	1290	1520	1500	1510	1670	1650	1660
22	780	710	754	1330	1270	1300	1490	1350	1390	1750	1650	1690
23	760	730	744	1350	1310	1330	1490	1420	1460	1780	1740	1760
24	830	760	798	1330	1210	1250	1550	1490	1530	1750	1680	1710
25	820	800	812	1270	1220	1240	1550	1540	1540	1690	1660	1670
26	800	740	778	1290	1240	1260	1550	1530	1540	1700	1660	1680
27	770	720	744	1330	1280	1310	1570	1550	1560	1700	1660	1690
28	850	760	802	1280	1160	1220	1580	1540	1560	1670	1630	1640
29	910	840	874	1190	1100	1160	1570	1530	1550	1650	1630	1640
30	950	850	896	1170	1050	1100	1550	1470	1510	1640	1530	1610
31	1000	940	962	---	---	---	1480	1440	1460	1510	1470	1490
MONTH	1000	330	742	1350	920	1150	---	---	1290	1780	---	1560

	FEBRUARY 1986			MARCH 1986			APRIL 1986			MAY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	1580	1500	1540	450	420	440	250	240	244	370	350	358
2	1600	1550	1580	450	430	439	250	230	239	380	340	350
3	1580	1520	1550	440	400	424	260	240	245	350	290	320
4	1530	1420	1470	450	400	422	260	240	252	340	280	307
5	1480	1350	1440	440	410	428	270	250	258	380	330	354
6	1360	1230	1290	420	410	417	260	240	249	390	370	383
7	1360	1270	1320	420	400	409	280	240	253	410	380	403
8	1440	1360	1390	390	360	383	280	250	265	450	400	434
9	1490	1440	1470	370	330	349	270	250	263	430	410	422
10	1540	1500	1530	330	280	303	270	250	258	410	390	400
11	1550	1510	1530	290	250	272	270	230	252	430	400	414
12	1530	1440	1490	260	200	224	260	230	247	400	370	393
13	1450	1200	1410	200	160	180	280	250	258	380	360	371
14	1350	1080	1250	180	170	173	280	240	254	420	360	394
15	1060	730	855	190	170	178	260	240	249	440	410	427
16	800	740	768	200	180	191	250	240	244	490	430	464
17	770	660	724	210	180	188	250	230	237	560	480	528
18	650	430	504	210	190	195	260	230	240	590	570	579
19	430	350	396	220	190	204	250	230	240	630	590	613
20	420	330	383	250	210	229	270	230	249	670	630	650
21	330	290	310	280	230	247	270	250	261	690	650	675
22	300	270	285	270	240	256	290	270	275	690	660	676
23	300	270	282	270	250	262	280	270	278	720	700	713
24	350	290	323	280	250	265	300	280	286	730	700	718
25	380	340	361	280	250	263	290	270	280	750	690	722
26	380	360	372	280	250	265	320	270	293	710	680	697
27	400	370	385	290	270	276	380	300	329	700	670	688
28	430	400	415	270	250	256	350	310	326	700	580	663
29	---	---	---	270	250	260	340	300	313	590	560	570
30	---	---	---	260	250	257	370	290	319	590	550	570
31	---	---	---	270	250	253	---	---	---	550	510	530
MONTH	1600	270	951	450	160	287	380	230	265	750	280	509

TABLE 1.--Continued

11274570 SAN JOAQUIN RIVER AT PATTERSON BRIDGE, NEAR PATTERSON, CA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C)

	JUNE 1986			JULY 1986			AUGUST 1986			SEPTEMBER 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	500	480	493	1050	970	1010	950	910	930	770	750	761
2	500	480	492	1090	1040	1070	960	910	938	770	730	754
3	520	480	497	1090	1060	1070	940	890	912	790	720	760
4	490	470	485	1090	1060	1070	900	850	873	840	780	803
5	500	470	491	1150	1070	1110	930	890	915	850	770	795
6	480	450	467	1100	960	1020	960	920	939	820	760	781
7	490	450	477	970	940	954	960	930	940	800	760	781
8	490	450	471	1020	940	976	1000	940	959	750	720	737
9	450	430	441	1070	1020	1050	990	940	967	730	700	714
10	450	410	425	1130	1070	1100	990	950	974	750	710	723
11	440	400	424	1120	1070	1080	940	810	862	770	740	753
12	400	380	388	1160	1130	1150	940	820	887	790	740	760
13	400	380	393	1150	1050	1110	940	850	898	740	700	722
14	470	380	417	1060	1000	1020	890	800	839	700	640	662
15	580	470	519	1120	1010	1080	970	880	934	640	620	635
16	660	580	616	1090	1050	1070	940	900	919	640	620	628
17	740	670	718	1120	1080	1100	900	840	878	630	590	612
18	760	700	742	1120	1070	1100	850	800	826	620	570	595
19	710	690	696	1090	1010	1050	850	790	818	600	540	570
20	830	700	761	1070	1030	1050	850	750	801	610	570	594
21	920	830	875	1030	940	991	830	770	800	620	580	597
22	980	910	943	1050	940	998	910	830	865	600	590	596
23	1020	930	965	1050	1010	1040	850	810	833	660	600	634
24	1040	1000	1010	1020	960	1000	850	820	841	650	580	616
25	1020	970	1000	960	930	942	840	790	819	590	540	553
26	960	890	908	960	920	941	880	760	845	540	520	528
27	990	910	955	940	890	911	860	800	828	540	520	532
28	1010	990	998	900	840	863	930	870	895	550	520	534
29	1030	980	996	880	840	863	920	870	900	550	520	533
30	1030	970	990	910	850	875	870	800	832	570	520	539
31	---	---	---	970	890	930	800	750	780	---	---	---
MONTH	1040	380	668	1160	840	1020	1000	750	879	850	520	660

	OCTOBER 1986			NOVEMBER 1986			DECEMBER 1986			JANUARY 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	580	560	571	900	760	841	1200	1120	1150	1470	1420	1450
2	590	560	578	950	900	926	1200	1140	1160	1470	1420	1440
3	590	560	576	950	930	942	1170	1150	1160	1440	1420	1430
4	610	570	589	950	920	935	1160	1100	1130	1420	1340	1370
5	630	570	597	950	930	943	1210	1140	1170	1340	1310	1330
6	640	580	609	1010	950	978	1330	1210	1260	1350	1270	1320
7	640	580	604	1040	1020	1030	1440	1320	1380	1300	1240	1270
8	710	650	672	1070	1010	1040	1320	1280	1300	1330	1280	1310
9	710	680	695	1080	1030	1060	1320	1270	1300	1380	1310	1350
10	720	690	707	1050	990	1030	1390	1290	1340	1430	1350	1400
11	770	700	725	980	960	974	1350	1310	1340	1420	1400	1410
12	760	700	735	1050	970	1020	1360	1310	1340	1460	1410	1430
13	690	650	665	1060	1020	1040	1360	1300	1320	1490	1430	1460
14	720	690	708	1110	1060	1090	1360	1330	1340	1510	1420	1470
15	720	640	682	1100	1050	1080	1360	1330	1340	1460	1390	1430
16	650	620	637	1050	1020	1040	1440	1360	1400	1390	1210	1290
17	640	460	569	1060	1020	1040	1440	1350	1400	1380	1330	1350
18	450	370	389	1080	1000	1040	1370	1340	1350	1440	1330	1380
19	360	310	333	1080	1050	1060	1370	1320	1340	1460	1360	1420
20	390	350	368	1070	1040	1050	1420	1340	1370	1480	1350	1430
21	430	390	411	1090	1050	1070	1460	1420	1440	1520	1420	1460
22	440	420	427	1140	1060	1100	1480	1460	1470	1520	1400	1460
23	440	420	432	1150	1110	1130	1510	1470	1490	1530	1420	1490
24	480	440	466	1150	1120	1130	1510	1490	1500	1530	1450	1480
25	530	470	500	1180	1140	1160	1490	1410	1450	1540	1400	1450
26	550	530	540	1180	1150	1170	1460	1410	1440	1430	1310	1360
27	580	550	567	1190	1140	1170	1430	1390	1410	1410	1310	1350
28	630	590	612	1190	1160	1180	1400	1370	1390	1390	1250	1300
29	700	620	670	1200	1120	1170	1430	1390	1410	1500	1310	1410
30	750	700	727	1190	1140	1170	1430	1380	1400	1400	1320	1350
31	770	730	748	---	---	---	1440	1400	1420	1550	1380	1450
MONTH	770	310	584	1200	760	1050	1510	1100	1350	1550	1210	1400

TABLE 1.--Continued

11274570 SAN JOAQUIN RIVER AT PATTERSON BRIDGE, NEAR PATTERSON, CA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C)

	FEBRUARY 1987			MARCH 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
1	1570	1510	1550	2160	2050	2100
2	1580	1540	1560	2130	2000	2070
3	1560	1500	1530	2080	1950	2010
4	1540	1490	1520	2030	1920	1950
5	1540	1440	1500	1950	1720	1890
6	1530	1420	1480	1720	1550	1650
7	1600	1520	1560	1670	1100	1410
8	1620	1570	1600	1080	990	1010
9	1650	1590	1620	1170	1010	1080
10	1730	1640	1690	1360	1180	1280
11	1730	1680	1700	1530	1370	1450
12	1720	1670	1700	1660	1530	1600
13	1720	1430	1610	1850	1660	1740
14	1580	1410	1510	1850	1840	1840
15	1630	1370	1530	1860	1820	1840
16	1350	1190	1250	1840	1780	1820
17	1310	1200	1260	1770	1670	1710
18	1420	1290	1360	1660	1650	1650
19	1580	1430	1520	1710	1640	1680
20	1670	1570	1620	1740	1670	1710
21	1790	1670	1750	1790	1720	1750
22	1830	1760	1800	1880	1740	1800
23	1890	1830	1850	1870	1770	1830
24	1930	1900	1910	1780	1740	1760
25	1920	1840	1890	1790	1760	1770
26	1930	1840	1890	1770	1680	1720
27	2000	1930	1980	1770	1700	1720
28	2080	1970	2020	1780	1700	1740
29	---	---	---	1820	1750	1780
30	---	---	---	1820	1770	1810
31	---	---	---	1860	1780	1810
MONTH	2080	1190	1630	2160	990	1710

WATER TEMPERATURE (DEG. C)

	OCTOBER 1985			NOVEMBER 1985			DECEMBER 1985			JANUARY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	20.5	19.0	20.0	15.5	14.5	15.0	12.0	11.5	11.5	11.5	10.5	11.0
2	20.5	19.5	20.0	15.5	14.5	15.0	12.0	11.5	11.5	11.5	11.0	11.5
3	20.5	19.5	20.0	16.0	15.0	15.5	12.5	11.5	12.0	12.0	11.5	12.0
4	21.5	19.5	20.5	16.5	15.5	16.0	12.5	12.0	12.5	13.0	12.0	12.5
5	22.0	20.0	21.0	16.0	15.0	15.5	12.5	12.0	12.0	14.0	13.0	13.5
6	22.0	21.0	21.5	15.0	14.5	15.0	12.0	11.5	12.0	14.0	13.5	13.5
7	21.5	20.5	21.0	15.5	14.0	14.5	12.0	11.5	12.0	13.0	11.5	12.5
8	20.5	19.0	20.0	15.0	14.0	14.5	12.0	11.5	11.5	12.0	11.5	11.5
9	19.0	16.5	17.5	14.5	13.5	14.0	11.5	10.5	10.5	11.5	11.0	11.0
10	16.5	15.0	15.5	14.0	12.5	13.0	10.0	9.5	10.0	11.0	11.0	11.0
11	17.0	15.5	16.0	12.5	11.0	12.0	9.5	8.0	8.5	11.0	10.5	11.0
12	17.5	16.0	16.5	11.0	10.0	10.5	8.5	8.0	8.0	10.5	10.0	10.5
13	16.5	16.0	16.5	11.0	10.0	10.5	8.0	7.5	7.5	10.5	10.0	10.0
14	16.5	15.5	16.0	11.0	10.0	10.5	8.0	7.5	7.5	10.0	9.5	10.0
15	17.0	15.5	16.0	11.0	10.0	10.5	8.0	7.5	7.5	10.5	9.5	10.0
16	17.0	15.5	16.5	11.0	10.5	11.0	8.0	7.5	7.5	12.0	10.5	11.0
17	17.5	16.0	16.5	12.0	11.0	11.5	8.0	7.5	8.0	13.5	12.0	12.5
18	17.5	16.5	17.0	11.5	11.0	11.5	8.0	7.5	7.5	14.0	13.0	13.5
19	17.5	16.5	17.0	11.0	10.5	10.5	7.5	7.5	7.5	14.5	14.0	14.0
20	16.5	16.0	16.5	10.5	10.0	10.5	7.5	7.0	7.5	14.0	13.5	13.5
21	16.5	15.5	16.0	11.0	10.5	10.5	7.5	7.0	7.5	13.5	12.5	13.0
22	16.0	15.5	15.5	11.0	10.0	11.0	7.0	7.0	7.0	12.5	11.5	12.0
23	16.5	15.5	16.0	11.5	11.0	11.0	7.0	7.0	7.0	12.5	11.5	12.0
24	17.0	16.0	16.5	11.5	11.0	11.5	7.0	7.0	7.0	12.5	11.5	12.0
25	17.5	16.5	17.0	12.0	11.5	12.0	7.0	7.0	7.0	12.0	11.0	11.5
26	18.0	16.5	17.0	12.5	11.5	12.0	7.0	7.0	7.0	12.0	11.0	11.5
27	18.0	16.5	17.0	13.0	12.5	12.5	7.0	7.0	7.0	12.0	11.0	11.5
28	17.5	16.5	17.0	12.5	12.5	12.5	7.0	6.5	7.0	12.0	11.5	11.5
29	17.0	16.0	16.5	12.5	12.0	12.5	7.5	7.0	7.0	12.0	12.0	12.0
30	16.5	15.5	16.0	12.0	12.0	12.0	9.0	7.5	8.5	13.0	12.0	12.5
31	15.5	15.0	15.5	---	---	---	10.5	9.0	10.0	13.5	12.5	13.0
MONTH	22.0	15.0	17.5	16.5	10.0	12.5	12.5	6.5	9.0	14.5	9.5	12.0

TABLE 1.--Continued

11274570 SAN JOAQUIN RIVER AT PATTERSON BRIDGE, NEAR PATTERSON, CA--Continued

WATER TEMPERATURE (DEG. C)

	FEBRUARY 1986			MARCH 1986			APRIL 1986			MAY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	13.5	12.5	13.0	16.5	16.0	16.0	18.0	17.0	17.5	17.5	17.0	17.5
2	14.0	13.0	13.5	16.5	16.0	16.0	17.0	15.0	16.0	18.0	16.5	17.5
3	13.5	13.0	13.0	17.0	16.0	16.5	15.0	14.0	14.5	17.5	17.0	17.5
4	12.5	11.5	12.0	17.5	16.5	17.0	15.5	14.0	15.0	17.5	16.5	17.0
5	12.0	11.5	12.0	18.0	17.0	17.5	16.0	15.0	15.5	17.0	15.5	16.5
6	12.0	11.0	11.5	18.0	17.5	18.0	15.5	14.5	15.0	16.0	15.0	15.5
7	11.5	10.5	11.0	17.5	17.0	17.5	15.5	15.0	15.5	16.0	15.0	15.5
8	11.0	10.0	10.5	17.0	16.5	17.0	16.0	15.0	15.5	16.5	15.0	16.0
9	10.5	9.5	10.0	16.5	14.0	15.5	17.0	15.5	16.0	17.5	15.5	16.5
10	11.0	9.5	10.0	14.0	12.5	13.5	18.0	16.0	17.0	18.0	17.0	17.5
11	10.5	9.5	10.0	13.0	12.5	13.0	19.0	17.0	18.0	18.0	17.0	17.5
12	10.5	10.0	10.5	13.5	13.0	13.5	18.0	17.0	17.5	18.0	17.0	17.5
13	12.0	10.5	11.0	13.5	13.0	13.5	17.0	16.0	16.0	18.5	17.0	18.0
14	13.0	12.0	12.5	13.5	12.5	13.0	16.5	15.0	15.5	19.0	18.0	18.5
15	13.0	12.0	12.5	13.0	11.5	12.5	16.5	15.5	16.0	19.5	18.0	18.5
16	13.0	12.5	13.0	11.5	11.0	11.0	15.5	15.0	15.0	19.5	18.5	19.0
17	13.0	12.5	13.0	11.5	10.5	11.0	15.5	14.5	15.0	20.0	18.5	19.5
18	14.0	13.5	13.5	12.5	11.0	11.5	16.0	14.5	15.0	21.0	19.5	20.5
19	14.5	14.0	14.0	13.5	12.0	12.5	17.0	15.0	16.0	21.0	20.0	20.5
20	14.5	14.0	14.0	15.0	13.0	14.0	18.5	16.5	17.5	20.5	20.0	20.5
21	14.5	13.5	14.0	16.0	14.5	15.0	20.0	18.0	19.0	19.5	18.5	19.0
22	14.5	13.5	14.0	16.5	15.0	16.0	20.5	19.5	20.0	18.5	17.5	18.0
23	14.5	13.5	14.0	16.5	16.0	16.0	20.0	19.0	19.5	18.5	17.5	18.0
24	15.5	14.0	14.5	16.5	15.5	16.0	19.0	18.0	18.5	19.0	17.5	18.5
25	16.0	14.5	15.0	16.5	15.0	15.5	18.5	17.5	18.0	20.5	18.5	19.5
26	16.0	15.0	15.5	16.5	15.0	16.0	17.5	16.5	17.0	22.0	20.0	21.0
27	16.0	15.5	15.5	17.5	16.0	16.5	17.5	16.0	16.5	22.5	21.0	21.5
28	16.0	15.5	15.5	18.0	16.5	17.5	18.0	16.5	17.5	22.5	21.0	22.0
29	---	---	---	18.5	17.5	18.0	18.0	17.0	17.5	23.5	21.5	22.5
30	---	---	---	18.5	17.5	18.0	18.0	17.0	17.5	24.0	22.5	23.0
31	---	---	---	18.0	17.0	17.5	---	---	---	23.5	22.5	23.0
MONTH	16.0	9.5	13.0	18.5	10.5	15.0	20.5	14.0	16.5	24.0	15.0	19.0

	JUNE 1986			JULY 1986			AUGUST 1986			SEPTEMBER 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	23.5	22.5	23.0	26.0	24.0	25.0	27.0	25.0	26.0	25.5	23.5	24.5
2	23.0	22.0	22.5	27.0	25.0	26.0	27.0	25.0	26.0	25.5	24.0	24.5
3	23.0	21.5	22.5	27.0	26.0	26.5	27.0	25.0	26.0	25.5	24.0	25.0
4	23.0	21.5	22.5	26.0	25.0	25.5	27.0	25.5	26.5	25.5	23.5	24.5
5	22.5	21.5	22.0	25.0	23.5	24.0	27.5	25.5	26.5	25.5	24.0	25.0
6	22.5	21.5	22.0	25.0	23.5	24.0	27.0	25.5	26.5	25.5	24.0	24.5
7	22.0	21.0	21.5	25.0	23.0	24.0	26.0	25.0	25.5	25.0	23.5	24.5
8	21.5	20.5	21.0	25.5	23.5	24.5	26.0	24.0	25.0	24.5	23.0	23.5
9	22.0	21.0	21.5	25.5	24.0	24.5	25.5	24.0	25.0	23.5	22.0	23.0
10	23.5	21.5	22.5	25.5	24.0	24.5	25.5	24.0	25.0	22.5	21.0	22.0
11	24.0	23.0	23.5	26.5	24.5	25.5	26.0	24.0	25.0	22.5	21.0	22.0
12	24.5	23.0	23.5	27.0	25.0	26.0	26.0	24.5	25.5	22.0	21.0	21.5
13	24.5	23.5	24.0	27.5	26.0	26.5	26.5	24.5	25.5	22.0	20.5	21.0
14	24.5	23.0	24.0	27.0	25.5	26.0	26.0	24.5	25.0	21.0	19.5	20.5
15	24.0	23.0	23.5	27.0	25.5	26.0	25.0	24.0	24.5	21.0	19.5	20.0
16	23.5	22.5	23.0	25.5	24.5	25.0	24.5	23.0	23.5	21.0	19.5	20.5
17	24.0	22.5	23.0	25.0	23.5	24.5	24.0	23.0	23.5	20.5	19.0	20.0
18	23.0	22.0	22.5	24.0	23.0	23.5	24.5	22.5	23.5	19.5	18.5	19.0
19	23.0	21.5	22.0	24.0	22.5	23.0	25.0	23.5	24.0	20.0	18.5	19.0
20	23.0	21.5	22.0	25.0	23.0	24.0	24.5	24.0	24.0	19.5	18.5	19.0
21	24.0	22.0	23.0	26.5	24.5	25.5	24.5	23.0	24.0	20.0	18.5	19.0
22	25.5	23.0	24.0	26.0	25.0	25.5	24.5	23.0	23.5	20.0	18.5	19.5
23	26.0	24.5	25.0	25.5	24.5	25.0	24.0	22.5	23.5	20.5	19.0	19.5
24	26.5	24.5	25.5	25.0	24.0	24.5	24.5	23.0	23.5	19.5	18.5	19.0
25	26.5	25.0	26.0	25.5	23.5	24.5	25.0	23.5	24.0	18.5	18.0	18.5
26	26.5	25.0	25.5	25.0	23.5	24.0	25.0	23.5	24.5	18.5	18.0	18.5
27	26.0	24.5	25.0	25.0	23.5	24.0	25.5	23.5	24.5	18.5	17.5	18.0
28	25.0	24.0	24.5	24.5	23.0	24.0	25.0	23.5	24.0	18.5	17.0	18.0
29	24.5	23.0	24.0	24.5	23.0	24.0	24.5	23.0	23.5	18.5	17.0	18.0
30	25.0	23.5	24.0	25.5	23.5	24.5	24.5	22.5	23.5	19.0	17.5	18.5
31	---	---	---	26.5	24.5	25.5	24.5	23.0	23.5	---	---	---
MONTH	26.5	20.5	23.5	27.5	22.5	25.0	27.5	22.5	24.5	25.5	17.0	21.0

TABLE 1.--Continued

11274570 SAN JOAQUIN RIVER AT PATTERSON BRIDGE, NEAR PATTERSON, CA--Continued

WATER TEMPERATURE (DEG. C)

	OCTOBER 1986			NOVEMBER 1986			DECEMBER 1986			JANUARY 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	18.5	17.5	18.0	15.5	15.0	15.0	11.0	9.5	10.0	10.0	9.0	9.5
2	17.5	16.0	17.0	15.5	14.5	15.0	10.5	9.5	10.0	10.0	9.5	10.0
3	17.5	16.0	17.0	15.5	14.5	15.0	10.5	9.5	10.0	10.0	10.0	10.0
4	18.0	16.5	17.5	15.5	14.5	15.0	10.5	10.0	10.0	11.0	10.0	10.5
5	19.0	17.0	18.0	15.5	14.5	15.0	11.0	10.0	10.5	10.5	10.0	10.0
6	19.5	18.0	19.0	14.5	13.0	13.5	11.5	10.5	11.0	10.0	10.0	10.0
7	20.5	19.0	19.5	13.0	12.0	12.5	11.0	10.0	10.5	10.0	9.5	9.5
8	20.5	19.0	20.0	13.0	12.0	12.5	11.0	10.0	10.5	9.5	9.0	9.0
9	21.0	19.5	20.0	13.0	12.0	12.5	10.5	9.5	10.0	9.0	8.5	8.5
10	20.5	19.5	20.0	13.0	12.0	12.5	10.0	9.5	10.0	8.5	8.5	8.5
11	20.0	19.0	19.5	13.5	12.0	12.5	10.0	9.5	9.5	8.5	8.0	8.5
12	19.0	18.0	18.5	13.5	12.5	13.0	9.5	9.0	9.5	8.0	8.0	8.0
13	19.0	18.0	18.5	14.0	12.5	13.0	9.5	9.0	9.0	8.5	7.5	8.0
14	19.0	18.0	18.5	14.0	12.5	13.5	9.5	9.0	9.5	8.0	7.0	7.5
15	19.0	18.0	18.5	14.0	13.0	13.5	10.0	9.5	9.5	7.5	5.5	6.5
16	18.5	17.5	18.0	13.5	12.5	13.0	10.5	9.0	9.5	5.5	4.5	5.0
17	18.0	17.0	17.5	13.0	12.5	12.5	10.0	9.0	9.5	5.5	4.5	5.0
18	17.0	16.0	16.5	14.0	12.5	13.0	10.5	9.5	10.0	6.5	5.0	6.0
19	16.5	15.5	16.0	14.5	13.5	14.0	11.0	10.0	10.5	7.0	5.5	6.5
20	16.5	15.5	16.0	15.0	13.5	14.5	11.5	10.5	11.0	7.5	6.0	6.5
21	17.0	16.0	16.5	14.5	13.5	14.5	11.0	10.5	10.5	7.5	6.5	7.0
22	17.5	16.0	16.5	14.0	13.0	13.5	10.5	10.0	10.5	8.0	7.0	7.5
23	17.0	16.5	16.5	13.5	12.5	13.0	11.0	10.0	10.5	9.0	7.5	8.5
24	17.0	16.0	16.5	13.5	12.0	13.0	11.0	10.0	10.5	9.5	8.5	9.0
25	18.0	16.5	17.0	12.5	12.0	12.0	10.5	9.5	10.0	10.5	9.0	10.0
26	18.0	17.0	17.5	12.5	11.0	11.5	10.0	9.5	9.5	11.0	10.0	10.5
27	18.5	17.0	18.0	12.0	11.0	11.5	10.0	9.5	9.5	11.0	10.5	11.0
28	18.0	17.0	17.5	11.5	11.0	11.0	9.5	9.0	9.5	11.5	10.5	11.0
29	17.5	16.5	17.0	11.5	10.5	11.0	10.0	9.0	9.5	11.5	11.0	11.0
30	17.5	16.5	17.0	11.0	10.0	10.5	9.5	9.0	9.0	11.5	11.0	11.0
31	16.5	15.5	16.0	---	---	---	9.5	9.0	9.5	11.5	10.5	11.0
MONTH	21.0	15.5	17.5	15.5	10.0	13.0	11.5	9.0	10.0	11.5	4.5	8.5

	FEBRUARY 1987			MARCH 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
1	11.5	11.0	11.0	14.0	12.0	13.0
2	11.0	11.0	11.0	14.5	13.0	14.0
3	12.0	11.0	11.5	15.0	14.0	14.5
4	12.5	11.0	11.5	14.5	14.0	14.5
5	12.5	11.5	12.0	14.0	13.5	14.0
6	12.5	11.5	12.0	14.5	13.5	14.0
7	13.5	12.0	12.5	14.5	14.0	14.0
8	14.0	12.5	13.0	14.5	14.0	14.5
9	14.0	13.5	13.5	15.5	14.0	14.5
10	15.0	13.5	14.5	15.0	14.5	15.0
11	15.5	14.5	15.0	16.5	14.5	15.5
12	15.0	14.5	15.0	17.5	15.5	16.5
13	14.5	14.0	14.5	17.5	16.0	17.0
14	14.0	13.5	13.5	17.0	15.5	16.0
15	14.5	13.0	13.5	15.5	14.5	15.0
16	13.5	12.5	13.0	15.5	13.5	14.5
17	13.0	12.0	12.5	16.0	14.0	15.0
18	13.0	12.0	12.5	15.0	14.5	15.0
19	12.0	10.5	11.5	15.0	14.0	14.5
20	12.0	10.5	11.5	15.0	13.0	14.0
21	12.0	11.0	11.5	15.0	13.5	14.0
22	12.0	10.5	11.5	14.5	13.0	14.0
23	12.0	11.0	11.5	14.5	14.0	14.0
24	12.0	10.5	11.0	14.5	13.0	14.0
25	12.0	11.0	11.5	15.5	13.5	14.5
26	12.0	10.5	11.5	16.5	14.5	15.5
27	12.5	11.0	11.5	16.0	14.5	15.5
28	13.0	11.5	12.0	16.0	14.0	15.0
29	---	---	---	17.0	14.5	15.5
30	---	---	---	18.0	15.5	17.0
31	---	---	---	18.5	17.0	18.0
MONTH	15.5	10.5	12.5	18.5	12.0	15.0

TABLE 1.--Continued

11290000 TUOLUMNE RIVER AT MODESTO, CA

LOCATION.--Lat 37°37'38", long 120°59'11", in SE 1/4 SW 1/4 sec. 33, T.3 S., R.9 E., Stanislaus County, Hydrologic Unit 18040002, on left bank at bridge on Ninth Street in Modesto, and 0.2 mi downstream from Dry Creek.
DRAINAGE AREA.--1,884 mi^2.
PERIOD OF RECORD.--July 1985 to March 1987.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: December 1985 to March 1987.
WATER TEMPERATURE: December 1985 to March 1987.
INSTRUMENTATION.--Minimonitor recorder since October 1985.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 369 microsiemens, Sept. 2, 1986; minimum daily, 20 microsiemens, June 16, 1986.
WATER TEMPERATURE: Maximum recorded, 31.0°C, Aug. 5, 1986; minimum recorded, 9.0°C, Jan. 23, 24, 1987.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L AS CACO3)	CALCIUM, DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
JUL 1985												
15...	1430	221	218	8.2	29.0	756	9.9	67	0	15	7.2	16
30...	1030	248	205	7.9	24.0	760	8.7	66	3	15	7.0	16
AUG												
12...	1230	232	212	8.2	25.5	759	9.0	67	4	15	7.2	16
SEP												
09...	1400	287	210	7.9	23.0	760	9.5	66	0	15	6.9	14
24...	1315	210	299	8.2	25.0	759	11.1	91	0	21	9.4	24
OCT												
08...	1445	427	171	7.8	20.5	752	8.6	49	0	11	5.2	11
21...	1315	517	124	7.3	17.0	755	9.5	40	0	9.2	4.2	9.3
NOV												
04...	1345	441	149	7.6	17.0	760	9.4	47	0	11	4.8	11
22...	0915	679	142	7.3	10.0	774	11.3	47	0	11	4.7	11
DEC												
02...	1430	786	155	7.4	16.0	755	9.1	51	0	12	5.1	11
16...	1430	433	162	7.2	9.0	769	11.0	53	0	12	5.5	12
JAN 1986												
06...	1300	436	150	7.2	13.5	769	9.2	52	2	12	5.3	12
21...	1330	436	194	7.5	13.0	764	9.0	61	1	14	6.3	16
FEB												
03...	1400	604	194	7.2	13.0	764	9.8	56	4	13	5.8	13
18...	1430	4180	117	7.4	13.0	758	8.7	30	0	6.4	3.3	5.1
MAR												
04...	0715	4260	38	7.2	11.0	768	11.2	18	0	4.0	2.0	2.4
17...	1545	7800	40	7.4	13.5	762	11.0	16	0	3.9	1.6	2.2
31...	1330	6730	43	7.3	12.0	759	11.3	16	0	3.8	1.5	2.0
APR												
15...	0715	6740	47	7.4	11.5	762	11.6	16	0	3.9	1.6	2.1
MAY												
05...	1630	2630	63	7.4	13.5	760	10.3	20	0	4.8	2.0	3.3
19...	1445	2830	46	7.4	16.0	759	9.8	19	0	4.6	1.9	3.0
JUN												
02...	1515	2470	45	7.4	21.0	760	9.0	18	0	4.4	1.8	2.9
17...	0715	2960	40	7.3	14.5	760	12.4	17	0	4.0	1.7	2.5
JUL												
14...	1245	351	162	7.4	27.0	760	8.4	52	0	12	5.4	12
AUG												
25...	1615	302	204	8.0	28.5	760	11.3	66	0	15	7.0	15
SEP												
23...	1530	1270	96	7.4	18.0	760	9.5	33	0	7.5	3.4	7.3
OCT												
21...	1545	925	135	7.6	16.5	760	9.8	44	0	10	4.6	10
NOV												
20...	1400	1030	77	7.4	14.0	760	10.4	27	0	6.2	2.7	5.7
DEC												
17...	0730	3220	46	6.9	11.0	760	10.5	16	0	3.9	1.6	2.6
JAN 1987												
23...	0730	864	94	7.4	9.0	760	11.2	32	0	7.5	3.2	6.7
FEB												
20...	0730	381	218	7.5	10.5	770	10.4	66	2	15	7.0	16
MAR												
26...	0730	577	151	7.5	12.0	770	10.4	48	0	11	5.1	12

TABLE 1.--Continued

11290000 TUOLUMNE RIVER AT MODESTO, CA--Continued

WATER QUALITY DATA

DATE	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, CARBONATE IT-FLD (MG/L AS CAC03)	SULFATE, DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3, DISSOLVED (MG/L AS N)
JUL 1985												
15...	33	0.9	2.4	67	11	14	<0.1	26	140	0.19	84	0.82
30...	33	0.9	3.3	63	8.7	15	0.1	24	129	0.18	86	0.76
AUG												
12...	33	0.9	3.4	63	6.8	17	0.1	25	139	0.19	87	0.60
SEP												
09...	30	0.8	3.7	69	6.6	14	0.1	27	124	0.17	96	0.61
24...	35	1	3.8	93	11	25	0.1	30	186	0.25	105	0.94
OCT												
08...	32	0.7	2.2	82	7.5	11	<0.1	20	108	0.15	125	0.55
21...	32	0.7	1.5	42	6.5	10	<0.1	16	95	0.13	133	0.55
NOV												
04...	33	0.7	1.4	48	6.2	12	<0.1	18	89	0.12	106	0.62
22...	29	0.7	9.3	50	6.9	12	<0.1	18	91	0.12	167	0.65
DEC												
02...	31	0.7	2.2	51	6.9	13	<0.1	19	98	0.13	208	0.77
16...	32	0.7	1.9	54	7.6	14	<0.1	19	94	0.13	110	0.81
JAN 1986												
06...	32	0.7	2.0	50	8.4	13	<0.1	17	94	0.13	111	0.85
21...	35	0.9	2.0	60	9.7	15	0.1	20	115	0.16	135	1.1
FEB												
03...	33	0.8	1.6	52	7.4	12	<0.1	18	99	0.13	161	0.84
18...	24	0.4	4.3	34	7.0	4.2	<0.1	16	69	0.09	779	0.32
MAR												
04...	21	0.3	0.90	19	2.7	1.4	<0.1	8.4	29	0.04	334	<0.10
17...	21	0.2	1.1	20	2.8	0.40	<0.1	9.4	44	0.06	927	<0.10
31...	20	0.2	1.0	16	3.9	1.1	<0.1	9.3	37	0.05	672	<0.10
APR												
15...	21	0.2	0.90	18	3.1	1.2	<0.1	9.2	30	0.04	546	<0.10
MAY												
05...	25	0.3	0.90	23	3.7	2.6	<0.1	11	43	0.06	305	0.14
19...	24	0.3	0.80	21	3.0	2.2	<0.1	11	43	0.06	329	0.12
JUN												
02...	25	0.3	0.80	21	--	2.3	<0.1	9.8	41	--	--	0.12
17...	23	0.3	0.70	19	2.8	1.7	<0.1	9.1	31	0.04	248	<0.10
JUL												
14...	32	0.7	2.0	52	7.4	17	<0.1	18	104	0.14	99	0.61
AUG												
25...	32	0.8	2.9	69	9.8	15	0.1	23	144	0.20	117	0.84
SEP												
23...	32	0.6	1.2	38	4.8	7.9	<0.1	13	73	0.10	250	0.48
OCT												
21...	32	0.7	1.6	48	7.1	12	<0.1	16	129	0.18	322	0.71
NOV												
20...	31	0.5	1.0	28	--	6.5	<0.1	11	60	--	--	0.30
DEC												
17...	25	0.3	0.70	19	3.2	11	<0.1	9.6	39	0.05	339	0.11
JAN 1987												
23...	30	0.5	1.3	34	5.3	7.8	<0.1	12	81	0.11	189	0.48
FEB												
20...	34	0.9	1.6	64	9.3	18	<0.1	17	126	0.17	130	0.89
MAR												
26...	34	0.8	1.4	49	6.4	12	<0.1	15	86	0.12	134	0.59

TABLE 1.--Continued

11290000 TUOLUMNE RIVER AT MODESTO, CA--Continued

WATER QUALITY DATA

DATE	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	NITROGEN, AMMONIA + ORGANIC, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP., SIEVE DIAM. % FINER THAN 0.062 MM	CHLOR-A PHYTOPLANKTON, CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON, CHROMO FLUOROM (UG/L)	CARBON, ORGANIC, TOTAL (MG/L AS C)
JUL 1985												
15...	0.07	0.09	0.60	0.29	0.28	0.21	26	16	90	0.70	<0.10	--
30...	0.15	0.19	0.70	0.23	0.19	0.13	22	15	--	1.4	<0.10	--
AUG												
12...	0.08	0.10	0.60	0.24	0.20	0.16	26	16	--	3.3	<0.10	--
SEP												
09...	0.07	0.09	0.50	0.20	0.18	0.17	18	14	91	1.1	<0.10	--
24...	0.11	0.14	0.60	0.17	0.14	0.12	15	8.5	88	1.9	<0.10	--
OCT												
08...	0.10	0.13	0.60	0.11	0.10	0.11	19	22	84	1.1	0.20	--
21...	0.05	0.06	0.40	0.04	0.03	0.03	11	15	97	0.50	<0.10	--
NOV												
04...	0.05	0.06	0.40	0.04	0.03	0.04	7	8.3	96	0.50	<0.10	--
22...	0.06	0.08	0.40	0.04	0.02	0.03	8	15	74	1.1	<0.10	--
DEC												
02...	0.12	0.15	0.40	0.05	0.03	0.04	6	13	96	0.30	<0.10	--
16...	0.08	0.10	0.50	0.05	0.04	0.04	5	5.8	94	0.40	<0.10	1.2
JAN 1986												
06...	0.13	0.17	0.50	0.06	0.06	0.05	9	11	87	0.30	0.10	1.5
21...	0.15	0.19	0.60	0.16	0.09	0.09	27	32	97	0.50	<0.10	2.1
FEB												
03...	0.06	0.08	0.50	0.04	0.04	0.03	19	31	60	1.2	0.10	1.3
18...	0.21	0.27	1.9	0.41	0.24	0.20	--	--	68	4.1	0.90	23
MAR												
04...	0.04	0.05	0.30	0.04	0.01	0.01	26	299	79	0.60	<0.10	3.0
17...	0.04	0.05	0.40	0.10	0.02	0.02	--	--	--	0.70	<0.10	3.8
31...	0.02	0.03	0.40	0.05	0.02	0.01	--	--	--	--	--	3.0
APR												
15...	0.04	0.05	0.20	0.03	0.01	0.01	27	491	60	1.2	0.20	2.1
MAY												
05...	0.03	0.04	0.30	0.04	0.02	0.01	--	--	--	1.0	0.10	2.4
19...	0.02	0.03	0.40	0.04	0.01	0.01	--	--	--	1.1	0.20	1.6
JUN												
02...	0.03	0.04	0.20	0.04	0.02	0.01	--	--	--	0.90	0.20	1.9
17...	0.01	0.01	0.30	0.05	0.02	<0.01	--	--	--	1.3	<0.10	1.8
JUL												
14...	0.05	0.06	0.50	0.10	0.07	0.07	10	9.5	74	1.6	0.20	2.0
AUG												
25...	0.02	0.03	0.80	0.19	0.18	0.13	17	14	87	0.50	<0.10	2.5
SEP												
23...	0.03	0.04	0.40	0.05	0.02	0.03	--	--	--	4.1	0.20	2.7
OCT												
21...	0.01	0.01	0.90	0.18	0.03	0.01	6	15	68	<0.70	<0.20	1.6
NOV												
20...	<0.01	--	0.30	0.03	0.01	0.01	18	50	56	0.60	<0.10	1.6
DEC												
17...	<0.01	--	0.40	0.02	0.02	<0.01	--	--	--	0.70	<0.10	2.6
JAN 1987												
23...	0.10	0.13	0.60	0.06	0.04	0.03	13	30	55	0.60	<0.10	7.6
FEB												
20...	0.02	0.03	0.50	<0.01	<0.01	0.02	4	4.1	88	1.0	<0.10	1.5
MAR												
26...	0.03	0.04	0.40	0.03	0.02	0.01	12	19	86	1.6	0.10	1.7

TABLE 1.--Continued

11290000 TUOLUMNE RIVER AT MODESTO, CA--Continued

WATER QUALITY DATA

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC, TOTAL (UG/L AS AS)	ARSENIC, DISSOLVED (UG/L AS AS)	BORON, TOTAL RECOVERABLE (UG/L AS B)	BORON, DISSOLVED (UG/L AS B)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)
JUL 1985											
15...	410	70	2	2	30	20	3	6	2	660	120
30...	180	40	5	4	20	20	10	3	1	370	99
AUG											
12...	270	40	3	2	50	30	14	2	1	420	60
SEP											
09...	180	50	--	2	40	30	7	4	2	580	110
24...	110	20	3	3	50	40	5	2	3	260	63
OCT											
08...	200	30	2	2	30	20	8	3	1	370	81
21...	220	10	1	1	20	20	7	2	<1	390	52
NOV											
04...	160	<10	1	1	30	20	5	3	1	310	54
22...	100	<10	1	1	40	20	8	5	5	260	54
DEC											
02...	80	<10	1	1	20	20	9	7	2	240	58
16...	130	<10	1	1	60	20	6	4	1	300	56
JAN 1986											
06...	130	60	1	1	10	20	9	3	1	340	170
21...	490	<10	3	2	20	20	8	4	<1	1100	29
FEB											
03...	280	<10	1	1	40	30	7	<1	<1	510	38
18...	6900	270	1	<1	10	20	13	12	3	8400	280
MAR											
04...	880	50	<1	<1	20	10	9	3	<1	930	40
17...	1200	220	<1	<1	<10	<10	12	7	1	1700	98
31...	1200	150	<1	<1	<10	<10	10	8	2	1600	76
APR											
15...	590	90	<1	<1	<10	<10	6	12	4	760	56
MAY											
05...	1500	30	<1	<1	10	10	8	6	2	2500	45
19...	8700	30	2	<1	40	<10	25	18	<1	12000	48
JUN											
02...	900	10	<1	<1	20	10	10	6	4	1400	34
17...	1500	20	1	<1	20	<10	13	6	<1	2400	34
JUL											
14...	360	20	2	2	20	30	5	5	1	270	35
AUG											
25...	190	30	2	2	90	30	2	4	4	170	60
SEP											
23...	4300	<10	2	1	<10	20	12	14	1	7800	23
OCT											
21...	100	<10	1	1	<10	20	--	5	<1	210	43
NOV											
20...	280	20	<1	<1	50	20	<1	12	2	370	27
DEC											
17...	540	<10	<1	<1	<10	10	1	--	<1	890	24
JAN 1987											
23...	230	20	1	1	40	20	<1	8	1	360	21
FEB											
20...	90	<10	1	1	10	30	<1	4	1	200	30
MAR											
26...	150	<10	1	2	20	20	<1	3	<1	230	37

TABLE 1.--Continued

11290000 TUOLUMNE RIVER AT MODESTO, CA--Continued

WATER QUALITY DATA

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
JUL 1985											
15...	1	90	28	2	<1	4	<1	<1	<1	30	6
30...	2	70	41	<1	1	9	<1	<1	<1	50	12
AUG											
12...	1	60	30	<1	1	7	<1	<1	<1	20	11
SEP											
09...	<1	60	21	1	<1	8	<1	<1	<1	20	11
24...	<1	50	31	3	1	5	7	<1	<1	10	6
OCT											
08...	4	60	19	<1	<1	8	2	<1	<1	10	7
21...	<1	50	14	3	1	3	2	<1	<1	10	9
NOV											
04...	1	40	16	<1	1	19	<1	<1	<1	<10	<3
22...	<1	30	14	<1	1	7	1	<1	<1	<10	<3
DEC											
02...	<1	40	22	<1	<1	1	<1	<1	<1	50	7
16...	<1	40	20	1	1	5	4	<1	<1	20	<3
JAN 1986											
06...	4	50	34	4	1	7	<1	<1	<1	<10	10
21...	<1	70	19	2	1	4	<1	<1	<1	<10	<3
FEB											
03...	<1	50	23	15	15	6	<1	<1	<1	10	10
18...	76	250	15	<1	4	11	<1	<1	<1	60	15
MAR											
04...	31	50	3	1	<5	14	1	<1	<1	10	3
17...	20	50	6	<1	1	3	<1	1	1	20	4
31...	17	50	4	1	1	1	1	<1	<1	10	4
APR											
15...	38	30	6	1	2	4	4	<1	<1	<10	6
MAY											
05...	15	90	13	<1	<1	3	<1	<1	<1	20	5
19...	18	620	9	3	<5	--	<1	<1	<1	40	7
JUN											
02...	25	60	11	<1	1	8	6	<1	<1	20	7
17...	20	80	10	<1	<1	11	1	<1	<1	20	10
JUL											
14...	<5	40	19	2	1	5	1	<1	<1	20	5
AUG											
25...	<5	40	20	3	1	5	2	<1	<1	20	10
SEP											
23...	--	370	8	<1	1	26	1	<1	<1	20	9
OCT											
21...	<5	30	12	3	2	4	<1	<1	<1	270	4
NOV											
20...	40	20	8	8	2	4	3	<1	<1	20	13
DEC											
17...	25	40	5	3	1	<1	1	<1	<1	10	9
JAN 1987											
23...	33	20	8	5	2	6	<1	<1	<1	10	16
FEB											
20...	<5	30	20	1	1	2	<1	<1	<1	<10	<10
MAR											
26...	<5	40	24	<1	1	1	<1	<1	<1	20	<3

TABLE 1.--Continued

11290000 TUOLUMNE RIVER AT MODESTO, CA--Continued

WATER QUALITY DATA

DATE	TIME	DI-CHLORO-BROMO-METHANE, TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE, TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE, TOTAL (UG/L)	BROMO-FORM, TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE, TOTAL (UG/L)	CHLORO-FORM, TOTAL (UG/L)	TOLUENE, TOTAL (UG/L)	BENZENE, TOTAL (UG/L)	CHLORO-BENZENE, TOTAL (UG/L)	CHLORO-ETHANE, TOTAL (UG/L)
SEP 1985 24...	1315	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

DATE	ETHYL-BENZENE, TOTAL (UG/L)	METHYL-BROMIDE, TOTAL (UG/L)	METHYL-ENE CHLO-RIDE, TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE, TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE, TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE, TOTAL (UG/L)	1,1-DI-CHLORO-ETHYL-ENE, TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE, TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE, TOTAL (UG/L)	1,1,2,2 TETRA-CHLORO-ETHANE, TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE, TOTAL (UG/L)
SEP 1985 24...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

DATE	1,2-TRANSDI CHLORO-ETHYL-ENE, TOTAL (UG/L)	1,3-DI-CHLORO-PROPANE, TOTAL (UG/L)	2-CHLORO-ETHYL-VINYL-ETHER, TOTAL (UG/L)	DI-CHLORO-DI-FLUORO-METHANE, TOTAL (UG/L)	PRO-PAZINE, TOTAL (UG/L)	METHO-MYL, TOTAL (UG/L)	PROPHAM, TOTAL (UG/L)	SIME-TRYNE, TOTAL (UG/L)	SIMA-ZINE, TOTAL (UG/L)	PROME-TONE, TOTAL (UG/L)
SEP 1985 24...	<3.0	<3.0	<3.0	<3.0	<0.10	<2.0	<2.0	<0.1	<0.10	<0.1

DATE	PROME-TRYNE, TOTAL (UG/L)	VINYL CHLO-RIDE, TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	ATRA-ZINE, TOTAL (UG/L)	PICLO-RAM (TOR-DON) (AMDON), TOTAL (UG/L)
SEP 1985 24...	<0.1	<3.0	<3.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.10	<0.01

DATE	2,4-D, TOTAL (UG/L)	2,4,5-T, TOTAL (UG/L)	SEVIN, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	CYAN-AZINE, TOTAL (UG/L)	DICAMBA (MED-IBEN) (BAN-VEL D), TOTAL (UG/L)	2,4-DP, TOTAL (UG/L)	AME-TRYNE, TOTAL (UG/L)
SEP 1985 24...	<0.01	<0.01	<2.0	<0.01	<0.01	<0.01	<0.10	<0.01	<0.01	<0.1

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	LINDANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT 1985 08...	1445	171	7.8	20.5	752	8.6	<1.0	<0.1	<0.1	<1.0	<0.1	0.1

DATE	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE, TOT. IN BOTTOM MATL. (UG/KG)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT 1985 08...	<0.1	<0.1	<0.1	<0.1	<10	<0.1	<0.1	<0.1	<1	<0.1	<1.0

TABLE 1.--Continued

11290000 TUOLUMNE RIVER AT MODESTO, CA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C)

	OCTOBER 1985			NOVEMBER 1985			DECEMBER 1985			JANUARY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	252	---	---	145	---	---	151	186	107	146
2	---	---	220	---	---	145	---	---	156	190	146	172
3	---	---	171	---	---	146	---	---	157	146	123	133
4	---	---	174	---	---	146	---	---	157	129	123	126
5	---	---	167	---	---	148	---	---	157	153	126	137
6	---	---	157	---	---	148	---	---	157	181	126	156
7	---	---	157	---	---	149	---	---	157	181	128	153
8	---	---	161	---	---	149	---	---	158	130	102	118
9	---	---	152	---	---	149	176	138	166	108	105	107
10	---	---	156	---	---	148	178	176	177	112	107	110
11	---	---	152	---	---	148	176	172	174	113	107	110
12	---	---	163	---	---	148	174	172	173	118	106	113
13	---	---	157	---	---	148	173	171	172	181	115	151
14	---	---	156	---	---	148	171	170	170	182	126	155
15	---	---	146	---	---	148	171	166	169	125	98	110
16	---	---	143	---	---	148	169	164	167	109	91	99
17	---	---	110	---	---	148	167	161	165	132	97	107
18	---	---	120	---	---	148	168	163	166	163	131	147
19	---	---	143	---	---	148	167	163	166	169	133	156
20	---	---	155	---	---	148	169	163	167	187	157	175
21	---	---	124	---	---	148	168	134	157	195	164	186
22	---	---	118	---	---	143	160	134	147	166	134	155
23	---	---	133	---	---	143	159	124	143	137	118	130
24	---	---	143	---	---	148	123	111	119	136	118	129
25	---	---	143	---	---	148	159	114	139	158	132	148
26	---	---	143	---	---	147	160	124	144	171	146	160
27	---	---	145	---	---	147	124	89	109	---	---	162
28	---	---	128	---	---	148	101	80	87	---	---	194
29	---	---	128	---	---	150	125	90	102	---	---	194
30	---	---	140	---	---	152	142	117	131	---	---	193
31	---	---	145	---	---	---	115	101	105	---	---	192
MONTH	---	---	152	---	---	148	---	---	150	---	---	146

	FEBRUARY 1986			MARCH 1986			APRIL 1986			MAY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	193	---	---	37	---	---	40	68	64	66
2	---	---	191	---	---	38	---	---	41	67	63	65
3	---	---	193	---	---	38	---	---	41	75	66	69
4	---	---	182	---	---	38	---	---	42	74	67	71
5	---	---	182	---	---	38	---	---	42	65	59	63
6	---	---	186	---	---	38	---	---	43	69	62	66
7	---	---	187	---	---	38	---	---	43	76	70	73
8	---	---	189	---	---	38	---	---	44	76	67	73
9	---	---	190	---	---	37	---	---	45	66	63	59
10	---	---	193	---	---	39	---	---	45	62	44	48
11	---	---	190	---	---	39	---	---	46	---	---	44
12	---	---	186	---	---	40	---	---	46	---	---	44
13	---	---	176	---	---	39	---	---	47	---	---	44
14	---	---	172	---	---	40	---	---	47	---	---	45
15	---	---	182	---	---	40	---	---	47	---	---	45
16	---	---	179	---	---	40	45	41	43	---	---	45
17	---	---	147	---	---	40	67	41	51	---	---	46
18	---	---	117	---	---	40	100	67	84	---	---	46
19	---	---	40	---	---	41	107	99	105	---	---	48
20	---	---	32	---	---	41	114	95	98	72	52	61
21	---	---	34	---	---	41	112	103	111	83	71	74
22	---	---	34	---	---	42	108	107	109	82	70	76
23	---	---	35	---	---	42	105	103	106	82	67	73
24	---	---	36	---	---	42	101	96	101	76	66	72
25	---	---	36	---	---	42	101	93	97	76	64	70
26	---	---	37	---	---	43	94	86	90	77	63	70
27	---	---	38	---	---	43	83	77	80	78	63	70
28	---	---	37	---	---	43	78	75	76	77	48	61
29	---	---	---	---	---	43	77	75	76	55	48	52
30	---	---	---	---	---	43	74	70	72	56	48	52
31	---	---	---	---	---	43	---	---	---	56	46	51
MONTH	---	---	128	---	---	40	---	---	65	---	---	59

TABLE 1.--Continued

11290000 TUOLUMNE RIVER AT MODESTO, CA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C)

	JUNE 1986			JULY 1986			AUGUST 1986			SEPTEMBER 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	57	48	53	---	---	167	---	---	168	364	323	336
2	59	49	54	---	---	160	---	---	165	369	356	363
3	67	58	62	---	---	155	---	---	160	354	330	340
4	71	59	64	---	---	150	---	---	168	335	305	318
5	67	58	62	---	---	162	---	---	166	307	290	301
6	64	57	61	---	---	166	---	---	164	288	277	281
7	66	60	63	---	---	170	---	---	166	287	280	285
8	69	56	61	---	---	170	---	---	169	286	259	271
9	67	57	62	---	---	168	---	---	172	261	249	254
10	67	58	62	---	---	164	---	---	175	274	261	268
11	68	53	60	---	---	162	---	---	177	274	268	271
12	66	56	60	---	---	158	---	---	169	271	251	263
13	64	56	60	---	---	158	---	---	164	249	217	231
14	63	54	58	---	---	162	---	---	164	217	61	139
15	58	36	45	---	---	163	---	---	165	83	59	65
16	46	20	36	---	---	158	---	---	166	93	69	85
17	45	38	42	---	---	162	---	---	169	68	59	63
18	79	42	50	---	---	165	---	---	196	66	60	63
19	113	84	97	---	---	169	---	---	194	63	59	61
20	---	---	125	---	---	169	---	---	184	67	63	65
21	---	---	140	---	---	170	---	---	186	70	66	68
22	---	---	142	---	---	169	---	---	192	86	71	77
23	---	---	145	---	---	168	---	---	185	98	87	92
24	---	---	141	---	---	165	---	---	190	105	99	103
25	---	---	143	---	---	167	---	---	204	109	104	107
26	---	---	153	---	---	169	---	---	220	106	100	102
27	---	---	160	---	---	170	253	215	237	101	97	99
28	---	---	166	---	---	170	287	230	255	110	95	97
29	---	---	168	---	---	172	340	277	311	111	96	101
30	---	---	169	---	---	172	328	276	305	138	112	123
31	---	---	---	---	---	172	333	273	304	---	---	---
MONTH	---	---	92	---	---	165	---	---	194	369	59	176

	OCTOBER 1986			NOVEMBER 1986			DECEMBER 1986			JANUARY 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	143	123	134	---	---	165	57	53	54	---	---	35
2	122	107	113	---	---	160	52	44	48	---	---	60
3	139	109	121	---	---	155	44	38	41	---	---	55
4	143	140	141	---	---	140	45	38	42	---	---	55
5	142	130	139	---	---	140	101	46	64	---	---	65
6	169	141	148	---	---	130	250	112	181	---	---	48
7	207	171	197	---	---	125	330	257	288	---	---	45
8	214	187	201	---	---	120	353	230	311	---	---	45
9	182	142	159	---	---	115	222	93	142	---	---	43
10	162	139	155	---	---	110	91	60	70	---	---	60
11	169	155	159	---	---	105	60	47	52	---	---	62
12	166	147	154	---	---	100	48	39	43	---	---	68
13	163	144	149	---	---	95	40	34	36	---	---	78
14	190	154	169	---	---	90	43	35	38	---	---	80
15	194	172	176	---	---	72	71	43	60	---	---	80
16	187	156	174	---	---	76	73	47	63	---	---	82
17	153	138	145	---	---	76	46	37	41	---	---	83
18	153	134	141	---	---	77	39	33	37	---	---	85
19	146	130	135	---	---	76	35	29	32	---	---	75
20	133	130	132	79	77	78	35	30	33	---	---	85
21	137	133	134	78	74	75	36	36	36	---	---	90
22	---	---	132	74	71	73	---	---	60	---	---	92
23	---	---	132	72	70	71	---	---	40	94	---	67
24	---	---	134	71	68	69	---	---	38	58	51	55
25	---	---	138	70	66	67	---	---	36	61	52	56
26	---	---	140	67	63	65	---	---	60	137	62	106
27	---	---	155	65	62	63	---	---	40	141	77	104
28	---	---	160	63	61	62	---	---	37	77	56	67
29	---	---	165	61	59	60	---	---	60	56	54	55
30	---	---	170	59	55	57	---	---	40	57	53	55
31	---	---	175	---	---	---	---	---	36	68	54	61
MONTH	---	---	151	---	---	96	---	---	70	---	---	68

TABLE 1.--Continued

11290000 TUOLUMNE RIVER AT MODESTO, CA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C)

	FEBRUARY 1987			MARCH 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
1	146	71	109	198	191	195
2	277	147	197	210	194	200
3	348	90	238	300	212	245
4	253	120	192	376	305	345
5	---	---	200	316	164	244
6	---	---	210	297	159	192
7	---	---	220	---	---	75
8	---	---	210	---	---	80
9	---	---	190	---	---	90
10	---	---	175	---	---	110
11	---	---	175	---	---	120
12	165	134	152	---	---	125
13	282	135	192	---	---	135
14	303	118	198	---	---	135
15	183	118	137	---	---	125
16	---	---	175	---	---	120
17	---	---	200	---	---	135
18	---	---	210	---	---	150
19	---	---	220	---	---	155
20	---	---	218	---	---	160
21	218	209	214	---	---	155
22	212	209	211	---	---	155
23	214	206	211	---	---	150
24	211	204	208	---	---	150
25	213	207	211	---	---	140
26	207	201	204	---	---	140
27	206	201	204	138	130	134
28	204	193	198	140	133	137
29	---	---	---	142	136	138
30	---	---	---	141	133	137
31	---	---	---	137	134	135
MONTH	---	---	196	---	---	152

WATER TEMPERATURE (DEG. C)

	OCTOBER 1985			NOVEMBER 1985			DECEMBER 1985			JANUARY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	15.0	14.5	15.0	15.5	13.0	14.0
2	---	---	---	---	---	---	15.0	14.5	14.5	17.5	15.5	16.5
3	---	---	---	---	---	---	14.5	14.5	14.5	17.0	16.5	16.5
4	---	---	---	---	---	---	15.5	14.5	15.0	17.5	16.5	17.0
5	---	---	---	---	---	---	15.0	14.5	14.5	18.0	17.0	17.5
6	---	---	---	---	---	---	15.5	14.5	15.0	18.0	15.5	17.0
7	---	---	---	---	---	---	14.5	13.5	14.0	16.0	15.5	16.0
8	---	---	---	---	---	---	14.0	13.0	13.5	15.5	14.5	15.0
9	---	---	---	---	---	---	14.0	13.0	13.5	14.5	14.0	14.5
10	---	---	---	---	---	---	13.0	12.0	12.5	14.0	13.5	14.0
11	---	---	---	---	---	---	13.0	12.0	12.0	13.5	13.0	13.5
12	---	---	---	---	---	---	12.5	11.0	11.5	13.5	13.0	13.0
13	---	---	---	---	---	---	12.0	11.0	11.5	15.5	13.0	14.0
14	---	---	---	---	---	---	12.0	11.5	11.5	15.5	13.5	14.5
15	---	---	---	---	---	---	12.0	11.5	11.5	14.0	13.0	13.5
16	---	---	---	---	---	---	12.0	11.5	11.5	14.5	13.5	14.0
17	---	---	---	---	---	---	12.0	11.5	11.5	15.5	14.0	15.0
18	---	---	---	---	---	---	11.5	11.0	11.5	17.0	15.5	16.5
19	---	---	---	---	---	---	11.5	11.0	11.5	19.0	16.5	17.5
20	---	---	---	---	---	---	11.5	11.0	11.5	19.5	17.0	18.5
21	---	---	---	---	---	---	11.5	11.0	11.5	18.5	16.0	17.5
22	---	---	---	---	---	---	11.5	11.0	11.0	17.5	16.0	16.5
23	---	---	---	---	---	---	11.5	11.0	11.0	16.5	14.0	15.5
24	---	---	---	---	---	---	11.0	11.0	11.0	16.0	14.0	14.5
25	---	---	---	---	---	---	11.5	11.0	11.0	17.0	14.0	15.5
26	---	---	---	---	---	---	11.5	11.0	11.0	17.0	14.5	15.5
27	---	---	---	---	---	---	11.0	11.0	11.0	17.5	14.5	16.0
28	---	---	---	---	---	---	12.0	11.0	11.5	16.5	15.5	16.0
29	---	---	---	---	---	---	14.5	11.5	13.0	15.5	15.0	15.0
30	---	---	---	---	---	---	16.0	14.5	15.5	16.5	15.0	15.5
31	---	---	---	---	---	---	16.0	13.0	13.5	16.5	15.0	15.5
MONTH	---	---	---	---	---	---	16.0	11.0	12.5	19.5	13.0	15.5

TABLE 1.--Continued

11290000 TUOLUMNE RIVER AT MODESTO, CA--Continued

WATER TEMPERATURE (DEG. C)

	FEBRUARY 1986			MARCH 1986			APRIL 1986			MAY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	20.5	15.0	17.5	15.5	15.5	15.5	16.0	16.0	16.0	15.0	14.5	15.0
2	20.5	18.5	19.0	15.5	15.5	15.5	16.0	15.5	16.0	15.0	14.5	15.0
3	18.5	16.5	17.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.0	15.0
4	16.5	15.5	16.0	15.5	15.5	15.5	15.5	15.5	15.5	15.0	14.5	14.5
5	15.5	14.5	15.0	16.0	15.5	15.5	15.5	15.5	15.5	15.0	11.0	14.5
6	15.5	14.5	15.0	16.0	16.0	16.0	15.5	15.5	15.5	15.0	14.0	14.5
7	15.5	14.0	14.5	16.0	16.0	16.0	15.5	15.5	15.5	15.0	14.0	14.5
8	16.0	14.5	15.5	16.0	15.5	15.5	15.5	15.5	15.5	16.5	14.0	15.0
9	16.0	14.5	15.5	16.0	15.5	16.0	16.0	15.5	15.5	17.5	15.0	16.0
10	16.5	15.0	15.5	16.0	15.5	16.0	16.0	16.0	16.0	17.0	15.0	16.0
11	15.0	14.0	14.5	15.5	15.5	15.5	16.5	16.0	16.0	17.0	15.0	15.5
12	14.0	14.0	14.0	15.5	15.5	15.5	16.5	16.0	16.5	17.0	15.0	15.5
13	15.0	14.0	14.5	15.5	15.5	15.5	16.5	16.0	16.0	17.5	15.0	16.0
14	16.0	15.0	15.5	15.5	15.0	15.5	16.0	16.0	16.0	17.0	15.5	16.0
15	16.5	16.0	16.0	15.0	15.0	15.0	16.0	12.5	14.0	17.0	15.5	16.0
16	16.5	16.0	16.5	15.0	14.5	14.5	13.0	13.0	13.0	18.0	15.5	16.5
17	16.0	15.5	16.0	14.5	14.0	14.5	13.0	13.0	13.0	18.0	15.5	16.5
18	16.5	15.5	16.0	15.0	14.5	15.0	13.5	13.0	13.0	18.0	16.0	17.0
19	17.0	16.5	16.5	15.0	15.0	15.0	13.5	13.5	13.5	17.5	15.0	16.5
20	16.5	16.0	16.5	15.5	15.0	15.0	14.0	13.5	13.5	16.5	14.5	15.5
21	16.0	15.5	15.5	15.5	15.5	15.5	14.5	14.0	14.0	16.0	14.0	15.0
22	15.5	15.0	15.5	16.0	15.5	15.5	14.5	14.0	14.0	16.0	14.0	15.0
23	15.5	15.0	15.5	16.0	15.5	15.5	14.5	14.0	14.5	16.0	14.0	15.0
24	15.5	15.0	15.0	15.5	15.5	15.5	14.5	14.5	14.5	16.5	14.0	15.0
25	15.5	15.0	15.5	16.0	15.5	15.5	14.5	14.5	14.5	17.5	15.0	16.5
26	15.5	15.5	15.5	16.0	15.5	15.5	14.5	14.5	14.5	18.5	16.0	17.5
27	15.5	15.5	15.5	16.0	16.0	16.0	14.5	14.5	14.5	19.0	16.5	17.5
28	15.5	15.5	15.5	16.0	16.0	16.0	15.0	14.5	14.5	18.5	16.5	17.0
29	---	---	---	16.5	16.0	16.0	15.0	14.5	14.5	18.5	15.5	17.0
30	---	---	---	16.5	16.0	16.0	15.0	14.5	15.0	18.5	16.0	17.0
31	---	---	---	16.0	15.5	16.0	---	---	---	18.0	16.0	17.0
MONTH	20.5	14.0	15.5	16.5	14.0	15.5	16.5	12.5	15.0	19.0	11.0	16.0

	JUNE 1986			JULY 1986			AUGUST 1986			SEPTEMBER 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	18.0	16.0	17.0	29.0	23.5	26.0	30.0	26.0	27.5	29.0	23.5	26.0
2	18.0	16.0	17.0	29.0	25.5	27.0	30.0	26.5	28.0	29.0	24.0	26.0
3	18.5	16.0	17.0	28.0	25.5	26.5	29.0	26.5	28.0	28.0	24.0	26.0
4	18.5	16.0	17.0	26.5	24.0	25.0	30.0	26.0	28.0	28.0	25.0	26.0
5	18.0	16.0	17.0	26.0	22.0	24.0	31.0	26.0	28.0	28.0	25.0	26.5
6	18.0	15.5	16.5	27.0	22.0	24.0	29.0	25.5	27.0	28.0	24.5	26.0
7	18.0	15.5	17.0	26.5	21.5	24.0	29.5	25.5	27.0	26.5	24.0	25.0
8	18.5	16.0	17.0	27.5	21.5	24.5	29.5	25.0	27.0	25.5	23.0	24.0
9	18.5	16.0	17.5	28.5	23.0	25.0	29.0	25.0	27.0	24.5	21.0	22.5
10	19.0	16.5	17.5	29.0	24.0	26.0	29.5	25.5	27.5	23.5	20.5	22.0
11	18.5	16.5	17.5	29.5	25.0	27.0	30.5	25.5	27.5	23.0	20.5	21.5
12	19.0	16.5	17.5	29.5	25.5	27.5	30.5	25.5	27.5	21.5	19.5	20.5
13	19.0	16.5	18.0	30.0	26.0	27.5	29.5	26.0	27.5	19.5	18.0	19.0
14	19.5	17.0	18.0	28.5	24.0	26.5	29.5	26.0	27.5	18.5	17.0	18.0
15	19.0	17.0	18.0	29.0	24.5	26.0	28.0	26.0	27.0	19.5	17.0	18.5
16	19.0	---	17.0	27.0	24.0	25.5	27.5	25.0	26.0	19.0	17.5	18.5
17	16.5	---	16.0	27.0	23.0	25.0	27.5	24.5	26.0	17.0	15.5	16.0
18	17.0	14.5	16.0	26.5	21.5	24.0	28.0	24.5	26.5	16.0	14.5	15.0
19	18.5	15.0	16.5	26.5	21.5	24.0	28.5	25.5	27.0	16.0	14.5	15.0
20	21.0	15.5	17.5	29.0	22.0	25.5	27.5	26.5	26.5	16.5	14.5	15.5
21	22.0	18.0	20.0	29.5	24.5	27.0	28.0	25.5	26.5	17.0	15.0	16.0
22	25.0	20.5	22.5	28.0	24.5	26.0	28.5	25.5	27.0	18.5	16.0	17.0
23	26.0	22.5	24.0	28.5	25.0	26.5	28.5	25.5	26.5	18.5	17.0	18.0
24	26.0	23.0	24.5	27.5	25.0	26.0	29.0	26.0	27.0	18.0	17.0	17.5
25	26.0	23.0	25.0	28.0	23.5	25.5	28.5	26.0	27.0	16.5	16.0	16.5
26	26.0	23.0	24.5	28.0	23.5	25.5	29.0	24.0	27.0	16.5	15.0	16.0
27	26.5	22.5	24.0	28.0	23.5	25.5	29.0	25.0	26.5	17.0	16.0	16.0
28	26.5	22.5	24.0	27.5	23.0	25.0	28.0	25.0	26.0	16.5	15.0	16.0
29	27.0	22.0	24.0	28.5	22.5	25.5	28.0	24.5	25.5	17.5	15.0	16.0
30	27.5	22.5	25.0	29.5	23.0	26.5	28.0	24.0	25.5	17.5	16.0	16.5
31	---	---	---	30.5	25.0	27.5	28.5	23.0	25.5	---	---	---
MONTH	27.5	---	19.5	30.5	21.5	25.5	31.0	23.0	27.0	29.0	14.5	20.0

TABLE 1.--Continued

11290000 TUOLUMNE RIVER AT MODESTO, CA--Continued

WATER TEMPERATURE (DEG. C)

	OCTOBER 1986			NOVEMBER 1986			DECEMBER 1986			JANUARY 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	17.5	16.5	17.0	---	---	15.5	11.0	10.0	10.5	---	---	9.5
2	17.0	15.5	16.5	---	---	15.0	11.0	10.0	10.5	---	---	10.0
3	16.5	15.0	16.0	---	---	15.0	10.5	10.0	10.5	---	---	10.0
4	17.0	15.5	16.0	---	---	15.0	10.5	10.0	10.5	---	---	10.5
5	17.0	15.5	16.5	---	---	14.5	11.0	10.5	11.0	---	---	10.5
6	18.5	16.0	17.0	---	---	14.0	11.5	11.0	11.0	---	---	10.5
7	18.5	17.0	18.0	---	---	13.5	11.5	10.5	11.0	---	---	10.0
8	18.0	17.0	18.0	---	---	13.0	11.0	10.5	11.0	---	---	9.5
9	18.0	16.5	17.5	---	---	12.5	11.5	11.0	11.0	---	---	9.0
10	18.0	16.5	17.5	---	---	12.5	11.0	11.0	11.0	---	---	9.0
11	17.5	16.5	17.0	---	---	12.5	11.0	10.5	10.5	---	---	9.0
12	17.0	16.0	16.5	---	---	13.0	10.5	10.5	10.5	---	---	8.5
13	18.0	16.0	17.0	---	---	13.0	11.0	10.5	10.5	---	---	8.5
14	17.5	16.5	17.0	---	---	13.5	11.0	10.5	10.5	---	---	8.0
15	17.5	16.0	17.0	---	---	13.5	11.0	10.5	10.5	---	---	7.0
16	16.5	15.0	15.5	---	---	13.0	11.0	10.5	10.5	---	---	6.0
17	15.0	14.0	15.0	---	---	12.5	11.0	10.5	10.5	---	---	6.0
18	16.0	14.5	15.5	---	---	13.0	11.0	10.5	11.0	---	---	7.0
19	16.5	15.5	16.0	---	---	14.0	11.5	11.0	11.0	---	---	7.5
20	17.0	15.5	16.5	14.5	14.0	14.5	11.5	11.0	11.0	---	---	7.5
21	17.0	16.0	16.5	14.5	13.5	14.0	11.0	11.0	11.0	---	---	8.0
22	---	---	16.5	14.0	13.0	13.5	---	---	11.0	---	---	9.0
23	---	---	16.5	13.5	13.0	13.5	---	---	11.0	10.0	9.0	9.5
24	---	---	16.5	13.0	12.0	13.0	---	---	11.0	10.0	9.0	9.5
25	---	---	17.0	12.5	12.0	12.5	---	---	10.5	11.0	9.5	10.5
26	---	---	17.5	12.5	11.5	12.0	---	---	10.0	11.5	10.0	11.0
27	---	---	18.0	12.0	11.0	12.0	---	---	10.0	11.0	11.0	11.0
28	---	---	17.5	12.0	11.0	11.5	---	---	10.0	11.5	10.5	11.0
29	---	---	17.0	12.0	11.0	11.5	---	---	10.0	11.0	10.0	10.5
30	---	---	17.0	11.5	10.5	11.0	---	---	9.5	11.5	10.5	11.0
31	---	---	16.0	---	---	---	---	---	9.5	11.5	10.0	10.5
MONTH	---	---	16.5	---	---	13.5	---	---	10.5	---	---	9.0

	FEBRUARY 1987			MARCH 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
1	11.5	10.0	11.0	13.5	10.5	12.0
2	11.0	11.0	11.0	13.5	11.5	12.5
3	12.0	11.0	11.5	14.0	12.0	12.5
4	12.0	10.5	11.0	13.0	12.0	12.5
5	12.0	10.0	11.0	12.5	11.5	12.0
6	13.0	10.5	11.5	12.5	12.0	12.0
7	13.5	11.5	12.5	12.0	11.5	11.5
8	14.0	12.0	13.0	13.5	11.5	12.5
9	13.5	13.0	13.0	14.5	12.5	13.0
10	15.5	13.0	14.0	13.0	12.0	12.5
11	15.5	14.0	14.5	15.0	12.5	13.5
12	14.0	13.5	14.0	14.5	12.0	13.5
13	14.5	13.0	13.5	16.0	13.0	14.5
14	13.5	12.5	13.0	14.5	13.0	14.0
15	14.0	13.0	13.5	15.0	12.5	13.5
16	14.0	12.0	13.0	14.5	12.0	13.0
17	14.0	11.5	12.5	14.5	12.0	13.5
18	14.0	12.0	12.5	14.0	12.5	13.5
19	14.0	10.5	12.0	15.0	12.0	13.0
20	13.0	9.5	11.0	14.0	11.5	13.0
21	12.0	10.5	11.0	13.5	12.0	12.5
22	13.0	10.0	11.0	14.0	11.0	12.5
23	12.5	10.5	11.0	12.5	11.0	11.5
24	12.5	9.5	11.0	14.0	10.5	12.0
25	13.0	10.5	11.0	14.0	11.5	13.0
26	13.0	9.5	11.0	16.5	12.0	14.5
27	13.0	10.0	11.0	17.0	13.5	15.0
28	13.0	10.5	11.5	17.0	14.0	15.5
29	---	---	---	17.5	14.0	16.0
30	---	---	---	18.0	14.5	16.0
31	---	---	---	17.0	15.0	16.0
MONTH	15.5	9.5	12.0	18.0	10.5	13.5

TABLE 1.--Continued

11290500 SAN JOAQUIN RIVER AT MAZE ROAD BRIDGE, NEAR MODESTO, CA

LOCATION.--Lat 37°38'24", long 121°13'42", in NW 1/4 SW 1/4 sec. 29, T.3 S., R.7 E., Merced County, Hydrologic Unit 18040002, on north side of bridge on Maze Road, 11 mi west of Modesto, on State Highway 132.
DRAINAGE AREA.--12,400 mi^2, approximately.
PERIOD OF RECORD.--July 1985 to March 1987.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1985 to March 1987.
WATER TEMPERATURE: October 1985 to March 1987.
INSTRUMENTATION.--Minimonitor recorder since October 1985.
COOPERATION.--Water discharge provided by California Department of Water Resources.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 1,120 microsiemens, Jan. 22, 1986; minimum daily, 145 microsiemens, Mar. 14, 1986.
WATER TEMPERATURE: Maximum recorded, 28.5°C, July 12-13, 31, Aug. 1-4, 1986; minimum recorded, 7.0°C, Dec. 22-29, 1985.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L AS CACO3)	CALCIUM, DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
JUL 1985												
16...	1300	1000	936	8.1	27.0	757	6.4	210	80	47	23	110
31...	0900	1370	934	7.9	22.0	760	6.5	210	77	47	23	110
AUG												
13...	1100	1340	902	7.9	22.5	762	6.7	220	85	50	23	110
26...	1430	1280	808	7.9	25.0	763	6.7	190	72	42	20	91
SEP												
10...	1530	1390	901	7.7	20.5	759	6.4	190	52	43	20	96
25...	1030	1420	671	7.8	22.0	760	7.0	160	31	36	17	77
OCT												
09...	1215	1590	661	7.9	17.0	757	7.8	150	29	32	16	74
22...	1145	1820	580	7.7	15.5	765	8.2	130	28	28	14	65
NOV												
05...	1100	1390	813	7.8	16.0	765	7.8	180	46	38	20	100
18...	0830	1320	901	7.8	11.0	769	8.8	200	60	42	22	110
DEC												
03...	1130	2040	743	7.8	12.5	765	8.0	150	35	34	17	85
17...	1045	1400	1050	7.9	8.0	771	9.8	230	73	47	27	140
JAN 1986												
07...	1015	1370	1000	7.8	12.5	770	7.8	220	81	47	26	130
22...	1045	1400	1120	7.8	12.0	765	8.0	250	93	52	28	140
FEB												
04...	1030	1880	1010	7.8	12.0	767	8.4	230	100	49	27	130
19...	1100	13800	283	7.7	13.5	758	7.8	72	6	15	8.5	28
MAR												
03...	1330	13000	284	7.5	14.5	768	8.4	71	19	16	7.5	35
17...	1345	31100	185	7.6	14.0	762	8.5	51	6	12	5.2	17
APR												
01...	0945	24300	210	7.6	17.5	762	11.4	47	8	11	4.7	19
14...	1445	21100	176	7.6	15.0	759	9.5	43	7	10	4.3	18
MAY												
05...	1430	8880	287	7.7	16.0	761	8.6	65	17	15	6.6	28
19...	1315	6480	352	7.8	19.0	760	8.0	85	28	19	9.0	40
JUN												
02...	1330	5740	312	7.8	24.5	760	8.4	--	--	--	--	--
16...	1230	5810	298	7.8	20.0	760	8.1	74	20	17	7.7	32
JUL												
14...	1445	1930	813	7.9	27.0	760	8.0	190	61	41	21	94
AUG												
25...	1430	2130	742	8.0	24.0	760	7.4	190	63	43	19	93
SEP												
23...	1400	2600	430	7.9	19.5	760	8.3	110	20	24	12	47
OCT												
21...	1330	2820	330	7.7	16.0	760	8.7	80	16	18	8.6	35
NOV												
21...	0800	2010	612	7.9	14.0	770	9.5	140	47	30	15	71
DEC												
16...	1345	2190	639	7.8	10.5	760	9.8	150	55	33	17	80
JAN 1987												
22...	1515	1770	849	7.9	8.0	765	10.9	190	80	41	22	110
FEB												
19...	1530	1890	1130	7.9	12.5	765	8.8	240	96	51	27	140
MAR												
25...	1445	2340	1190	8.0	15.0	760	8.7	280	140	62	31	160

TABLE 1.--Continued

11290500 SAN JOAQUIN RIVER AT MAZE ROAD BRIDGE, NEAR MODESTO, CA--Continued

WATER QUALITY DATA

DATE	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, CARBONATE IT-FLD (MG/L AS CACO3)	SULFATE, DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3, DISSOLVED (MG/L AS N)
JUL 1985												
16...	52	3	4.2	132	120	130	0.2	21	551	0.75	1490	1.8
31...	52	3	4.6	135	120	140	0.2	21	547	0.74	2020	2.5
AUG												
13...	52	3	4.0	135	120	130	0.2	20	532	0.72	1920	2.2
26...	51	3	4.1	115	95	110	0.2	21	462	0.63	1600	2.1
SEP												
10...	52	3	4.2	138	100	110	0.2	22	491	0.67	1840	2.2
25...	50	3	3.7	129	60	85	0.1	21	390	0.53	1500	1.8
OCT												
09...	52	3	2.8	117	64	96	0.1	20	381	0.52	1640	1.9
22...	52	3	3.3	100	58	79	0.1	18	337	0.46	1660	1.9
NOV												
05...	54	3	3.6	131	94	130	0.1	20	466	0.63	1750	2.0
18...	55	4	3.0	136	110	140	0.1	22	518	0.70	1850	2.3
DEC												
03...	53	3	7.2	120	84	94	0.1	17	395	0.54	2180	1.9
17...	57	4	4.2	156	150	180	0.2	21	654	0.89	2470	2.3
JAN 1986												
07...	55	4	4.9	143	150	140	0.1	19	618	0.84	2290	2.4
22...	55	4	4.4	152	190	160	0.2	20	691	0.94	2610	2.7
FEB												
04...	54	4	5.0	133	180	150	0.2	17	650	0.88	3300	2.9
19...	44	1	4.5	66	27	22	<0.1	15	167	0.23	6220	0.61
MAR												
03...	51	2	2.5	52	44	29	<0.1	12	173	0.24	6070	0.47
17...	40	1	2.5	45	18	14	<0.1	13	122	0.17	10200	0.31
APR												
01...	46	1	1.8	39	18	18	<0.1	10	120	0.16	7870	0.20
14...	47	1	1.6	36	18	16	<0.1	10	107	0.15	6100	0.25
MAY												
05...	48	2	1.8	48	37	29	<0.1	13	159	0.22	3810	0.63
19...	50	2	1.9	57	54	42	0.1	13	202	0.27	3530	0.76
JUN												
02...	--	--	1.7	52	43	33	<0.1	--	188	--	--	0.74
16...	48	2	1.8	54	42	32	<0.1	12	182	0.25	2860	0.75
JUL												
14...	51	3	3.5	128	120	110	0.2	18	487	0.66	2540	2.0
AUG												
25...	52	3	3.2	123	100	99	0.2	18	472	0.64	2710	2.1
SEP												
23...	48	2	2.3	89	50	52	0.1	16	280	0.38	1970	1.4
OCT												
21...	48	2	1.9	64	34	37	0.2	14	253	0.34	1920	1.0
NOV												
21...	53	3	2.2	90	85	83	0.1	15	375	0.51	2040	1.3
DEC												
16...	53	3	1.9	97	63	91	0.2	17	401	0.55	2370	1.5
JAN 1987												
22...	55	4	2.7	113	140	110	0.2	16	507	0.69	2420	0.19
FEB												
19...	55	4	5.4	143	230	150	0.2	16	679	0.92	3460	3.2
MAR												
25...	55	4	4.7	144	230	180	0.2	18	764	1.0	4830	3.2

TABLE 1.--Continued

11290500 SAN JOAQUIN RIVER AT MAZE ROAD BRIDGE, NEAR MODESTO, CA--Continued

WATER QUALITY DATA

DATE	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	NITROGEN, AMMONIA + ORGANIC, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP., SIEVE DIAM. % FINER THAN 0.062 MM	CHLOR-A PHYTOPLANKTON, CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON, CHROMO FLUOROM (UG/L)	CARBON, ORGANIC, TOTAL (MG/L AS C)
JUL 1985												
16...	0.21	0.27	1.1	0.45	0.20	0.16	222	599	96	17	<0.10	--
31...	0.32	0.41	1.6	0.40	0.30	0.24	177	655	96	8.9	<0.10	--
AUG												
13...	0.13	0.17	1.7	0.32	0.17	0.15	255	923	87	20	<0.10	--
26...	0.15	0.19	2.2	0.38	0.21	0.18	124	429	97	9.4	<0.10	--
SEP												
10...	0.18	0.23	1.3	0.35	0.24	0.20	110	413	91	6.5	<0.10	--
25...	0.15	0.19	1.2	0.37	0.21	0.18	103	395	96	34	<0.10	--
OCT												
09...	0.14	0.18	1.0	0.30	0.18	0.18	81	348	87	6.5	0.40	--
22...	0.28	0.36	1.3	0.31	0.18	0.15	59	290	88	4.9	1.1	--
NOV												
05...	0.42	0.54	1.4	0.37	0.25	0.22	54	203	92	3.5	0.90	--
18...	0.54	0.70	1.3	0.33	0.21	0.20	36	128	92	2.9	0.80	--
DEC												
03...	1.3	1.7	2.5	0.63	0.41	0.39	79	435	92	9.5	1.8	--
17...	0.59	0.76	1.6	0.40	0.29	0.26	--	--	--	4.3	0.30	5.7
JAN 1986												
07...	0.83	1.1	1.7	0.51	0.37	0.33	43	159	90	2.9	0.50	--
22...	0.70	0.90	1.8	0.49	0.38	0.34	45	170	89	3.5	0.70	6.0
FEB												
04...	0.58	0.75	1.9	0.56	0.37	0.35	157	797	93	7.6	1.2	14
19...	0.41	0.53	1.9	0.42	0.29	0.25	543	20200	83	4.9	0.90	23
MAR												
03...	0.14	0.18	0.70	0.23	0.13	0.12	91	3190	72	4.4	0.70	6.6
17...	0.14	0.18	1.0	0.23	0.14	0.12	56	4700	96	8.6	1.2	7.3
APR												
01...	0.04	0.05	0.60	0.14	0.07	0.06	50	3280	80	13	1.1	4.5
14...	0.05	0.06	0.40	0.12	0.05	0.05	67	3820	63	6	0.60	4.5
MAY												
05...	0.11	0.14	0.70	0.18	0.08	0.08	102	2450	64	6.4	0.80	5.5
19...	0.07	0.09	0.50	0.21	0.09	0.08	94	1640	77	6.2	1.0	4.4
JUN												
02...	0.04	0.05	0.50	0.15	0.07	0.07	83	1290	87	11	1.1	4.9
16...	0.03	0.04	0.40	0.21	0.08	0.07	107	1680	88	4.6	0.60	4.5
JUL												
14...	0.06	0.08	1.2	0.31	0.15	0.15	--	--	--	42	3.9	7.7
AUG												
25...	0.10	0.13	1.3	0.27	0.17	0.14	113	650	87	31	2.5	7.1
SEP												
23...	0.05	0.06	1.0	0.19	0.09	0.08	82	576	90	3.5	1.1	5.9
OCT												
21...	0.02	0.03	2.6	0.12	0.07	0.06	71	540	80	2.1	0.20	3.4
NOV												
21...	0.04	0.05	0.80	0.14	0.07	0.07	58	315	53	3.2	0.30	2.7
DEC												
16...	0.08	0.10	0.60	0.10	0.07	0.06	40	237	78	0.80	<0.10	4.2
JAN 1987												
22...	0.47	0.61	1.5	0.33	0.21	0.19	33	158	75	3.5	0.40	5.9
FEB												
19...	0.49	0.63	1.8	0.52	0.45	0.38	133	679	96	4.2	0.60	7.2
MAR												
25...	0.60	0.77	1.7	0.57	0.39	0.35	68	430	90	4.6	0.70	7.6

TABLE 1.--Continued

11290500 SAN JOAQUIN RIVER AT MAZE ROAD BRIDGE, NEAR MODESTO, CA--Continued

WATER QUALITY DATA

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC, TOTAL (UG/L AS AS)	ARSENIC, DISSOLVED (UG/L AS AS)	BORON, TOTAL RECOVERABLE (UG/L AS B)	BORON, DISSOLVED (UG/L AS B)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)
JUL 1985											
16...	6100	--	4	3	320	320	23	14	3	8400	9
31...	4300	--	6	5	310	330	28	14	1	5700	18
AUG											
13...	4900	20	4	3	490	440	12	8	2	6300	16
26...	3100	20	4	3	480	430	12	11	2	4200	16
SEP											
10...	2400	20	4	3	430	430	13	4	2	3800	11
25...	2100	10	4	3	220	210	11	7	2	3200	20
OCT											
09...	1100	30	3	2	230	210	7	11	2	2100	24
22...	1200	10	3	2	200	210	15	5	1	1900	28
NOV											
05...	1100	10	3	2	370	360	10	5	<1	1800	14
18...	760	<10	3	2	400	380	10	4	2	1400	17
DEC											
03...	1200	<10	3	2	420	380	14	14	3	2100	43
17...	4100	<10	3	2	660	610	20	6	<1	6400	3
JAN 1986											
07...	940	<10	3	2	540	520	8	5	1	1700	19
22...	910	<10	3	2	750	760	16	6	<1	1700	<3
FEB											
04...	3400	<10	4	2	820	790	17	7	<1	5700	26
19...	11000	270	4	1	130	160	24	25	3	18000	290
MAR											
03...	1800	80	2	2	230	210	11	7	<1	2600	71
17...	1500	170	2	2	110	90	12	13	1	2300	140
APR											
01...	1200	70	2	--	120	120	9	5	2	1800	81
14...	--	50	2	1	120	120	9	12	1	2000	62
MAY											
05...	1400	40	2	2	130	150	9	5	2	2600	50
19...	1700	10	2	2	210	190	10	9	1	2800	36
JUN											
02...	1700	10	2	1	170	140	13	9	4	2700	<3
16...	1600	20	2	1	170	180	16	7	1	2900	24
JUL											
14...	5800	10	4	3	460	470	30	16	2	10000	8
AUG											
25...	2200	<10	3	3	510	490	8	12	4	3700	20
SEP											
23...	1500	<10	3	2	170	180	5	3	1	2600	18
OCT											
21...	1600	20	2	1	110	130	4	10	3	2100	38
NOV											
21...	580	10	2	1	310	310	1	11	1	1000	13
DEC											
16...	920	<10	2	1	380	340	<1	7	<1	1600	47
JAN 1987											
22...	820	30	2	2	560	540	<1	8	2	1400	48
FEB											
19...	2100	<10	3	3	940	--	6	15	3	3500	40
MAR											
25...	1200	<10	3	2	970	970	6	7	1	1800	10

TABLE 1.--Continued

11290500 SAN JOAQUIN RIVER AT MAZE ROAD BRIDGE, NEAR MODESTO, CA--Continued

WATER QUALITY DATA

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
JUL 1985											
16...	2	320	13	4	4	18	2	2	--	40	7
31...	2	270	59	3	5	19	1	2	2	120	8
AUG											
13...	4	290	28	<1	2	15	4	2	2	30	8
26...	3	200	30	4	3	13	2	2	2	20	5
SEP											
10...	19	200	43	3	1	10	3	2	2	20	16
25...	5	180	27	4	2	16	5	<1	<1	30	8
OCT											
09...	7	140	25	1	2	6	2	<1	<1	10	7
22...	2	130	33	6	1	19	2	<1	<1	30	7
NOV											
05...	<1	150	49	1	4	19	10	1	1	<10	4
18...	<1	120	63	1	1	4	1	1	--	20	10
DEC											
03...	<1	190	53	2	1	6	3	1	1	20	6
17...	1	490	93	4	4	12	2	2	2	40	8
JAN 1986											
07...	3	190	120	5	3	10	1	2	1	20	4
22...	<1	180	93	3	3	5	1	2	2	10	7
FEB											
04...	4	290	57	4	6	20	1	3	3	40	7
19...	6	500	40	<1	2	49	<1	<1	<1	80	13
MAR											
03...	3	140	52	1	2	2	1	<1	<1	20	<3
17...	16	80	18	<1	1	7	<2	1	1	20	<3
APR											
01...	2	70	20	2	2	11	2	<1	<1	20	<3
14...	10	70	23	1	5	12	1	<1	<1	<10	<3
MAY											
05...	3	140	38	<1	1	8	1	1	1	20	5
19...	2	150	28	5	<5	--	<1	1	1	20	6
JUN											
02...	<1	140	<1	<1	1	8	7	<1	<1	30	<3
16...	<5	150	11	1	<1	7	3	<1	<1	20	16
JUL											
14...	<5	490	10	2	3	27	4	1	1	40	10
AUG											
25...	<5	200	20	3	9	28	1	1	1	30	<10
SEP											
23...	<5	130	11	2	1	8	1	<1	<1	<10	6
OCT											
21...	5	110	12	10	3	6	1	<1	<1	250	<3
NOV											
21...	12	100	44	9	8	4	3	1	1	<10	11
DEC											
16...	<5	110	67	8	5	2	<1	2	2	10	3
JAN 1987											
22...	<5	110	76	8	7	7	2	2	2	10	13
FEB											
19...	<5	200	50	5	3	10	2	5	4	10	<10
MAR											
25...	<5	130	40	3	6	7	2	5	5	20	11

TABLE 1.--Continued

11290500 SAN JOAQUIN RIVER AT MAZE ROAD BRIDGE, NEAR MODESTO, CA--Continued

WATER QUALITY DATA

DATE	TIME	DI-CHLORO-BROMO-METHANE, TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE, TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE, TOTAL (UG/L)	BROMO-FORM, TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE, TOTAL (UG/L)	CHLORO-FORM, TOTAL (UG/L)	TOLUENE, TOTAL (UG/L)	BENZENE, TOTAL (UG/L)	CHLORO-BENZENE, TOTAL (UG/L)	CHLORO-ETHANE, TOTAL (UG/L)
SEP 1985 25...	1030	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

DATE	ETHYL-BENZENE, TOTAL (UG/L)	METHYL-BROMIDE, TOTAL (UG/L)	METHYL-ENE CHLO-RIDE, TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE, TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE, TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE, TOTAL (UG/L)	1,1-DI-CHLORO-ETHYL-ENE, TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE, TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE, TOTAL (UG/L)	1,1,2,2 TETRA-CHLORO-ETHANE, TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE, TOTAL (UG/L)
SEP 1985 25...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

DATE	1,2-TRANSDI CHLORO-ETHYL-ENE, TOTAL (UG/L)	1,3-DI-CHLORO-PROPANE, TOTAL (UG/L)	2-CHLORO-ETHYL-VINYL-ETHER, TOTAL (UG/L)	DI-CHLORO-DI-FLUORO-METHANE, TOTAL (UG/L)	PRO-PAZINE, TOTAL (UG/L)	METHO-MYL, TOTAL (UG/L)	PROPHAM, TOTAL (UG/L)	SIME-TRYNE, TOTAL (UG/L)	SIMA-ZINE, TOTAL (UG/L)	PROME-TONE, TOTAL (UG/L)
SEP 1985 25...	<3.0	<3.0	<3.0	<3.0	<0.10	<2.0	<2.0	<0.1	<0.10	<0.1

DATE	PROME-TRYNE, TOTAL (UG/L)	VINYL CHLO-RIDE, TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	ATRA-ZINE, TOTAL (UG/L)	PICLO-RAM (TOR-DON) (AMDON), TOTAL (UG/L)
SEP 1985 25...	<0.1	<3.0	<3.0	<0.01	<0.01	<0.01	0.01	<0.01	<0.10	<0.01

DATE	2,4-D, TOTAL (UG/L)	2,4,5-T, TOTAL (UG/L)	SEVIN, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	CYAN-AZINE, TOTAL (UG/L)	DICAMBA (MED-IBEN) (BAN-VEL D), TOTAL (UG/L)	2,4-DP, TOTAL (UG/L)	AME-TRYNE, TOTAL (UG/L)
SEP 1985 25...	<0.01	<0.01	<2.0	<0.01	<0.01	<0.01	<0.10	<0.01	<0.01	<0.10

TABLE 1.--Continued

11290500 SAN JOAQUIN RIVER AT MAZE ROAD BRIDGE, NEAR MODESTO, CA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C)

	OCTOBER 1985			NOVEMBER 1985			DECEMBER 1985			JANUARY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	662	650	656	829	801	814	747	680	717	905	812	840
2	662	637	649	825	810	817	758	718	745	975	847	888
3	648	418	530	836	820	826	721	701	709	1050	984	1000
4	466	400	424	851	838	842	770	705	732	1010	917	940
5	559	471	507	841	811	831	807	766	792	916	900	910
6	612	561	582	824	803	810	761	703	728	998	892	928
7	621	595	606	855	825	840	702	688	694	1000	962	980
8	646	600	619	856	843	850	692	680	686	948	841	869
9	682	651	662	881	843	865	708	693	700	849	778	801
10	731	669	694	---	852	875	784	703	740	847	815	835
11	731	652	685	---	843	880	827	786	812	843	827	833
12	716	672	690	996	799	900	912	818	863	849	816	829
13	718	679	695	917	791	854	---	---	915	952	850	881
14	687	623	642	---	---	855	---	---	935	1020	959	990
15	621	596	607	---	---	853	---	---	980	1000	900	940
16	650	588	622	---	---	855	---	---	1020	893	811	854
17	668	534	615	---	---	860	---	---	1050	868	419	799
18	561	528	544	---	---	880	---	---	1050	981	873	932
19	629	558	590	---	---	875	---	---	1030	973	931	947
20	669	619	635	---	---	870	---	---	1010	1020	964	995
21	671	577	625	---	---	866	---	---	1000	---	---	1040
22	589	559	570	913	819	868	---	---	990	1120	945	1030
23	614	591	606	812	758	770	1020	959	985	997	925	965
24	654	596	621	765	748	755	---	---	980	1000	972	985
25	711	659	694	752	711	724	1010	941	975	999	937	968
26	710	676	688	739	710	728	1020	957	990	977	952	962
27	680	626	653	770	735	752	---	---	965	980	947	966
28	679	635	655	799	757	785	1020	867	940	1020	945	980
29	719	679	694	761	714	743	844	762	795	936	850	874
30	747	722	737	749	687	722	869	740	790	854	839	845
31	806	750	784	---	---	---	989	876	960	845	797	827
MONTH	806	400	632	---	---	826	---	---	880	---	---	917

	FEBRUARY 1986			MARCH 1986			APRIL 1986			MAY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	808	740	773	---	---	270	176	171	173	299	260	286
2	850	815	839	---	---	275	172	166	170	298	288	292
3	866	827	846	269	265	267	174	168	171	292	281	287
4	964	804	876	266	255	260	175	169	172	280	256	260
5	780	681	713	255	247	250	178	173	175	293	262	278
6	738	699	714	247	238	242	178	170	174	304	293	300
7	679	622	645	239	237	238	172	165	167	295	299	301
8	---	---	657	237	229	232	176	167	171	311	299	302
9	---	---	670	235	198	220	177	174	176	315	302	311
10	---	---	675	212	196	205	175	169	172	303	287	295
11	---	---	685	216	208	212	169	167	168	298	283	288
12	---	---	670	211	180	195	168	160	165	292	279	284
13	---	---	660	177	154	163	165	161	163	277	263	270
14	---	---	630	155	145	149	178	173	176	274	266	270
15	---	---	610	155	146	149	177	173	175	288	274	283
16	---	---	580	174	153	162	179	176	178	301	285	293
17	---	---	570	185	174	180	181	176	180	330	302	317
18	---	---	475	184	172	178	182	179	180	348	330	339
19	---	---	385	177	167	173	189	184	187	353	341	348
20	---	---	360	179	168	175	196	190	192	373	350	363
21	---	---	280	185	174	179	205	198	202	398	374	385
22	---	---	270	189	180	184	220	205	213	398	385	390
23	---	---	250	189	183	186	228	220	224	409	388	395
24	---	---	240	189	184	187	237	231	234	407	400	403
25	---	---	250	190	185	187	236	231	234	408	398	403
26	---	---	255	188	182	185	243	235	239	413	388	401
27	---	---	260	188	183	185	264	242	254	401	389	395
28	---	---	265	190	184	187	269	264	266	393	373	382
29	---	---	---	187	179	182	275	245	270	377	328	351
30	---	---	---	180	175	178	269	256	262	332	325	328
31	---	---	---	178	175	176	---	---	---	332	325	332
MONTH	---	---	539	---	---	200	275	160	196	413	256	327

TABLE 1.--Continued

11290500 SAN JOAQUIN RIVER AT MAZE ROAD BRIDGE, NEAR MODESTO, CA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C)

	JUNE 1986			JULY 1986			AUGUST 1986			SEPTEMBER 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	323	308	316	---	---	650	762	733	745	703	676	689
2	313	306	309	---	---	670	743	717	735	694	676	682
3	318	312	314	---	---	675	731	689	709	693	649	670
4	330	315	320	---	---	670	775	715	738	667	632	649
5	324	317	320	---	---	700	774	725	740	671	638	651
6	322	308	313	---	---	760	736	709	725	666	636	645
7	316	303	308	---	---	750	744	725	735	655	633	645
8	320	308	316	---	---	740	755	726	741	633	573	593
9	310	296	304	---	---	750	759	728	747	656	586	624
10	309	295	301	---	---	770	771	727	754	646	585	605
11	308	300	303	---	---	800	812	700	716	666	556	573
12	306	284	295	845	756	840	750	719	740	568	520	531
13	295	284	289	842	770	822	750	696	717	523	474	492
14	293	284	288	854	788	817	720	684	697	474	450	461
15	315	293	306	872	833	850	747	724	738	454	422	436
16	316	310	313	843	801	819	759	---	740	491	422	466
17	---	---	325	878	835	854	---	---	745	417	356	392
18	---	---	345	898	874	887	---	---	760	373	346	358
19	---	---	375	899	856	870	---	---	770	358	330	347
20	---	---	390	875	836	856	---	---	750	371	323	347
21	---	---	510	842	798	817	---	---	730	385	351	368
22	---	---	570	837	795	811	---	---	725	408	371	390
23	---	---	590	844	824	832	---	---	755	433	408	420
24	---	---	600	826	799	817	---	---	745	418	401	410
25	---	---	610	805	776	788	751	741	746	403	371	385
26	---	---	620	794	769	783	774	751	759	368	348	355
27	---	---	600	775	752	762	781	708	756	353	339	346
28	---	---	610	768	748	757	748	715	727	365	349	356
29	---	---	630	780	767	775	769	740	752	438	362	393
30	---	---	630	793	758	778	756	731	748	453	431	441
31	---	---	---	768	759	763	741	699	721	---	---	---
MONTH	---	---	411	---	---	782	---	---	739	703	323	491

	OCTOBER 1986			NOVEMBER 1986			DECEMBER 1986			JANUARY 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	458	411	421	437	423	430	620	601	611	---	---	340
2	508	392	412	481	438	461	603	504	557	---	---	440
3	392	382	387	503	480	493	498	472	480	---	---	650
4	407	380	392	503	497	500	485	470	480	---	---	600
5	399	382	389	508	499	504	505	458	481	---	---	660
6	450	380	404	506	498	502	569	503	534	---	---	720
7	465	427	444	519	502	510	622	570	593	---	---	550
8	430	385	406	524	518	520	690	620	654	---	---	500
9	426	407	417	529	519	523	705	360	572	---	---	500
10	464	399	411	539	529	534	413	334	373	---	---	550
11	402	395	399	539	517	528	422	325	370	---	---	650
12	409	386	397	519	511	515	413	323	364	---	---	750
13	424	400	409	524	513	519	403	315	358	---	---	780
14	484	425	450	520	513	518	416	319	375	---	---	760
15	517	426	446	604	517	556	618	360	490	---	---	750
16	491	322	363	616	603	611	---	---	530	---	---	730
17	329	315	320	616	599	606	---	---	380	---	---	750
18	363	313	324	615	605	610	---	---	370	---	---	800
19	313	302	308	625	607	615	---	---	360	---	---	850
20	333	300	312	630	610	617	---	---	360	---	---	900
21	399	330	342	617	610	613	---	---	380	---	---	850
22	360	342	353	616	598	610	---	---	490	841	816	829
23	361	351	357	621	598	609	---	---	560	809	745	773
24	379	356	364	619	606	613	---	---	370	810	744	782
25	385	373	379	625	614	619	---	---	370	855	768	803
26	401	378	387	631	615	626	---	---	480	917	835	871
27	400	370	379	629	616	624	---	---	540	941	862	908
28	374	362	367	623	609	617	---	---	400	845	723	797
29	392	377	382	630	611	623	---	---	480	756	682	723
30	411	386	399	632	607	621	---	---	550	831	749	788
31	429	404	424	---	---	---	---	---	380	785	746	763
MONTH	517	300	385	632	423	562	---	---	461	---	---	713

TABLE 1.--Continued

11290500 SAN JOAQUIN RIVER AT MAZE ROAD BRIDGE, NEAR MODESTO, CA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C)

	FEBRUARY 1987			MARCH 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
1	900	773	819	---	---	1240
2	---	---	973	---	---	1230
3	995	911	978	---	---	1220
4	900	830	854	---	---	1210
5	891	831	853	---	---	1100
6	940	898	928	---	---	900
7	998	---	980	677	448	530
8	---	---	1010	702	601	654
9	---	---	1020	655	608	625
10	---	---	1040	784	660	723
11	---	---	1050	924	788	856
12	---	---	1030	---	---	980
13	---	---	1010	---	---	1050
14	---	---	980	---	---	1150
15	---	---	960	---	---	1300
16	---	---	980	---	---	1300
17	---	---	920	---	---	1250
18	---	---	1000	---	---	1260
19	---	---	1050	---	---	1240
20	---	---	1070	---	---	1220
21	---	---	1130	---	---	1210
22	---	---	1150	---	---	1210
23	---	---	1170	---	---	1210
24	---	---	1200	---	---	1200
25	---	---	1180	---	---	1190
26	---	---	1180	---	---	1190
27	---	---	1220	---	---	1170
28	---	---	1230	---	---	1150
29	---	---	---	---	---	1150
30	---	---	---	---	---	1150
31	---	---	---	---	---	1170
MONTH	---	---	1030	---	---	1100

WATER TEMPERATURE (DEG. C)

	OCTOBER 1985			NOVEMBER 1985			DECEMBER 1985			JANUARY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	20.5	19.0	20.0	15.5	14.5	15.0	11.5	11.5	11.5	11.5	10.5	11.0
2	21.0	19.0	20.0	15.5	14.5	15.0	12.0	11.0	11.5	11.5	11.0	11.5
3	21.5	19.5	20.5	15.5	14.5	15.0	12.5	12.0	12.0	12.0	11.5	12.0
4	21.5	20.0	21.0	16.0	15.0	15.5	12.5	12.0	12.0	13.0	12.0	12.5
5	22.0	20.5	21.0	15.5	15.0	15.5	13.0	12.0	12.5	13.5	12.5	13.0
6	22.0	20.5	21.5	15.0	14.0	14.5	12.5	12.0	12.0	13.5	13.0	13.0
7	21.5	20.5	21.0	15.0	14.0	14.5	12.0	11.5	12.0	14.0	12.0	13.0
8	20.0	19.0	19.5	14.5	14.0	14.5	11.5	11.0	11.5	13.0	13.0	13.0
9	18.5	16.5	17.5	14.0	13.0	13.5	11.0	10.5	10.5	12.5	12.5	12.5
10	17.0	15.5	16.0	13.5	12.0	13.0	10.0	9.0	9.5	12.5	12.0	12.0
11	17.0	15.5	16.5	12.0	11.0	11.5	9.0	8.0	8.5	11.5	11.5	11.5
12	17.5	16.0	16.5	11.0	10.0	10.5	8.5	7.5	8.0	11.5	11.0	11.5
13	16.5	15.5	16.5	10.0	10.0	10.0	8.0	7.0	7.5	11.0	11.0	11.0
14	16.5	15.0	16.0	---	---	10.0	8.0	7.5	7.5	11.0	11.0	11.0
15	17.0	15.0	16.0	---	---	10.0	7.5	7.5	7.5	12.0	11.0	11.5
16	17.0	15.5	16.0	---	---	10.5	8.0	7.5	7.5	13.0	12.0	12.5
17	17.0	15.5	16.5	---	---	11.0	8.0	7.5	7.5	14.0	12.5	13.5
18	17.0	16.0	16.5	---	---	11.0	8.0	7.5	7.5	14.5	14.0	14.0
19	16.5	15.5	16.0	---	---	10.0	7.5	7.5	7.5	15.5	14.5	15.0
20	16.0	15.5	16.0	---	---	10.0	7.5	7.5	7.5	15.0	14.5	14.5
21	16.0	15.5	15.5	---	---	10.0	7.5	7.5	7.5	14.5	13.5	14.0
22	16.0	15.0	15.5	10.5	10.5	10.5	7.5	7.0	7.0	13.5	13.0	13.0
23	16.5	15.5	16.0	10.5	10.0	10.5	7.5	7.0	7.0	13.5	13.0	13.0
24	17.0	15.5	16.5	11.0	10.5	11.0	7.5	7.0	7.0	13.0	12.5	13.0
25	17.5	16.0	16.5	11.5	11.0	11.5	7.5	7.0	7.0	13.0	12.0	12.5
26	17.5	16.0	17.0	12.0	11.0	11.5	7.5	7.0	7.0	13.5	12.5	13.0
27	17.5	16.5	17.0	12.5	11.5	12.0	7.0	7.0	7.0	13.0	12.5	13.0
28	17.5	16.0	17.0	12.5	12.0	12.0	7.0	7.0	7.0	13.0	12.5	13.0
29	16.5	16.0	16.5	12.5	12.0	12.0	8.0	7.0	7.5	13.0	12.5	13.0
30	16.0	15.5	16.0	12.0	11.5	12.0	9.0	8.0	8.5	14.5	13.0	13.5
31	15.5	14.5	15.0	---	---	---	10.5	9.0	9.5	14.0	14.0	14.0
MONTH	22.0	14.5	17.5	---	---	12.0	13.0	7.0	9.0	15.5	10.5	12.5

TABLE 1.--Continued

11290500 SAN JOAQUIN RIVER AT MAZE ROAD BRIDGE, NEAR MODESTO, CA--Continued

WATER TEMPERATURE (DEG. C)

	FEBRUARY 1986			MARCH 1986			APRIL 1986			MAY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	14.5	13.5	14.0	---	---	16.0	18.5	17.5	18.0	18.5	18.0	18.0
2	15.0	14.0	14.5	---	---	16.0	17.5	16.0	16.5	18.5	17.5	18.0
3	14.5	14.0	14.0	16.5	16.0	16.5	16.5	15.5	16.0	18.5	18.0	18.0
4	14.0	13.0	13.5	17.0	16.0	16.5	16.5	15.0	16.0	18.0	17.5	17.5
5	13.5	13.0	13.0	17.5	16.5	16.5	16.0	15.5	16.0	17.5	17.0	17.5
6	13.0	12.0	12.5	17.5	16.5	17.0	16.5	15.5	16.0	17.0	16.0	16.5
7	12.5	11.5	12.0	17.5	16.5	16.5	16.0	15.5	16.0	16.5	15.5	16.0
8	12.0	12.0	12.0	16.5	16.0	16.5	16.5	15.0	16.0	17.0	16.0	16.5
9	---	---	11.5	16.0	15.5	15.5	17.0	16.0	16.5	18.0	16.5	17.0
10	---	---	11.5	15.0	14.5	14.5	18.0	16.5	17.0	18.0	17.5	18.0
11	---	---	11.0	14.5	13.5	14.0	18.5	17.0	18.0	18.0	17.5	17.5
12	---	---	11.5	14.5	14.0	14.5	18.0	17.5	18.0	18.5	17.5	18.0
13	---	---	12.5	14.5	14.0	14.0	17.5	16.5	17.0	19.0	17.5	18.5
14	---	---	13.5	14.5	13.5	14.0	17.0	16.0	16.5	18.5	18.0	18.5
15	---	---	13.5	14.0	13.0	13.5	16.5	16.0	16.0	19.0	18.0	18.5
16	---	---	14.0	13.0	13.0	13.0	16.0	15.5	15.5	19.5	18.0	19.0
17	---	---	14.0	13.0	12.5	13.0	16.5	15.0	16.0	20.0	19.0	19.5
18	---	---	14.0	13.5	12.5	13.0	16.5	15.0	16.0	20.5	19.5	20.0
19	---	---	14.0	14.5	13.0	13.5	17.5	16.0	17.0	20.5	20.0	20.0
20	---	---	14.0	15.5	14.0	14.5	19.0	17.0	18.0	20.0	19.5	20.0
21	---	---	14.0	16.5	15.0	15.5	20.0	18.5	19.5	19.5	18.5	19.0
22	---	---	14.0	17.0	16.0	16.5	20.5	19.5	20.0	18.5	18.0	18.5
23	---	---	14.0	17.0	16.5	17.0	20.5	19.5	20.0	18.5	18.0	18.5
24	---	---	14.5	17.0	16.5	16.5	20.0	19.0	19.5	19.0	17.5	18.5
25	---	---	15.0	17.0	16.0	16.5	19.0	18.0	18.5	20.5	18.5	19.5
26	---	---	15.5	17.0	16.0	16.5	18.5	17.5	18.0	21.5	20.0	20.5
27	---	---	15.5	17.5	16.5	17.0	18.5	17.0	17.5	22.0	20.5	21.5
28	---	---	15.5	18.5	17.0	17.5	19.0	17.5	18.5	22.0	21.0	21.5
29	---	---	---	18.5	17.5	18.0	18.5	18.0	18.5	22.0	21.0	21.5
30	---	---	---	18.5	18.0	18.5	18.5	18.0	18.0	22.0	21.5	22.0
31	---	---	---	18.5	17.5	18.0	---	---	---	22.0	21.5	22.0
MONTH	---	---	13.5	18.5	12.5	15.5	20.5	15.0	17.5	22.0	15.5	19.0

	JUNE 1986			JULY 1986			AUGUST 1986			SEPTEMBER 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	22.0	21.5	21.5	---	---	24.0	28.5	26.5	27.5	25.5	23.5	24.5
2	22.0	21.0	21.5	---	---	25.0	28.5	26.5	27.5	26.0	24.0	25.0
3	22.0	21.0	21.5	---	---	25.0	28.5	27.0	28.0	25.5	24.5	25.0
4	22.0	21.0	21.5	---	---	24.5	28.5	27.0	28.0	26.0	24.5	25.0
5	21.5	21.0	21.5	---	---	24.5	28.0	26.5	27.5	26.0	24.5	25.5
6	21.5	20.5	21.0	---	---	23.5	27.5	26.0	27.0	26.0	24.5	25.5
7	21.5	20.5	21.0	---	---	23.5	27.0	25.5	26.5	25.5	24.0	25.0
8	21.5	20.5	21.0	---	---	24.0	27.0	25.0	26.0	24.5	23.5	24.0
9	22.0	20.5	21.5	---	---	24.0	27.0	25.5	26.5	23.5	22.5	23.5
10	22.5	21.5	22.0	---	---	24.5	27.5	25.5	26.5	23.0	21.5	22.5
11	22.5	22.0	22.5	---	---	25.5	27.5	25.0	26.5	23.0	21.5	22.0
12	23.0	22.0	22.5	---	---	26.0	27.5	25.0	26.5	22.5	21.5	22.0
13	23.5	22.5	23.0	---	---	26.5	27.5	26.0	26.5	21.5	20.5	21.0
14	23.0	22.5	23.0	---	---	26.5	26.5	25.5	26.0	20.5	19.5	20.0
15	23.0	22.0	22.5	27.0	25.5	26.5	26.0	25.0	25.5	20.5	19.0	20.0
16	22.0	21.0	21.5	26.5	25.0	25.5	25.5	24.0	25.0	21.0	19.5	20.0
17	---	---	21.5	25.5	24.5	25.0	---	---	25.0	20.0	19.0	20.0
18	---	---	21.0	25.5	24.0	25.0	---	---	25.0	18.5	17.5	18.0
19	---	---	21.5	26.5	24.0	25.5	---	---	25.0	18.0	17.5	18.0
20	---	---	21.0	27.5	25.5	26.5	---	---	24.5	18.5	17.5	18.0
21	---	---	22.0	27.0	26.0	26.5	---	---	24.5	19.0	17.5	18.0
22	---	---	23.5	27.0	25.5	26.5	---	---	24.0	19.5	18.0	18.5
23	---	---	24.5	26.5	25.5	26.0	---	---	24.0	20.0	19.0	19.5
24	---	---	25.0	26.5	25.0	26.0	---	---	24.5	20.0	19.0	19.5
25	---	---	25.0	26.5	25.0	25.5	25.0	24.0	25.0	19.0	18.0	18.5
26	---	---	24.5	26.0	24.5	25.5	25.5	23.5	24.5	18.5	17.5	18.0
27	---	---	24.0	26.0	24.5	25.5	25.5	24.0	24.5	18.5	17.5	18.0
28	---	---	24.0	26.0	24.5	25.5	25.5	24.0	24.5	18.0	17.5	17.5
29	---	---	23.0	27.0	24.5	26.0	24.5	23.5	24.0	18.5	17.0	17.5
30	---	---	24.0	28.0	25.5	27.0	24.5	23.0	24.0	19.0	17.5	18.0
31	---	---	---	28.5	26.5	27.5	25.0	23.0	24.0	---	---	---
MONTH	---	---	22.5	---	---	25.5	---	---	25.5	26.0	17.0	21.0

TABLE 1.--Continued

11290500 SAN JOAQUIN RIVER AT MAZE ROAD BRIDGE, NEAR MODESTO, CA--Continued

WATER TEMPERATURE (DEG. C)

	OCTOBER 1986			NOVEMBER 1986			DECEMBER 1986			JANUARY 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	18.5	18.0	18.5	15.5	14.5	15.0	11.0	10.5	11.0	---	---	7.5
2	18.0	16.5	17.0	15.5	14.5	15.0	11.0	10.0	10.5	---	---	7.5
3	17.5	16.5	17.0	15.0	14.0	15.0	11.0	10.0	10.5	---	---	7.5
4	18.0	16.5	17.5	15.0	14.0	14.5	10.5	10.5	10.5	---	---	7.5
5	18.5	17.0	18.0	15.0	14.0	14.5	11.5	10.5	11.0	---	---	8.0
6	19.0	17.5	18.5	14.5	13.5	14.0	12.0	11.0	11.5	---	---	8.0
7	20.0	18.5	19.0	13.5	12.5	13.0	11.5	11.0	11.5	---	---	8.0
8	20.0	18.5	19.5	13.0	12.5	13.0	11.5	10.5	11.0	---	---	8.5
9	20.0	18.5	19.0	13.0	12.0	12.5	11.5	10.5	11.0	---	---	8.0
10	19.5	18.5	18.5	13.0	12.0	12.5	11.5	11.0	11.0	---	---	8.0
11	19.0	18.0	18.5	13.0	12.0	12.5	11.0	11.0	11.0	---	---	8.0
12	18.5	17.5	18.0	13.0	12.0	12.5	11.0	10.5	11.0	---	---	8.0
13	18.5	17.0	18.0	13.0	12.0	12.5	11.0	10.5	10.5	---	---	7.5
14	18.5	17.5	18.0	13.5	12.5	13.0	11.0	11.0	11.0	---	---	7.5
15	18.5	17.5	18.0	13.5	12.5	13.0	11.0	10.5	11.0	---	---	8.0
16	18.0	16.5	17.0	13.0	12.5	12.5	11.0	10.0	10.5	---	---	7.5
17	16.5	16.0	16.0	12.5	12.0	12.5	---	---	10.5	---	---	8.0
18	16.5	15.5	16.0	13.0	12.5	12.5	---	---	10.5	---	---	8.0
19	17.0	15.5	16.0	14.0	13.0	13.5	---	---	10.5	---	---	8.0
20	17.0	16.0	16.5	14.0	13.0	13.5	---	---	10.0	---	---	8.0
21	17.0	16.0	16.5	14.5	13.5	14.0	---	---	10.0	---	---	8.0
22	17.5	16.0	17.0	14.0	13.5	13.5	---	---	10.0	8.0	8.0	8.0
23	17.0	16.5	16.5	14.0	13.0	13.5	---	---	9.5	9.5	8.0	9.0
24	17.5	16.5	17.0	13.5	12.5	13.0	---	---	9.5	10.0	9.0	9.5
25	18.0	16.5	17.0	13.0	12.0	12.5	---	---	9.5	11.0	9.5	10.0
26	18.0	17.0	17.5	12.5	11.5	12.0	---	---	9.0	11.0	10.5	10.5
27	18.0	17.0	17.5	12.5	11.5	12.0	---	---	9.0	11.0	10.5	11.0
28	18.0	17.0	17.5	12.0	11.5	11.5	---	---	8.5	11.5	11.0	11.0
29	17.0	16.5	17.0	12.0	11.0	11.5	---	---	8.5	12.0	11.0	11.5
30	17.0	16.5	16.5	11.5	11.0	11.0	---	---	8.5	12.0	11.0	11.5
31	16.5	15.5	16.0	---	---	---	---	---	8.0	12.0	10.5	11.5
MONTH	20.0	15.5	17.5	15.5	11.0	13.0	---	---	10.0	---	---	9.0

	FEBRUARY 1987			MARCH 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
1	12.0	11.0	11.5	14.0	12.5	13.0
2	11.5	11.5	11.5	15.0	13.5	14.0
3	12.0	11.5	11.5	15.0	14.0	14.5
4	12.5	11.0	12.0	15.0	14.0	14.5
5	12.5	11.5	12.0	14.0	14.0	14.0
6	13.0	11.5	12.5	15.0	13.5	14.0
7	13.5	12.0	13.0	14.0	13.5	14.0
8	14.0	13.0	13.5	14.5	14.0	14.0
9	14.5	13.5	14.0	15.5	14.0	14.5
10	15.5	14.0	14.5	15.0	14.5	14.5
11	16.0	15.0	15.5	16.0	14.5	15.5
12	15.5	14.5	15.0	16.5	15.5	16.0
13	15.0	14.0	14.5	17.0	16.0	16.5
14	14.0	13.5	14.0	16.5	15.0	16.0
15	14.5	13.5	14.0	15.5	14.0	14.5
16	14.0	13.0	13.5	15.0	14.0	14.5
17	13.5	13.0	13.0	15.5	14.0	15.0
18	13.0	12.0	13.0	15.5	14.5	15.0
19	12.5	11.5	12.0	14.5	13.5	14.0
20	12.5	11.0	12.0	14.5	13.5	14.0
21	12.0	11.5	12.0	14.5	14.0	14.0
22	12.5	11.0	12.0	15.0	13.5	14.0
23	12.5	11.5	12.0	14.5	13.5	14.0
24	12.5	11.0	11.5	14.5	12.5	13.5
25	12.5	11.5	12.0	15.0	13.5	14.5
26	12.5	11.0	12.0	16.0	14.0	15.0
27	13.0	11.0	12.0	16.0	14.5	15.5
28	13.5	12.0	12.5	16.0	14.0	15.0
29	---	---	---	17.0	14.5	15.5
30	---	---	---	18.0	15.5	17.0
31	---	---	---	18.0	17.0	17.5
MONTH	16.0	11.0	13.0	18.0	12.5	15.0

TABLE 1.--Continued

11303000 STANISLAUS RIVER AT RIPON, CA

LOCATION.--Lat 37°43'47", long 121°06'34", in NW 1/4 SE 1/4 sec.29, T.2 S., R.8 E., Stanislaus County, Hydrologic Unit 18040002, on left bank 15 ft downstream from railroad bridge, 1.1 mi southeast of Ripon, and 15 mi upstream from mouth.
DRAINAGE AREA.--1,075 mi^2.
PERIOD OF RECORD.--July 1985 to March 1987.
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1985 to March 1987.
WATER TEMPERATURE: October 1985 to March 1987.
INSTRUMENTATION.-- Minimonitor recorder since October 1985.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 202 microsiemens, Jan. 25, 1986; minimum daily, 44 microsiemens, June 3, 1986
WATER TEMPERATURE: Maximum recorded, 21.5°C, July 13, 14, 1986; minimum recorded, 6.0°C, Jan. 16, 17, 1987.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L AS CACO3)	CALCIUM, DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
JUL 1985												
15...	1030	1450	105	7.8	16.0	757	9.4	29	0	7.6	2.5	2.8
29...	1330	1390	81	7.5	17.0	758	9.3	30	0	7.8	2.5	2.8
AUG												
12...	0930	1350	84	7.7	15.5	759	9.4	31	0	8.0	2.6	2.9
SEP												
09...	1030	504	147	7.6	17.0	762	8.4	53	0	13	4.9	5.2
23...	0900	433	140	7.6	18.0	759	8.6	53	1	13	5.1	5.9
OCT												
08...	0930	420	143	7.7	16.5	755	8.3	51	0	12	5.0	6.0
21...	0945	375	135	7.6	14.0	755	9.3	54	0	13	5.3	5.8
NOV												
04...	0930	564	99	7.5	15.0	760	9.8	37	0	8.8	3.6	4.6
22...	1130	338	129	7.7	9.0	775	11.0	54	0	13	5.3	6.0
DEC												
02...	0930	493	115	7.4	16.0	755	8.5	46	0	11	4.5	5.1
16...	1000	312	146	7.6	8.0	770	11.0	59	13	14	5.9	6.8
JAN 1986												
06...	0915	361	184	7.1	12.5	771	9.0	70	4	16	7.2	8.3
21...	0930	600	119	7.2	11.0	766	10.2	45	0	10	4.8	5.4
FEB												
03...	0915	880	124	7.6	11.5	764	9.6	53	0	12	5.7	6.1
19...	0745	3870	116	7.5	12.0	757	9.6	39	0	8.3	4.4	4.1
MAR												
03...	0915	2780	72	7.6	11.5	768	10.7	34	0	7.0	4.1	3.0
17...	0930	6570	69	7.7	10.0	762	10.2	29	0	6.4	3.2	2.6
31...	1045	3880	53	7.5	12.0	759	10.4	26	0	6.1	2.6	2.4
APR												
14...	0915	1940	62	7.5	11.5	760	10.6	27	0	6.5	2.7	2.7
MAY												
05...	0945	1420	63	7.6	13.0	762	10.1	28	0	6.7	2.7	2.9
19...	0945	1260	60	7.7	14.5	759	9.7	28	0	6.9	2.6	2.9
JUN												
02...	0945	1230	62	7.7	16.0	760	9.4	27	0	6.7	2.5	2.8
16...	1445	1160	61	7.5	17.0	760	9.4	28	0	7.0	2.5	3.0
JUL												
14...	0930	712	96	7.7	19.5	760	8.9	40	0	9.9	3.8	4.5
AUG												
25...	1045	1430	58	7.5	15.5	760	9.7	30	0	7.0	3.0	3.0
SEP												
23...	0930	1200	65	7.6	14.0	760	10.2	26	0	7.0	2.0	3.0
OCT												
21...	0915	611	103	7.6	13.5	760	9.6	46	0	11	4.4	4.9
NOV												
20...	1530	570	104	7.5	13.0	760	10.3	45	0	11	4.2	4.9
DEC												
17...	0945	837	91	7.3	9.5	760	10.5	37	0	9.1	3.4	4.2
JAN 1987												
23...	0945	521	100	7.4	8.5	765	12.0	42	0	10	4.1	4.9
FEB												
20...	0930	870	82	7.6	10.0	770	10.8	35	0	8.7	3.2	3.9
MAR												
26...	0915	1260	88	7.7	12.0	770	9.9	36	0	8.3	3.6	3.7

TABLE 1.--Continued

11303000 STANISLAUS RIVER AT RIPON, CA--Continued

WATER QUALITY DATA

DATE	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, CARBONATE IT-FLD (MG/L AS CACO3)	SULFATE, DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3, DISSOLVED (MG/L AS N)
JUL 1985												
15...	17	0.2	1.1	32	3.1	1.3	<0.1	13	54	0.07	211	0.13
29...	16	0.2	1.1	34	2.8	2.3	<0.1	12	59	0.08	221	<0.10
AUG												
12...	16	0.2	1.2	33	3.3	2.2	<0.1	12	53	0.07	193	0.18
SEP												
09...	17	0.3	1.6	54	6.2	4.1	<0.1	17	79	0.11	108	0.60
23...	19	0.4	1.8	52	7.0	3.5	<0.1	17	79	0.11	92	0.64
OCT												
08...	20	0.4	2.5	59	6.7	9.2	<0.1	16	91	0.12	103	0.70
21...	18	0.4	1.7	54	7.9	3.2	<0.1	16	88	0.12	89	0.75
NOV												
04...	21	0.3	1.1	40	6.7	8.0	<0.1	12	57	0.08	87	0.42
22...	16	0.4	10	59	7.5	3.8	<0.1	16	84	0.11	77	0.75
DEC												
02...	18	0.3	3.4	48	7.6	3.5	<0.1	15	68	0.09	91	0.81
16...	19	0.4	1.7	--	8.3	4.8	<0.1	16	83	0.11	70	0.91
JAN 1986												
06...	19	0.4	4.9	66	11	7.9	<0.1	18	106	0.14	103	1.2
21...	20	0.4	1.7	47	10	4.7	<0.1	14	74	0.10	120	0.51
FEB												
03...	18	0.4	6.7	59	6.3	9.4	<0.1	14	95	0.13	226	0.55
19...	17	0.3	3.4	46	6.0	3.8	<0.1	12	77	0.10	805	0.27
MAR												
03...	15	0.2	1.1	36	5.5	1.8	<0.1	13	51	0.07	383	0.22
17...	15	0.2	2.2	34	6.0	1.7	<0.1	12	48	0.06	851	0.17
31...	16	0.2	1.5	28	4.4	1.4	<0.1	11	47	0.06	492	0.10
APR												
14...	17	0.2	1.1	35	4.1	1.3	<0.1	12	42	0.06	220	0.17
MAY												
05...	18	0.2	1.4	32	5.0	1.8	<0.1	12	52	0.07	199	0.20
19...	18	0.2	1.1	31	4.0	1.3	<0.1	13	48	0.06	163	0.19
JUN												
02...	18	0.2	1.2	30	3.9	1.8	<0.1	12	57	0.08	189	0.19
16...	18	0.3	1.2	30	3.6	1.2	<0.1	13	43	0.06	135	0.21
JUL												
14...	19	0.3	1.4	44	6.5	6.5	<0.1	15	69	0.09	133	0.46
AUG												
25...	17	0.2	1.0	31	3.5	1.2	<0.1	12	64	0.09	247	0.11
SEP												
23...	19	0.3	1.3	41	4.1	1.5	<0.1	12	59	0.08	191	0.20
OCT												
21...	18	0.3	1.4	48	5.9	12	<0.1	15	93	0.13	153	0.57
NOV												
20...	19	0.3	1.3	48	6.8	2.5	<0.1	15	80	0.11	123	0.59
DEC												
17...	19	0.3	1.0	38	5.7	2.5	<0.1	18	60	0.08	136	0.31
JAN 1987												
23...	20	0.3	1.2	44	6.7	3.0	<0.1	13	71	0.10	100	0.48
FEB												
20...	19	0.3	1.3	38	2.5	2.5	<0.1	12	58	0.08	136	0.26
MAR												
26...	18	0.3	1.4	39	5.1	2.2	<0.1	12	59	0.08	201	0.20

TABLE 1.--Continued

11303000 STANISLAUS RIVER AT RIPON, CA--Continued

WATER QUALITY DATA

DATE	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	NITROGEN, AMMONIA + ORGANIC, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP., SIEVE DIAM. % FINER THAN 0.062 MM	CHLOR-A PHYTOPLANKTON, CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON, CHROMO FLUOROM (UG/L)	CARBON, ORGANIC, TOTAL (MG/L AS C)
JUL 1985												
15...	0.09	0.12	0.50	0.03	0.03	0.03	23	90	71	1.2	<0.10	--
29...	0.04	0.05	0.40	0.03	0.01	0.02	20	75	--	3.2	<0.10	--
AUG												
12...	0.07	0.09	0.30	0.07	0.04	0.03	22	80	--	1.2	<0.10	--
SEP												
09...	0.05	0.06	0.40	0.05	0.04	0.04	22	30	82	1.4	<0.10	--
23...	0.07	0.09	0.30	0.05	0.05	0.05	20	23	80	1.4	<0.10	--
OCT												
08...	0.39	0.50	0.90	0.14	0.11	0.11	18	20	80	0.90	0.10	--
21...	0.03	0.04	0.60	0.06	0.04	0.04	12	12	77	0.30	<0.10	--
NOV												
04...	0.03	0.04	0.30	0.04	0.02	0.02	13	20	88	0.70	<0.10	--
22...	0.01	0.01	0.20	0.04	0.02	0.03	6	5.5	60	0.20	<0.10	--
DEC												
02...	0.20	0.26	0.60	0.14	0.10	0.12	10	13	83	1.1	0.20	--
16...	0.03	0.04	0.30	0.05	0.04	0.05	12	10	68	0.80	0.10	1.4
JAN 1986												
06...	0.54	0.70	1.3	0.32	0.26	0.24	20	19	77	2.2	0.20	4.7
21...	0.05	0.06	0.60	0.09	0.06	0.06	15	24	64	0.30	<0.10	3.0
FEB												
03...	1.4	1.8	2.5	0.93	0.83	0.77	35	83	63	5.6	1.3	17
19...	0.35	0.45	1.0	0.32	0.23	0.20	--	--	--	2.4	0.30	9.6
MAR												
03...	0.03	0.04	0.40	0.10	0.05	0.04	44	330	66	0.60	<0.10	3.8
17...	0.17	0.22	0.90	0.19	0.13	0.11	26	461	85	1.3	0.20	5.2
31...	0.09	0.12	0.40	0.09	0.05	0.05	28	293	73	3.1	0.30	2.4
APR												
14...	0.03	0.04	<0.20	0.06	0.02	0.02	31	162	68	1.6	<0.10	2.8
MAY												
05...	0.06	0.08	0.40	0.09	0.05	0.04	33	127	65	2.9	<0.10	4.6
19...	0.02	0.03	0.30	0.06	0.03	0.02	29	99	74	<0.10	<0.10	2.3
JUN												
02...	0.03	0.04	0.30	0.07	0.03	0.03	38	126	63	1.4	0.10	2.7
16...	<0.01	--	0.30	0.07	0.03	0.03	21	66	82	0.60	<0.10	2.7
JUL												
14...	0.02	0.03	0.30	0.06	0.04	0.03	21	40	68	1.1	0.20	2.9
AUG												
25...	0.01	0.01	0.50	0.08	0.03	0.03	40	154	66	0.20	<0.10	2.7
SEP												
23...	0.02	0.03	0.40	0.06	0.03	0.03	15	49	70	0.50	0.10	2.9
OCT												
21...	<0.01	--	0.40	0.08	0.04	0.02	19	31	69	0.50	<0.20	2.4
NOV												
20...	<0.01	--	<0.20	0.03	0.02	0.02	16	25	56	1.3	<0.10	1.4
DEC												
17...	<0.01	--	<0.20	0.03	<0.01	0.02	20	45	40	1.7	0.20	2.8
JAN 1987												
23...	0.06	0.08	0.20	0.04	0.03	0.02	--	--	--	1.4	<0.10	2.6
FEB												
20...	0.05	0.06	0.60	0.07	0.06	0.06	22	52	42	1.6	<0.10	2.0
MAR												
26...	0.07	0.09	0.40	0.06	0.06	0.04	55	187	44	0.80	0.10	2.4

TABLE 1.--Continued

11303000 STANISLAUS RIVER AT RIPON, CA--Continued

WATER QUALITY DATA

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC, TOTAL (UG/L AS AS)	ARSENIC, DISSOLVED (UG/L AS AS)	BORON, TOTAL RECOVERABLE (UG/L AS B)	BORON, DISSOLVED (UG/L AS B)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)
JUL 1985											
15...	--	--	<1	<1	10	10	--	5	2	--	--
29...	380	<10	<1	<1	<10	<10	12	4	<1	570	40
AUG											
12...	390	20	<1	<1	30	<10	13	4	1	570	<3
SEP											
09...	300	10	<1	<1	30	10	16	5	1	720	71
23...	310	<10	3	3	50	20	8	6	<1	940	90
OCT											
08...	290	30	1	<1	40	20	6	5	2	450	70
21...	250	10	<1	<1	<10	10	11	2	<1	430	67
NOV											
04...	320	30	<1	<1	40	10	6	3	<1	460	56
22...	90	<10	<1	<1	50	20	7	4	2	220	55
DEC											
02...	210	30	<1	<1	80	--	10	7	2	350	75
16...	210	<10	<1	<1	70	20	4	2	<1	410	56
JAN 1986											
06...	260	100	1	<1	40	30	20	6	4	630	290
21...	210	<10	<1	<1	<10	30	15	3	1	440	23
FEB											
03...	520	20	1	1	40	30	6	5	2	900	81
19...	1200	60	<1	<1	20	20	13	5	1	2000	74
MAR											
03...	1200	60	<1	<1	30	20	11	8	3	1500	52
17...	780	160	<1	<1	30	20	36	7	2	970	88
31...	790	30	<1	<1	10	--	10	4	1	930	25
APR											
14...	930	140	<1	<1	20	<10	7	6	<1	1200	61
MAY											
05...	720	80	<1	<1	20	20	10	4	2	970	44
19...	480	30	<1	<1	20	<10	5	7	1	700	47
JUN											
02...	710	40	<1	<1	60	<10	13	7	4	1000	37
16...	350	30	<1	<1	20	10	8	4	1	600	35
JUL											
14...	550	30	<1	<1	20	10	9	5	3	670	67
AUG											
25...	480	<10	<1	<1	60	<10	3	5	3	920	30
SEP											
23...	310	<10	<1	<1	30	10	1	5	1	530	40
OCT											
21...	290	<10	<1	<1	<10	10	6	10	1	550	47
NOV											
20...	290	<10	<1	<1	90	20	<1	8	1	460	43
DEC											
17...	240	<10	<1	<1	20	20	<1	5	<1	460	24
JAN 1987											
23...	360	10	<1	<1	60	20	<1	5	1	490	25
FEB											
20...	350	<10	<1	<1	20	30	3	8	1	560	23
MAR											
26...	860	30	<1	<1	30	10	2	7	<1	920	26

TABLE 1.--Continued

11303000 STANISLAUS RIVER AT RIPON, CA--Continued

WATER QUALITY DATA

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
JUL 1985											
15...	2	20	5	<1	1	6	1	<1	<1	20	21
29...	3	40	6	<1	<1	6	<1	<1	<1	60	10
AUG											
12...	6	40	5	<1	1	5	<1	<1	<1	80	8
SEP											
09...	--	50	11	1	<1	7	1	<1	<1	20	12
23...	<1	60	8	1	<1	4	<1	<1	<1	<10	10
OCT											
08...	3	40	8	1	<1	<1	2	<1	<1	20	16
21...	2	40	14	4	1	9	1	<1	<1	<10	<3
NOV											
04...	2	40	8	1	2	19	<1	<1	<1	<10	<3
22...	--	30	14	<1	1	3	1	<1	<1	<10	11
DEC											
02...	--	30	13	1	<1	1	<1	<1	<1	10	9
16...	3	30	23	2	1	4	1	<1	<1	<10	<3
JAN 1986											
06...	2	70	46	2	1	11	1	<1	<1	10	11
21...	<1	50	4	2	<1	2	<1	<1	<1	<10	<3
FEB											
03...	1	100	11	2	2	2	1	<1	<1	30	25
19...	4	100	13	<1	4	4	<1	<1	<1	20	8
MAR											
03...	2	80	6	1	<2	10	4	<1	<1	10	<3
17...	3	50	7	<1	<1	7	<1	1	1	10	<3
31...	4	40	8	<1	1	4	1	<1	<1	<10	<3
APR											
14...	4	60	15	<1	3	4	<1	<1	<1	10	6
MAY											
05...	36	60	7	<1	<1	8	2	<1	1	20	6
19...	4	50	7	<1	<5	--	<1	<1	<1	10	7
JUN											
02...	1	50	7	<1	1	9	3	<1	<1	<10	6
16...	<5	40	8	<1	<1	5	6	<1	<1	<10	17
JUL											
14...	<5	60	16	1	<1	4	18	<1	<1	20	11
AUG											
25...	<5	40	<10	1	3	4	1	<1	<1	20	<10
SEP											
23...	<5	40	<10	<1	<1	1	1	<1	<1	20	<10
OCT											
21...	<5	50	12	30	<1	3	1	<1	<1	100	<3
NOV											
20...	<5	40	14	8	2	<1	2	<1	<1	<10	8
DEC											
17...	<5	40	7	5	3	<1	<1	<1	<1	<10	4
JAN 1987											
23...	<5	30	10	6	3	6	<1	<1	<1	<10	<3
FEB											
20...	6	40	7	1	<1	4	2	<1	<1	<10	4
MAR											
26...	<5	50	5	<1	1	5	1	<1	<1	20	<3

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	LINDANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT 1985												
08...	0930	143	7.7	16.5	755	8.3	<1.0	<0.1	<0.1	2.0	1.3	2.4

DATE	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE, TOT. IN BOTTOM MATL. (UG/KG)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT 1985											
08...	1.1	0.1	<0.1	<0.1	<10	<0.1	<0.1	<0.1	4	<0.1	<1.0

TABLE 1.--Continued

11303000 STANISLAUS RIVER AT RIPON, CA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C)

	OCTOBER 1985			NOVEMBER 1985			DECEMBER 1985			JANUARY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	126	117	120	96	90	91	122	115	117	131	122	126
2	130	114	119	94	89	90	118	112	115	161	122	133
3	134	125	128	93	89	90	129	116	123	179	159	167
4	132	123	126	92	69	81	129	120	125	185	166	176
5	133	124	128	91	71	80	143	126	133	181	168	174
6	140	128	132	108	89	97	144	127	135	194	173	180
7	139	124	132	136	107	122	142	130	136	178	171	172
8	147	129	134	142	129	134	137	128	131	179	170	173
9	139	118	124	146	137	140	154	129	139	187	170	178
10	133	122	127	144	134	138	139	128	133	178	165	169
11	130	118	123	138	129	132	156	137	147	176	164	167
12	133	115	121	137	129	131	160	149	152	177	167	169
13	127	116	121	138	129	131	159	147	151	179	168	170
14	133	118	124	149	128	135	156	146	149	176	166	169
15	132	112	122	152	130	140	156	145	147	200	162	181
16	129	119	123	136	128	130	155	145	147	167	117	143
17	123	111	117	140	128	131	159	144	147	116	109	112
18	133	121	127	140	129	133	160	149	151	130	114	124
19	143	117	133	136	126	129	160	149	153	128	117	122
20	142	129	135	136	126	128	162	152	154	121	116	117
21	146	128	135	134	125	128	158	129	147	121	116	117
22	137	119	130	151	125	130	126	108	113	125	115	118
23	143	134	138	149	98	107	114	109	111	124	116	119
24	145	137	139	107	100	102	124	110	117	161	117	137
25	147	137	141	108	99	102	125	112	117	202	162	178
26	148	126	141	124	104	116	118	112	114	191	110	139
27	121	93	100	113	106	108	118	113	114	110	103	106
28	101	87	94	115	108	110	120	114	116	107	101	103
29	94	89	91	120	107	111	122	116	117	105	90	99
30	102	91	94	143	108	127	125	116	119	94	89	92
31	99	92	95	---	---	---	148	126	136	97	87	90
MONTH	148	87	123	152	69	117	162	108	132	202	87	143

	FEBRUARY 1986			MARCH 1986			APRIL 1986			MAY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	111	91	98	79	78	79	89	81	83	88	84	87
2	102	97	100	79	76	77	89	80	85	88	85	87
3	124	93	104	77	75	76	80	77	79	89	86	87
4	110	92	102	75	74	75	80	78	79	90	87	89
5	109	101	105	77	73	74	79	77	78	94	89	92
6	113	105	108	109	74	91	80	77	79	94	92	93
7	107	99	104	118	86	100	83	76	79	92	90	91
8	114	99	107	114	101	105	82	79	81	92	88	90
9	114	109	110	101	94	97	82	78	80	91	87	89
10	117	109	111	101	92	94	80	77	79	92	87	90
11	120	108	111	118	103	114	80	77	79	88	86	87
12	117	111	114	111	107	109	80	77	78	93	88	90
13	112	104	109	107	105	106	80	76	78	92	89	90
14	109	94	99	109	105	106	80	78	79	91	88	89
15	133	104	119	105	103	104	88	78	82	88	85	86
16	140	125	133	108	103	105	87	82	84	88	85	87
17	141	111	129	109	90	104	84	81	82	88	84	86
18	116	112	114	87	78	82	89	79	83	89	86	88
19	114	105	111	80	76	77	92	84	89	88	87	88
20	104	86	86	81	79	80	84	81	83	67	61	64
21	88	80	85	82	79	80	89	82	85	68	64	66
22	80	73	75	82	79	80	99	89	94	69	63	65
23	77	74	76	85	82	83	95	91	93	64	59	61
24	102	76	88	98	84	92	92	87	90	63	58	60
25	90	80	83	93	89	91	94	86	91	63	58	60
26	81	79	80	89	85	87	96	91	93	61	56	58
27	81	79	80	128	84	90	95	91	93	70	58	63
28	81	78	80	87	82	85	93	90	91	79	68	72
29	---	---	---	83	81	82	93	89	91	90	78	84
30	---	---	---	83	81	82	90	86	89	89	71	81
31	---	---	---	93	81	84	---	---	---	91	71	80
MONTH	141	73	101	128	73	90	99	76	84	94	56	81

TABLE 1.--Continued

11303000 STANISLAUS RIVER AT RIPON, CA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C)

	JUNE 1986			JULY 1986			AUGUST 1986			SEPTEMBER 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	90	79	84	64	61	63	86	81	84	53	51	52
2	82	48	62	67	62	64	86	67	79	53	51	52
3	52	44	47	68	64	65	65	62	63	53	52	53
4	49	45	47	66	63	64	63	62	62	54	52	53
5	51	46	47	67	64	65	63	59	61	55	52	53
6	50	46	48	69	64	66	61	59	60	54	52	53
7	50	47	49	70	66	68	61	59	60	53	51	52
8	50	47	49	70	68	69	61	59	60	53	50	52
9	55	48	49	72	68	70	61	60	61	51	50	50
10	60	53	56	73	70	71	61	59	60	52	50	51
11	61	51	56	83	66	74	64	61	62	53	51	52
12	54	50	52	93	80	84	65	62	64	54	52	53
13	53	49	51	96	91	94	65	64	65	56	54	55
14	64	50	56	97	93	95	65	63	64	56	54	55
15	65	61	63	96	90	94	69	64	66	58	55	56
16	64	61	62	92	87	89	71	68	69	59	57	58
17	68	61	63	93	81	86	71	69	70	59	57	58
18	73	66	68	90	83	86	72	69	70	58	57	57
19	72	68	70	88	83	86	72	68	69	59	57	58
20	78	73	76	91	86	88	68	65	67	67	58	61
21	88	78	82	90	78	84	67	64	66	67	66	66
22	90	87	88	86	82	83	66	57	61	68	66	67
23	91	58	75	91	82	86	89	57	60	68	56	62
24	60	56	57	90	81	84	60	56	57	62	59	60
25	60	57	58	86	77	80	57	48	53	59	57	58
26	60	57	58	84	81	82	51	49	50	66	58	62
27	61	58	59	86	81	83	50	49	49	69	65	67
28	61	58	59	85	76	80	50	48	49	70	67	69
29	61	58	59	81	72	77	51	49	49	71	69	70
30	62	59	60	85	76	80	52	49	50	81	71	76
31	---	---	---	87	80	83	52	51	51	---	---	---
MONTH	91	44	60	97	61	79	89	48	62	81	50	58

	OCTOBER 1986			NOVEMBER 1986			DECEMBER 1986			JANUARY 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	79	71	76	104	103	104	87	85	86	82	80	81
2	78	75	77	104	101	103	89	86	88	82	80	81
3	80	74	76	101	99	100	92	87	88	127	82	102
4	80	76	78	102	98	100	89	87	88	129	126	127
5	77	75	77	102	101	102	91	86	88	128	125	126
6	87	76	80	106	100	103	90	87	88	167	121	130
7	88	83	85	105	103	104	89	88	88	132	120	124
8	83	76	79	105	102	104	90	87	89	126	123	125
9	83	78	80	103	99	100	90	88	90	137	122	126
10	81	79	80	101	99	100	93	89	91	123	121	122
11	82	78	80	101	100	100	95	92	92	121	89	102
12	81	77	79	101	98	100	96	81	90	119	99	113
13	81	79	80	101	100	101	81	77	78	124	113	117
14	81	78	80	105	100	103	83	78	80	124	115	118
15	93	78	83	104	101	102	81	80	81	117	113	115
16	110	91	102	104	100	102	84	80	82	115	99	106
17	109	85	102	106	102	104	108	82	97	107	104	105
18	107	78	95	106	104	105	108	84	95	106	102	103
19	108	106	107	106	104	105	85	84	85	108	100	103
20	106	103	105	106	101	104	99	84	88	116	98	106
21	116	101	104	108	102	104	102	84	89	105	99	101
22	108	105	107	108	104	107	86	85	85	106	102	104
23	107	104	105	105	103	104	96	84	87	106	91	98
24	106	104	105	104	102	104	86	84	85	101	92	97
25	105	103	104	105	102	104	86	83	84	103	101	102
26	105	103	104	105	102	104	84	83	83	102	100	101
27	105	102	104	104	80	94	84	82	83	105	101	102
28	105	103	104	83	79	81	83	82	83	112	92	99
29	104	102	103	86	83	85	83	82	83	96	89	92
30	105	103	104	87	85	86	122	80	93	106	97	102
31	105	102	103	---	---	---	81	80	80	108	103	106
MONTH	116	71	92	108	79	101	122	77	87	167	80	108

TABLE 1.--Continued

11303000 STANISLAUS RIVER AT RIPON, CA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C)

	FEBRUARY 1987			MARCH 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
1	108	105	107	75	74	75
2	139	109	125	75	73	74
3	137	120	128	74	72	73
4	132	120	128	72	71	72
5	129	121	125	74	70	71
6	130	123	126	106	71	88
7	141	123	130	115	83	97
8	143	131	137	111	98	102
9	132	127	130	99	92	95
10	128	87	115	99	90	92
11	87	79	81	116	101	112
12	87	80	82	109	105	107
13	102	81	89	105	103	104
14	114	94	101	107	103	104
15	96	78	86	103	101	102
16	78	77	78	107	102	104
17	78	76	77	108	89	103
18	77	75	76	86	77	81
19	81	75	78	79	75	76
20	84	81	82	80	78	79
21	83	75	80	81	78	79
22	75	68	70	82	78	80
23	73	69	71	85	82	83
24	98	72	84	98	84	92
25	86	76	79	93	89	91
26	77	75	76	89	85	87
27	77	75	76	127	83	89
28	77	74	76	86	81	84
29	---	---	---	81	80	81
30	---	---	---	81	79	80
31	---	---	---	90	79	82
MONTH	143	68	96	127	70	88

WATER TEMPERATURE (DEG. C)

	OCTOBER 1985			NOVEMBER 1985			DECEMBER 1985			JANUARY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	19.0	17.0	18.0	15.0	13.5	14.5	15.0	14.5	15.0	11.0	10.5	11.0
2	19.0	17.0	18.0	15.5	13.5	14.5	15.5	14.5	15.0	11.5	11.0	11.5
3	19.5	17.5	18.5	15.5	14.0	15.0	16.0	15.0	15.5	12.0	11.5	12.0
4	20.0	17.5	19.0	17,5	14.5	16.0	15.5	15.0	15.5	13.0	12.0	12.5
5	20.0	18.0	19.5	17.0	16.0	16.5	15.5	15.0	15.0	13.5	12.5	13.0
6	20.0	18.5	19.5	16.5	15.0	16.0	15.0	14.0	14.5	13.0	12.5	12.5
7	19.5	18.5	19.0	16.0	15.0	15.5	14.5	14.0	14.0	12.5	11.5	12.0
8	18.5	17.0	18.0	15.5	14.5	15.0	13.5	12.5	13.0	11.5	11.0	11.5
9	17.5	16.0	16.5	15.0	14.0	14.5	12.5	11.5	12.0	11.5	11.0	11.0
10	16.5	14.5	15.5	14.5	13.5	14.0	11.5	10.5	11.0	11.0	10.5	10.5
11	16.0	14.0	15.5	13.5	12.5	13.0	10.5	9.5	10.0	10.5	10.0	10.5
12	16.5	14.5	15.5	12.5	11.5	12.0	10.0	9.5	9.5	10.0	10.0	10.0
13	16.5	14.5	15.5	12.0	11.0	11.5	9.5	8.5	9.0	10.0	10.0	10.0
14	16.0	14.0	15.0	12.0	10.5	11.5	9.0	8.0	8.5	10.5	10.0	10.0
15	16.0	13.5	15.0	12.0	10.5	11.5	8.5	8.0	8.0	11.5	10.0	10.5
16	16.0	14.0	15.0	12.5	12.0	12.5	8.5	8.0	8.5	12.0	11.0	11.5
17	16.5	14.5	15.5	13.5	12.5	13.0	9.0	8.5	8.5	12.5	11.5	12.0
18	16.5	14.5	16.0	13.0	12.0	12.5	9.0	8.5	8.5	12.5	12.0	12.0
19	16.5	15.0	15.5	12.5	11.0	12.0	8.5	8.0	8.5	13.0	12.0	12.5
20	15.5	14.5	15.0	12.0	11.5	12.0	8.5	8.0	8.5	12.5	11.5	12.0
21	15.5	14.5	15.0	12.5	11.5	12.0	8.5	8.0	8.5	11.5	11.0	11.0
22	15.5	13.5	15.0	12.5	11.5	12.0	8.0	8.0	8.0	11.5	10.5	11.0
23	16.0	14.0	15.0	12.5	12.0	12.5	8.5	8.0	8.0	12.0	11.0	11.5
24	16.5	14.5	15.5	13.5	12.5	13.0	8.5	8.0	8.0	12.5	10.5	11.5
25	17.0	15.0	16.0	15.0	13.5	14.0	8.5	8.0	8.0	12.5	10.5	11.5
26	17.0	15.0	16.0	15.0	13.5	14.5	8.5	8.0	8.0	12.5	10.0	11.0
27	17.5	15.5	16.5	15.0	14.5	15.0	8.5	8.0	8.0	11.0	10.0	10.5
28	17.0	15.5	16.5	15.5	15.0	15.0	8.5	8.0	8.5	11.0	10.5	11.0
29	16.5	15.0	15.5	15.5	14.5	15.0	9.0	8.5	8.5	11.5	11.0	11.5
30	16.0	14.5	15.5	15.5	14.5	15.0	10.5	9.0	9.5	12.5	11.5	12.0
31	15.0	14.0	14.5	---	---	---	11.0	10.5	10.5	13.0	12.0	12.5
MONTH	20.0	13.5	16.5	17.5	10.5	13.5	16.0	8.0	10.5	13.5	10.0	11.5

TABLE 1.--Continued

11303000 STANISLAUS RIVER AT RIPON, CA--Continued

WATER TEMPERATURE (DEG. C)

	FEBRUARY 1986			MARCH 1986			APRIL 1986			MAY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	13.5	11.5	12.0	12.0	10.5	11.0	15.0	13.5	14.0	16.5	15.0	15.5
2	12.5	11.5	12.0	12.0	11.0	11.5	15.0	13.5	14.5	17.0	14.0	15.5
3	12.0	11.5	12.0	12.5	11.0	12.0	14.0	13.0	13.5	18.0	15.0	16.5
4	12.0	11.0	11.5	12.0	11.5	11.5	14.0	12.5	13.0	19.5	16.0	17.5
5	11.0	10.5	11.0	11.5	11.5	11.5	14.5	12.5	13.5	20.5	17.0	19.0
6	11.0	10.0	10.5	12.5	11.5	12.0	14.5	13.0	14.0	21.0	18.0	19.5
7	11.0	10.0	10.5	12.5	12.0	12.5	15.0	13.0	14.0	21.0	18.0	19.5
8	11.0	9.5	10.5	13.0	12.0	12.5	15.5	13.5	14.5	20.0	18.0	19.0
9	10.5	9.5	10.0	13.0	11.5	12.0	15.5	14.0	15.0	21.0	18.0	19.5
10	11.0	9.5	10.0	12.5	11.5	12.0	16.0	14.5	15.0	21.5	18.5	20.0
11	10.5	9.5	10.0	14.0	11.5	12.5	15.5	14.0	15.0	21.5	18.5	20.0
12	11.0	10.5	10.5	14.0	13.0	13.5	15.5	14.0	14.5	21.5	18.5	20.0
13	12.5	11.0	11.5	14.5	13.0	13.5	15.5	13.5	14.5	21.0	18.5	20.0
14	13.5	12.5	13.0	13.5	12.0	13.0	16.5	14.0	15.5	20.0	17.5	19.0
15	13.5	13.0	13.0	13.0	11.5	12.0	17.0	14.5	16.0	20.0	18.0	19.0
16	13.5	12.5	13.0	13.5	11.5	12.5	17.5	15.0	16.5	20.0	18.0	19.0
17	13.0	12.5	13.0	14.0	12.0	13.0	16.5	15.0	16.0	18.5	17.0	18.0
18	14.0	13.0	13.0	13.5	12.0	12.5	16.0	14.5	15.0	18.0	16.0	17.0
19	13.5	12.5	13.0	12.5	11.0	11.5	15.5	13.5	14.5	17.0	16.0	16.5
20	13.5	10.0	10.5	12.0	11.0	11.5	16.5	13.5	15.0	15.5	14.5	15.0
21	10.5	9.5	10.0	12.0	11.0	11.5	17.5	14.5	16.0	15.5	13.5	14.5
22	10.5	9.0	10.0	12.0	11.0	11.5	17.5	15.5	16.5	15.5	14.0	14.5
23	10.5	9.5	10.0	12.0	11.0	11.5	17.5	15.5	16.5	15.5	14.0	14.5
24	10.5	9.5	10.0	12.5	11.0	11.5	17.5	15.0	16.5	15.5	13.5	14.5
25	11.0	10.0	10.5	13.0	11.5	12.5	18.5	15.5	17.0	17.0	14.5	16.0
26	11.0	9.5	10.0	13.5	12.0	13.0	19.0	16.0	17.5	17.5	15.5	16.5
27	11.0	9.5	10.5	14.0	12.0	13.0	19.5	16.5	18.0	17.5	15.5	16.5
28	11.5	10.0	10.5	14.0	12.5	13.0	18.5	17.0	18.0	18.0	15.5	17.0
29	---	---	---	14.0	12.5	13.5	18.0	16.0	17.0	18.5	16.0	17.5
30	---	---	---	14.5	13.0	14.0	17.0	15.5	16.5	20.0	17.0	18.0
31	---	---	---	14.5	13.5	14.0	---	---	---	19.0	16.0	17.5
MONTH	14.0	9.0	11.0	14.5	10.5	12.5	19.5	12.5	15.5	21.5	13.5	17.5

	JUNE 1986			JULY 1986			AUGUST 1986			SEPTEMBER 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	20.0	16.5	18.0	19.5	17.0	18.5	21.0	18.5	20.0	17.0	15.0	16.0
2	18.0	16.0	17.0	18.5	15.5	17.5	21.0	19.0	20.0	17.0	15.0	16.0
3	17.0	15.5	16.0	18.0	15.5	17.0	19.5	17.0	18.5	17.0	15.5	16.0
4	18.0	15.5	16.5	17.5	15.0	16.5	19.0	17.0	18.0	17.0	15.5	16.0
5	16.5	15.5	16.0	17.5	15.5	16.5	18.5	17.0	18.0	16.5	15.0	16.0
6	16.5	14.5	15.5	18.0	16.0	17.0	18.5	16.5	17.5	17.0	15.5	16.0
7	16.5	14.5	15.5	18.0	16.0	17.0	18.0	16.0	17.0	17.0	15.5	16.0
8	17.0	15.0	16.0	18.0	16.0	17.0	18.0	16.0	17.0	16.0	15.0	15.5
9	17.0	15.5	16.5	18.5	16.0	17.5	18.0	16.0	17.0	16.0	14.5	15.5
10	19.5	15.5	17.0	18.5	16.0	17.5	18.0	16.5	17.5	15.5	14.5	15.0
11	19.5	16.5	17.5	19.0	16.5	18.0	18.0	16.5	17.5	15.5	14.0	15.0
12	17.5	15.5	16.5	20.5	18.0	19.0	18.0	16.0	17.5	15.5	14.5	15.0
13	17.0	15.5	16.0	21.5	19.0	20.5	18.0	16.0	17.0	15.0	14.0	14.5
14	17.5	15.5	16.5	21.5	19.0	20.5	18.0	16.5	17.5	15.0	13.5	14.5
15	17.5	15.5	16.5	21.0	19.0	20.0	17.5	16.0	16.5	15.0	13.5	14.5
16	17.5	15.5	16.5	20.0	18.0	19.0	17.5	15.5	16.5	15.0	14.0	14.5
17	17.5	15.5	16.5	20.0	18.0	19.0	17.0	16.0	16.5	15.0	13.5	14.0
18	18.5	16.5	17.5	19.5	17.5	18.5	17.5	15.5	16.5	14.5	13.0	13.5
19	17.5	15.5	16.5	20.0	17.5	18.5	17.0	15.5	16.5	15.0	13.5	14.5
20	17.5	15.5	16.5	20.5	18.0	19.5	16.5	15.5	15.5	15.0	13.5	14.5
21	18.5	16.0	17.5	20.5	18.5	19.5	16.5	14.5	15.5	15.5	14.0	14.5
22	19.5	17.0	18.0	20.0	18.5	19.5	17.0	15.0	16.0	15.0	13.5	14.5
23	19.5	17.5	18.5	20.0	18.5	19.5	17.0	15.0	16.0	15.0	14.0	14.5
24	19.0	17.0	18.0	20.0	18.5	19.5	16.5	15.0	16.0	15.0	14.0	14.5
25	19.0	17.0	18.0	20.0	18.0	19.0	17.0	15.0	16.0	14.5	14.0	14.0
26	19.0	17.0	18.0	20.5	18.0	19.5	16.5	15.0	16.0	14.5	13.5	14.0
27	18.5	16.5	18.0	20.5	18.0	19.5	17.0	15.0	16.0	15.0	14.0	14.5
28	18.5	16.5	17.5	20.0	18.0	19.0	17.0	15.5	16.0	15.0	13.5	14.5
29	19.0	16.5	17.5	20.0	18.0	19.0	16.5	15.0	16.0	15.0	13.5	14.5
30	19.0	17.0	18.0	20.5	18.0	19.5	16.5	15.0	15.5	15.5	14.0	15.0
31	---	---	---	20.5	18.5	19.5	16.5	14.5	15.5	---	---	---
MONTH	20.0	14.5	17.0	21.5	15.0	18.5	21.0	14.5	17.0	17.0	13.0	15.0

TABLE 1.--Continued

11303000 STANISLAUS RIVER AT RIPON, CA--Continued

WATER TEMPERATURE (DEG. C)

	OCTOBER 1986			NOVEMBER 1986			DECEMBER 1986			JANUARY 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	16.0	15.0	15.5	14.0	13.0	13.5	10.5	9.5	10.0	9.0	9.0	9.0
2	16.0	14.5	15.5	14.0	12.5	13.0	10.5	9.5	10.0	9.5	9.0	9.0
3	16.0	14.5	15.0	13.5	12.0	13.0	10.5	9.5	10.0	10.5	9.5	10.0
4	16.0	14.5	15.5	13.5	12.0	13.0	10.5	10.0	10.5	10.5	10.0	10.5
5	16.0	15.0	15.5	14.0	12.5	13.0	11.0	10.5	11.0	10.5	9.5	10.0
6	16.5	15.0	16.0	13.5	12.0	13.0	11.5	11.0	11.0	10.0	9.5	10.0
7	17.0	15.0	16.0	12.5	11.5	12.0	11.5	10.5	11.0	10.0	9.5	9.5
8	17.0	15.5	16.0	12.5	11.5	12.0	11.0	10.0	10.5	9.5	9.0	9.0
9	17.0	15.5	16.0	12.0	11.0	11.5	10.5	10.0	10.0	9.0	8.5	9.0
10	16.5	15.5	16.0	12.5	11.0	11.5	10.5	10.0	10.0	9.0	8.5	9.0
11	16.0	15.0	15.5	12.5	11.0	11.5	10.0	10.0	10.0	8.5	8.0	8.0
12	15.5	14.5	15.0	12.5	11.0	12.0	10.0	9.0	9.5	8.5	8.0	8.5
13	15.5	14.5	15.0	12.5	11.0	12.0	9.5	9.5	9.5	9.0	8.0	8.5
14	16.0	14.5	15.0	13.0	11.5	12.0	10.0	9.5	10.0	8.5	7.0	8.0
15	16.0	14.5	15.0	13.0	11.5	12.0	10.0	10.0	10.0	8.0	7.0	7.5
16	15.5	14.5	15.0	12.5	11.0	12.0	10.0	9.5	10.0	7.0	6.0	6.5
17	15.0	14.0	14.5	12.0	11.0	11.5	10.0	9.5	10.0	7.0	6.0	6.5
18	15.0	14.0	14.5	13.0	11.5	12.0	10.0	9.5	10.0	7.5	6.5	7.0
19	15.0	13.5	14.5	13.5	12.5	13.0	10.5	10.0	10.5	8.0	6.5	7.0
20	15.0	13.5	14.5	14.0	12.5	13.0	11.0	10.5	10.5	8.0	7.0	7.5
21	15.0	13.5	14.5	13.5	13.0	13.0	10.5	9.5	9.5	8.0	7.0	7.5
22	15.0	13.5	14.5	13.0	12.0	12.5	9.5	9.5	9.5	8.5	7.5	8.0
23	14.5	13.5	14.0	12.5	11.5	12.0	10.5	9.5	10.0	9.5	8.5	9.0
24	15.5	14.0	14.5	12.0	11.0	11.5	10.0	9.5	9.5	9.5	9.0	9.5
25	15.5	14.0	15.0	12.0	11.0	11.5	10.0	9.5	9.5	11.0	9.5	10.0
26	15.5	14.5	15.0	11.5	10.5	11.0	9.5	9.0	9.0	10.5	9.5	10.5
27	16.5	14.5	15.5	11.5	10.5	11.0	9.5	9.5	9.5	10.5	10.0	10.5
28	15.5	15.0	15.5	11.0	10.0	10.5	9.5	9.0	9.0	11.0	10.0	10.5
29	15.5	14.5	15.0	11.0	10.0	10.5	9.5	9.0	9.0	10.5	9.5	10.0
30	16.0	14.5	15.0	10.5	10.0	10.5	9.5	9.0	9.5	10.5	10.0	10.5
31	15.0	14.0	14.5	---	---	---	9.0	9.0	9.0	11.0	9.5	10.0
MONTH	17.0	13.5	15.0	14.0	10.0	12.0	11.5	9.0	10.0	11.0	6.0	9.0

	FEBRUARY 1987			MARCH 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
1	11.0	9.5	10.5	12.0	10.5	11.0
2	10.5	10.5	10.5	12.0	11.0	11.5
3	11.0	10.5	11.0	12.5	11.0	12.0
4	11.5	10.0	10.5	12.0	11.5	11.5
5	11.5	10.0	11.0	11.5	11.5	11.5
6	12.0	10.0	11.0	12.5	11.5	12.0
7	12.0	10.5	11.5	12.5	12.0	12.5
8	12.5	11.0	11.5	13.0	12.0	12.5
9	12.5	11.5	12.0	13.0	11.5	12.0
10	13.5	12.0	12.5	12.5	11.5	12.0
11	13.0	12.0	12.5	14.0	11.5	12.5
12	12.5	11.5	12.0	14.0	13.0	13.5
13	12.5	11.5	12.0	14.5	13.0	13.5
14	11.5	11.0	11.5	13.5	12.0	13.0
15	11.5	11.0	11.0	13.0	11.5	12.0
16	11.5	10.0	10.5	13.5	11.5	12.5
17	11.0	9.5	10.5	14.0	12.0	13.0
18	11.0	9.5	10.5	13.5	12.0	12.5
19	11.0	9.5	10.5	12.5	11.0	11.5
20	11.0	9.5	10.5	12.0	11.0	11.5
21	10.5	9.5	10.0	12.0	11.0	11.5
22	10.5	9.0	10.0	12.0	11.0	11.5
23	10.5	9.5	10.0	12.0	11.0	11.5
24	10.5	9.5	10.0	12.5	11.0	11.5
25	11.0	10.0	10.5	13.0	11.5	12.5
26	11.0	9.5	10.0	13.5	12.0	13.0
27	11.0	9.5	10.5	14.0	12.0	13.0
28	11.5	10.0	10.5	14.0	12.5	13.0
29	---	---	---	14.0	12.5	13.5
30	---	---	---	14.5	13.0	14.0
31	---	---	---	14.5	13.5	14.0
MONTH	13.5	9.0	11.0	14.5	10.5	12.5

TABLE 1.--Continued

11303500 SAN JOAQUIN RIVER NEAR VERNALIS, CA

LOCATION.--Lat 37°40'34", long 121°15'55", in SW 1/4 NW 1/4 sec. 13, T.3 S., R.6 E., in El Pescadero Grant, San Joaquin County, Hydrologic Unit 18040003, on left bank 12 ft downstream from Durham Ferry Highway bridge, 2.6 mi downstream from Stanislaus River, and 3.2 mi northeast of Vernalis.
DRAINAGE AREA.--13,536 mi^2, includes about 2,100 mi^2 in James Bypass.
PERIOD OF RECORD.--March 1951 to March 1987
PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: March 1951 to May 1963, January 1973 to October 1981, October 1985 to March 1987.
WATER TEMPERATURE: March 1951 to March 1987.
INSTRUMENTATION.--Conductivity recorder January 1973 to October 1981. Temperature recorder October 1961 to September 1963, and since December 1972. Minimonitor recorder since October 1985.
REMARKS.--Chemical data from March 1951 to June 1985 are published in U.S. Geological Survey Water-Data Report series.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 2,350 microsiemens, Aug. 11, 1961; minimum daily, 60 microsiemens, June 21, 1953.
WATER TEMPERATURE: Maximum recorded, 30.0°C, July 7, 1970, July 30, 1977; minimum recorded, 3.0°C, Jan. 24, 1962.

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L AS CACO3)	CALCIUM, DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
JUN 1985												
28...	0930	1260	652	8.1	24.5	760	6.5	200	76	44	21	89
JUL												
16...	1250	2700	514	7.6	23.5	760	10.0	--	--	--	--	--
30...	1430	2780	531	7.9	21.5	760	7.7	120	39	28	13	59
AUG												
13...	0900	2760	484	7.8	19.5	760	7.2	120	18	27	12	51
26...	1000	2910	532	7.9	20.0	765	7.4	120	25	27	12	51
SEP												
10...	1210	2200	609	8.0	19.5	765	9.4	150	35	34	16	69
25...	0830	1850	560	7.7	21.0	760	6.7	140	26	31	15	62
OCT												
09...	0915	2020	557	7.9	17.0	750	7.4	130	21	29	14	60
22...	0845	2190	479	7.5	15.0	765	7.6	120	19	25	13	53
NOV												
05...	0830	1930	599	7.8	15.5	765	8.2	140	36	30	16	70
19...	1215	1700	768	7.8	10.5	775	9.3	180	54	38	20	90
DEC												
03...	0845	2570	622	7.6	12.0	765	8.2	140	37	30	15	72
17...	0815	1740	939	7.6	8.0	770	10.2	200	64	43	23	110
JAN 1986												
07...	0800	1780	782	7.6	12.0	770	8.2	190	72	41	22	110
22...	0815	2020	880	7.7	11.5	765	8.4	200	72	43	22	110
28...	1225	2030	913	7.7	11.0	750	8.8	200	79	43	22	110
FEB												
04...	0830	2720	690	7.8	11.5	767	7.3	180	69	38	20	94
18...	1030	7940	326	7.8	13.0	761	8.1	89	10	19	10	33
25...	1100	22700	198	7.4	14.5	767	6.6	53	5	12	5.7	19
MAR												
03...	1115	15800	241	7.5	16.0	769	7.2	64	13	14	7.0	29
11...	1410	17300	204	7.7	13.0	765	9.4	54	9	12	5.8	18
17...	1130	35600	155	7.7	11.5	762	9.1	42	0	9.7	4.4	12
APR												
01...	0800	27000	185	7.5	16.0	762	8.4	44	6	10	4.5	17
14...	1245	22700	175	7.5	16.5	761	10.3	43	7	10	4.4	18
MAY												
05...	1200	10500	244	7.6	16.0	762	8.8	59	13	14	5.8	23
20...	1330	7510	335	7.9	19.0	760	8.3	80	26	18	8.4	35
JUN												
02...	1130	7150	265	7.8	21.0	760	8.5	63	14	14	6.8	26
16...	1000	7250	267	7.7	19.5	760	8.2	61	8	14	6.4	25
JUL												
01...	0930	3670	553	7.9	22.0	760	7.8	130	40	29	14	61
15...	1415	2190	653	7.6	26.0	765	7.7	140	60	31	16	70
AUG												
06...	0945	3020	551	8.0	23.5	765	6.7	120	21	25	13	61
25...	1300	3500	449	7.9	21.0	760	8.3	120	35	28	12	67
SEP												
08...	1000	3840	405	7.8	21.0	760	8.4	100	23	23	11	46
23...	1130	4080	324	7.8	17.5	760	8.8	79	8	18	8.3	31
OCT												
07...	1015	3470	347	7.7	18.0	760	8.5	93	16	21	9.9	38
21...	1115	3540	300	7.6	15.5	760	8.8	79	10	18	8.3	31
NOV												
05...	0930	3160	446	7.8	14.0	750	9.4	110	32	24	12	50
18...	1300	2690	516	7.5	13.0	765	9.0	130	46	27	14	59
21...	0945	2490	525	7.9	13.5	770	10.6	130	41	27	14	61
DEC												
04...	0930	3370	400	7.8	10.0	760	10.2	94	30	21	10	44
16...	1515	3120	510	7.8	10.5	760	10.0	130	48	28	14	61

TABLE 1.--Continued

11303500 SAN JOAQUIN RIVER NEAR VERNALIS, CA--Continued

WATER QUALITY DATA

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L AS CACO3)	CALCIUM, DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
JAN 1987												
06...	0915	1780	710	7.7	9.5	765	9.6	170	64	37	19	84
16...	1330	2390	644	7.8	6.5	770	11.3	150	51	32	16	76
22...	1400	1970	687	7.8	8.0	765	10.8	150	57	34	17	77
FEB												
06...	1015	1750	836	7.8	11.5	770	9.5	180	75	39	20	94
19...	1400	2500	766	7.9	12.0	765	9.7	140	35	25	18	85
MAR												
09...	1345	4330	526	7.6	15.0	770	7.9	120	45	27	13	63
10...	1400	3950	670	7.8	14.0	760	8.3	140	55	31	15	72
25...	1315	3490	765	7.9	14.0	760	9.4	180	78	41	20	94

TABLE 1.--Continued

11303500 SAN JOAQUIN RIVER NEAR VERNALIS, CA--Continued

WATER QUALITY DATA

DATE	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, CARBONATE IT-FLD (MG/L AS CAC03)	SULFATE, DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3, DISSOLVED (MG/L AS N)
JUN 1985												
28...	49	3	3.3	120	97	110	0.1	20	455	0.62	1540	2.0
JUL												
16...	--	--	2.6	92	59	60	<0.1	--	293	--	--	1.3
30...	50	2	2.8	84	64	68	0.1	17	313	0.43	2350	1.3
AUG												
13...	48	2	2.7	99	53	59	<0.1	16	271	0.37	2020	1.2
26...	48	2	2.8	92	55	59	0.1	17	280	0.38	2200	1.2
SEP												
10...	49	3	4.1	116	72	78	0.1	21	373	0.51	2220	1.8
25...	48	2	3.4	113	49	65	0.1	20	322	0.44	1610	1.6
OCT												
09...	49	2	2.8	109	54	77	<0.1	20	331	0.45	1810	1.7
22...	49	2	3.1	97	49	66	<0.1	18	302	0.41	1790	1.8
NOV												
05...	51	3	2.8	105	68	90	0.1	17	347	0.47	1810	1.6
19...	52	3	3.1	--	90	110	0.1	21	432	0.59	1980	2.0
DEC												
03...	52	3	5.4	100	74	81	0.1	17	353	0.48	2450	1.7
17...	54	3	3.6	138	130	150	0.1	20	547	0.74	2570	2.1
JAN 1986												
07...	55	4	4.6	121	130	130	<0.1	19	508	0.69	2440	2.1
22...	54	3	3.5	126	140	120	0.1	18	522	0.71	2850	2.2
28...	54	3	3.8	--	170	130	0.1	17	714	0.97	3910	2.4
FEB												
04...	53	3	4.9	108	120	110	0.1	17	463	0.63	3400	2.2
18...	43	2	5.7	79	43	24	<0.1	15	221	0.30	4740	0.86
25...	42	1	2.6	48	18	13	<0.1	14	113	0.15	6930	0.37
MAR												
03...	49	2	2.2	51	36	24	<0.1	12	154	0.21	6570	0.44
11...	41	1	2.0	--	18	15	<0.1	11	112	0.15	5230	0.34
17...	37	0.8	2.3	43	15	11	<0.1	12	104	0.14	10000	0.29
APR												
01...	45	1	1.5	38	16	14	<0.1	10	103	0.14	7510	0.18
14...	47	1	1.5	36	17	15	<0.1	10	103	0.14	6310	0.26
MAY												
05...	45	1	1.8	46	30	23	<0.1	13	138	0.19	3910	0.59
20...	48	2	2.0	54	46	39	0.1	13	198	0.27	4010	0.72
JUN												
02...	47	1	1.6	49	33	25	0.1	13	154	0.21	2970	0.61
16...	46	1	1.6	53	34	26	<0.1	12	151	0.21	2960	0.71
JUL												
01...	50	2	2.6	90	82	72	0.1	15	352	0.48	3490	1.6
15...	51	3	3.0	83	87	83	0.1	16	385	0.52	2280	1.8
AUG												
06...	53	3	2.7	95	75	63	0.2	--	303	--	--	1.6
25...	54	3	2.3	84	59	56	0.1	16	268	0.36	2530	1.3
SEP												
08...	48	2	2.9	80	47	49	0.1	17	273	0.37	2830	1.1
23...	45	2	2.2	71	29	31	<0.1	14	240	0.33	2640	1.3
OCT												
07...	46	2	2.4	77	41	43	<0.1	15	228	0.31	2140	1.3
21...	45	2	1.8	69	29	35	<0.1	15	243	0.33	2320	1.1
NOV												
05...	49	2	1.8	77	62	58	<0.1	14	277	0.38	2360	1.0
18...	50	2	2.1	--	70	68	0.1	15	309	0.42	2240	1.3
21...	51	2	2.0	84	70	69	<0.1	15	318	0.43	2140	1.2
DEC												
04...	50	2	1.6	64	47	46	<0.1	13	228	0.31	2070	0.98
16...	51	2	1.7	80	--	69	<0.1	16	309	--	--	1.1
JAN 1987												
06...	51	3	2.8	107	110	99	<0.1	18	433	0.59	2080	1.8
16...	53	3	2.9	--	100	82	<0.1	16	390	0.53	2520	1.6
22...	51	3	2.7	98	100	80	0.1	16	411	0.56	2190	1.7
FEB												
06...	53	3	3.0	105	140	120	0.1	16	501	0.68	2370	2.0
19...	57	3	4.0	102	150	95	0.1	15	460	0.63	3110	2.2
MAR												
09...	52	3	4.6	--	89	63	0.1	15	330	0.45	3860	1.8
10...	52	3	4.4	84	100	70	0.1	16	362	0.49	3860	2.2
25...	52	3	3.5	107	150	110	0.1	16	493	0.67	4650	2.0

TABLE 1.--Continued

11303500 SAN JOAQUIN RIVER NEAR VERNALIS, CA--Continued

WATER QUALITY DATA

DATE	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	NITROGEN,AMMONIA + ORGANIC, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP., SIEVE DIAM. % FINER THAN 0.062 MM	CHLOR-A PHYTOPLANKTON, CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON, CHROMO FLUOROM (UG/L)	CARBON, ORGANIC, TOTAL (MG/L AS C)
JUN 1985												
28...	0.14	0.18	0.90	0.30	0.19	0.19	119	403	98	<0.10	<0.10	--
JUL												
16...	0.06	0.08	0.80	0.27	0.16	0.12	--	--	96	6.6	<0.10	--
30...	0.14	0.18	1.1	0.20	0.14	0.12	86	646	94	5.7	<0.10	--
AUG												
13...	0.11	0.14	0.80	0.35	0.10	0.08	98	730	96	12	<0.10	--
26...	0.08	0.10	1.3	0.25	0.14	0.12	94	739	88	8.5	<0.10	--
SEP												
10...	0.10	0.13	1.0	0.33	0.17	0.14	98	582	98	6.1	<0.10	--
25...	0.12	0.15	0.90	0.32	0.16	0.19	96	480	93	14	<0.10	--
OCT												
09...	0.14	0.18	0.90	0.28	0.16	0.17	90	491	79	5.3	0.60	--
22...	0.02	0.03	1.0	0.29	0.12	0.10	56	331	86	2.4	0.30	--
NOV												
05...	0.24	0.31	1.0	0.27	0.20	0.15	54	281	82	3.3	0.90	--
19...	0.44	0.57	1.4	0.28	0.27	0.16	--	--	--	2.2	0.50	--
DEC												
03...	0.53	0.68	1.3	0.40	0.25	0.25	59	409	90	8.3	1.4	--
17...	0.44	0.57	1.3	0.34	0.24	0.23	27	127	81	3.0	0.70	5.4
JAN 1986												
07...	0.60	0.77	1.3	0.41	0.37	0.30	43	207	93	2.5	0.30	4.2
22...	0.37	0.48	1.6	0.36	0.25	0.23	45	245	79	2.3	0.30	5.9
28...	0.41	0.53	1.4	0.36	0.28	0.24	--	--	--	--	--	--
FEB												
04...	0.49	0.63	1.3	0.50	0.35	0.33	66	485	90	5.6	0.80	12
18...	0.55	0.71	2.8	0.85	0.36	0.31	737	15800	89	6.2	1.3	24
25...	0.12	0.15	0.80	0.22	0.13	0.11	82	5030	67	--	--	9.7
MAR												
03...	0.11	0.14	0.70	0.22	0.13	0.11	87	3710	67	3.3	0.50	5.7
11...	<0.01	--	0.90	0.23	0.11	0.08	--	--	--	--	--	--
17...	0.14	0.18	0.90	0.23	0.14	0.12	--	--	--	2.5	0.40	7.1
APR												
01...	0.04	0.05	0.60	0.13	0.07	0.06	67	4880	58	11	1.1	4.2
14...	0.05	0.06	0.50	0.12	0.05	0.05	56	3430	74	5.8	0.60	5.3
MAY												
05...	0.11	0.14	0.70	0.17	0.08	0.08	75	2130	80	4.9	0.70	5.0
20...	0.09	0.12	0.80	0.18	0.45	0.12	--	--	--	5.4	1.2	3.6
JUN												
02...	0.03	0.04	0.50	0.16	0.06	0.06	79	1530	84	--	--	4.5
16...	0.03	0.04	0.50	0.17	0.08	0.07	91	1780	83	7.6	0.80	4.4
JUL												
01...	0.05	0.06	0.70	0.21	0.09	0.10	--	--	--	--	--	3.6
15...	0.03	0.04	0.90	0.32	0.11	0.12	--	--	--	28	2.6	--
AUG												
06...	0.06	0.08	0.90	0.22	0.11	0.10	--	--	--	--	--	7.5
25...	0.04	0.05	0.90	0.24	0.12	0.11	67	633	92	8.1	0.60	5.8
SEP												
08...	0.08	0.10	0.50	0.18	0.11	0.11	--	--	--	--	--	5.2
23...	<0.01	--	1.1	0.16	0.05	0.04	68	749	84	7.5	0.50	3.9
OCT												
07...	0.02	0.03	0.90	0.13	0.08	0.07	--	--	--	--	--	3.7
21...	0.02	0.03	0.50	0.02	0.06	0.06	56	535	83	3.6	0.30	5.0
NOV												
05...	0.04	0.05	0.50	0.15	0.09	0.08	--	--	--	--	--	3.6
18...	0.08	0.10	0.80	0.13	0.08	0.07	--	--	--	--	--	--
21...	0.02	0.03	0.60	0.14	0.06	0.06	34	229	79	2.2	<0.10	2.5
DEC												
04...	0.04	0.05	0.40	0.12	0.06	0.05	--	--	--	--	--	2.9
16...	0.05	0.06	0.50	0.10	0.05	0.05	40	337	63	2.4	0.20	3.9
JAN 1987												
06...	0.30	0.39	1.7	0.24	0.15	0.15	--	--	--	--	--	2.9
16...	0.42	0.54	1.5	0.30	0.21	0.20	--	--	--	--	--	--
22...	0.32	0.41	1.1	0.25	0.15	0.15	26	138	85	2.4	0.30	4.9
FEB												
06...	0.22	0.28	1.2	0.26	0.21	0.19	--	--	--	--	--	6.2
19...	0.32	0.41	1.0	0.38	<0.28	0.25	103	695	93	4.7	0.50	5.8
MAR												
09...	0.39	0.50	2.9	0.49	0.40	0.35	--	--	--	--	--	--
10...	0.12	0.15	0.20	0.41	0.25	0.22	--	--	--	--	--	9.1
25...	0.34	0.44	1.5	0.36	0.25	0.23	63	594	78	3.9	0.70	21

TABLE 1.--Continued

11303500 SAN JOAQUIN RIVER NEAR VERNALIS, CA--Continued

WATER QUALITY DATA

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC, TOTAL (UG/L AS AS)	ARSENIC, DISSOLVED (UG/L AS AS)	BORON, TOTAL RECOVERABLE (UG/L AS B)	BORON, DISSOLVED (UG/L AS B)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)
JUN 1985											
28...	--	--	3	2	430	390	14	8	2	3900	12
JUL											
16...	3900	30	5	1	150	--	30	18	4	4300	--
30...	2400	<10	3	5	170	170	17	10	1	3200	21
AUG											
13...	2300	20	2	2	280	220	20	6	1	3300	28
26...	2100	20	3	2	310	230	7	8	2	3000	21
SEP											
10...	2400	10	--	2	380	--	--	10	2	3500	17
25...	1900	10	3	2	200	170	10	6	3	3000	19
OCT											
09...	1200	20	3	2	200	180	7	5	2	2000	30
22...	1300	<10	2	2	180	170	13	4	1	1900	40
NOV											
05...	920	<10	2	2	300	260	8	7	1	1700	24
19...	470	<10	--	2	320	--	8	3	1	880	18
DEC											
03...	1100	10	3	2	320	340	12	7	2	2000	38
17...	770	<10	3	2	520	540	10	4	<1	1300	19
JAN 1986											
07...	870	<10	2	2	410	400	4	5	3	1600	20
22...	820	<10	3	2	540	550	6	4	1	1500	<3
28...	--	--	--	--	--	--	--	--	--	--	--
FEB											
04...	1300	<10	3	2	530	510	7	4	<1	2300	33
18...	18000	80	4	2	210	190	32	37	3	28000	120
25...	2100	130	2	2	100	110	14	13	4	3000	130
MAR											
03...	1900	80	2	1	170	180	15	6	1	2600	73
11...	--	70	--	2	--	--	--	--	4	--	74
17...	2400	170	2	1	90	70	24	54	10	3500	150
APR											
01...	1100	70	2	1	80	100	7	5	1	1800	76
14...	1000	70	2	1	110	110	11	7	<1	1700	73
MAY											
05...	1200	40	2	1	110	120	7	5	2	2300	53
20...	1100	20	2	1	160	--	10	26	4	1900	27
JUN											
02...	1400	10	2	1	100	120	10	8	5	2300	24
16...	1300	20	2	1	130	140	10	5	6	2300	35
JUL											
01...	1400	20	2	1	310	330	24	7	2	2400	24
15...	2900	--	3	--	410	--	9	18	--	4000	--
AUG											
06...	2700	<10	--	2	--	330	12	--	2	4200	<10
25...	1200	<10	--	2	290	280	3	10	--	2200	20
SEP											
08...	1700	<10	3	1	250	200	6	5	1	2800	17
23...	1500	--	2	--	130	--	9	7	--	2300	--
OCT											
07...	910	<10	2	1	150	140	9	8	2	1700	17
21...	1300	<10	2	1	80	100	30	10	1	1700	28
NOV											
05...	720	<10	2	1	230	230	<1	9	1	1400	15
18...	900	<10	2	1	270	--	--	16	1	1300	16
21...	850	<10	2	1	290	260	5	21	<1	1200	15
DEC											
04...	730	<10	1	1	240	210	1	7	2	1300	17
16...	550	<10	2	1	260	260	<1	7	<1	1100	11
JAN 1987											
06...	480	<10	2	2	370	370	2	8	1	1000	9
16...	--	--	--	--	--	--	--	--	--	--	--
22...	840	20	2	1	460	420	<1	8	2	1400	9
FEB											
06...	720	<10	2	1	540	510	5	6	1	1300	12
19...	1800	<10	2	2	620	600	6	10	2	2700	50
MAR											
09...	--	80	--	2	--	--	--	--	4	--	71
10...	2100	60	3	2	420	420	13	11	4	3500	65
25...	830	<10	3	2	580	610	<1	5	1	1400	9

TABLE 1.--Continued

11303500 SAN JOAQUIN RIVER NEAR VERNALIS, CA--Continued

WATER QUALITY DATA

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
JUN 1985											
28...	20	210	52	2	2	20	<2	1	1	60	<3
JUL											
16...	2	170	--	<5	--	19	2	<1	<1	40	--
30...	4	160	34	<2	2	17	<1	<1	<1	80	6
AUG											
13...	1	180	19	<1	3	35	<1	1	1	30	--
26...	2	160	21	2	2	9	3	<1	<1	10	<3
SEP											
10...	--	170	38	3	<10	16	1	--	1	20	5
25...	<1	170	30	3	2	11	5	<1	<1	30	6
OCT											
09...	7	150	26	1	<1	3	2	<1	<1	20	4
22...	4	130	37	2	1	50	3	<1	<1	10	10
NOV											
05...	1	130	35	1	1	19	<1	1	<1	<10	<3
19...	1	100	53	2	<10	6	1	<1	1	--	12
DEC											
03...	<1	170	40	2	2	3	1	1	<1	<10	8
17...	<1	130	78	3	2	6	1	2	2	30	6
JAN 1986											
07...	1	160	85	6	3	10	1	1	1	10	6
22...	<1	140	66	5	4	5	3	1	1	<10	5
28...	--	--	--	--	--	--	--	--	--	--	--
FEB											
04...	<1	170	38	1	2	8	1	2	2	20	16
18...	5	780	21	<1	4	85	<1	<1	<1	90	11
25...	<1	100	34	<1	2	<1	4	<1	<1	40	6
MAR											
03...	1	140	43	1	<2	6	7	<1	<1	20	7
11...	--	--	23	--	<10	--	2	--	<1	--	<5
17...	50	110	22	<1	1	13	<1	<1	<1	80	48
APR											
01...	4	70	18	2	3	<1	<1	<1	<1	<10	7
14...	3	80	24	1	6	10	<1	1	<1	10	16
MAY											
05...	2	120	28	<1	1	2	2	1	1	20	<3
20...	5	130	20	1	<10	6	<1	<1	<1	20	8
JUN											
02...	<1	130	10	<1	2	8	5	<1	<1	10	4
16...	<5	120	9	<1	<1	6	10	<1	<1	10	18
JUL											
01...	<5	170	17	2	3	2	4	1	1	10	10
15...	<5	240	--	2	--	12	--	1	--	20	--
AUG											
06...	<5	--	10	1	1	16	2	1	2	20	20
25...	<5	130	20	8	10	25	1	1	1	20	<10
SEP											
08...	<5	140	7	4	13	14	3	1	1	10	<3
23...	<5	100	--	4	--	8	--	<1	--	20	--
OCT											
07...	<5	110	18	5	4	5	1	<1	<1	10	<3
21...	6	100	15	20	4	7	1	<1	<1	330	<3
NOV											
05...	<5	100	25	7	5	6	3	1	<1	10	3
18...	<5	90	38	5	<10	<1	<1	1	1	20	9
21...	<5	80	39	8	7	6	3	1	1	<10	14
DEC											
04...	73	80	22	2	2	2	2	1	1	10	<3
16...	<5	90	47	3	2	2	<1	1	1	<10	4
JAN 1987											
06...	6	120	83	8	1	4	2	1	1	<10	11
16...	--	--	--	--	--	--	--	--	--	--	--
22...	<5	100	61	4	3	6	4	1	1	10	10
FEB											
06...	<5	110	58	11	4	4	<1	3	3	10	4
19...	6	150	30	4	3	7	3	3	2	<10	<10
MAR											
09...	--	--	19	--	<10	--	<1	--	2	--	17
10...	<5	190	15	2	2	8	6	<1	2	<10	5
25...	<5	110	25	2	4	6	4	3	4	20	8

TABLE 1.--Continued

11303500 SAN JOAQUIN RIVER NEAR VERNALIS, CA--Continued

WATER QUALITY DATA

DATE	TIME	DI-CHLORO-BROMO-METHANE, TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE, TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE, TOTAL (UG/L)	BROMO-FORM, TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE, TOTAL (UG/L)	CHLORO-FORM, TOTAL (UG/L)	TOLUENE, TOTAL (UG/L)	BENZENE, TOTAL (UG/L)	CHLORO-BENZENE, TOTAL (UG/L)	CHLORO-ETHANE, TOTAL (UG/L)
SEP 1985 25...	0830	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

DATE	ETHYL-BENZENE, TOTAL (UG/L)	METHYL-BROMIDE, TOTAL (UG/L)	METHYL-ENE CHLO-RIDE, TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE, TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE, TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE, TOTAL (UG/L)	1,1-DI-CHLORO-ETHYL-ENE, TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE, TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE, TOTAL (UG/L)	1,1,2,2 TETRA-CHLORO-ETHANE, TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE, TOTAL (UG/L)
SEP 1985 25...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

DATE	1,2-TRANSDI CHLORO-ETHYL-ENE, TOTAL (UG/L)	1,3-DI-CHLORO-PROPANE, TOTAL (UG/L)	2-CHLORO-ETHYL-VINYL-ETHER, TOTAL (UG/L)	DI-CHLORO-DI-FLUORO-METHANE, TOTAL (UG/L)	PRO-PAZINE, TOTAL (UG/L)	METHO-MYL, TOTAL (UG/L)	PROPHAM, TOTAL (UG/L)	SIME-TRYNE, TOTAL (UG/L)	SIMA-ZINE, TOTAL (UG/L)	PROME-TONE, TOTAL (UG/L)
SEP 1985 25...	<3.0	<3.0	<3.0	<3.0	<0.10	<2.0	<2.0	<0.1	<0.10	<0.1

DATE	PROME-TRYNE, TOTAL (UG/L)	VINYL CHLO-RIDE, TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	ATRA-ZINE, TOTAL (UG/L)	PICLO-RAM (TOR-DON) (AMDON), TOTAL (UG/L)
SEP 1985 25...	<0.1	<3.0	<3.0	<0.01	<0.01	<0.01	0.01	<0.01	<0.10	<0.01

DATE	2,4-D, TOTAL (UG/L)	2,4,5-T, TOTAL (UG/L)	SEVIN, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	CYAN-AZINE, TOTAL (UG/L)	DICAMBA (MED-IBEN) (BAN-VEL D), TOTAL (UG/L)	2,4-DP, TOTAL (UG/L)	AME-TRYNE, TOTAL (UG/L)
SEP 1985 25...	<0.01	<0.01	<2.0	<0.01	<0.01	<0.01	<0.10	<0.01	<0.01	<0.10

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	LINDANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT 1985 09...	0915	557	7.9	17.0	750	7.4	<1.0	<0.1	<0.1	3.0	3.2	7.1

DATE	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE, TOT. IN BOTTOM MATL. (UG/KG)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
OCT 1985 09...	1.3	1.0	<0.1	<0.1	<10	<0.1	<0.1	<0.1	2	<0.1	<1.0

TABLE 1.--Continued

11303500 SAN JOAQUIN RIVER NEAR VERNALIS, CA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C)

	OCTOBER 1985			NOVEMBER 1985			DECEMBER 1985			JANUARY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	454	590	577	584	639	583	604	745	647	676
2	---	---	460	595	587	591	656	640	651	718	662	680
3	---	---	435	595	590	592	647	613	626	859	726	802
4	---	---	400	608	596	603	654	613	627	854	779	813
5	---	---	435	619	599	608	701	653	682	783	758	769
6	---	---	440	622	609	615	690	630	652	812	756	776
7	---	---	465	675	625	652	630	618	621	917	814	869
8	---	---	490	698	676	685	623	617	619	921	794	840
9	---	---	515	710	686	696	633	618	626	830	753	781
10	544	519	537	714	700	708	680	628	652	811	775	793
11	554	503	534	705	685	694	740	681	713	803	784	792
12	531	504	523	685	666	675	778	739	755	796	780	789
13	540	514	527	679	661	670	876	784	826	855	798	818
14	521	481	503	700	680	690	906	880	895	956	859	913
15	488	471	480	704	685	693	913	902	906	954	850	890
16	518	465	488	695	684	691	923	900	911	859	793	830
17	519	469	493	715	696	704	948	926	936	---	---	865
18	464	425	435	752	716	734	959	945	951	---	---	861
19	489	437	454	763	749	756	947	939	944	---	---	836
20	509	492	500	744	731	738	955	934	944	---	---	832
21	531	490	516	757	736	744	948	934	940	---	---	818
22	484	458	468	832	757	772	949	882	917	---	---	890
23	504	461	488	---	---	740	873	748	787	855	821	836
24	517	490	502	---	---	695	818	763	792	883	847	861
25	561	519	542	---	---	655	823	743	773	941	888	912
26	564	559	561	---	---	615	767	742	754	962	906	938
27	560	510	549	636	617	626	818	768	794	904	871	885
28	507	488	497	664	637	653	832	734	768	908	871	896
29	530	508	517	648	624	633	740	622	656	890	779	825
30	555	523	543	628	591	614	671	611	637	787	739	762
31	579	541	562	---	---	---	748	673	719	747	696	731
MONTH	---	---	494	---	---	671	959	583	764	---	---	825

	FEBRUARY 1986			MARCH 1986			APRIL 1986			MAY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	690	636	662	235	219	225	175	171	173	266	235	253
2	707	659	688	242	234	239	174	171	173	266	261	264
3	710	692	702	243	238	241	177	172	174	264	256	261
4	719	674	700	239	229	235	177	174	175	255	228	238
5	695	550	588	229	222	225	181	176	178	260	229	245
6	596	567	581	223	215	218	182	176	179	276	263	270
7	569	517	540	216	213	215	176	172	173	277	271	274
8	577	538	550	213	201	206	180	173	176	278	270	272
9	628	576	601	204	179	196	184	180	182	286	273	280
10	708	630	661	187	174	179	183	177	181	272	258	266
11	782	716	756	191	186	189	178	176	177	266	253	256
12	771	660	697	191	173	184	176	169	173	264	247	253
13	666	632	643	173	153	161	174	170	172	246	230	238
14	638	447	549	151	140	145	177	172	175	234	229	232
15	638	480	568	145	142	143	---	---	174	249	232	241
16	522	403	443	157	145	151	174	171	172	257	245	251
17	454	404	437	162	158	161	174	172	173	284	257	273
18	---	---	372	160	154	157	177	174	175	292	282	288
19	---	---	307	155	152	153	181	176	179	305	281	296
20	---	---	242	161	153	155	185	181	182	328	303	317
21	---	---	240	166	160	163	192	185	190	344	298	334
22	---	---	220	171	165	169	204	192	198	299	267	274
23	---	---	184	174	171	172	212	204	208	---	---	289
24	---	---	170	174	172	173	219	212	216	---	---	304
25	---	---	170	176	173	174	221	217	219	---	---	319
26	---	---	177	176	173	174	222	220	221	---	---	334
27	---	---	184	178	174	176	240	224	231	---	---	348
28	---	---	204	181	178	179	245	241	243	346	334	341
29	---	---	---	179	177	178	248	243	245	336	295	319
30	---	---	---	178	174	176	244	234	239	295	287	292
31	---	---	---	176	174	175	---	---	---	301	285	294
MONTH	---	---	458	243	140	183	---	---	191	---	---	281

TABLE 1.--Continued

11303500 SAN JOAQUIN RIVER NEAR VERNALIS, CA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C)

	JUNE 1986			JULY 1986			AUGUST 1986			SEPTEMBER 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	284	265	276	558	---	553	662	638	650	434	405	421
2	266	259	262	584	553	570	649	616	635	420	400	412
3	272	262	266	596	563	577	609	543	576	447	402	429
4	272	257	264	580	557	569	542	516	528	429	406	418
5	259	247	253	570	551	557	533	514	523	441	405	417
6	259	245	253	609	551	587	539	500	522	443	424	435
7	247	242	245	596	537	577	536	505	517	429	422	425
8	256	246	252	555	526	545	539	500	518	442	413	422
9	248	239	244	561	519	545	520	495	506	442	409	425
10	253	235	243	573	542	562	518	477	501	447	399	423
11	249	241	244	592	537	563	526	481	508	412	392	402
12	247	229	242	609	582	595	524	269	478	408	373	387
13	238	227	231	647	601	631	540	251	461	379	355	365
14	238	229	233	672	630	645	541	234	440	358	334	346
15	260	234	250	659	616	637	493	231	367	338	312	322
16	268	256	261	697	647	671	522	243	417	346	321	334
17	285	269	275	662	617	643	540	260	456	328	291	306
18	300	286	294	661	612	639	512	257	472	288	277	281
19	336	301	323	713	665	695	509	464	486	282	271	276
20	364	318	339	713	683	695	476	459	468	458	267	346
21	453	369	415	706	664	691	463	424	445	470	292	395
22	488	453	473	660	627	649	461	424	440	473	300	401
23	507	477	494	661	623	638	484	460	471	---	---	410
24	521	497	506	668	634	649	479	444	461	---	---	400
25	525	504	514	650	633	641	469	446	460	---	---	380
26	531	517	526	633	608	619	482	455	471	---	---	340
27	520	498	505	622	610	617	487	447	471	---	---	330
28	522	497	511	619	598	608	453	423	441	---	---	340
29	548	513	531	676	596	610	472	438	453	---	---	380
30	532	---	530	638	603	622	463	431	451	---	---	400
31	---	---	---	663	628	643	451	424	438	---	---	---
MONTH	548	---	342	713	---	614	662	231	485	---	---	379

	OCTOBER 1986			NOVEMBER 1986			DECEMBER 1986			JANUARY 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	330	519	335	443	604	442	471	337	246	293
2	---	---	335	570	520	542	454	410	437	451	273	352
3	---	---	335	603	393	501	411	382	393	628	456	528
4	---	---	340	611	421	498	408	391	397	634	567	598
5	---	---	345	617	428	545	411	374	390	647	604	621
6	---	---	350	615	595	605	448	406	424	765	652	716
7	367	336	353	610	463	592	501	448	471	723	520	590
8	363	286	315	611	406	446	590	495	521	526	458	493
9	481	296	355	405	400	403	573	323	509	516	459	488
10	481	278	320	406	395	402	337	271	308	594	449	515
11	438	263	331	396	371	387	351	266	303	647	594	627
12	425	255	336	546	352	393	341	257	295	710	637	657
13	444	222	380	553	353	536	319	246	284	803	710	765
14	452	268	370	543	521	531	321	241	285	784	642	684
15	422	257	272	574	520	536	415	272	335	694	663	679
16	255	156	204	595	580	587	531	299	444	694	662	678
17	322	149	226	582	323	392	324	260	289	689	606	631
18	323	303	314	369	308	346	351	261	304	665	626	640
19	300	280	293	469	333	369	326	255	286	754	671	696
20	299	275	287	611	492	549	323	250	283	830	763	812
21	332	299	310	534	394	473	344	247	301	824	682	736
22	348	247	323	408	393	401	445	286	356	730	684	703
23	366	353	360	543	397	427	563	297	473	722	680	693
24	375	357	367	572	474	557	339	262	297	696	671	682
25	392	233	362	576	482	554	364	259	322	719	668	681
26	406	231	346	592	502	569	477	320	389	768	711	732
27	261	245	251	600	461	565	603	431	530	784	753	770
28	397	248	292	453	424	433	406	318	364	757	693	717
29	446	275	405	443	426	436	453	303	365	689	634	650
30	459	415	445	466	434	446	625	344	516	686	631	652
31	501	371	443	---	---	---	341	250	305	666	644	649
MONTH	---	---	332	617	308	482	625	241	376	830	246	636

TABLE 1.--Continued

11303500 SAN JOAQUIN RIVER NEAR VERNALIS, CA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C)

	FEBRUARY 1987			MARCH 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
1	703	648	663	836	811	824
2	807	709	764	867	833	849
3	818	808	813	859	802	828
4	816	792	799	824	780	794
5	813	795	803	811	758	782
6	853	815	837	771	590	732
7	911	841	874	572	400	466
8	999	908	951	647	576	618
9	996	979	987	606	569	585
10	996	979	987	717	611	659
11	996	945	976	834	720	783
12	984	949	959	924	838	884
13	989	915	959	975	924	951
14	908	693	791	---	---	990
15	751	651	690	---	---	1020
16	816	737	790	---	---	1020
17	731	679	696	---	---	990
18	738	688	716	971	865	914
19	795	736	763	861	809	833
20	859	799	833	825	805	814
21	864	845	854	810	794	802
22	878	840	862	816	788	801
23	842	814	825	829	782	802
24	836	825	830	824	763	793
25	854	833	846	775	755	763
26	853	815	836	770	745	758
27	824	806	815	758	702	734
28	844	820	834	728	699	712
29	---	---	---	734	699	715
30	---	---	---	726	710	718
31	---	---	---	750	720	733
MONTH	999	648	834	---	---	796

WATER TEMPERATURE (DEG. C)

	OCTOBER 1985			NOVEMBER 1985			DECEMBER 1985			JANUARY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	19.5	18.0	14.5	16.0	13.5	11.5	11.5	12.0	11.0	11.0
2	---	---	19.5	18.0	15.0	15.5	15.0	11.0	12.0	13.0	11.5	11.5
3	---	---	20.0	18.0	15.5	16.0	16.5	13.0	13.0	14.0	12.0	12.0
4	---	---	20.5	18.5	16.0	16.0	15.0	12.5	12.5	14.5	12.0	13.0
5	---	---	21.0	18.5	16.0	16.0	15.5	12.5	13.0	16.0	13.5	14.0
6	---	---	21.0	18.0	15.5	15.5	15.0	12.0	12.5	15.5	13.0	13.5
7	---	---	20.5	18.0	14.5	15.5	15.5	11.5	12.0	14.0	12.0	12.5
8	---	---	19.5	17.5	14.5	15.0	15.0	11.5	12.0	14.0	12.0	12.0
9	---	---	18.0	16.5	14.0	14.0	13.0	10.5	11.0	13.0	11.0	11.5
10	18.5	16.5	17.5	14.0	11.5	12.5	11.0	9.5	9.5	11.5	10.5	10.5
11	18.5	15.5	17.0	13.5	10.0	11.0	11.0	7.5	8.5	11.0	10.0	10.0
12	19.0	16.0	17.5	13.0	10.5	10.5	9.5	7.5	7.5	10.5	10.0	10.0
13	18.5	16.0	17.0	12.5	9.5	10.0	9.5	7.0	7.5	10.5	10.0	10.0
14	18.5	15.5	16.5	12.5	10.0	10.0	9.5	7.5	7.5	11.0	9.5	9.5
15	18.5	15.0	16.5	12.0	10.0	10.0	8.5	7.0	7.0	13.0	9.5	10.5
16	18.5	15.5	17.0	12.0	10.5	11.0	8.5	7.0	7.0	13.5	11.0	12.0
17	19.0	16.0	17.0	14.0	11.5	11.5	9.0	7.5	7.5	---	---	13.0
18	18.5	16.0	17.0	14.0	11.5	11.5	8.5	7.0	7.0	---	---	13.5
19	18.5	16.0	16.5	12.0	10.0	10.5	8.5	7.0	7.0	---	---	14.5
20	17.0	15.5	16.0	11.5	10.0	10.0	8.0	7.0	7.0	---	---	14.0
21	17.5	14.5	15.5	13.0	11.0	11.0	8.0	7.0	7.0	---	---	13.0
22	17.5	15.0	16.0	12.0	10.5	10.0	8.0	7.0	7.0	---	---	12.5
23	18.5	16.0	16.5	10.5	8.5	9.0	7.5	6.5	6.5	14.5	11.5	12.5
24	19.0	16.5	17.0	10.5	8.5	9.0	7.5	6.5	6.5	14.0	11.0	12.0
25	19.5	16.5	17.5	11.0	10.5	10.5	8.0	7.0	7.0	13.5	10.5	12.0
26	20.0	17.0	17.5	13.5	7.5	10.0	7.5	6.5	6.5	14.0	10.5	12.0
27	19.5	17.0	17.5	14.0	11.5	12.5	7.5	6.5	6.5	13.0	10.5	11.5
28	19.5	17.0	17.5	14.0	11.5	12.0	7.5	6.5	6.5	11.5	10.5	11.5
29	19.0	16.5	17.0	13.5	11.5	12.0	8.5	7.5	7.5	12.0	10.5	11.5
30	18.5	16.0	16.0	13.5	11.5	12.0	10.5	8.0	9.0	14.5	11.0	13.0
31	18.0	15.5	16.0	---	---	---	11.0	10.0	10.0	14.5	11.5	13.0
MONTH	---	---	17.5	18.5	7.5	12.0	16.5	6.5	9.0	---	---	12.0

TABLE 1.--Continued

11303500 SAN JOAQUIN RIVER NEAR VERNALIS, CA--Continued

WATER TEMPERATURE (DEG. C)

	FEBRUARY 1986			MARCH 1986			APRIL 1986			MAY 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	14.0	11.5	13.0	16.0	14.5	15.5	18.0	15.5	16.5	18.5	16.5	17.5
2	13.5	11.0	13.0	16.0	14.0	15.5	16.5	14.5	15.5	19.5	15.5	17.5
3	12.5	10.0	12.5	16.0	14.0	15.5	16.0	14.0	15.0	17.5	15.0	17.0
4	13.5	10.5	12.5	16.0	14.5	15.0	16.0	14.0	15.0	18.0	14.0	16.5
5	12.5	9.5	11.5	16.5	14.5	15.5	15.0	14.0	14.5	16.5	14.0	16.0
6	12.5	9.5	11.5	16.0	15.0	15.5	16.0	14.0	15.0	16.0	14.0	15.5
7	12.0	9.0	11.0	15.5	15.0	15.5	15.0	14.5	14.5	16.0	13.5	15.5
8	12.0	8.5	10.5	16.5	13.5	15.0	16.0	14.0	15.0	17.5	14.5	16.5
9	11.5	8.0	10.5	14.0	11.5	13.5	16.5	15.0	15.5	18.5	15.5	17.5
10	12.0	7.0	10.5	14.0	11.0	12.5	18.0	15.5	16.5	19.0	15.5	18.0
11	10.5	8.0	10.0	14.0	11.5	13.0	18.0	16.0	17.0	19.5	15.0	17.5
12	10.5	8.5	10.5	14.0	12.0	13.5	18.0	15.0	16.5	21.0	15.0	18.5
13	13.0	10.0	12.5	13.0	11.0	12.5	17.0	15.0	15.5	22.0	16.0	19.0
14	14.5	12.0	13.5	14.0	12.0	13.0	16.5	14.0	15.5	20.5	17.5	19.0
15	14.5	11.0	13.0	12.5	9.0	11.0	16.0	14.5	15.0	21.0	17.0	19.0
16	13.0	11.5	13.0	12.0	10.5	11.0	15.5	14.5	14.5	22.0	17.5	20.0
17	13.5	12.0	13.5	13.0	11.0	11.5	16.0	14.5	15.0	24.0	17.5	21.0
18	---	---	13.5	13.5	11.0	12.0	16.5	15.0	15.5	24.0	18.0	21.0
19	---	---	14.0	14.0	12.0	13.0	18.0	15.5	16.5	21.5	17.5	20.0
20	---	---	14.0	15.0	12.5	13.5	19.5	16.5	18.0	21.0	17.0	19.5
21	---	---	14.0	15.5	13.5	14.5	20.5	18.0	19.0	20.0	16.0	18.5
22	---	---	14.0	16.5	14.0	15.0	21.0	19.0	19.5	20.5	16.0	18.5
23	---	---	14.0	16.0	14.5	15.0	20.5	19.0	19.0	20.0	15.5	18.0
24	---	---	14.5	16.0	14.5	15.0	20.0	18.0	18.5	21.5	14.5	19.0
25	---	---	15.0	16.0	14.0	15.0	19.0	17.5	17.5	23.5	16.5	20.5
26	---	---	15.5	16.5	14.5	15.5	18.5	17.0	17.5	23.5	18.0	22.0
27	---	---	15.5	17.0	15.0	16.0	18.5	16.5	17.5	22.5	18.5	21.5
28	---	---	15.5	17.5	15.5	16.5	19.0	17.5	18.0	22.5	19.0	21.5
29	---	---	---	18.0	16.5	17.0	18.5	17.0	17.5	22.5	19.0	22.0
30	---	---	---	18.0	16.5	17.0	19.5	16.0	18.0	23.0	19.5	22.0
31	---	---	---	18.0	16.0	16.5	---	---	---	22.5	19.5	22.0
MONTH	---	---	13.0	18.0	9.0	14.5	21.0	14.0	16.5	24.0	13.5	19.0

	JUNE 1986			JULY 1986			AUGUST 1986			SEPTEMBER 1986		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	22.0	19.0	21.5	23.5	19.5	21.0	26.5	22.0	24.0	22.0	18.0	20.0
2	21.5	19.0	21.5	24.0	20.5	22.5	26.5	22.0	24.5	22.0	18.5	20.0
3	21.0	18.0	21.0	24.5	20.5	22.5	26.5	22.0	24.0	22.0	18.5	20.0
4	21.0	18.0	21.0	23.0	19.5	21.5	25.5	21.5	23.5	22.0	18.5	20.5
5	22.0	18.0	20.0	23.0	20.0	21.5	25.5	22.0	23.5	22.5	19.0	20.5
6	19.5	16.5	18.0	22.5	19.0	20.5	24.5	20.5	22.5	22.5	19.0	20.5
7	20.5	16.0	18.5	23.0	18.5	20.5	24.5	20.5	22.5	22.0	18.0	19.5
8	22.5	17.5	20.0	23.5	18.5	21.0	24.5	19.5	22.0	21.0	17.5	19.0
9	20.5	17.0	19.0	23.5	18.5	21.0	24.5	19.0	21.5	20.0	16.5	18.0
10	21.5	18.5	20.0	24.0	18.5	21.5	24.5	18.5	21.5	20.0	16.5	18.0
11	20.5	18.5	19.5	25.0	19.5	22.5	23.5	18.5	21.5	19.5	16.0	17.5
12	21.0	18.0	19.5	26.0	20.0	23.0	23.5	20.0	22.0	19.0	16.0	17.0
13	21.0	18.5	20.0	26.0	20.5	23.5	23.5	20.0	21.5	18.0	15.5	16.5
14	20.5	18.5	20.0	26.5	20.5	23.5	23.0	20.0	21.5	17.5	14.5	16.0
15	20.5	18.5	19.5	25.5	20.5	23.0	22.5	19.5	21.0	17.5	14.5	16.0
16	20.0	17.5	19.0	24.0	19.0	21.5	21.5	18.5	20.0	18.0	15.0	16.0
17	19.5	17.5	18.5	24.0	18.5	21.0	21.5	18.0	20.0	17.5	14.0	15.0
18	19.0	17.0	18.0	23.5	18.0	20.5	22.0	18.0	20.0	16.5	13.0	14.5
19	20.0	17.0	18.5	24.5	18.0	21.0	21.5	19.0	20.5	16.0	13.5	14.5
20	20.5	17.0	19.0	26.0	18.0	22.5	21.0	18.5	19.5	17.0	13.0	14.5
21	22.0	17.5	20.0	26.0	20.0	23.0	21.0	17.5	19.5	17.0	13.0	15.0
22	23.5	19.0	21.5	24.5	21.0	22.5	21.5	17.5	19.0	17.5	13.5	15.5
23	24.0	20.0	22.0	25.0	21.0	22.5	20.5	17.5	19.0	17.5	14.5	15.5
24	24.0	20.5	22.5	24.5	20.5	22.5	21.0	18.0	19.5	---	---	15.0
25	24.0	20.5	22.5	24.5	19.5	22.0	21.0	18.0	19.5	---	---	15.5
26	23.5	20.5	22.0	25.0	19.0	22.0	22.0	18.0	19.5	---	---	15.0
27	23.0	20.0	21.5	24.5	19.0	22.0	21.5	18.0	20.0	---	---	15.0
28	22.5	19.5	21.0	24.5	18.5	21.5	21.0	18.0	19.5	---	---	15.0
29	22.5	19.0	20.5	24.0	19.0	21.5	21.0	17.5	19.0	---	---	15.0
30	22.5	19.0	21.0	25.0	20.0	23.0	20.5	17.5	19.0	---	---	15.5
31	---	---	---	26.0	21.0	23.5	21.0	17.5	19.5	---	---	---
MONTH	24.0	16.0	20.0	26.5	18.0	22.0	26.5	17.5	21.0	---	---	17.0

TABLE 1.--Continued

11303500 SAN JOAQUIN RIVER NEAR VERNALIS, CA--Continued

WATER TEMPERATURE (DEG. C)

	OCTOBER 1986			NOVEMBER 1986			DECEMBER 1986			JANUARY 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	15.0	17.0	14.0	15.5	12.5	9.0	10.5	10.0	8.5	9.5
2	---	---	15.0	17.0	13.5	15.0	11.5	9.0	10.0	10.0	9.0	9.5
3	---	---	15.0	16.5	12.5	14.5	12.0	9.0	10.5	10.0	9.5	10.0
4	---	---	15.0	16.5	12.5	14.5	11.0	9.5	10.0	12.0	9.5	10.5
5	---	---	15.5	15.5	12.5	14.0	11.0	10.0	10.5	13.0	9.5	10.5
6	---	---	16.0	15.0	12.0	13.5	12.5	9.5	11.0	10.5	9.0	10.0
7	18.5	---	16.5	14.0	11.0	12.5	12.5	9.5	10.5	12.5	9.5	10.5
8	18.5	14.0	16.0	14.0	11.0	12.0	11.5	8.5	9.5	11.0	7.5	9.0
9	19.0	14.0	16.5	13.5	10.0	11.5	11.0	8.0	9.5	10.5	8.0	9.0
10	18.5	14.0	16.0	13.5	10.0	11.5	9.5	8.0	8.5	8.5	7.5	8.0
11	18.0	13.5	15.5	14.0	9.5	11.5	8.5	8.0	8.0	8.5	7.5	8.0
12	17.5	13.0	15.0	14.0	9.5	11.5	8.0	7.0	7.5	8.5	7.5	8.0
13	18.0	13.0	15.5	14.0	9.5	11.5	9.0	7.0	7.5	11.0	7.0	8.5
14	19.0	13.5	16.0	13.5	10.0	11.5	8.0	7.5	8.0	10.5	7.0	8.0
15	19.5	13.5	16.5	14.0	10.5	12.0	7.5	6.5	7.0	9.5	6.0	7.5
16	18.0	14.0	15.5	14.0	10.0	11.5	11.0	6.5	8.0	8.5	5.0	6.5
17	17.5	13.0	15.0	12.5	6.0	10.0	11.0	7.0	8.5	8.5	4.0	6.0
18	18.0	13.0	15.5	16.5	7.5	11.5	9.5	7.5	8.5	8.5	4.5	6.0
19	18.5	13.0	15.5	17.0	11.0	13.5	10.0	8.5	9.0	10.5	5.5	7.5
20	19.0	13.5	16.0	15.5	5.5	11.0	12.0	9.0	10.0	10.0	6.0	7.5
21	17.5	14.0	15.5	16.0	12.0	14.0	9.5	7.5	8.5	9.5	6.0	7.5
22	18.5	15.5	16.5	15.5	12.5	14.0	8.5	7.5	8.0	8.5	6.5	7.5
23	17.0	15.5	16.0	15.5	12.5	13.5	11.5	8.5	9.5	10.5	7.0	8.5
24	18.5	15.5	17.0	15.0	11.5	13.0	11.0	7.5	9.0	10.0	8.0	9.0
25	19.5	15.5	17.5	14.5	11.5	13.0	10.0	7.5	8.5	12.5	9.0	10.5
26	20.5	15.5	18.0	13.5	10.0	11.5	9.0	7.0	8.0	10.5	9.0	10.0
27	19.5	16.0	18.0	14.0	10.0	11.5	8.5	7.5	8.0	10.5	9.5	10.0
28	17.5	16.5	17.0	11.5	10.5	11.0	8.5	8.0	8.0	11.5	9.0	10.5
29	18.0	15.0	16.5	13.0	10.0	11.5	10.0	7.5	8.5	12.0	9.0	10.5
30	18.5	15.5	16.5	12.5	10.0	11.0	9.0	7.5	8.5	12.0	9.0	10.5
31	17.5	15.0	16.0	---	---	---	9.5	8.0	9.0	12.5	9.0	10.5
MONTH	---	---	16.0	17.0	5.5	12.5	12.5	6.5	9.0	13.0	4.0	9.0

	FEBRUARY 1987			MARCH 1987		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
1	11.5	8.5	10.0	12.5	9.0	11.0
2	10.5	9.5	9.5	13.5	10.0	12.0
3	11.5	9.0	10.0	14.5	11.0	12.5
4	12.5	7.5	10.0	13.5	10.5	12.5
5	13.5	8.5	10.5	11.5	10.5	11.0
6	12.0	7.5	10.0	14.0	11.0	12.0
7	12.5	9.0	10.5	14.0	11.0	12.5
8	12.5	10.0	11.0	13.5	11.5	12.0
9	12.5	10.5	11.5	15.0	11.5	13.0
10	14.0	11.0	12.5	14.0	11.5	12.5
11	14.0	11.5	13.0	15.5	12.0	14.0
12	12.5	10.5	11.5	16.5	13.0	14.5
13	14.0	11.0	12.0	16.5	13.0	14.5
14	12.0	10.5	11.5	14.0	11.5	13.0
15	13.5	10.0	11.5	14.5	11.5	13.0
16	13.0	10.0	11.5	15.0	11.5	13.0
17	13.0	9.5	11.0	15.5	11.5	13.5
18	13.0	9.5	11.0	14.5	12.0	13.0
19	12.5	9.0	10.5	14.0	10.5	12.0
20	12.0	8.5	10.5	13.0	9.5	11.5
21	11.0	8.5	9.5	12.5	8.5	11.0
22	12.0	8.0	10.0	13.5	10.0	12.0
23	11.5	8.5	9.5	12.0	9.0	11.0
24	11.0	7.0	9.0	13.5	10.0	12.0
25	11.5	8.5	10.0	14.5	11.0	13.0
26	11.5	8.0	9.5	16.0	11.0	13.5
27	12.0	8.0	10.0	16.0	12.5	14.0
28	12.5	9.0	10.5	16.0	12.0	14.0
29	---	---	---	16.5	12.0	14.5
30	---	---	---	17.5	13.0	15.5
31	---	---	---	18.0	14.0	16.0
MONTH	14.0	7.0	10.5	18.0	8.5	13.0

TABLE 2.--WATER-QUALITY RECORDS AT MISCELLANEOUS SURFACE-WATER SITES

SAN JOAQUIN RIVER BASIN

[Water-quality data in this table are separated into three groups--physical properties, major constituents, nutrients, and sediment; trace-elements; and pesticides and volatile organic compounds]

PHYSICAL PROPERTIES, MAJOR CONSTITUENTS, NUTRIENTS, AND SEDIMENT

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L AS CACO3)	CALCIUM, DIS-SOLVED (MG/L AS CA)
11260800 BEAR CREEK NEAR STEVINSON										
SEP 1985 24...	0930	239	148	7.3	20.5	760	7.2	46	0	11
364400120202600 FRESNO SLOUGH AT STATE HIGHWAY 180										
SEP 1985 26...	1430	0.0	609	8.6	23.0	760	8.6	160	56	36
364712120230400 DELTA MENDOTA CANAL AT BASS AVENUE										
SEP 1985 26...	0845	1820	584	8.2	22.0	760	8.2	110	27	20
364718120221800 SAN JOAQUIN RIVER BELOW MENDOTA POOL, AT BASS AVENUE										
SEP 1985 26...	1200	292	587	8.1	22.0	760	8.6	120	30	20
365016120261300 FIREBAUGH WASTEWAY AT HELM CANAL ROAD										
SEP 1985 25...	1330	0.0	726	8.3	23.0	760	8.5	160	48	36
365130120265200 SAN JOAQUIN RIVER AT FIREBAUGH BRIDGE										
SEP 1985 25...	1615	286	552	8.2	24.0	760	8.3	120	32	23
365912120300000 SAN JOAQUIN RIVER ABOVE POSO CANAL TAKEOUT, AT TEMPLE SLOUGH										
SEP 1985 25...	1050	0.0	585	8.0	22.0	760	8.7	130	33	26
365940120300000 SAN JOAQUIN RIVER NEAR DOS PALOS GAGING STATION										
SEP 1985 26...	0830	5.3	707	7.7	21.5	755	4.7	140	64	28
370318120325400 SAN JOAQUIN RIVER AT SANTA RITA BRIDGE, AT STATE HIGHWAY 152										
SEP 1985 25...	0745	0.0	698	7.8	22.0	760	8.7	130	21	25
370515120321600 SAN JOAQUIN RIVER BELOW DOS PALOS										
SEP 1985 26...	1115	12	680	7.8	23.5	756	5.9	150	43	32
370635120350400 SAN JOAQUIN RIVER AT WASHINGTON ROAD BRIDGE										
SEP 1985 24...	1410	0.0	676	8.6	24.5	761	8.4	160	44	35

TABLE 2.--Continued

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, CARBONATE IT-FLD (MG/L AS CACO3)	CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)	SULFATE, DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)
11260800 BEAR CREEK NEAR STEVINSON										
SEP 1985 24...	4.5	14	38	0.9	2.4	61	5.9	9.6	7.1	<0.1
364400120202600 FRESNO SLOUGH AT STATE HIGHWAY 180										
SEP 1985 26...	17	78	51	3	4.4	104	0.5	65	110	0.2
364712120230400 DELTA MENDOTA CANAL AT BASS AVENUE										
SEP 1985 26...	15	74	58	3	3.4	84	1.0	36	120	0.1
364718120221800 SAN JOAQUIN RIVER BELOW MENDOTA POOL, AT BASS AVENUE										
SEP 1985 26...	16	74	57	3	3.5	86	1.3	34	110	0.2
365016120261300 FIREBAUGH WASTEWAY AT HELM CANAL ROAD										
SEP 1985 25...	18	84	52	3	3.6	116	1.1	68	120	0.2
365130120265200 SAN JOAQUIN RIVER AT FIREBAUGH BRIDGE										
SEP 1985 25...	15	65	53	3	3.4	88	1.1	38	93	0.1
365912120300000 SAN JOAQUIN RIVER ABOVE POSO CANAL TAKEOUT, AT TEMPLE SLOUGH										
SEP 1985 25...	16	67	52	3	3.3	97	1.9	49	93	0.1
365940120300000 SAN JOAQUIN RIVER NEAR DOS PALOS GAGING STATION										
SEP 1985 26...	16	73	53	3	3.3	72	2.8	49	110	0.1
370318120325400 SAN JOAQUIN RIVER AT SANTA RITA BRIDGE, AT STATE HIGHWAY 152										
SEP 1985 25...	16	75	55	3	3.5	107	3.3	49	95	0.1
370515120321600 SAN JOAQUIN RIVER BELOW DOS PALOS										
SEP 1985 26...	16	76	52	3	3.3	103	3.2	55	120	0.1
370635120350400 SAN JOAQUIN RIVER AT WASHINGTON ROAD BRIDGE										
SEP 1985 24...	17	77	51	3	3.0	113	0.5	53	120	0.2

TABLE 2.--Continued

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, AMMONIA, DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA, DIS-SOLVED (MG/L AS NH4)	NITRO-GEN,AM-MONIA + ORGANIC, DIS. (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC, TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3, DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
11260800 BEAR CREEK NEAR STEVINSON										
SEP 1985 24...	14	133	0.18	--	0.12	0.15	--	0.90	0.31	0.24
364400120202600 FRESNO SLOUGH AT STATE HIGHWAY 180										
SEP 1985 26...	18	399	0.54	0.0	0.15	0.19	--	1.4	<0.10	0.23
364712120230400 DELTA MENDOTA CANAL AT BASS AVENUE										
SEP 1985 26...	15	316	0.43	1550	0.02	0.03	--	0.50	0.30	0.16
364718120221800 SAN JOAQUIN RIVER BELOW MENDOTA POOL, AT BASS AVENUE										
SEP 1985 26...	15	322	0.44	254	0.02	0.03	0.40	0.50	0.30	0.14
365016120261300 FIREBAUGH WASTEWAY AT HELM CANAL ROAD										
SEP 1985 25...	13	414	0.56	0.0	0.07	0.09	--	0.70	0.20	0.24
365130120265200 SAN JOAQUIN RIVER AT FIREBAUGH BRIDGE										
SEP 1985 25...	16	304	0.41	235	0.03	0.04	--	0.40	0.41	0.15
365912120300000 SAN JOAQUIN RIVER ABOVE POSO CANAL TAKEOUT, AT TEMPLE SLOUGH										
SEP 1985 25...	16	330	0.45	0.0	0.03	0.04	--	0.60	0.55	0.16
365940120300000 SAN JOAQUIN RIVER NEAR DOS PALOS GAGING STATION										
SEP 1985 26...	17	327	0.44	4.7	0.03	0.04	--	0.40	0.19	0.10
370318120325400 SAN JOAQUIN RIVER AT SANTA RITA BRIDGE, AT STATE HIGHWAY 152										
SEP 1985 25...	16	342	0.47	0.0	0.06	0.08	--	0.70	0.32	0.13
370515120321600 SAN JOAQUIN RIVER BELOW DOS PALOS										
SEP 1985 26...	15	366	0.50	11	0.04	0.05	--	0.70	<0.10	0.04
370635120350400 SAN JOAQUIN RIVER AT WASHINGTON ROAD BRIDGE										
SEP 1985 24...	17	385	0.52	0.0	0.04	0.05	--	0.70	<0.10	0.14

TABLE 2.--Continued

DATE	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP., SIEVE DIAM. % FINER THAN 0.062 MM	CHLOR-A PHYTO-PLANK-TON, CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON, CHROMO FLUOROM (UG/L)	CARBON, ORGANIC, TOTAL (MG/L AS C)
11260800 BEAR CREEK NEAR STEVINSON									
SEP 1985 24...	0.17	0.15	0.74	79	--	96	5.00	0.90	5.3
364400120202600 FRESNO SLOUGH AT STATE HIGHWAY 180									
SEP 1985 26...	0.04	0.03	0.71	35	0.0	99	12.0	2.3	6.2
364712120230400 DELTA MENDOTA CANAL AT BASS AVENUE									
SEP 1985 26...	0.09	0.08	0.49	64	314	98	1.60	0.10	2.6
364718120221800 SAN JOAQUIN RIVER BELOW MENDOTA POOL, AT BASS AVENUE									
SEP 1985 26...	0.09	0.08	0.43	48	38	99	1.60	0.20	2.8
365016120261300 FIREBAUGH WASTEWAY AT HELM CANAL ROAD									
SEP 1985 25...	0.10	0.10	0.74	102	0.0	98	2.40	0.20	3.6
365130120265200 SAN JOAQUIN RIVER AT FIREBAUGH BRIDGE									
SEP 1985 25...	0.10	0.09	0.46	36	28	97	3.00	0.30	2.5
365912120300000 SAN JOAQUIN RIVER ABOVE POSO CANAL TAKEOUT, AT TEMPLE SLOUGH									
SEP 1985 25...	0.10	0.10	0.49	43	0.0	93	3.30	0.30	2.9
365940120300000 SAN JOAQUIN RIVER NEAR DOS PALOS GAGING STATION									
SEP 1985 26...	0.09	0.07	0.31	5	0.07	89	0.600	<0.10	2.6
370318120325400 SAN JOAQUIN RIVER AT SANTA RITA BRIDGE, AT STATE HIGHWAY 152									
SEP 1985 25...	0.07	0.06	0.40	91	0.0	98	37.0	21	3.7
370515120321600 SAN JOAQUIN RIVER BELOW DOS PALOS									
SEP 1985 26...	0.02	0.02	0.12	12	0.38	93	3.10	0.40	3.4
370635120350400 SAN JOAQUIN RIVER AT WASHINGTON ROAD BRIDGE									
SEP 1985 24...	0.08	0.07	0.43	26	0.0	89	6.70	1.8	4.5

TABLE 2.--Continued

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L AS CACO3)	CALCIUM, DIS-SOLVED (MG/L AS CA)
370822120433500 SAN JOAQUIN RIVER AT TURNER ISLAND, AT ERRECA ROAD										
SEP 1985 24...	1115	0.0	839	8.0	21.5	760	7.2	200	67	46
370936120483000 SALT SLOUGH AT SAN LUIS RANCH										
SEP 1985 24...	0815	144	176	8.2	20.5	764	6.7	49	0	12
371025120453800 SAN JOAQUIN RIVER ABOVE MARIPOSA BYPASS										
SEP 1985 25...	1100	0.0	1270	7.6	22.5	757	5.4	290	70	69
371046120445900 SAN JOAQUIN RIVER NEAR SALT SLOUGH TAKEOUT										
SEP 1985 25...	1330	0.0	1190	7.2	23.5	756	5.5	270	67	64
371306120593000 GARZAS CREEK NEAR HUNT AVENUE										
SEP 1985 27...	0745	143	828	8.3	20.5	760	9.0	180	60	37
371317120464600 MARIPOSA BYPASS-SLOUGH										
SEP 1985 24...	1700	7.2	1100	7.7	24.0	757	7.0	230	57	49
371354120541700 SANTA FE CANAL AT GUN CLUB ROAD										
SEP 1985 26...	1445	9.4	840	8.2	26.5	756	10.1	170	33	32
371444120563200 LOS BANOS CREEK AT SANTA FE GRADE										
SEP 1985 26...	1630	11	727	8.2	25.0	755	8.6	170	43	34
36120494200 SAN JOAQUIN RIVER ABOVE BEAR CREEK										
SEP 1985 24...	1330	2.0	1010	8.6	24.0	760	9.1	230	63	48
371636120575200 LOS BANOS CREEK AT STATE HIGHWAY 140										
SEP 1985 25...	1700	0.40	951	8.3	27.5	754	7.8	200	22	37

TABLE 2.--Continued

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, CARBONATE IT-FLD (MG/L AS CACO3)	CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)	SULFATE, DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)
370822120433500 SAN JOAQUIN RIVER AT TURNER ISLAND, AT ERRECA ROAD										
SEP 1985 24...	21	93	49	3	4.1	134	2.6	79	140	0.2
370936120483000 SALT SLOUGH AT SAN LUIS RANCH										
SEP 1985 24...	4.7	14	36	0.9	4.5	144	1.7	130	170	0.2
371025120453800 SAN JOAQUIN RIVER ABOVE MARIPOSA BYPASS										
SEP 1985 25...	29	140	50	4	6.1	222	11	88	210	0.3
371046120445900 SAN JOAQUIN RIVER NEAR SALT SLOUGH TAKEOUT										
SEP 1985 25...	27	130	50	4	6.0	204	25	95	190	0.3
371306120593000 GARZAS CREEK NEAR HUNT AVENUE										
SEP 1985 27...	21	100	54	3	4.3	119	1.1	120	110	0.1
371317120464600 MARIPOSA BYPASS-SLOUGH										
SEP 1985 24...	26	130	55	4	4.8	172	6.6	100	180	0.4
371354120541700 SANTA FE CANAL AT GUN CLUB ROAD										
SEP 1985 26...	22	110	58	4	3.9	138	1.7	79	140	0.2
371444120563200 LOS BANOS CREEK AT SANTA FE GRADE										
SEP 1985 26...	21	90	53	3	4.6	128	1.6	80	120	0.2
371636120494200 SAN JOAQUIN RIVER ABOVE BEAR CREEK										
SEP 1985 24...	26	120	53	4	4.4	164	0.8	86	170	0.3
371636120575200 LOS BANOS CREEK AT STATE HIGHWAY 140										
SEP 1985 25...	25	110	54	4	5.8	--	1.7	130	170	0.2

TABLE 2.--Continued

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, AMMONIA, DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA, DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, AM-MONIA + ORGANIC, TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3, DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
370822120433500 SAN JOAQUIN RIVER AT TURNER ISLAND, AT ERRECA ROAD									
SEP 1985 24...	20	490	0.67	0.0	0.12	0.15	1.4	1.2	0.32
370936120483000 SALT SLOUGH AT SAN LUIS RANCH									
SEP 1985 24...	15	608	0.83	236	0.09	0.12	1.1	1.1	0.33
371025120453800 SAN JOAQUIN RIVER ABOVE MARIPOSA BYPASS									
SEP 1985 25...	5.8	702	0.95	0.0	0.08	0.10	0.80	<0.10	0.05
371046120445900 SAN JOAQUIN RIVER NEAR SALT SLOUGH TAKEOUT									
SEP 1985 25...	12	654	0.89	0.0	0.08	0.10	0.90	<0.10	0.20
371306120593000 GARZAS CREEK NEAR HUNT AVENUE									
SEP 1985 27...	17	494	0.67	191	0.09	0.12	0.70	1.8	0.22
371317120464600 MARIPOSA BYPASS-SLOUGH									
SEP 1985 24...	19	636	0.86	12	0.31	0.40	2.1	1.5	0.28
371354120541700 SANTA FE CANAL AT GUN CLUB ROAD									
SEP 1985 26...	19	477	0.65	12	0.04	0.05	0.80	0.44	0.22
371444120563200 LOS BANOS CREEK AT SANTA FE GRADE									
SEP 1985 26...	16	438	0.60	13	0.06	0.08	1.3	0.37	0.31
371636120494200 SAN JOAQUIN RIVER ABOVE BEAR CREEK									
SEP 1985 24...	13	578	0.79	3.1	0.11	0.14	1.8	<0.10	0.16
371636120575200 LOS BANOS CREEK AT STATE HIGHWAY 140									
SEP 1985 25...	13	554	0.75	0.60	0.09	0.12	1.2	0.36	0.29

TABLE 2.--Continued

DATE	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP., SIEVE DIAM. % FINER THAN 0.062 MM	CHLOR-A PHYTOPLANKTON, CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON, CHROMO FLUOROM (UG/L)	CARBON, ORGANIC, TOTAL (MG/L AS C)
370822120433500 SAN JOAQUIN RIVER AT TURNER ISLAND, AT ERRECA ROAD									
SEP 1985 24...	0.18	0.16	0.98	134	0.0	97	8.30	1.3	5.5
370936120483000 SALT SLOUGH AT SAN LUIS RANCH									
SEP 1985 24...	0.14	0.12	1.0	149	58	97	8.30	0.50	4.6
371025120453800 SAN JOAQUIN RIVER ABOVE MARIPOSA BYPASS									
SEP 1985 25...	0.02	<0.01	0.15	42	0.0	91	10.0	3.3	5.8
371046120445900 SAN JOAQUIN RIVER NEAR SALT SLOUGH TAKEOUT									
SEP 1985 25...	0.06	0.04	0.61	38	0.0	96	16.0	5.1	5.9
371306120593000 GARZAS CREEK NEAR HUNT AVENUE									
SEP 1985 27...	0.14	0.13	0.67	153	59	82	2.80	0.20	4.7
371317120464600 MARIPOSA BYPASS-SLOUGH									
SEP 1985 24...	0.14	0.11	0.86	115	2.2	98	20.0	2.1	8.9
371354120541700 SANTA FE CANAL AT GUN CLUB ROAD									
SEP 1985 26...	0.09	0.08	0.67	157	4.0	100	39.0	5.6	6.0
371444120563200 LOS BANOS CREEK AT SANTA FE GRADE									
SEP 1985 26...	0.13	0.10	0.95	98	3.0	98	25.0	3.5	5.1
371636120494200 SAN JOAQUIN RIVER ABOVE BEAR CREEK									
SEP 1985 24...	0.02	<0.01	0.49	51	0.28	96	48.0	6.4	9.5
371636120575200 LOS BANOS CREEK AT STATE HIGHWAY 140									
SEP 1985 25...	0.15	0.13	0.89	75	0.08	99	12.0	1.7	6.1

TABLE 2.--Continued

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, WATER (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS, (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L AS CACO3)	CALCIUM, DIS-SOLVED (MG/L AS CA)
371730120563300 MUD SLOUGH AT STATE HIGHWAY 140										
SEP 1985 27...	0800	0.0	2780	8.4	20.5	757	5.6	530	300	89
371903120585400 NEWMAN WASTEWAY NEAR SEWAGE TREATMENT PLANT										
SEP 1985 23...	1645	15	1000	8.0	24.0	760	6.6	260	93	53
372236121032400 ORESTIMBA CREEK AT STATE HIGHWAY 33										
SEP 1985 23...	1700	71	508	8.3	24.5	757	8.5	190	47	40
373048121093000 DEL PUERTO CREEK AT STATE HIGHWAY 33										
SEP 1985 27...	1000	0.10	853	8.8	19.0	760	9.0	180	54	33
373204121101800 WESTLY WASTEWAY AT STATE HIGHWAY 33										
SEP 1985 23...	1300	0.67	514	10.3	29.0	761	10.4	65	25	17
373612121070000 TUOLUMNE RIVER AT SHILOH BRIDGE										
SEP 1985 24...	1630	--	346	7.8	24.5	758	8.5	100	0	24
373747121125200 INGRAM CREEK AT RIVER ROAD										
SEP 1985 23...	1400	0.44	1540	8.3	24.0	759	12.6	440	200	100
373842121131800 HOSPITAL CREEK AT RIVER ROAD										
SEP 1985 23...	0910	6.4	838	8.1	17.5	762	9.4	190	47	40
374034121171100 JERUSALEM WASTEWAY AT KASSON ROAD										
SEP 1985 23...	0900	4.7	1250	7.7	19.5	758	6.4	280	86	56
374200121101200 STANISLAUS RIVER AT KOETITZ RANCH										
SEP 1985 23...	1315	--	194	7.7	20.0	760	8.7	53	0	13

TABLE 2.--Continued

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, CARBONATE IT-FLD (MG/L AS CACO3)	CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)	SULFATE, DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)
371730120563300 MUD SLOUGH AT STATE HIGHWAY 140										
SEP 1985 27...	75	430	64	8	4.8	231	1.8	600	410	0.3
371903120585400 NEWMAN WASTEWAY NEAR SEWAGE TREATMENT PLANT										
SEP 1985 23...	31	99	45	3	5.7	167	3.2	110	150	0.2
372236121032400 ORESTIMBA CREEK AT STATE HIGHWAY 33										
SEP 1985 23...	22	85	49	3	3.7	--	1.4	78	130	0.2
373048121093000 DEL PUERTO CREEK AT STATE HIGHWAY 33										
SEP 1985 27...	23	110	57	4	4.5	123	0.4	100	130	0.2
373204121101800 WESTLY WASTEWAY AT STATE HIGHWAY 33										
SEP 1985 23...	5.4	67	68	4	3.3	40	--	38	100	0.2
373612121070000 TUOLUMNE RIVER AT SHILOH BRIDGE										
SEP 1985 24...	10	30	38	1	3.6	102	3.1	12	28	0.1
373747121125200 INGRAM CREEK AT RIVER ROAD										
SEP 1985 23...	46	210	51	4	2.4	241	2.3	240	290	0.3
373842121131800 HOSPITAL CREEK AT RIVER ROAD										
SEP 1985 23...	23	97	51	3	4.7	148	2.3	89	120	0.2
374034121171100 JERUSALEM WASTEWAY AT KASSON ROAD										
SEP 1985 23...	34	170	56	5	8.9	194	7.5	170	210	0.3
374200121101200 STANISLAUS RIVER AT KOETITZ RANCH										
SEP 1985 23...	5.1	7.0	21	0.4	2.2	56	2.2	7.6	3.6	<0.1

TABLE 2.--Continued

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, AMMONIA, DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA, DIS-SOLVED (MG/L AS NH4)	NITRO-GEN, AM-MONIA + ORGANIC, TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3, DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
371730120563300 MUD SLOUGH AT STATE HIGHWAY 140									
SEP 1985 27...	16	1830	2.5	0.0	0.08	0.10	2.0	<0.10	0.32
371903120585400 NEWMAN WASTEWAY NEAR SEWAGE TREATMENT PLANT									
SEP 1985 23...	20	577	0.78	24	0.42	0.54	1.9	2.5	0.29
372236121032400 ORESTIMBA CREEK AT STATE HIGHWAY 33									
SEP 1985 23...	16	444	0.60	0.0	0.11	0.14	0.8	1.3	0.16
373048121093000 DEL PUERTO CREEK AT STATE HIGHWAY 33									
SEP 1985 27...	10	554	0.75	0.15	0.09	0.12	1.0	<0.10	0.38
373204121101800 WESTLY WASTEWAY AT STATE HIGHWAY 33									
SEP 1985 23...	7.7	254	0.35	0.46	0.03	0.04	0.5	<0.10	0.04
373612121070000 TUOLUMNE RIVER AT SHILOH BRIDGE									
SEP 1985 24...	28	281	0.38	0.0	0.08	0.10	0.7	1.5	0.24
373747121125200 INGRAM CREEK AT RIVER ROAD									
SEP 1985 23...	22	1150	1.6	1.4	0.18	0.23	1.1	0.11	0.23
373842121131800 HOSPITAL CREEK AT RIVER ROAD									
SEP 1985 23...	16	496	0.67	8.6	0.08	0.10	1.3	1.7	0.65
374034121171100 JERUSALEM WASTEWAY AT KASSON ROAD									
SEP 1985 23...	18	853	1.2	11	0.23	0.30	2.6	9.9	0.35
374200121101200 STANISLAUS RIVER AT KOETITZ RANCH									
SEP 1985 23...	16	85	0.12	0.0	0.08	0.10	0.4	0.74	0.08

TABLE 2.--Continued

DATE	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, TOTAL (MG/L AS PO4)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP., SIEVE DIAM. % FINER THAN 0.062 MM	CHLOR-A PHYTO-PLANK-TON, CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON, CHROMO FLUOROM (UG/L)	CARBON, ORGANIC, TOTAL (MG/L AS C)
371730120563300 MUD SLOUGH AT STATE HIGHWAY 140									
SEP 1985 27...	0.04	0.02	0.98	180	0.0	100	50.0	10	14
371903120585400 NEWMAN WASTEWAY NEAR SEWAGE TREATMENT PLANT									
SEP 1985 23...	0.19	0.15	0.89	145	6.0	99	2.50	0.40	2.5
372236121032400 ORESTIMBA CREEK AT STATE HIGHWAY 33									
SEP 1985 23...	0.09	0.09	0.49	118	0.0	93	3.00	0.50	2.7
373048121093000 DEL PUERTO CREEK AT STATE HIGHWAY 33									
SEP 1985 27...	0.35	0.30	1.2	24	0.01	98	0.900	0.20	3.8
373204121101800 WESTLY WASTEWAY AT STATE HIGHWAY 33									
SEP 1985 23...	0.03	0.04	0.12	9	0.02	92	2.70	0.20	4.5
373612121070000 TUOLUMNE RIVER AT SHILOH BRIDGE									
SEP 1985 24...	0.14	0.12	0.74	79	--	72	26.0	<0.10	--
373747121125200 INGRAM CREEK AT RIVER ROAD									
SEP 1985 23...	0.22	0.18	0.71	18	0.02	97	1.60	0.40	4.7
373842121131800 HOSPITAL CREEK AT RIVER ROAD									
SEP 1985 23...	0.26	0.21	2.0	466	0.0	95	6.90	1.0	--
374034121171100 JERUSALEM WASTEWAY AT KASSON ROAD									
SEP 1985 23...	0.34	0.21	1.1	36	0.46	97	26.0	7.5	2.9
374200121101200 STANISLAUS RIVER AT KOETITZ RANCH									
SEP 1985 23...	0.08	0.07	0.25	843	--	3	1.90	<0.10	--

TABLE 2.--Continued

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC, TOTAL (UG/L AS AS)	ARSENIC, DISSOLVED (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BORON, TOTAL RECOVERABLE (UG/L AS B)	BORON, DISSOLVED (UG/L AS B)	CADMIUM, TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM, DISSOLVED (UG/L AS CD)
					TRACE ELEMENTS							
11260800 BEAR CREEK NEAR STEVINSON												
SEP 1985 24...	2000	180	3	2	<100	48	<10	1	20	20	<1	<1
364400120202600 FRESNO SLOUGH AT STATE HIGHWAY 180												
SEP 1985 26...	2300	40	8	6	200	86	<10	<0.5	220	220	<1	<1
364712120230400 DELTA MENDOTA CANAL AT BASS AVENUE												
SEP 1985 26...	1600	20	3	2	<100	46	<10	<0.5	140	140	<1	<1
364718120221800 SAN JOAQUIN RIVER BELOW MENDOTA POOL, AT BASS AVENUE												
SEP 1985 26...	950	<10	3	2	<100	48	<10	<0.5	150	140	<1	<1
365016120261300 FIREBAUGH WASTEWAY AT HELM CANAL ROAD												
SEP 1985 25...	3100	20	4	3	<100	72	<10	<0.5	320	280	<1	<1
365130120265200 SAN JOAQUIN RIVER AT FIREBAUGH BRIDGE												
SEP 1985 25...	1000	20	3	2	<100	48	<10	<0.5	170	160	<1	<1
365912120300000 SAN JOAQUIN RIVER ABOVE POSO CANAL TAKEOUT, AT TEMPLE SLOUGH												
SEP 1985 25...	1300	<10	4	3	<100	57	<10	<0.5	210	190	<1	<1
365940120300000 SAN JOAQUIN RIVER NEAR DOS PALOS GAGING STATION												
SEP 1985 26...	170	20	4	4	<100	52	<10	<0.5	200	190	<1	<1
370318120325400 SAN JOAQUIN RIVER AT SANTA RITA BRIDGE, AT STATE HIGHWAY 152												
SEP 1985 25...	790	20	3	2	100	59	<10	<0.5	210	200	<1	<1
370515120321600 SAN JOAQUIN RIVER BELOW DOS PALOS												
SEP 1985 26...	290	20	3	3	100	72	<10	<0.5	240	220	<1	<1
370635120350400 SAN JOAQUIN RIVER AT WASHINGTON ROAD BRIDGE												
SEP 1985 24...	300	10	11	10	100	79	<10	<0.5	210	200	<1	<1

TABLE 2.--Continued

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LITHIUM, TOTAL RECOVERABLE (UG/L AS LI)	LITHIUM, DISSOLVED (UG/L AS LI)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
11260800 BEAR CREEK NEAR STEVINSON												
SEP 1985 24...	10	<1	6	4	2800	130	<1	<1	<10	<4	80	10
364400120202600 FRESNO SLOUGH AT STATE HIGHWAY 180												
SEP 1985 26...	10	<1	5	4	3600	28	1	<1	20	11	1100	580
364712120230400 DELTA MENDOTA CANAL AT BASS AVENUE												
SEP 1985 26...	9	<1	5	5	2000	17	2	<1	<10	<4	90	<1
364718120221800 SAN JOAQUIN RIVER BELOW MENDOTA POOL, AT BASS AVENUE												
SEP 1985 26...	10	<1	5	2	1400	<3	1	2	<10	<4	70	11
365016120261300 FIREBAUGH WASTEWAY AT HELM CANAL ROAD												
SEP 1985 25...	12	<1	8	4	4100	10	21	<1	20	11	160	72
365130120265200 SAN JOAQUIN RIVER AT FIREBAUGH BRIDGE												
SEP 1985 25...	7	<1	4	2	1300	8	6	<1	<10	5	60	11
365912120300000 SAN JOAQUIN RIVER ABOVE POSO CANAL TAKEOUT, AT TEMPLE SLOUGH												
SEP 1985 25...	11	<1	9	2	1800	3	8	<1	<10	6	120	57
365940120300000 SAN JOAQUIN RIVER NEAR DOS PALOS GAGING STATION												
SEP 1985 26...	7	<1	2	<1	250	24	3	<1	<10	7	140	120
370318120325400 SAN JOAQUIN RIVER AT SANTA RITA BRIDGE, AT STATE HIGHWAY 152												
SEP 1985 25...	<1	<1	3	3	1100	9	<1	<1	<10	8	40	1
370515120321600 SAN JOAQUIN RIVER BELOW DOS PALOS												
SEP 1985 26...	8	<1	1	1	430	22	2	<1	<10	7	140	79
370635120350400 SAN JOAQUIN RIVER AT WASHINGTON ROAD BRIDGE												
SEP 1985 24...	5	<1	2	<1	480	3	7	<1	<10	7	210	28

TABLE 2.--Continued

DATE	MERCURY, TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY, DIS-SOLVED (UG/L AS HG)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
11260800 BEAR CREEK NEAR STEVINSON												
SEP 1985 24...	0.10	<0.1	4	1	9	5	<1	<1	<1	<1	30	<3
364400120202600 FRESNO SLOUGH AT STATE HIGHWAY 180												
SEP 1985 26...	0.20	<0.1	4	3	9	5	<1	<1	<1	<1	30	7
364712120230400 DELTA MENDOTA CANAL AT BASS AVENUE												
SEP 1985 26...	0.10	<0.1	2	<1	9	7	<1	<1	1	<1	30	7
364718120221800 SAN JOAQUIN RIVER BELOW MENDOTA POOL, AT BASS AVENUE												
SEP 1985 26...	0.10	<0.1	3	<1	4	2	<1	<1	<1	1	40	8
365016120261300 FIREBAUGH WASTEWAY AT HELM CANAL ROAD												
SEP 1985 25...	0.20	<0.1	3	<1	14	6	2	1	<1	<1	40	<3
365130120265200 SAN JOAQUIN RIVER AT FIREBAUGH BRIDGE												
SEP 1985 25...	0.10	<0.1	3	<1	10	3	<1	<1	<1	<1	10	3
365912120300000 SAN JOAQUIN RIVER ABOVE POSO CANAL TAKEOUT, AT TEMPLE SLOUGH												
SEP 1985 25...	<0.10	0.1	4	<1	9	4	<1	<1	<1	<1	30	4
365940120300000 SAN JOAQUIN RIVER NEAR DOS PALOS GAGING STATION												
SEP 1985 26...	0.10	0.4	2	<1	8	6	<1	<1	<1	<1	<10	8
370318120325400 SAN JOAQUIN RIVER AT SANTA RITA BRIDGE, AT STATE HIGHWAY 152												
SEP 1985 25...	<0.10	<0.1	4	2	8	3	<1	<1	<1	<1	20	10
370515120321600 SAN JOAQUIN RIVER BELOW DOS PALOS												
SEP 1985 26...	0.20	<0.1	3	<1	6	6	<1	<1	<1	<1	20	7
370635120350400 SAN JOAQUIN RIVER AT WASHINGTON ROAD BRIDGE												
SEP 1985 24...	0.10	<0.1	2	<1	8	4	<1	<1	<1	<1	10	7

TABLE 2.--Continued

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC, TOTAL (UG/L AS AS)	ARSENIC, DISSOLVED (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BORON, TOTAL RECOVERABLE (UG/L AS B)	BORON, DISSOLVED (UG/L AS B)	CADMIUM, TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM, DISSOLVED (UG/L AS CD)
370822120433500 SAN JOAQUIN RIVER AT TURNER ISLAND, AT ERRECA ROAD												
SEP 1985 24...	4300	20	7	5	100	74	<10	<0.5	270	240	<1	<1
370936120483000 SALT SLOUGH AT SAN LUIS RANCH												
SEP 1985 24...	4600	40	6	4	<100	46	<10	<0.5	480	440	<1	<1
371025120453800 SAN JOAQUIN RIVER ABOVE MARIPOSA BYPASS												
SEP 1985 25...	<10	<10	2	2	100	110	<10	<0.5	330	310	<1	<1
371046120445900 SAN JOAQUIN RIVER NEAR SALT SLOUGH TAKEOUT												
SEP 1985 25...	120	10	5	4	100	120	<10	<0.5	300	280	<1	<1
371306120593000 GARZAS CREEK NEAR HUNT AVENUE												
SEP 1985 27...	3600	20	3	3	100	81	<10	<0.5	540	520	<1	<1
371317120464600 MARIPOSA BYPASS-SLOUGH												
SEP 1985 24...	3400	30	8	8	100	58	<10	1	270	260	<1	<1
371354120541700 SANTA FE CANAL AT GUN CLUB ROAD												
SEP 1985 26...	6000	210	5	4	100	57	<10	<0.5	470	450	1	<1
371444120563200 LOS BANOS CREEK AT SANTA FE GRADE												
SEP 1985 26...	3800	30	5	4	100	57	<10	<0.5	400	380	1	<1
371636120494200 SAN JOAQUIN RIVER ABOVE BEAR CREEK												
SEP 1985 24...	930	20	7	6	100	75	<10	0.9	230	200	<1	<1
371636120575200 LOS BANOS CREEK AT STATE HIGHWAY 140												
SEP 1985 25...	2000	20	6	6	100	52	<10	<0.5	650	590	<1	<1

TABLE 2.--Continued

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LITHIUM, TOTAL RECOVERABLE (UG/L AS LI)	LITHIUM, DISSOLVED (UG/L AS LI)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
370822120433500 SAN JOAQUIN RIVER AT TURNER ISLAND, AT ERRECA ROAD												
SEP 1985 24...	13	<1	7	2	5000	19	12	<1	20	13	380	250
370936120483000 SALT SLOUGH AT SAN LUIS RANCH												
SEP 1985 24...	12	<1	9	2	5100	160	9	<1	20	<4	400	7
371025120453800 SAN JOAQUIN RIVER ABOVE MARIPOSA BYPASS												
SEP 1985 25...	8	<1	1	1	550	30	8	<1	10	16	260	180
371046120445900 SAN JOAQUIN RIVER NEAR SALT SLOUGH TAKEOUT												
SEP 1985 25...	4	<1	2	1	750	16	6	<1	10	15	1100	990
371306120593000 GARZAS CREEK NEAR HUNT AVENUE												
SEP 1985 27...	18	<1	9	2	4800	20	<1	1	20	14	100	2
371317120464600 MARIPOSA BYPASS-SLOUGH												
SEP 1985 24...	12	<1	6	2	4300	16	13	<1	20	15	300	3
371354120541700 SANTA FE CANAL AT GUN CLUB ROAD												
SEP 1985 26...	28	1	9	4	6400	200	8	<1	20	9	160	7
371444120563200 LOS BANOS CREEK AT SANTA FE GRADE												
SEP 1985 26...	21	<1	9	2	4900	23	9	<1	10	10	170	25
371636120494200 SAN JOAQUIN RIVER ABOVE BEAR CREEK												
SEP 1985 24...	6	<1	4	2	1400	7	<1	<1	20	12	260	3
371636120575200 LOS BANOS CREEK AT STATE HIGHWAY 140												
SEP 1985 25...	14	<1	6	4	2700	10	8	<1	20	16	90	7

TABLE 2.--Continued

DATE	MERCURY, TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY, DIS-SOLVED (UG/L AS HG)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
370822120433500 SAN JOAQUIN RIVER AT TURNER ISLAND, AT ERRECA ROAD												
SEP 1985 24...	0.20	<0.1	4	1	14	4	<1	<1	<1	<1	30	4
370936120483000 SALT SLOUGH AT SAN LUIS RANCH												
SEP 1985 24...	0.10	<0.1	5	1	17	9	1	<1	<1	<1	40	6
371025120453800 SAN JOAQUIN RIVER ABOVE MARIPOSA BYPASS												
SEP 1985 25...	0.20	0.1	2	<1	7	5	<1	<1	<1	<1	<10	9
371046120445900 SAN JOAQUIN RIVER NEAR SALT SLOUGH TAKEOUT												
SEP 1985 25...	0.10	<0.1	5	<1	5	3	<1	<1	<1	<1	10	7
371306120593000 GARZAS CREEK NEAR HUNT AVENUE												
SEP 1985 27...	0.10	<0.1	4	4	17	3	4	4	<1	<1	20	8
371317120464600 MARIPOSA BYPASS-SLOUGH												
SEP 1985 24...	0.10	0.2	8	6	12	6	<1	<1	<1	<1	30	11
371354120541700 SANTA FE CANAL AT GUN CLUB ROAD												
SEP 1985 26...	0.10	0.2	3	1	26	9	<1	<1	<1	<1	40	7
371444120563200 LOS BANOS CREEK AT SANTA FE GRADE												
SEP 1985 26...	0.20	<0.1	4	<1	22	6	2	2	<1	<1	40	6
371636120494200 SAN JOAQUIN RIVER ABOVE BEAR CREEK												
SEP 1985 24...	0.20	<0.1	7	6	9	6	<1	<1	<1	<1	20	6
371636120575200 LOS BANOS CREEK AT STATE HIGHWAY 140												
SEP 1985 25...	0.10	<0.1	5	2	14	5	2	2	<1	<1	10	11

TABLE 2.--Continued

DATE	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC, TOTAL (UG/L AS AS)	ARSENIC, DISSOLVED (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BORON, TOTAL RECOVERABLE (UG/L AS B)	BORON, DISSOLVED (UG/L AS B)	CADMIUM, TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM, DISSOLVED (UG/L AS CD)
371730120563300 MUD SLOUGH AT STATE HIGHWAY 140												
SEP 1985 27...	5900	80	7	6	200	<100	<10	<10	2500	2400	<1	2
371903120585400 NEWMAN WASTEWAY NEAR SEWAGE TREATMENT PLANT												
SEP 1985 23...	3700	20	3	3	100	100	<10	<0.5	370	360	<1	<1
372236121032400 ORESTIMBA CREEK AT STATE HIGHWAY 33												
SEP 1985 23...	3200	<10	3	3	100	71	<10	<0.5	310	310	<1	<1
373048121093000 DEL PUERTO CREEK AT STATE HIGHWAY 33												
SEP 1985 27...	400	20	6	7	<100	61	<10	<0.5	320	310	1	<1
373204121101800 WESTLY WASTEWAY AT STATE HIGHWAY 33												
SEP 1985 23...	150	<10	2	2	<100	38	<10	<0.5	190	170	1	<1
373612121070000 TUOLUMNE RIVER AT SHILOH BRIDGE												
SEP 1985 24...	1500	20	3	2	100	77	<10	<0.5	80	70	<1	<1
373747121125200 INGRAM CREEK AT RIVER ROAD												
SEP 1985 23...	610	20	3	3	100	66	<10	<0.5	1300	1300	<1	<1
373842121131800 HOSPITAL CREEK AT RIVER ROAD												
SEP 1985 23...	12000	50	5	4	300	69	<10	<0.5	370	330	<1	<1
374034121171100 JERUSALEM WASTEWAY AT KASSON ROAD												
SEP 1985 23...	980	100	4	4	<100	75	<10	<0.5	660	680	1	<1
374200121101200 STANISLAUS RIVER AT KOETITZ RANCH												
SEP 1985 23...	260	30	1	<1	<100	34	<10	<0.5	40	20	1	1

TABLE 2.--Continued

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LITHIUM, TOTAL RECOVERABLE (UG/L AS LI)	LITHIUM, DISSOLVED (UG/L AS LI)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
371730120563300 MUD SLOUGH AT STATE HIGHWAY 140												
SEP 1985 27...	25	<1	11	4	7000	60	58	1	40	30	380	30
371903120585400 NEWMAN WASTEWAY NEAR SEWAGE TREATMENT PLANT												
SEP 1985 23...	7	<1	13	3	5000	28	69	<1	30	26	240	140
372236121032400 ORESTIMBA CREEK AT STATE HIGHWAY 33												
SEP 1985 23...	25	<1	11	2	4400	4	2	<1	20	15	110	17
373048121093000 DEL PUERTO CREEK AT STATE HIGHWAY 33												
SEP 1985 27...	9	<1	7	4	550	12	1	1	20	13	30	14
373204121101800 WESTLY WASTEWAY AT STATE HIGHWAY 33												
SEP 1985 23...	3	<1	12	3	200	6	<1	<1	10	7	10	1
373612121070000 TUOLUMNE RIVER AT SHILOH BRIDGE												
SEP 1985 24...	8	<1	4	2	2200	59	4	<1	<10	5	150	44
373747121125200 INGRAM CREEK AT RIVER ROAD												
SEP 1985 23...	14	10	6	3	790	5	<1	<1	70	72	50	10
373842121131800 HOSPITAL CREEK AT RIVER ROAD												
SEP 1985 23...	35	<1	33	4	18000	37	8	<1	30	15	530	6
374034121171100 JERUSALEM WASTEWAY AT KASSON ROAD												
SEP 1985 23...	2	<1	9	5	1600	120	<1	<1	30	28	100	20
374200121101200 STANISLAUS RIVER AT KOETITZ RANCH												
SEP 1985 23...	2	<1	6	1	660	68	<1	<1	<10	<4	50	10

TABLE 2.--Continued

DATE	MERCURY, TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY, DIS-SOLVED (UG/L AS HG)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
371730120563300 MUD SLOUGH AT STATE HIGHWAY 140												
SEP 1985 27...	0.10	<0.1	13	17	25	10	3	3	<1	<1	50	20
371903120585400 NEWMAN WASTEWAY NEAR SEWAGE TREATMENT PLANT												
SEP 1985 23...	<0.10	<0.1	2	<1	16	3	1	<1	<1	<1	30	6
372236121032400 ORESTIMBA CREEK AT STATE HIGHWAY 33												
SEP 1985 23...	0.10	<0.1	2	<1	13	2	2	2	<1	<1	30	15
373048121093000 DEL PUERTO CREEK AT STATE HIGHWAY 33												
SEP 1985 27...	0.10	<0.1	6	4	16	7	1	1	<1	<1	<10	8
373204121101800 WESTLY WASTEWAY AT STATE HIGHWAY 33												
SEP 1985 23...	<0.10	0.1	<1	<1	9	<1	<1	<1	<1	<1	10	<3
373612121070000 TUOLUMNE RIVER AT SHILOH BRIDGE												
SEP 1985 24...	<0.10	<0.1	3	1	9	2	<1	<1	<1	<1	20	5
373747121125200 INGRAM CREEK AT RIVER ROAD												
SEP 1985 23...	0.20	<0.1	2	<1	18	33	1	<1	<1	<1	20	10
373842121131800 HOSPITAL CREEK AT RIVER ROAD												
SEP 1985 23...	0.20	0.1	3	1	43	17	<1	<1	1	<1	60	14
374034121171100 JERUSALEM WASTEWAY AT KASSON ROAD												
SEP 1985 23...	0.20	<0.1	4	2	12	7	2	2	<1	<1	20	4
374200121101200 STANISLAUS RIVER AT KOETITZ RANCH												
SEP 1985 23...	<0.10	<0.1	1	<1	4	<1	<1	<1	3	<1	10	18

TABLE 2.--Continued

DATE	DI-CHLORO-BROMO-METHANE, TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE, TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE, TOTAL (UG/L)	BROMO-FORM, TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE, TOTAL (UG/L)	CHLORO-FORM, TOTAL (UG/L)	TOLUENE, TOTAL (UG/L)	BENZENE, TOTAL (UG/L)	CHLORO-BENZENE, TOTAL (UG/L)	CHLORO-ETHANE, TOTAL (UG/L)	ETHYL-BENZENE, TOTAL (UG/L)
					PESTICIDES AND VOLATILE ORGANIC COMPOUNDS						
					11260800 BEAR CREEK NEAR STEVINSON						
SEP 1985 24...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
					364400120202600 FRESNO SLOUGH AT STATE HIGHWAY 180						
SEP 1985 26...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
					364712120230400 DELTA MENDOTA CANAL AT BASS AVENUE						
SEP 1985 26...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
					364718120221800 SAN JOAQUIN RIVER BELOW MENDOTA POOL, AT BASS AVENUE						
SEP 1985 26...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
					365016120261300 FIREBAUGH WASTEWAY AT HELM CANAL ROAD						
SEP 1985 25...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
					365130120265200 SAN JOAQUIN RIVER AT FIREBAUGH BRIDGE						
SEP 1985 25...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
					365940120300000 SAN JOAQUIN RIVER NEAR DOS PALOS GAGING STATION						
SEP 1985 26...	<3.0	<3.0	<3.0	<3.0	<3.0	13	<3.0	<3.0	<3.0	<3.0	<3.0
					370318120325400 SAN JOAQUIN RIVER AT SANTA RITA BRIDGE, AT STATE HIGHWAY 152						
SEP 1985 25...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
					370635120350400 SAN JOAQUIN RIVER AT WASHINGTON ROAD BRIDGE						
SEP 1985 24...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
					370822120433500 SAN JOAQUIN RIVER AT TURNER ISLAND, AT ERRECA ROAD						
SEP 1985 24...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
					371025120453800 SAN JOAQUIN RIVER ABOVE MARIPOSA BYPASS						
SEP 1985 25...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

TABLE 2.--Continued

DATE	METHYL-BROMIDE, TOTAL (UG/L)	METHYL-CHLORIDE, TOTAL (UG/L)	METHYLENE CHLORIDE, TOTAL (UG/L)	TETRACHLOROETHYLENE, TOTAL (UG/L)	TRICHLOROFLUOROMETHANE, TOTAL (UG/L)	1,1-DICHLOROETHANE, TOTAL (UG/L)	1,1-DICHLOROETHYLENE, TOTAL (UG/L)	1,1,1-TRICHLOROETHANE, TOTAL (UG/L)	1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	1,1,2,2 TETRACHLOROETHANE, TOTAL (UG/L)
11260800 BEAR CREEK NEAR STEVINSON										
SEP 1985 24...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
364400120202600 FRESNO SLOUGH AT STATE HIGHWAY 180										
SEP 1985 26...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
364712120230400 DELTA MENDOTA CANAL AT BASS AVENUE										
SEP 1985 26...	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
364718120221800 SAN JOAQUIN RIVER BELOW MENDOTA POOL, AT BASS AVENUE										
SEP 1985 26...	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
365016120261300 FIREBAUGH WASTEWAY AT HELM CANAL ROAD										
SEP 1985 25...	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
365130120265200 SAN JOAQUIN RIVER AT FIREBAUGH BRIDGE										
SEP 1985 25...	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
365940120300000 SAN JOAQUIN RIVER NEAR DOS PALOS GAGING STATION										
SEP 1985 26...	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
370318120325400 SAN JOAQUIN RIVER AT SANTA RITA BRIDGE, AT STATE HIGHWAY 152										
SEP 1985 25...	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
370635120350400 SAN JOAQUIN RIVER AT WASHINGTON ROAD BRIDGE										
SEP 1985 24...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
370822120433500 SAN JOAQUIN RIVER AT TURNER ISLAND, AT ERRECA ROAD										
SEP 1985 24...	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
371025120453800 SAN JOAQUIN RIVER ABOVE MARIPOSA BYPASS										
SEP 1985 25...	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

TABLE 2.--Continued

DATE	1,2-DICHLOROPROPANE, TOTAL (UG/L)	1,2-TRANSDICHLOROETHYLENE, TOTAL (UG/L)	1,3-DICHLOROPROPANE, TOTAL (UG/L)	2-CHLOROETHYLVINYLETHER, TOTAL (UG/L)	DICHLORODIFLUOROMETHANE, TOTAL (UG/L)	PROPAZINE, TOTAL (UG/L)	METHOMYL, TOTAL (UG/L)	PROPHAM, TOTAL (UG/L)	SIMETRYNE, TOTAL (UG/L)	SIMAZINE, TOTAL (UG/L)
11260800 BEAR CREEK NEAR STEVINSON										
SEP 1985 24...	<3.0	<3.0	<3.0	<3.0	<3.0	<0.1	<2.0	<2.0	<0.1	<0.1
364400120202600 FRESNO SLOUGH AT STATE HIGHWAY 180										
SEP 1985 26...	<3.0	<3.0	<3.0	<3.0	<3.0	<0.1	<2.0	<2.0	<0.1	<0.1
364712120230400 DELTA MENDOTA CANAL AT BASS AVENUE										
SEP 1985 26...	<3.0	<3.0	<3.0	<3.0	<3.0	<0.1	<2.0	<2.0	<0.1	<0.1
364718120221800 SAN JOAQUIN RIVER BELOW MENDOTA POOL, AT BASS AVENUE										
SEP 1985 26...	<3.0	<3.0	<3.0	<3.0	<3.0	<0.1	<2.0	<2.0	<0.1	<0.1
365016120261300 FIREBAUGH WASTEWAY AT HELM CANAL ROAD										
SEP 1985 25...	<3.0	<3.0	<3.0	<3.0	<3.0	<0.1	<2.0	<2.0	<0.1	<0.1
365130120265200 SAN JOAQUIN RIVER AT FIREBAUGH BRIDGE										
SEP 1985 25...	<3.0	<3.0	<3.0	<3.0	<3.0	<0.1	<2.0	<2.0	<0.1	<0.1
365940120300000 SAN JOAQUIN RIVER NEAR DOS PALOS GAGING STATION										
SEP 1985 26...	<3.0	<3.0	<3.0	<3.0	<3.0	<0.1	<2.0	<2.0	<0.1	<0.1
370318120325400 SAN JOAQUIN RIVER AT SANTA RITA BRIDGE, AT STATE HIGHWAY 152										
SEP 1985 25...	<3.0	<3.0	<3.0	<3.0	<3.0	<0.1	<2.0	<2.0	<0.1	<0.1
370635120350400 SAN JOAQUIN RIVER AT WASHINGTON ROAD BRIDGE										
SEP 1985 24...	<3.0	<3.0	<3.0	<3.0	<3.0	<0.1	<2.0	<2.0	<0.1	<0.1
370822120433500 SAN JOAQUIN RIVER AT TURNER ISLAND, AT ERRECA ROAD										
SEP 1985 24...	<3.0	<3.0	<3.0	<3.0	<3.0	<0.1	<2.0	<2.0	<0.1	<0.1
371025120453800 SAN JOAQUIN RIVER ABOVE MARIPOSA BYPASS										
SEP 1985 25...	<3.0	<3.0	<3.0	<3.0	<3.0	<0.1	<2.0	<2.0	<0.1	<0.1

TABLE 2.--Continued

DATE	PROME-TONE, TOTAL (UG/L)	PROME-TRYNE, TOTAL (UG/L)	VINYL CHLO-RIDE, TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	ATRA-ZINE, TOTAL (UG/L)
11260800 BEAR CREEK NEAR STEVINSON										
SEP 1985 24...	<0.1	<0.1	<3.0	<3.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
364400120202600 FRESNO SLOUGH AT STATE HIGHWAY 180										
SEP 1985 26...	<0.1	<0.1	<3.0	<3.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
364712120230400 DELTA MENDOTA CANAL AT BASS AVENUE										
SEP 1985 26...	<0.1	<0.1	<3.0	<3.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
364718120221800 SAN JOAQUIN RIVER BELOW MENDOTA POOL, AT BASS AVENUE										
SEP 1985 26...	<0.1	<0.1	<3.0	<3.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
365016120261300 FIREBAUGH WASTEWAY AT HELM CANAL ROAD										
SEP 1985 25...	<0.1	<0.1	<3.0	<3.0	0.01	<0.01	<0.01	<0.01	<0.01	<0.1
365130120265200 SAN JOAQUIN RIVER AT FIREBAUGH BRIDGE										
SEP 1985 25...	<0.1	<0.1	<3.0	<3.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
365940120300000 SAN JOAQUIN RIVER NEAR DOS PALOS GAGING STATION										
SEP 1985 26...	<0.1	<0.1	<3.0	6.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
370318120325400 SAN JOAQUIN RIVER AT SANTA RITA BRIDGE, AT STATE HIGHWAY 152										
SEP 1985 25...	<0.1	<0.1	<3.0	<3.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
370635120350400 SAN JOAQUIN RIVER AT WASHINGTON ROAD BRIDGE										
SEP 1985 24...	<0.1	<0.1	<3.0	<3.0	<0.01	<0.01	0.15	<0.01	<0.01	<0.1
370822120433500 SAN JOAQUIN RIVER AT TURNER ISLAND, AT ERRECA ROAD										
SEP 1985 24...	<0.1	<0.1	<3.0	<3.0	0.01	<0.01	0.01	<0.01	<0.01	<0.1
371025120453800 SAN JOAQUIN RIVER ABOVE MARIPOSA BYPASS										
SEP 1985 25...	<0.1	<0.1	<3.0	<3.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1

TABLE 2.--Continued

DATE	PICLORAM (TORDON) (AMDON), TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T, TOTAL (UG/L)	SEVIN, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)	DICAMBA (MEDIBEN) (BANVEL D), TOTAL (UG/L)	2,4-DP, TOTAL (UG/L)	AMETRYNE, TOTAL (UG/L)	CYANAZINE, TOTAL (UG/L)
11260800 BEAR CREEK NEAR STEVINSON											
SEP 1985 24...	<0.01	<0.01	<0.01	<2.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1
364400120202600 FRESNO SLOUGH AT STATE HIGHWAY 180											
SEP 1985 26...	<0.01	<0.01	<0.01	<2.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1
364712120230400 DELTA MENDOTA CANAL AT BASS AVENUE											
SEP 1985 26...	<0.01	<0.01	<0.01	<2.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1
364718120221800 SAN JOAQUIN RIVER BELOW MENDOTA POOL, AT BASS AVENUE											
SEP 1985 26...	<0.01	<0.01	<0.01	<2.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1
365016120261300 FIREBAUGH WASTEWAY AT HELM CANAL ROAD											
SEP 1985 25...	<0.01	<0.01	<0.01	<2.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1
365130120265200 SAN JOAQUIN RIVER AT FIREBAUGH BRIDGE											
SEP 1985 25...	<0.01	<0.01	<0.01	<2.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1
365940120300000 SAN JOAQUIN RIVER NEAR DOS PALOS GAGING STATION											
SEP 1985 26...	<0.01	<0.01	<0.01	<2.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1
370318120325400 SAN JOAQUIN RIVER AT SANTA RITA BRIDGE, AT STATE HIGHWAY 152											
SEP 1985 25...	<0.01	<0.01	<0.01	<2.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1
370635120350400 SAN JOAQUIN RIVER AT WASHINGTON ROAD BRIDGE											
SEP 1985 24...	<0.01	<0.01	<0.01	<2.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1
370822120433500 SAN JOAQUIN RIVER AT TURNER ISLAND, AT ERRECA ROAD											
SEP 1985 24...	<0.01	<0.01	<0.01	<2.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1
371025120453800 SAN JOAQUIN RIVER ABOVE MARIPOSA BYPASS											
SEP 1985 25...	<0.01	<0.01	<0.01	<2.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1

TABLE 2.--Continued

DATE	DI-CHLORO-BROMO-METHANE, TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE, TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE, TOTAL (UG/L)	BROMO-FORM, TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE, TOTAL (UG/L)	CHLORO-FORM, TOTAL (UG/L)	TOLUENE, TOTAL (UG/L)	BENZENE, TOTAL (UG/L)	CHLORO-BENZENE, TOTAL (UG/L)	CHLORO-ETHANE, TOTAL (UG/L)	ETHYL-BENZENE, TOTAL (UG/L)
371317120464600 MARIPOSA BYPASS-SLOUGH											
SEP 1985 24...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
371354120541700 SANTA FE CANAL AT GUN CLUB ROAD											
SEP 1985 26...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
371444120563200 LOS BANOS CREEK AT SANTA FE GRADE											
SEP 1985 26...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
371903120585400 NEWMAN WASTEWAY NEAR SEWAGE TREATMENT PLANT											
SEP 1985 23...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
372236121032400 ORESTIMBA CREEK AT STATE HIGHWAY 33											
SEP 1985 23...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
373048121093000 DEL PUERTO CREEK AT STATE HIGHWAY 33											
SEP 1985 27...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
373204121101800 WESTLY WASTEWAY AT STATE HIGHWAY 33											
SEP 1985 23...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
373747121125200 INGRAM CREEK AT RIVER ROAD											
SEP 1985 23...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
373842121131800 HOSPITAL CREEK AT RIVER ROAD											
SEP 1985 23...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
374034121171100 JERUSALEM WASTEWAY AT KASSON ROAD											
SEP 1985 23...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

TABLE 2.--Continued

DATE	METHYL-BROMIDE, TOTAL (UG/L)	METHYL-CHLORIDE, TOTAL (UG/L)	METHYLENE CHLORIDE, TOTAL (UG/L)	TETRACHLOROETHYLENE, TOTAL (UG/L)	TRICHLOROFLUOROMETHANE, TOTAL (UG/L)	1,1-DICHLOROETHANE, TOTAL (UG/L)	1,1-DICHLOROETHYLENE, TOTAL (UG/L)	1,1,1-TRICHLOROETHANE, TOTAL (UG/L)	1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	1,1,2,2 TETRACHLOROETHANE, TOTAL (UG/L)	
371317120464600 MARIPOSA BYPASS-SLOUGH											
SEP 1985 24...	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	
371354120541700 SANTA FE CANAL AT GUN CLUB ROAD											
SEP 1985 26...	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	
371444120563200 LOS BANOS CREEK AT SANTA FE GRADE											
SEP 1985 26...	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	
371903120585400 NEWMAN WASTEWAY NEAR SEWAGE TREATMENT PLANT											
SEP 1985 23...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	
372236121032400 ORESTIMBA CREEK AT STATE HIGHWAY 33											
SEP 1985 23...	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	
373048121093000 DEL PUERTO CREEK AT STATE HIGHWAY 33											
SEP 1985 27...	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	
373204121101800 WESTLY WASTEWAY AT STATE HIGHWAY 33											
SEP 1985 23...	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	
373747121125200 INGRAM CREEK AT RIVER ROAD											
SEP 1985 23...	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	
373842121131800 HOSPITAL CREEK AT RIVER ROAD											
SEP 1985 23...	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
374034121171100 JERUSALEM WASTEWAY AT KASSON ROAD											
SEP 1985 23...	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	

TABLE 2.--Continued

DATE	1,2-DI-CHLORO-PROPANE, TOTAL (UG/L)	1,2-TRANSDI CHLORO-ETHYL-ENE, TOTAL (UG/L)	1,3-DI-CHLORO-PROPANE, TOTAL (UG/L)	2-CHLORO-ETHYL-VINYL-ETHER, TOTAL (UG/L)	DI-CHLORO-DI-FLUORO-METHANE, TOTAL (UG/L)	PRO-PAZINE, TOTAL (UG/L)	METHO-MYL, TOTAL (UG/L)	PROPHAM, TOTAL (UG/L)	SIME-TRYNE, TOTAL (UG/L)	SIMA-ZINE, TOTAL (UG/L)
371317120464600 MARIPOSA BYPASS-SLOUGH										
SEP 1985 24...	<3.0	<3.0	<3.0	<3.0	<3.0	<0.10	<2.0	<2.0	<0.1	<0.10
371354120541700 SANTA FE CANAL AT GUN CLUB ROAD										
SEP 1985 26...	<3.0	<3.0	<3.0	<3.0	<3.0	<0.10	<2.0	<2.0	<0.1	<0.10
371444120563200 LOS BANOS CREEK AT SANTA FE GRADE										
SEP 1985 26...	<3.0	<3.0	<3.0	<3.0	<3.0	<0.10	<2.0	<2.0	<0.1	<0.10
371903120585400 NEWMAN WASTEWAY NEAR SEWAGE TREATMENT PLANT										
SEP 1985 23...	<3.0	<3.0	<3.0	<3.0	<3.0	<0.10	<2.0	<2.0	<0.1	<0.10
372236121032400 ORESTIMBA CREEK AT STATE HIGHWAY 33										
SEP 1985 23...	<3.0	<3.0	<3.0	<3.0	<3.0	<0.10	<2.0	<2.0	<0.1	<0.10
373048121093000 DEL PUERTO CREEK AT STATE HIGHWAY 33										
SEP 1985 27...	<3.0	<3.0	<3.0	<3.0	<3.0	<0.10	<2.0	<2.0	<0.1	<0.10
373204121101800 WESTLY WASTEWAY AT STATE HIGHWAY 33										
SEP 1985 23...	<3.0	<3.0	<3.0	<3.0	<3.0	<0.10	<2.0	<2.0	<0.1	<0.10
373747121125200 INGRAM CREEK AT RIVER ROAD										
SEP 1985 23...	<3.0	<3.0	<3.0	<3.0	<3.0	<0.10	--	--	<0.1	<0.10
373842121131800 HOSPITAL CREEK AT RIVER ROAD										
SEP 1985 23...	<3.0	<3.0	<3.0	<3.0	<3.0	<0.10	<2.0	<2.0	<0.1	<0.10
374034121171100 JERUSALEM WASTEWAY AT KASSON ROAD										
SEP 1985 23...	<3.0	<3.0	<3.0	<3.0	<3.0	<0.10	<2.0	<2.0	<0.1	<0.10

TABLE 2.--Continued

DATE	PROME-TONE, TOTAL (UG/L)	PROME-TRYNE, TOTAL (UG/L)	VINYL CHLO-RIDE, TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	ATRA-ZINE, TOTAL (UG/L)
371317120464600 MARIPOSA BYPASS-SLOUGH										
SEP 1985 24...	<0.1	<0.1	<3.0	<3.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
371354120541700 SANTA FE CANAL AT GUN CLUB ROAD										
SEP 1985 26...	<0.1	<0.1	<3.0	<3.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
371444120563200 LOS BANOS CREEK AT SANTA FE GRADE										
SEP 1985 26...	<0.1	<0.1	<3.0	<3.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
371903120585400 NEWMAN WASTEWAY NEAR SEWAGE TREATMENT PLANT										
SEP 1985 23...	<0.1	<0.1	<3.0	<3.0	<0.01	<0.01	<0.01	0.03	<0.01	<0.1
372236121032400 ORESTIMBA CREEK AT STATE HIGHWAY 33										
SEP 1985 23...	<0.1	<0.1	<3.0	<3.0	<0.01	<0.01	<0.01	0.07	<0.01	<0.1
373048121093000 DEL PUERTO CREEK AT STATE HIGHWAY 33										
SEP 1985 27...	<0.1	<0.1	<3.0	<3.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
373204121101800 WESTLY WASTEWAY AT STATE HIGHWAY 33										
SEP 1985 23...	<0.1	<0.1	<3.0	<3.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
373747121125200 INGRAM CREEK AT RIVER ROAD										
SEP 1985 23...	<0.1	<0.1	<3.0	<3.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
373842121131800 HOSPITAL CREEK AT RIVER ROAD										
SEP 1985 23...	<0.1	<0.1	<3.0	<3.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1
374034121171100 JERUSALEM WASTEWAY AT KASSON ROAD										
SEP 1985 23...	<0.1	<0.1	<3.0	<3.0	<0.01	<0.01	0.01	0.04	<0.01	<0.1

TABLE 2.--Continued

DATE	PICLORAM (TORDON) (AMDON), TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T, TOTAL (UG/L)	SEVIN, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)	DICAMBA (MEDIBEN) (BANVEL D), TOTAL (UG/L)	2,4-DP, TOTAL (UG/L)	AMETRYNE, TOTAL (UG/L)	CYANAZINE, TOTAL (UG/L)
371317120464600 MARIPOSA BYPASS-SLOUGH											
SEP 1985 24...	<0.01	<0.01	<0.01	<2.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1
371354120541700 SANTA FE CANAL AT GUN CLUB ROAD											
SEP 1985 26...	<0.01	<0.01	<0.01	<2.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1
371444120563200 LOS BANOS CREEK AT SANTA FE GRADE											
SEP 1985 26...	<0.01	<0.01	<0.01	<2.0	<0.01	<0.01	<0.01	0.01	<0.01	<0.1	<0.1
371903120585400 NEWMAN WASTEWAY NEAR SEWAGE TREATMENT PLANT											
SEP 1985 23...	<0.01	0.09	<0.01	<2.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1
372236121032400 ORESTIMBA CREEK AT STATE HIGHWAY 33											
SEP 1985 23...	<0.01	<0.01	<0.01	<2.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1
373048121093000 DEL PUERTO CREEK AT STATE HIGHWAY 33											
SEP 1985 27...	<0.01	<0.01	<0.01	<2.0	<0.01	<0.01	<0.01	0.01	<0.01	<0.1	<0.1
373204121101800 WESTLY WASTEWAY AT STATE HIGHWAY 33											
SEP 1985 23...	<0.01	<0.01	<0.01	<2.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1
373747121125200 INGRAM CREEK AT RIVER ROAD											
SEP 1985 23...	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1
373842121131800 HOSPITAL CREEK AT RIVER ROAD											
SEP 1985 23...	<0.01	<0.01	<0.01	<2.0	<0.01	<0.01	<0.01	0.01	<0.01	<0.1	<0.1
374034121171100 JERUSALEM WASTEWAY AT KASSON ROAD											
SEP 1985 23...	<0.01	0.16	<0.01	<2.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.1

TABLE 2.--Continued

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE, WATER (DEG C)	NITROGEN,TOT IN BOTTOM MATERIAL (MG/KG AS N)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	LINDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
11260800 BEAR CREEK NEAR STEVINSON											
OCT 1985 08...	1400	176	7.7	21.0	--	<1.0	<0.1	<0.1	<1.0	<0.1	0.1
364400120202600 FRESNO SLOUGH AT STATE HIGHWAY 180											
OCT 1985 09...	1100	585	8.5	19.5	--	<1.0	<0.1	<0.1	<1.0	1.6	6.4
364718120221800 SAN JOAQUIN RIVER BELOW MENDOTA POOL, AT BASS AVENUE											
OCT 1985 10...	0930	605	8.1	16.5	320	<1.0	<0.1	<0.1	<1.0	<0.1	0.9
365130120265200 SAN JOAQUIN RIVER AT FIREBAUGH BRIDGE											
OCT 1985 10...	1000	513	7.8	17.0	--	<1.0	<0.1	<0.1	1.0	0.9	3.5
365940120300000 SAN JOAQUIN RIVER NEAR DOS PALOS GAGING STATION											
OCT 1985 10...	1400	582	7.5	17.5	--	<1.0	<0.1	<0.1	<1.0	0.3	0.4
370635120350400 SAN JOAQUIN RIVER AT WASHINGTON ROAD BRIDGE											
OCT 1985 10...	1500	638	7.9	17.5	--	<1.0	<0.1	<0.1	<1.0	1.6	3.8
370822120433500 SAN JOAQUIN RIVER AT TURNER ISLAND, AT ERRECA ROAD											
OCT 1985 07...	1100	1260	7.9	19.0	890	<1.0	0.4	<0.1	<1.0	11	58
371317120464600 MARIPOSA BYPASS-SLOUGH											
OCT 1985 11...	1100	2940	8.0	15.0	1000	<1.0	<0.1	<0.1	<1.0	1.6	3.9
371354120541700 SANTA FE CANAL AT GUN CLUB ROAD											
OCT 1985 09...	1500	632	7.7	18.5	--	<1.0	<0.1	<0.1	<1.0	<0.1	0.4
371636120575200 LOS BANOS CREEK AT STATE HIGHWAY 140											
OCT 1985 11...	0930	896	8.0	10.5	--	<1.0	<0.1	<0.1	<1.0	0.2	0.6
371903120585400 NEWMAN WASTEWAY NEAR SEWAGE TREATMENT PLANT											
OCT 1985 08...	0930	849	7.5	16.0	--	<1.0	<0.1	<0.1	<1.0	21	130
372236121032400 ORESTIMBA CREEK AT STATE HIGHWAY 33											
OCT 1985 09...	0930	761	7.7	15.5	--	<1.0	0.9	<0.1	<1.0	180	430
373048121093000 DEL PUERTO CREEK AT STATE HIGHWAY 33											
OCT 1985 07...	0930	1100	8.0	17.0	400	<1.0	<0.1	<0.1	<1.0	29	73
373747121125200 INGRAM CREEK AT RIVER ROAD											
OCT 1985 08...	1400	1280	8.7	21.0	--	<1.0	<0.1	<0.1	<1.0	260	250
373842121131800 HOSPITAL CREEK AT RIVER ROAD											
OCT 1985 09...	1200	981	8.3	18.0	--	<1.0	<0.1	<0.1	<1.0	58	170
374034121171100 JERUSALEM WASTEWAY AT KASSON ROAD											
OCT 1985 08...	0930	1170	7.4	15.0	--	<1.0	<0.1	<0.1	<1.0	3.9	6.2

TABLE 2.--Continued

DATE	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE, TOT. IN BOTTOM MATL. (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE, TOTAL IN BOTTOM MATERIAL (UG/KG)
11260800 BEAR CREEK NEAR STEVINSON											
OCT 1985 08...	<0.1	<0.1	<0.1	<0.1	<10	<0.1	<0.1	<0.1	<1	<0.1	<1.0
364400120202600 FRESNO SLOUGH AT STATE HIGHWAY 180											
OCT 1985 09...	<0.1	<0.1	<0.1	<0.1	<10	<0.1	<0.1	<0.1	3	<0.1	<1.0
364718120221800 SAN JOAQUIN RIVER BELOW MENDOTA POOL, AT BASS AVENUE											
OCT 1985 10...	<0.1	<0.1	<0.1	<0.1	<10	<0.1	<0.1	<0.1	<1	<0.1	<1.0
365130120265200 SAN JOAQUIN RIVER AT FIREBAUGH BRIDGE											
OCT 1985 10...	0.6	0.1	<0.1	<0.1	<10	<0.1	<0.1	<0.1	<1	<0.1	<1.0
365940120300000 SAN JOAQUIN RIVER NEAR DOS PALOS GAGING STATION											
OCT 1985 10...	0.2	<0.1	<0.1	<0.1	<10	<0.1	<0.1	<0.1	<1	<0.1	<1.0
370635120350400 SAN JOAQUIN RIVER AT WASHINGTON ROAD BRIDGE											
OCT 1985 10...	<0.1	<0.1	<0.1	<0.1	<10	<0.1	<0.1	<0.1	<1	<0.1	<1.0
370822120433500 SAN JOAQUIN RIVER AT TURNER ISLAND, AT ERRECA ROAD											
OCT 1985 07...	<0.1	4.4	2.6	<0.1	<10	<0.1	<0.1	<0.1	<1	0.4	<1.0
371317120464600 MARIPOSA BYPASS-SLOUGH											
OCT 1985 11...	<0.1	0.7	0.8	<0.1	<10	<0.1	<0.1	<0.1	<1	<0.1	<1.0
371354120541700 SANTA FE CANAL AT GUN CLUB ROAD											
OCT 1985 09...	<0.1	<0.1	<0.1	<0.1	<10	<0.1	<0.1	<0.1	<1	<0.1	<1.0
371636120575200 LOS BANOS CREEK AT STATE HIGHWAY 140											
OCT 1985 11...	<0.1	<0.1	<0.1	<0.1	<10	<0.1	<0.1	<0.1	<1	<0.1	<1.0
371903120585400 NEWMAN WASTEWAY NEAR SEWAGE TREATMENT PLANT											
OCT 1985 08...	<0.1	2.0	<0.1	<0.1	<10	<0.1	<0.1	<0.1	<1	<0.1	<1.0
372236121032400 ORESTIMBA CREEK AT STATE HIGHWAY 33											
OCT 1985 09...	55	6.8	15	<0.1	<10	<0.1	<0.1	<0.1	<1	<0.1	<1.0
373048121093000 DEL PUERTO CREEK AT STATE HIGHWAY 33											
OCT 1985 07...	<0.1	1.4	<0.1	<0.1	250	<0.1	<0.1	<0.1	<1	<0.1	<1.0
373747121125200 INGRAM CREEK AT RIVER ROAD											
OCT 1985 08...	420	4.9	87	<0.1	<10	<0.1	<0.1	<0.1	<1	6.9	<1.0
373842121131800 HOSPITAL CREEK AT RIVER ROAD											
OCT 1985 09...	60	8.9	<0.1	<0.1	<10	<0.1	<0.1	<0.1	<1	<0.1	<1.0
374034121171100 JERUSALEM WASTEWAY AT KASSON ROAD											
OCT 1985 08...	<0.1	0.2	<0.1	<0.1	<10	<0.1	<0.1	<0.1	<1	<0.1	<1.0

TABLE 3.--WATER-QUALITY RECORDS AT GROUND-WATER SITES

[Water-quality data in this table are separated into four groups--physical properties, major constituents, and nutrients; trace elements; pesticides and volatile organic compounds; and stable isotopes]

PHYSICAL PROPERTIES, MAJOR CONSTITUENTS, AND NUTRIENTS

WELL NO.	SITE IDENTIFICATION NO.	DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE SEA LEVEL)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, WATER (DEG C)	HARD NESS (MG/ AS CACO
011N022W23C01S	350159119114801	07-14-86	1820	2000	830	1960	7.3	27.5	810
011N018W06M01S	350401118503501	07-28-86	1530	1005	622	472	7.9	22.0	170
012N019W32P02S	350429118554701	08-05-86	1200	1200	535	461	7.7	23.0	150
012N023W31A01S	350528119221101	07-15-86	1135	760	560	5080	7.7	28.0	590
012N020W26A01S	350533118584201	08-05-86	0945	520	425	2510	7.4	23.5	990
032S027E36Q01M	350539119014201	07-18-86	0930	410	345	3550	7.8	25.5	1000
032S024E35N01M	350539119221501	07-15-86	0955	784	550	5800	7.8	28.5	710
032S029E20G01M	350745118525301	07-16-86	1030	505	429	885	7.7	24.0	260
032S029E16R04M	350817118514201	07-21-86	1030	996	472	298	7.7	21.0	81
032S028E11H01M	350933118560301	07-18-86	1410	410	338	396	8.0	24.5	110
031S029E29P01M	351152118532601	07-30-86	0730	390	377	785	7.8	23.5	240
031S029E26L01M	351157118500801	07-21-86	1330	810	424	599	8.7	27.0	43
031S030E30M01M	351206118481801	07-30-86	1030	475	437	552	7.8	21.5	180
031S024E22L02M	351257119230401	07-29-86	0945	500	370	7170	7.4	24.5	2200
031S028E23H02M	351258118555301	07-22-86	0920	600	355	652	7.9	23.5	170
031S025E15H01M	351353119161501	07-29-86	1430	300	299	819	8.7	23.5	54
031S025E16B01M	351408119173101	07-29-86	1600	600	291	1680	7.8	27.0	290
031S028E18D01M	351412119011301	07-20-86	0945	300	330	219	7.2	23.5	83
031S030E16C01M	351413118453801	07-21-86	1730	701	569	498	7.8	26.5	88
031S027E16D01M	351415119052201	07-29-86	0930	300	329	295	7.6	21.0	99
031S025E10H01M	351453119162601	07-29-86	1145	171	297	395	9.2	23.5	9
031S027E01E03M	351537119020501	07-29-86	1430	300	344	406	7.4	21.5	160
031S026E01H01M	351540119074101	07-29-86	1145	300	331	297	7.9	21.0	67
031S026E04B01M	351559119111501	08-07-86	0930	380	321	263	9.2	27.5	5
030S030E32J01M	351629118461201	07-19-86	1530	555	660	515	9.4	32.5	4
030S028E29P01M	351655118594301	07-19-86	1220	200	354	428	7.8	22.0	130
030S025E21P04M	351749119175301	07-30-86	0915	790	305	276	8.4	23.5	40
030S026E21P01M	351751119112001	07-15-86	1715	240	330	302	7.8	27.5	67
030S026E24H04M	351820119073901	07-19-86	0915	500	352	195	7.4	21.5	39
030S027E24C01M	351836119015801	07-23-86	0910	300	372	1210	7.4	21.0	420
030S027E15R01M	351847119033301	07-23-86	1115	600	370	308	7.8	18.0	110
030S029E18D02M	351929118543501	07-20-86	1530	562	434	524	7.5	25.0	170
030S028E09Q02M	351934118582301	07-24-86	1000	500	375	284	8.0	22.0	76
030S030E06J01M	352045118473601	07-22-86	1300	1915	978	1140	7.6	31.5	250
030S024E06A02M	352113119260101	07-22-86	1410	400	280	1140	7.7	21.5	400
030S024E06A01M	352115119260001	07-17-86	0940	400	280	1150	7.5	21.5	400
029S024E25P01M	352211119205901	07-18-86	1000	648	295	178	9.1	23.0	12
029S024E30F03M	352240119262201	07-18-86	1400	362	277	941	7.5	21.0	260
029S027E27B01M	352258119034901	07-23-86	1600	350	397	331	7.5	22.5	77
029S026E23J01M	352327119084601	07-21-86	1150	384	361	654	7.6	24.0	250
029S023E21H02M	352332119300301	07-22-86	1600	363	266	852	8.3	20.5	110
029S025E17R01M	352356119182101	07-19-86	1105	290	312	279	8.2	24.0	63
029S027E15N01M	352403119042301	07-16-86	1745	300	402	1040	7.2	20.5	280
029S025E03L04M	352554119164601	07-21-86	1440	409	327	233	9.0	26.0	31
029S028E02K01M	352603118561601	07-23-86	1345	200	490	448	7.9	24.0	150
029S026E02C01M	352631119091801	07-20-86	1450	350	365	835	7.7	23.0	190
028S025E34R01M	352633119154101	07-30-86	1300	346	328	568	7.6	24.0	140
028S023E25R01M	352727119262001	07-20-86	1010	510	266	458	8.0	22.0	100
028S024E30M01M	352749119261501	07-17-86	1400	250	265	866	8.0	24.5	150
028S027E28A01M	352805119035801	07-23-86	1230	870	633	347	9.1	28.0	7
028S025E10Q01M	353000119161401	07-23-86	1600	712	347	528	7.8	25.0	120
028S023E08H01M	353035119305101	07-19-86	1550	510	290	4930	7.5	24.5	320
028S027E07C01M	353044119065301	07-23-86	0830	1023	555	310	9.2	28.0	7
028S024E10A01M	353045119220201	07-17-86	1645	320	309	533	7.5	23.5	100
028S027E06G01M	353119119062501	07-22-86	1605	702	590	241	9.1	27.0	6
027S027E33E01M	353223119043401	08-06-86	1330	891	700	1440	7.6	25.5	490
027S025E30D01M	353325119193701	07-31-86	1115	984	340	223	8.6	23.5	40
027S027E14D01M	353512119024001	08-14-86	0945	976	805	284	9.2	26.0	4
027S026E08Q01M	353516119113901	07-31-86	1300	1002	461	642	7.7	20.0	210
027S026E07H01M	353544119121601	08-05-86	1530	400	425	243	7.3	20.5	81

TABLE 3.--Continued

WELL NO.	HARDNESS, NONCARBONATE (MG/L AS CACO3)	CALCIUM, DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, CARBONATE IT-FLD (MG/L AS CACO3)	CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)	SULFATE, DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
011N022W23C01S	680	190	80	170	31	10	124	13	860	89
011N018W06M01S	6	49	11	31	28	2.5	162	4.0	39	17
012N019W32P02S	0	37	13	41	37	5.5	154	5.9	57	16
012N023W31A01S	400	120	70	950	78	9.6	188	6.9	1100	1100
012N020W26A01S	870	280	70	180	28	13	118	9.1	860	150
032S027E36Q01M	830	260	90	490	51	9.7	196	6.7	1700	62
032S024E35N01M	430	150	80	930	74	9.8	281	8.4	1100	1200
032S029E20G01M	76	71	21	82	40	3.0	188	7.1	160	58
032S029E16R04M	0	21	6.8	32	45	2.5	119	4.5	14	11
032S028E11H01M	0	34	5.0	46	48	2.1	139	2.6	38	17
031S029E29P01M	98	77	12	74	40	3.2	144	4.4	72	120
031S029E26L01M	0	16	0.67	100	83	1.6	51	0.2	44	130
031S030E30M01M	27	58	9.2	42	33	4.1	156	4.8	33	42
031S024E22L02M	2100	670	120	850	46	12	67	5.2	2100	1100
031S028E23H02M	67	55	7.1	67	46	2.6	100	2.5	88	92
031S025E15H01M	0	21	0.40	150	85	1.3	95	0.4	230	25
031S025E16B01M	160	86	19	260	66	2.8	139	4.3	550	160
031S028E18D01M	0	28	3.2	14	27	1.0	86	9.6	17	5.9
031S030E16C01M	0	24	6.8	62	59	4.5	100	3.4	39	55
031S027E16D01M	0	34	3.3	22	32	1.2	109	4.7	27	10
031S025E10H01M	0	3.5	0.10	79	95	0.20	88	0.1	56	22
031S027E01E03M	0	49	7.9	27	27	1.5	173	12	33	10
031S026E01H01M	0	25	1.1	38	55	1.2	88	2.1	42	16
031S026E04B01M	0	2.0	0.04	54	95	0.30	78	0.1	31	12
030S030E32J01M	0	1.5	0.02	110	98	0.60	124	0.1	31	58
030S028E29P01M	0	33	11	43	41	3.6	139	2.9	42	20
030S025E21P04M	0	15	0.70	42	69	0.50	90	0.7	25	13
030S026E21P01M	11	26	0.30	36	54	1.1	56	1.8	43	27
030S026E24H04M	0	15	0.40	26	58	1.6	64	4.5	16	9.7
030S027E24C01M	230	130	22	81	30	3.7	183	14	35	230
030S027E15R01M	0	36	5.1	21	29	2.1	118	3.6	24	13
030S029E18D02M	0	49	11	47	37	4.5	176	11	54	30
030S028E09Q02M	0	23	4.4	29	44	2.7	101	1.9	25	12
030S030E06J01M	120	92	5.6	140	54	7.7	136	7.2	360	64
030S024E06A02M	130	120	23	110	38	1.4	268	10	300	37
030S024E06A01M	130	120	24	110	37	1.3	273	17	300	41
029S024E25P01M	0	4.9	0.03	33	85	0.50	39	0.1	18	11
029S024E30F03M	95	99	3.7	110	48	1.0	169	10	230	48
029S027E27B01M	0	24	4.0	40	52	1.9	112	6.8	23	22
029S026E23J01M	78	83	9.9	45	28	2.5	171	8.3	88	31
029S023E21H02M	36	42	1.1	110	69	0.50	74	0.7	86	160
029S025E17R01M	13	24	0.57	31	51	1.2	50	0.6	38	19
029S027E15N01M	12	83	17	110	46	3.1	266	34	120	82
029S025E03L04M	0	12	0.10	43	75	0.80	54	0.1	31	24
029S028E02K01M	53	58	0.50	34	33	2.3	95	2.3	58	45
029S026E02C01M	0	67	4.9	110	56	2.5	191	7.4	140	45
028S025E34R01M	110	57	0.40	50	43	2.1	30	1.5	87	97
028S023E25R01M	27	20	12	51	52	2.8	73	1.4	44	68
028S024E30M01M	130	61	0.30	110	61	0.60	23	0.5	190	110
028S027E28A01M	0	2.5	0.24	76	96	0.30	101	0.1	26	30
028S025E10Q01M	72	47	0.51	55	50	2.0	48	1.3	140	33
028S023E08H01M	46	110	10	1000	87	0.60	271	17	1800	350
028S027E07C01M	0	2.7	0.03	63	95	0.30	71	0.1	7.0	50
028S024E10A01M	74	41	0.30	60	55	0.90	30	1.9	80	94
028S027E06G01M	0	2.2	0.07	49	95	0.30	70	0.1	11	19
027S027E33E01M	330	180	10	100	30	4.9	158	7.7	220	240
027S025E30D01M	0	15	0.50	28	60	1.3	69	0.3	16	10
027S027E14D01M	0	1.5	0.02	61	97	0.20	92	0.1	19	21
027S026E08Q01M	110	77	3.3	36	27	2.7	92	3.6	37	100
027S026E07H01M	3	24	5.1	16	29	1.9	78	7.6	18	14

TABLE 3.--Continued

WELL NO.	FLUORIDE, DISSOLVED (MG/L AS F)	BROMIDE, DISSOLVED (MG/L AS BR)	IODIDE, DISSOLVED (MG/L AS I)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRITE, DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3, DISSOLVED (MG/L AS N)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	CARBON, ORGANIC, TOTAL (MG/L AS C)
011N022W23C01S	1.1	0.30	0.092	23	1500	0.02	2.6	<0.01	--
011N018W06M01S	0.2	0.09	<0.001	24	270	<0.01	3.5	0.03	<0.1
012N019W32P02S	0.5	0.07	<0.001	20	280	<0.01	3.0	<0.01	0.3
012N023W31A01S	0.2	4.8	0.660	49	3500	0.01	1.2	0.01	1.0
012N020W26A01S	0.6	1.6	0.003	20	1600	<0.01	74	<0.01	0.3
032S027E36Q01M	0.8	0.52	0.027	19	2800	<0.01	10	0.03	1.9
032S024E35N01M	0.2	68	2.5	51	3800	<0.01	2.2	0.01	1.1
032S029E20G01M	0.3	0.29	0.004	19	530	0.02	6.1	0.02	0.4
032S029E16R04M	0.5	0.04	<0.001	19	180	0.02	0.73	0.02	0.8
032S028E11H01M	0.3	0.07	0.012	18	240	<0.01	<0.10	0.03	1.1
031S029E29P01M	0.2	0.47	0.026	26	470	<0.01	4.9	0.03	0.4
031S029E26L01M	0.4	0.49	0.160	13	340	0.03	1.2	<0.01	0.6
031S030E30M01M	0.2	0.24	<0.001	22	300	<0.01	11	0.02	0.4
031S024E22L02M	<0.1	7.1	0.600	50	5000	0.07	71	0.02	0.4
031S028E23H02M	0.4	0.30	0.060	26	400	0.02	0.66	0.02	<0.1
031S025E15H01M	2.4	0.07	0.063	25	510	<0.01	<0.10	0.04	0.4
031S025E16B01M	1.4	0.61	0.330	49	1200	0.05	0.21	0.02	0.5
031S028E18D01M	0.3	<0.01	<0.001	23	610	0.01	0.13	0.03	0.6
031S030E16C01M	0.8	0.21	0.002	19	270	0.02	5.3	<0.01	0.2
031S027E16D01M	0.2	0.03	0.001	32	200	<0.01	0.12	0.03	0.4
031S025E10H01M	1.9	0.16	0.015	18	230	<0.01	<0.10	0.06	0.4
031S027E01E03M	0.2	0.04	0.002	27	260	<0.01	1.8	<0.01	0.6
031S026E01H01M	0.2	0.04	0.001	26	200	<0.01	0.30	<0.01	0.2
031S026E04B01M	0.3	0.03	<0.001	16	160	<0.01	0.33	0.02	0.3
030S030E32J01M	2.7	0.19	0.065	34	320	<0.01	<0.10	0.02	0.7
030S028E29P01M	0.3	0.06	<0.001	33	270	0.01	2.2	0.02	0.7
030S025E21P04M	0.6	0.05	0.008	24	170	<0.01	0.53	<0.01	0.4
030S026E21P01M	0.2	--	--	16	180	<0.01	1.7	<0.01	--
030S026E24H04M	0.1	0.02	<0.001	14	120	<0.01	0.64	0.01	0.1
030S027E24C01M	<0.1	0.12	0.001	29	640	<0.01	14	<0.01	0.5
030S027E15R01M	0.2	0.04	<0.001	24	200	<0.01	0.80	0.02	0.1
030S029E18D02M	0.3	0.12	<0.001	27	330	<0.01	0.98	0.02	<0.1
030S028E09Q02M	0.2	0.04	<0.001	20	180	<0.01	0.82	0.03	0.4
030S030E06J01M	0.1	0.33	0.029	34	790	0.03	2.3	<0.01	0.6
030S024E06A02M	<0.1	0.08	0.049	34	790	<0.01	<0.10	<0.01	2.5
030S024E06A01M	<0.1	--	--	34	790	<0.01	<0.10	<0.01	1.4
029S024E25P01M	0.2	0.03	0.003	17	110	<0.01	0.49	0.01	<0.1
029S024E30F03M	<0.1	0.09	0.001	22	620	0.02	<0.10	<0.01	0.8
029S027E27B01M	0.1	0.08	0.004	29	210	<0.01	1.7	0.02	0.5
029S026E23J01M	0.1	0.11	<0.001	26	390	0.02	10	<0.01	0.2
029S023E21H02M	0.3	<0.01	0.240	17	460	<0.01	<0.10	<0.01	0.5
029S025E17R01M	0.1	0.02	<0.001	17	160	0.02	1.7	<0.01	<0.1
029S027E15N01M	0.2	0.21	0.020	26	600	<0.01	12	0.02	1.1
029S025E03L04M	<0.1	0.08	<0.001	14	160	<0.01	1.1	<0.01	0.3
029S028E02K01M	<0.1	0.07	0.030	27	280	<0.01	1.6	<0.01	0.5
029S026E02C01M	<0.1	0.21	0.005	22	510	<0.01	10	<0.01	0.4
028S025E34R01M	<0.1	0.25	0.003	14	330	<0.01	2.8	<0.01	<0.1
028S023E25R01M	0.1	0.14	0.018	13	260	0.01	0.73	0.09	4.2
028S024E30M01M	<0.1	0.17	<0.001	14	500	<0.01	<0.10	1.2	1.3
028S027E28A01M	0.3	0.08	<0.001	21	220	0.02	<0.10	0.02	4.0
028S025E10Q01M	<0.1	0.11	<0.001	18	330	0.02	3.2	<0.01	0.2
028S023E08H01M	1.3	1.1	0.140	46	3500	<0.01	16	0.01	1.3
028S027E07C01M	0.3	0.20	0.013	19	180	0.02	<0.10	<0.01	0.3
028S024E10A01M	<0.1	0.28	0.001	17	310	<0.01	2.1	<0.01	0.1
028S027E06G01M	0.3	0.06	0.002	19	140	0.02	<0.10	0.02	0.1
027S027E33E01M	<0.1	0.86	0.047	24	880	0.05	20	<0.01	2.0
027S025E30D01M	<0.1	0.09	<0.001	20	140	<0.01	2.5	<0.01	0.2
027S027E14D01M	0.2	0.07	0.003	22	180	<0.01	<0.10	0.02	0.2
027S026E08Q01M	<0.1	0.39	<0.001	24	340	<0.01	4.4	0.01	<0.1
027S026E07H01M	0.2	0.05	0.001	33	160	<0.01	0.51	0.04	0.5

TABLE 3.--Continued

WELL NO.	STATION NO.	DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE SEA LEVEL)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)
027S024E09A02M	353555119230301	08-07-86	1600	818	294	438	7.8
027S023E01H01M	353633119261401	08-21-86	0915	510	--	896	8.2
026S025E27C01M	353843119160201	07-31-86	1245	300	357	282	8.1
026S026E18H02M	354004119121501	08-13-86	0835	401	384	2050	7.6
026S027E09G02M	354101119040501	08-06-86	1130	1204	715	652	7.9
026S025E12D01M	354107119141101	07-30-86	1600	1380	341	209	9.6
025S023E30R01M	354303119313101	08-10-86	0920	400	220	451	9.2
025S026E30M02M	354318119131801	08-11-86	1410	351	323	2960	7.6
025S020E27B03M	354350119475901	07-31-86	1525	271	308	3700	7.6
025S023E21J01M	354423119292501	08-04-86	1615	850	196	219	9.7
025S026E20F01M	354435119114401	08-12-86	1635	1000	365	570	7.8
025S025E02R02M	354643119142601	07-28-86	1430	1002	318	447	8.2
024S023E36H02M	354752119254101	08-09-86	1045	600	215	242	8.5
024S024E28Q01M	354818119225801	08-12-86	0920	1300	225	459	8.6
024S025E22P01M	354910119153601	08-05-86	1300	1000	297	538	7.8
024S025E19F01M	354947119184201	08-07-86	0910	310	255	230	8.3
024S026E19D01M	354952119124301	08-05-86	1040	800	343	200	9.0
024S027E22C01M	355001119023901	08-07-86	1640	1000	585	505	8.2
023S023E36E01M	355313119264501	08-12-86	1130	1500	205	351	8.3
023S027E27N01M	355339119025201	08-08-86	0940	1341	536	715	8.4
023S027E29J01M	355352119041601	08-07-86	1230	1249	508	743	7.9
023S027E27B01M	355412119023501	08-06-86	1300	706	547	582	8.2
023S018E30A02M	355422120032701	08-13-86	1430	242	560	1790	8.0
023S026E07J02M	355632119114901	08-06-86	0920	708	330	288	8.1
023S026E03H02M	355736119083401	08-05-86	1640	190	375	443	7.8
022S017E36R01M	355753120044201	08-26-86	1145	813	665	595	7.9
022S017E26A01M	355924120054401	08-12-86	1545	495	790	307	8.2
022S019E29D01M	355934119565401	08-09-86	1100	300	262	1910	8.1
022S019E19C01M	360026119573501	08-09-86	1500	700	247	820	8.4
022S026E18A01M	360117119114801	08-13-86	1250	510	333	400	7.9
022S024E02A01M	360302119202101	08-07-86	0930	310	260	536	7.9
021S023E31R01M	360303119310301	08-27-86	0930	165	207	2360	7.4
021S024E31P02M	360305119251101	08-26-86	1630	288	230	312	7.9
021S026E34H03M	360332119084601	08-27-86	1445	400	370	458	8.1
021S025E31G02M	360341119182901	08-27-86	1110	480	272	259	9.0
021S025E26H01M	360432119140701	08-14-86	0945	280	305	714	7.3
021S027E15P01M	360547119024401	08-27-86	1625	129	425	709	7.6
021S017E14H01M	360606120053501	08-08-86	1620	770	400	1170	7.8
021S017E12E02M	360659120053101	07-01-85	1400	1288	368	1300	7.7
		08-08-86	1430	1288	368	1170	7.8
021S025E10D03M	360712119154901	08-14-86	1030	304	293	759	7.3
021S022E02F01M	360758119334401	08-08-86	0910	170	210	852	7.9
020S018E33E03M	360852120014601	05-15-85	0840	500	305	2420	7.8
020S016E30L01M	360921120163501	08-13-86	1715	1533	610	2490	7.7
020S015E26L02M	360926120183901	08-13-86	1500	1888	625	2190	8.0
020S018E24R01M	361001119573401	03-25-86	1030	30	253	3120	7.5
020S020E10L01M	361212119472101	08-20-86	1415	552	207	863	8.3
020S021E09C01M	361235119421101	08-12-86	0930	528	213	961	8.5
020S021E01Q01M	361243119382301	08-12-86	1500	228	218	1020	8.2
019S020E33A01M	361424119475301	08-13-86	1710	525	213	524	8.5
019S019E30N01M	361428119573101	03-20-86	1545	20	253	4430	7.5
019S020E26N01M	361437119464001	08-20-86	0830	200	218	1530	8.2
019S019E21C01M	361558119545501	08-19-86	0900	1018	231	898	8.2
019S019E07N01M	361704119573101	03-25-86	1315	20	243	6090	7.5
019S022E07M01M	361716119380701	08-13-86	1030	300	238	402	8.2
019S018E10D01M	361756120004101	03-20-86	1145	20	265	3790	7.2
019S018E02N01M	361757119594101	03-20-86	1345	20	259	1430	7.5
018S021E32R01M	361853119422301	08-19-86	1330	203	238	248	9.1
018S021E32K01M	361908119425101	08-19-86	1130	1330	235	430	9.1
018S019E31G01M	361924119564801	07-02-85	0850	1014	232	835	8.3

TABLE 3.--Continued

WELL NO.	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)	BAROMETRIC PRESSURE (MM OF HG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L AS CACO3)	CALCIUM, DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
027S024E09A02M	23.0	--	--	120	77	45	0.80	39
027S023E01H01M	23.0	--	--	220	180	86	0.50	99
026S025E27C01M	19.0	--	--	110	0	34	5.8	18
026S026E18H02M	23.0	--	--	710	670	250	20	120
026S027E09G02M	30.0	--	--	150	0	44	9.3	110
026S025E12D01M	26.0	--	--	7	0	2.6	0.10	41
025S023E30R01M	22.0	--	--	26	0	9.3	0.70	76
025S026E30M02M	22.0	--	--	1100	940	330	55	220
025S020E27B03M	23.0	--	--	760	660	170	80	520
025S023E21J01M	24.0	--	--	6	0	2.4	0.03	42
025S026E20F01M	24.0	--	--	130	37	42	5.0	57
025S025E02R02M	24.5	--	--	77	0	26	2.7	58
024S023E36H02M	22.0	--	--	4	0	1.2	0.20	50
024S024E28Q01M	24.0	--	--	29	0	11	0.30	84
024S025E22P01M	22.0	--	--	140	52	47	5.3	45
024S025E19F01M	22.0	--	--	63	0	22	2.0	28
024S026E19D01M	23.5	--	--	17	0	6.4	0.30	36
024S027E22C01M	30.5	--	--	25	0	10	0.10	100
023S023E36E01M	23.0	--	--	18	0	6.2	0.70	69
023S027E27N01M	27.5	--	--	28	0	10	0.80	130
023S027E29J01M	23.5	--	--	170	44	48	11	78
023S027E27B01M	26.0	--	--	55	0	16	3.6	98
023S018E30A02M	26.0	--	--	330	220	53	47	280
023S026E07J02M	22.0	--	--	73	0	23	3.7	27
023S026E03H02M	22.0	--	--	160	0	46	10	27
022S017E36R01M	24.5	--	--	440	340	94	49	190
022S017E26A01M	27.0	--	--	150	120	55	2.1	240
022S019E29D01M	25.0	--	--	200	48	62	10	310
022S019E19C01M	25.0	--	--	50	0	15	2.9	150
022S026E18A01M	21.5	--	--	130	0	43	5.0	31
022S024E02A01M	22.0	--	--	110	0	41	2.7	67
021S023E31R01M	23.5	--	--	810	420	290	20	310
021S024E31P02M	22.5	--	--	99	0	33	3.9	27
021S026E34H03M	22.0	--	--	150	0	50	7.2	37
021S025E31G02M	22.0	--	--	19	0	7.3	0.10	49
021S025E26H01M	22.0	--	--	310	12	99	15	34
021S027E15P01M	22.5	--	--	290	65	83	21	32
021S017E14H01M	31.0	--	--	320	220	75	32	130
021S017E12E02M	26.5	--	--	360	260	83	38	120
	25.0	--	--	340	230	77	35	110
021S025E10D03M	22.0	--	--	320	9	100	17	42
021S022E02F01M	21.0	--	--	220	95	85	2.7	88
020S018E33E03M	24.5	--	--	400	320	94	39	170
020S016E30L01M	25.0	--	--	830	700	100	140	260
020S015E26L02M	23.5	--	--	670	500	70	120	230
020S018E24R01M	20.0	3.7	762	1700	1600	520	100	140
020S020E10L01M	25.0	--	--	26	0	6.9	2.2	190
020S021E09C01M	22.5	--	--	15	0	3.5	1.6	230
020S021E01Q01M	22.5	--	--	72	0	19	5.8	190
019S020E33A01M	23.5	--	--	10	0	2.8	0.70	120
019S019E30N01M	22.0	4.9	762	2000	1800	510	180	590
019S020E26N01M	20.5	--	--	67	0	14	7.8	340
019S019E21C01M	27.5	--	--	52	0	19	1.0	200
019S019E07N01M	21.0	4.6	762	2100	1800	470	220	890
019S022E07M01M	22.0	--	--	51	0	19	0.90	73
019S018E10D01M	24.0	4.3	763	1700	1500	470	130	350
019S018E02N01M	21.5	5.0	762	490	270	140	34	150
018S021E32R01M	21.0	--	--	3	0	1.3	0.01	59
018S021E32K01M	27.0	--	--	4	0	1.4	0.07	100
018S019E31G01M	27.5	--	--	61	0	22	1.5	170

TABLE 3.--Continued

WELL NO.	PERCENT SODIUM	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, CARBONATE IT-FLD (MG/L AS CAC03)	CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)	SULFATE, DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	BROMIDE, DISSOLVED (MG/L AS BR)
027S024E09A02M	42	1.1	39	1.2	65	55	<0.1	0.19
027S023E01H01M	50	0.70	34	0.4	240	78	<0.1	0.24
026S025E27C01M	26	1.3	127	2.1	15	10	<0.1	0.03
026S026E18H02M	27	4.5	38	1.8	600	200	<0.1	0.59
026S027E09G02M	60	8.2	158	3.8	150	94	0.4	0.42
026S025E12D01M	92	0.30	48	0.0	28	11	0.3	0.03
025S023E30R01M	86	0.20	53	0.1	69	53	0.5	0.10
025S026E30M02M	31	6.6	109	5.3	910	370	<0.1	1.1
025S020E27B03M	60	2.0	93	4.2	1500	310	0.3	1.5
025S023E21J01M	93	0.20	64	0.0	14	13	0.7	0.03
025S026E20F01M	49	2.7	89	2.7	57	47	0.2	0.19
025S025E02R02M	62	1.9	92	1.1	48	34	0.3	0.13
024S023E36H02M	96	0.30	56	0.4	21	25	0.8	0.07
024S024E28Q01M	86	0.40	50	0.2	65	66	0.6	0.23
024S025E22P01M	41	3.3	88	2.5	49	48	0.1	0.16
024S025E19F01M	49	0.60	102	1.1	8.5	8.2	0.2	0.04
024S026E19D01M	81	1.2	69	0.1	15	10	0.2	0.04
024S027E22C01M	89	1.4	93	1.1	92	50	0.3	0.22
023S023E36E01M	88	1.2	153	1.5	7.0	10	1.3	0.04
023S027E27N01M	90	1.6	114	0.9	38	120	0.6	0.48
023S027E29J01M	50	3.4	122	2.8	72	72	0.1	0.40
023S027E27B01M	79	2.8	122	1.5	54	32	0.2	0.15
023S018E30A02M	65	2.3	107	2.1	730	46	0.1	0.26
023S026E07J02M	44	1.6	94	1.4	15	15	0.3	0.03
023S026E03H02M	27	1.4	162	5.0	26	8.5	0.2	0.05
022S017E36R01M	48	2.8	98	2.4	610	48	0.1	0.33
022S017E26A01M	78	1.5	30	0.4	550	48	0.2	0.25
022S019E29D01M	77	1.0	149	2.1	380	310	<0.1	1.4
022S019E19C01M	87	0.80	102	0.6	260	28	0.1	0.11
022S026E18A01M	34	2.5	153	3.7	14	9.9	<0.1	0.03
022S024E02A01M	56	0.60	153	3.7	35	41	<0.1	0.11
021S023E31R01M	46	1.2	384	30	410	370	0.2	0.22
021S024E31P02M	37	0.50	140	3.4	5.7	6.8	0.2	0.03
021S026E34H03M	34	1.9	178	2.7	29	7.3	0.1	0.04
021S025E31G02M	85	0.30	78	0.2	13	11	0.2	0.04
021S025E26H01M	19	2.0	298	32	25	25	<0.1	0.07
021S027E15P01M	19	2.3	230	11	19	38	0.2	0.12
021S017E14H01M	47	2.8	100	2.8	450	36	0.2	0.17
021S017E12E02M	42	3.0	102	4.0	460	27	0.2	--
	41	3.0	109	3.3	470	26	0.2	0.08
021S025E10D03M	22	2.9	312	30	34	25	<0.1	0.08
021S022E02F01M	46	0.80	129	3.5	180	88	<0.1	0.12
020S018E33E03M	48	1.9	76	2.3	640	56	0.2	--
020S016E30L01M	40	4.3	125	5.1	890	200	0.2	0.64
020S015E26L02M	43	4.7	169	3.1	740	170	0.2	0.57
020S018E24R01M	15	0.50	103	6.3	1700	98	0.7	--
020S020E10L01M	94	1.6	398	4.1	28	33	0.2	0.06
020S021E09C01M	97	1.0	--	0	21	29	0.7	0.32
020S021E01Q01M	85	0.70	244	3.0	46	160	0.4	0.10
019S020E33A01M	96	1.0	224	1.0	10	30	0.5	0.09
019S019E30N01M	39	1.1	173	11	2900	170	0.3	--
019S020E26N01M	92	0.90	694	8.9	150	32	1.9	0.04
019S019E21C01M	89	1.7	--	0	9.0	88	0.3	0.38
019S019E07N01M	48	1.8	307	19	3500	61	0.2	--
019S022E07M01M	75	0.80	155	1.9	34	14	0.6	<0.01
019S018E10D01M	31	2.0	213	26	1900	180	0.2	--
019S018E02N01M	40	2.8	224	14	460	77	0.3	--
018S021E32R01M	97	0.20	117	0.1	11	42	0.8	<0.01
018S021E32K01M	98	0.50	208	0.2	6.1	15	1.7	0.03
018S019E31G01M	85	1.5	296	2.5	66	87	0.5	--

TABLE 3.--Continued

WELL NO.	IODIDE, DIS-SOLVED (MG/L AS I)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRITE, DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3, DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC, TOTAL (MG/L AS C)	CARBON, ORGANIC, DIS-SOLVED (MG/L AS C)
027S024E09A02M	0.001	21	250	<0.01	6.1	<0.01	0.6	--
027S023E01H01M	0.002	17	540	<0.01	6	0.06	0.6	--
026S025E27C01M	0.002	24	180	<0.01	0.28	0.01	1.1	--
026S026E18H02M	0.006	27	1200	<0.01	46	<0.01	0.7	--
026S027E09G02M	0.007	65	580	<0.01	<0.10	0.05	0.7	--
026S025E12D01M	0.002	19	150	<0.01	0.82	0.01	0.3	--
025S023E30R01M	0.001	23	260	<0.01	0.24	0.08	0.1	--
025S026E30M02M	0.088	55	2000	<0.01	20	0.01	1.0	--
025S020E27B03M	0.140	43	2700	<0.01	3.7	<0.01	0.2	--
025S023E21J01M	0.002	25	140	0.04	0.16	0.02	1.0	--
025S026E20F01M	0.002	66	330	<0.01	13	<0.01	0.5	--
025S025E02R02M	0.010	55	280	<0.01	8.2	<0.01	0.4	--
024S023E36H02M	0.011	34	170	<0.01	<0.10	0.23	0.3	--
024S024E28Q01M	0.036	34	290	<0.01	0.22	0.04	0.4	--
024S025E22P01M	0.002	51	300	<0.01	13	<0.01	1.4	--
024S025E19F01M	0.001	62	190	<0.01	1.1	<0.01	0.1	--
024S026E19D01M	0.001	37	160	<0.01	0.96	<0.01	0.1	--
024S027E22C01M	0.580	44	350	0.02	0.29	0.01	1.8	--
023S023E36E01M	0.008	44	230	<0.01	<0.10	0.07	2.3	--
023S027E27N01M	0.650	29	400	0.13	4.5	0.01	0.5	--
023S027E29J01M	0.022	26	380	<0.01	3.6	0.01	0.8	--
023S027E27B01M	0.031	21	300	<0.01	14	<0.01	0.5	--
023S018E30A02M	0.027	47	1300	--	3.2	--	0.4	--
023S026E07J02M	0.040	25	170	<0.01	2.1	<0.01	1.4	--
023S026E03H02M	0.001	31	250	0.01	5.7	0.01	1.3	--
022S017E36R01M	0.024	34	1100	<0.01	20	<0.01	<0.1	--
022S017E26A01M	0.033	28	950	0.26	5.4	0.01	0.3	--
022S019E29D01M	0.140	29	1200	<0.01	<0.10	0.03	1.0	--
022S019E19C01M	0.058	29	560	<0.01	<0.10	0.02	2.5	--
022S026E18A01M	<0.001	22	220	<0.01	4.6	<0.01	0.1	--
022S024E02A01M	0.001	25	310	<0.01	4.7	<0.01	0.3	--
021S023E31R01M	0.330	37	1700	<0.01	<0.10	<0.01	5.6	--
021S024E31P02M	0.002	34	200	<0.01	0.39	<0.01	0.3	--
021S026E34H03M	0.001	28	270	<0.01	4.2	0.04	0.5	--
021S025E31G02M	0.001	18	150	<0.01	1.3	<0.01	<0.1	--
021S025E26H01M	<0.001	36	420	<0.01	2.1	0.01	0.4	--
021S027E15P01M	0.002	33	370	<0.01	12	<0.01	1.6	--
021S017E14H01M	0.018	27	810	0.06	2.5	0.02	0.3	--
021S017E12E02M	--	28	820	<0.01	1.4	0.02	0.2	--
	0.003	26	810	0.02	1.5	0.01	0.1	--
021S025E10D03M	0.001	59	470	<0.01	12	0.01	0.4	--
021S022E02F01M	0.013	17	540	<0.01	<0.10	<0.01	1.3	--
020S018E33E03M	--	26	1100	<0.01	2.1	<0.01	0.1	--
020S016E30L01M	0.057	26	1700	<0.01	4.9	0.01	0.4	--
020S015E26L02M	0.032	0.3	1400	<0.01	20	0.02	0.4	--
020S018E24R01M	--	41	2700	<0.01	14	0.01	--	1.8
020S020E10L01M	0.058	43	550	0.01	<0.10	1.3	9.9	--
020S021E09C01M	0.012	27	--	0.02	0.87	0.81	13	--
020S021E01Q01M	0.018	24	590	0.01	0.12	0.14	1.4	--
019S020E33A01M	0.300	21	360	0.03	0.13	0.75	4.4	--
019S019E30N01M	--	0.3	4500	<0.01	17	0.02	--	2.0
019S020E26N01M	0.060	22	990	<0.01	0.16	1.5	8.7	--
019S019E21C01M	0.057	36	--	<0.01	<0.10	0.04	11	--
019S019E07N01M	--	23	5400	<0.01	23	0.04	--	3.4
019S022E07M01M	0.027	31	270	0.01	0.34	0.05	0.7	--
019S018E10D01M	--	26	3200	<0.01	33	0.02	--	1.2
019S018E02N01M	--	37	1000	<0.01	14	0.06	--	3.2
018S021E32R01M	0.004	29	230	<0.01	<0.10	0.21	1.4	--
018S021E32K01M	0.010	18	290	<0.01	<0.10	0.07	3.1	--
018S019E31G01M	--	35	590	0.02	<0.10	0.02	5.4	--

TABLE 3.--Continued

WELL NO.	STATION NO.	DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE SEA LEVEL)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
018S017E27F01M	362009120064201	03-27-85	1030	1697	285	1590	7.9	25.5	--
018S017E27F02M	362019120064201	03-27-85	0930	60	283	7600	7.5	20.0	--
		05-15-85	1205	60	283	7760	7.6	21.0	--
018S017E25A01M	362026120040001	03-20-86	0830	30	265	3770	7.6	17.5	5.0
018S016E22N03M	362031120134201	03-25-86	1600	26	303	3870	7.4	20.0	3.2
018S016E20R02M	362031120144801	03-18-86	1730	30	328	8030	7.5	17.5	4.3
018S017E24N04M	362034120050201	03-11-86	1530	30	268	6340	7.9	19.0	2.2
018S017E21N01M	362034120081401	03-12-86	1045	30	290	647	7.7	16.5	3.5
018S016E23A03M	362120120114001	03-12-86	1330	20	284	3700	7.4	20.0	1.1
018S017E20D01M	362124120092201	03-12-86	1630	30	290	808	7.5	19.0	2.3
018S019E02R01M	362317119522201	05-15-85	1415	240	219	535	9.3	22.0	--
017S018E35R02M	362403119583501	05-16-85	0900	350	212	721	8.3	21.0	--
017S016E29N02M	362452120155101	03-21-86	0845	30	298	4140	7.2	19.0	2.5
017S016E20N01M	362545120155301	03-26-86	0915	50	288	5130	6.7	20.5	1.2
017S017E16Q01M	362630120073901	05-16-85	1305	480	217	1860	7.7	23.5	--
017S016E04N03M	362822120144801	03-18-86	1200	20	256	4040	7.3	21.0	2.1
017S018E02A02M	362907119584901	05-16-85	1040	336	202	824	7.5	20.5	--
017S016E04D01M	362913120144801	03-18-86	1430	20	246	4630	7.5	19.5	3.8
016S015E21N01M	363058120210501	03-19-86	1030	30	307	3030	7.1	20.0	2.6
016S015E20E02M	363127120221101	03-19-86	0830	30	327	12000	7.6	18.0	3.0
016S015E14D01M	363240120185501	03-18-86	0900	31	241	585	7.9	15.5	2.8
016S015E07N02M	363243120231901	03-17-86	1400	20	304	4850	7.5	19.0	1.8
015S014E32D01M	363520120284201	03-19-86	1445	20	312	5470	7.1	19.5	0.9
015S014E29D01M	363612120284201	03-19-86	1645	20	304	5640	7.3	19.0	2.5
015S015E15D01M	363754120200001	04-03-86	1200	20	167	33800	7.4	21.0	1.2
015S015E17A03M	363754120210701	04-03-86	1030	20	174	46500	8.0	19.5	1.0
015S014E14D02M	363755120252501	04-02-86	1615	29	222	5100	7.2	17.0	2.6
015S014E17A01M	363756120273701	04-03-86	1530	20	255	5270	7.2	21.5	0.8
015S014E17D01M	363756120284001	03-21-86	1130	30	276	10200	7.3	25.0	2.5
015S014E12R01M	363757120231701	04-03-86	0845	20	195	17000	7.7	16.0	1.6
015S015E09R01M	363801120195901	03-26-85	1200	200	168	537	7.7	14.5	--
015S015E08D01M	363847120221101	04-02-86	0915	19	182	45700	8.0	16.0	1.0
015S014E11D03M	363847120252401	04-02-86	1430	20	221	10400	7.3	18.0	0.9
015S014E01R01M	363849120231701	04-02-86	1215	11	192	9300	7.5	19.5	1.2
015S014E01N03M	363849120242001	04-01-86	1245	30	205	5980	7.4	22.5	0.7
015S014E04R01M	363849120263201	03-31-86	1615	20	240	6480	7.3	24.0	1.1
015S014E04N01M	363849120273501	03-28-86	0930	29	255	1710	7.4	19.0	3.5
015S014E06R01M	363850120284201	03-27-86	1400	30	274	1450	7.5	23.0	3.7
015S016E05J01M	363907120144401	03-25-85	1600	913	162	1170	8.0	23.0	--
		05-14-85	1100	913	162	2080	8.1	24.0	--
015S015E04A01M	363939120200201	04-01-86	1730	28	164	11400	3.8	19.0	0.7
015S015E06D03M	363939120231401	04-01-86	1430	--	191	10700	7.5	22.0	3.4
015S014E01D02M	363940120241901	04-01-86	1100	20	206	4350	7.2	21.0	1.1
015S014E03A01M	363940120252601	04-01-86	0845	20	222	7460	7.1	18.0	0.9
015S014E05D01M	363940120283901	03-27-86	1530	20	273	3730	7.1	21.0	2.6
015S014E06D03M	363940120294401	03-26-86	1130	30	293	4250	7.3	21.0	4.3
014S015E33R04M	363942120200701	04-03-86	1700	30	164	--	--	--	--
014S013E13G01M	364258120301301	02-28-85	1500	1352	273	2740	8.0	28.5	--
014S014E07N02M	364311120294201	03-26-86	1330	30	261	3500	7.3	21.5	3.1
014S014E09Q01M	364313120265701	02-28-85	1245	1249	230	2460	8.0	27.5	--
014S013E12P01M	364313120302801	02-28-85	1415	1400	272	2730	7.9	29.5	--
013S015E34J07M	364523120185901	03-26-85	0930	224	163	399	8.6	18.5	--
013S013E23N02M	364641120315001	03-26-86	1540	28	233	1890	7.6	21.0	2.3
013S013E16N02M	364734120335901	03-27-86	0930	29	234	2000	7.5	20.5	3.0
013S015E18Q02M	364747120223402	05-13-85	1330	220	160	459	8.5	21.0	--
013S013E07R01M	364826120350401	03-27-86	1115	32	226	3140	7.6	21.0	1.7
013S014E03B01M	365000120253801	05-15-85	1200	240	151	686	7.4	19.0	--
013S012E04A01M	365004120392401	04-10-85	0800	--	--	4250	7.2	17.0	--
013S012E04A02M	365004120392402	04-10-85	0830	--	--	6180	7.4	16.0	--
013S012E04A03M	365004120392403	04-10-85	0900	--	--	2410	7.1	20.0	--

TABLE 3.--Continued

WELL NO.	BAROMETRIC PRESSURE (MM OF HG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L AS CACO3)	CALCIUM, DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, CARBONATE IT-FLD (MG/L AS CACO3)	CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)
018S017E27F01M	--	420	330	92	47	200	50	3.1	94	2.3
018S017E27F02M	--	2000	1900	400	240	1300	59	0.80	120	7.3
	--	2000	1900	400	240	1200	57	2.0	114	5.5
018S017E25A01M	761	650	420	130	80	610	67	2.4	232	11
018S016E22N03M	760	1000	800	310	62	540	53	0.90	230	18
018S016E20R02M	757	1800	1600	520	110	1600	67	2.0	177	11
018S017E24N04M	755	2100	1900	470	220	980	51	1.4	208	5.1
018S017E21N01M	755	130	0	39	9.0	78	56	0.70	177	6.7
018S016E23A03M	755	1600	1400	450	120	360	33	2.6	236	19
018S017E20D01M	755	250	130	68	20	47	29	2.0	124	7.6
018S019E02R01M	--	3	0	1.2	0.04	110	99	0.30	145	0.1
017S018E35R02M	--	66	0	21	3.3	200	87	1.1	355	3.4
017S016E29N02M	762	1400	1200	400	100	490	43	1.4	188	23
017S016E20N01M	758	1700	1100	420	160	430	35	2.2	600	232
017S017E16Q01M	--	510	430	150	34	220	48	2.5	80	3.1
017S016E04N03M	760	2200	2000	540	210	260	20	1.9	239	25
017S018E02A02M	--	150	0	59	1.2	150	68	0.90	257	16
017S016E04D01M	760	2300	2100	500	250	460	31	1.2	189	11
016S015E21N01M	760	1800	1700	650	50	120	12	3.8	175	27
016S015E20E02M	759	1800	1600	450	160	2600	76	8.3	172	8.4
016S015E14D01M	760	220	73	63	16	36	25	10	150	4.0
016S015E07N02M	753	2200	2000	800	58	430	29	7.5	192	12
015S014E32D01M	759	1600	1300	520	70	800	52	8.2	333	51
015S014E29D01M	759	1500	1200	540	30	950	58	8.0	242	23
015S015E15D01M	757	3700	3200	230	750	10000	86	7.5	495	38
015S015E17A03M	757	1400	960	110	270	16000	96	6.6	422	8.1
015S014E14D02M	756	1900	1400	610	80	630	42	2.3	405	49
015S014E17A01M	753	1900	1700	600	100	630	42	5.7	250	31
015S014E17D01M	763	1500	1100	420	110	2500	78	6.4	440	43
015S014E12R01M	757	1800	1600	430	170	3800	82	4.5	192	7.4
015S015E09R01M	--	140	43	32	15	60	47	2.5	99	3.8
015S015E08D01M	759	3800	3600	110	850	15000	90	10	222	4.3
015S014E11D03M	757	2200	2000	570	190	2000	66	7.0	173	17
015S014E01R01M	759	2200	2100	560	200	1600	61	1.8	136	8.3
015S014E01N03M	756	2200	1900	450	250	820	45	1.9	229	18
015S014E04R01M	752	1600	1400	520	81	1200	61	4.1	188	18
015S014E04N01M	754	660	390	220	27	110	26	3.6	267	21
015S014E06R01M	757	550	290	190	18	120	32	3.0	257	16
015S016E05J01M	--	44	0	15	1.7	230	91	2.4	117	1.9
	--	44	0	15	1.6	230	91	2.2	116	1.8
015S015E04A01M	757	4700	0	440	870	1500	41	3.9	--	0
015S015E06D03M	756	1900	1600	450	180	2100	71	3.0	249	15
015S014E01D02M	757	1800	1600	480	150	530	39	1.5	187	23
015S014E03A01M	755	2100	1600	510	200	1200	55	4.4	461	71
015S014E05D01M	753	1700	1400	590	66	320	28	7.8	328	50
015S014E06D03M	758	2200	1900	550	190	410	29	3.5	250	24
014S015E33R04M	--	1800	0	300	250	3000	79	5.1	--	--
014S013E13G01M	--	240	59	56	24	360	76	3.3	180	3.5
014S014E07N02M	758	1000	770	350	30	470	51	3.2	230	22
014S014E09Q01M	--	150	0	42	10	370	84	2.9	166	3.2
014S013E12P01M	--	200	26	54	17	460	83	3.0	179	4.4
013S015E34J07M	--	2	0	0.60	0.09	91	99	0.50	147	0.6
013S013E23N02M	758	120	0	35	8.0	400	88	0.90	563	27
013S013E16N02M	757	570	130	180	30	250	49	1.6	441	27
013S015E18Q02M	--	9	0	2.3	0.70	74	94	0.70	115	0.7
013S013E07R01M	757	1200	1000	350	80	400	42	1.3	154	7.5
013S014E03B01M	--	200	72	39	26	60	38	3.4	132	10
013S012E04A01M	746	--	--	--	--	--	--	--	398	49
013S012E04A02M	746	1800	1300	490	130	1000	55	2.4	436	34
013S012E04A03M	746	840	410	230	64	250	39	9.2	426	66

TABLE 3.--Continued

WELL NO.	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)	NITRO-GEN, NITRITE, DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3, DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC, TOTAL (MG/L AS C)	CARBON, ORGANIC, DIS-SOLVED (MG/L AS C)
018S017E27F01M	610	91	0.2	19	1100	0.03	0.41	<0.01	0.4	--
018S017E27F02M	3700	600	0.3	27	6300	<0.01	38	<0.01	1.1	--
	3500	590	0.3	26	6000	<0.01	35	0.02	1.6	--
018S017E25A01M	1300	360	0.3	23	2600	<0.01	31	0.06	--	2.0
018S016E22N03M	1600	210	0.2	30	2900	<0.01	41	0.03	--	3.2
018S016E20R02M	4200	380	0.2	44	7000	<0.01	67	0.04	--	8.3
018S017E24N04M	3800	40	0.2	24	5700	<0.01	9.5	0.04	--	3.1
018S017E21N01M	45	43	0.5	21	340	<0.01	10	0.03	--	0.9
018S016E23A03M	1800	290	0.4	24	3200	0.06	26	0.04	--	6.2
018S017E20D01M	80	42	0.3	17	350	<0.01	33	0.05	--	4.3
018S019E02R01M	53	27	0.7	19	310	<0.01	<0.10	0.14	2.0	--
017S018E35R02M	68	65	0.5	21	590	<0.01	<0.10	0.04	2.8	--
017S016E29N02M	1900	210	0.2	37	3300	0.01	47	0.04	--	2.4
017S016E20N01M	2200	430	<0.1	55	4100	0.28	2.6	0.05	--	58
017S017E16Q01M	820	81	0.2	24	1400	<0.01	<0.10	0.01	<0.1	--
017S016E04N03M	2400	100	0.1	52	3700	<0.01	6.7	0.04	--	1.5
017S018E02A02M	99	92	<0.1	25	580	<0.01	<0.10	<0.01	1.1	--
017S016E04D01M	5900	42	0.1	42	7300	<0.01	4.5	0.09	--	1.6
016S015E21N01M	1700	67	0.3	56	2800	<0.01	6.5	0.04	--	3.1
016S015E20E02M	6300	580	<0.1	48	10000	<0.01	190	0.08	--	8.1
016S015E14D01M	140	18	0.3	21	400	0.07	17	0.91	--	8.4
016S015E07N02M	2000	470	0.3	62	3900	0.02	150	0.06	--	6.4
015S014E32D01M	2700	190	0.2	55	4500	0.01	24	0.04	--	5.7
015S014E29D01M	3200	75	0.2	55	5000	<0.01	29	0.04	--	3.7
015S015E15D01M	23000	3000	0.2	29	37000	0.04	120	0.15	--	66
015S015E17A03M	37000	2300	<0.1	23	56000	2.10	92	0.62	--	34
015S014E14D02M	2200	300	0.2	48	4100	<0.01	110	0.03	--	10
015S014E17A01M	2500	250	0.1	47	4300	0.15	62	0.04	--	4.9
015S014E17D01M	6000	130	0.3	49	9500	0.01	27	0.06	--	8.0
015S014E12R01M	7200	1700	<0.1	55	14000	<0.01	120	0.14	--	14
015S015E09R01M	86	62	0.1	12	330	<0.01	0.29	0.05	16	--
015S015E08D01M	38000	2300	<0.1	11	57000	0.17	40	0.20	--	26
015S014E11D03M	5500	670	0.3	49	9100	0.03	130	0.13	--	6.3
015S014E01R01M	3500	1500	<0.1	43	7500	0.02	24	0.07	--	4.7
015S014E01N03M	3500	150	0.2	67	5400	0.03	4.5	0.13	--	2.8
015S014E04R01M	3700	230	0.1	44	5900	<0.01	53	0.03	--	1.6
015S014E04N01M	250	190	0.2	28	990	<0.01	58	0.03	--	5.2
015S014E06R01M	190	110	0.2	39	830	<0.01	48	0.02	--	3.6
015S016E05J01M	330	58	0.8	66	760	<0.01	<0.10	0.05	0.2	--
	340	55	0.9	67	780	<0.01	<0.10	0.05	0.1	--
015S015E04A01M	7700	890	2.2	110	--	<0.01	<0.10	0.06	--	4.9
015S015E06D03M	4500	1300	0.1	35	8700	0.05	46	0.06	--	7.7
015S014E01D02M	2700	65	0.1	46	4100	0.09	14	0.04	--	2.8
015S014E03A01M	3500	790	0.2	46	6500	<0.01	9.0	0.03	--	7.2
015S014E05D01M	1600	220	0.3	44	3000	<0.01	21	0.05	--	5.4
015S014E06D03M	2700	46	0.1	45	4100	<0.01	11	0.03	--	3.0
014S015E33R04M	7800	470	0.4	22	--	--	--	--	--	--
014S013E13G01M	510	250	0.4	52	1400	0.02	0.70	0.06	0.9	--
014S014E07N02M	1300	320	0.2	42	2700	<0.01	31	0.03	--	1.9
014S014E09Q01M	450	250	0.5	52	1300	<0.01	<0.10	0.05	0.3	--
014S013E12P01M	470	410	0.3	50	1600	<0.01	<0.10	0.06	0.6	--
013S015E34J07M	23	38	0.1	32	290	<0.01	<0.10	0.16	0.3	--
013S013E23N02M	310	79	0.7	46	1200	<0.01	18	0.07	--	2.2
013S013E16N02M	710	120	0.2	41	1600	<0.01	5.9	0.03	--	1.7
013S015E18Q02M	23	35	0.2	31	240	<0.01	<0.10	0.32	0.8	--
013S013E07R01M	1800	56	0.3	39	2800	0.01	4.8	0.03	--	1.5
013S014E03B01M	81	89	0.2	39	420	<0.01	<0.10	0.02	0.8	--
013S012E04A01M	2100	140	0.3	39	--	<0.01	17	0.01	17	--
013S012E04A02M	3200	250	0.4	39	5400	<0.01	16	0.02	23	--
013S012E04A03M	610	210	0.3	27	1700	<0.01	21	0.02	16	--

TABLE 3.--Continued

WELL NO.	STATION NO.	DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE, WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)	BAROMETRIC PRESSURE (MM OF HG)
013S012E04A04M	365004120392404	04-10-85	1030	2700	7.3	20.0	--	746
013S012E04A05M	365004120392405	04-10-85	1145	4030	7.1	14.0	--	746
013S012E04A06M	365004120392406	04-10-85	1215	4590	7.1	19.5	--	745
013S012E04A07M	365004120392407	04-10-85	1300	5730	7.2	20.0	--	745
013S012E04A08M	365004120392408	04-10-85	1345	2260	7.4	22.5	--	745
013S012E04A09M	365004120392409	04-10-85	1530	3010	7.2	18.0	--	745
013S012E04A10M	365004120392410	04-10-85	1615	2930	7.4	22.0	--	745
013S012E04A11M	365004120392411	04-11-85	0815	6300	7.2	20.5	--	763
013S012E04A12M	365004120392412	04-11-85	0820	7750	7.3	18.0	--	764
013S012E04A13M	365004120392413	04-11-85	0815	8450	7.6	19.0	--	764
013S012E04A14M	365004120392414	04-11-85	0930	5550	7.2	--	--	--
012S013E35N01M	365018120312601	03-18-85	1232	4750	7.0	15.5	1.5	760
012S013E35N02M	365018120312602	03-18-85	1700	5080	7.1	13.5	1.9	747
012S013E35N04M	365018120312604	03-19-85	1020	5320	7.2	15.0	--	--
012S013E35N05M	365018120312605	03-19-85	0900	6850	7.5	--	5.2	752
012S013E35N06M	365018120312606	03-19-85	1320	7470	7.1	16.0	--	--
012S013E35N07M	365018120312607	03-19-85	1000	11400	7.4	17.0	--	--
012S013E35N08M	365018120312608	03-19-85	1100	11300	--	16.5	--	--
012S013E35N09M	365018120312609	03-19-85	1807	9800	7.3	15.0	--	--
012S013E35N10M	365018120312610	03-20-85	0955	6280	7.1	17.0	--	--
012S013E35N11M	365018120312611	03-20-85	1020	5910	7.1	17.5	--	--
012S013E35N12M	365018120312612	03-21-85	1140	8640	7.2	12.0	--	--
012S013E35N13M	365018120312613	03-21-85	1325	5540	7.3	18.0	--	--
012S013E35N14M	365018120312614	03-21-85	0855	5960	7.5	14.5	--	--
012S013E35N15M	365018120312615	03-21-85	1000	4940	8.2	13.5	--	--
012S013E35N16M	365018120312616	03-21-85	0910	7560	8.2	15.0	--	--
012S013E35N17M	365018120312617	03-21-85	1740	5200	7.4	17.0	--	--
012S013E35N18M	365018120312618	03-20-85	1639	6200	7.1	19.0	--	--
012S013E35N19M	365018120312619	03-20-85	1455	7280	7.5	22.0	--	--
012S013E35N21M	365018120312621	03-20-85	1344	5470	7.4	19.0	--	--
012S013E35N22M	365018120312622	03-20-85	1400	8540	8.0	24.0	--	--
012S013E35N23M	365018120312623	03-20-85	1130	8490	7.6	19.0	--	--
012S013E35N24M	365018120312624	03-20-85	1120	5750	7.1	19.0	--	--
012S013E35N25M	365018120312625	03-21-85	1358	6380	7.3	19.5	--	--
012S013E35N26M	365018120312626	03-21-85	1454	6710	7.3	19.0	--	--
012S013E35N27M	365018120312627	03-21-85	1111	9000	7.4	15.0	--	--
012S013E31A01M	365102120344701	04-02-85	0900	29100	7.7	18.5	1.3	751
012S013E31A02M	365102120344702	04-02-85	1045	35700	7.7	20.5	1.2	--
012S013E31A03M	365102120344703	04-02-85	1200	34100	7.5	20.0	1.0	--
012S013E31A04M	365102120344704	04-02-85	1330	32800	7.3	20.0	1.0	760
012S013E31A05M	365102120344705	04-02-85	1414	22100	7.6	20.0	1.2	747
012S013E31A06M	365102120344706	04-02-85	1515	28300	7.3	17.5	1.0	746
012S013E31A07M	365102120344707	04-03-85	0900	29700	7.6	17.0	1.4	745
012S013E31A08M	365102120344708	04-03-85	1000	37100	7.6	17.0	1.5	745
012S013E31A09M	365102120344709	04-03-85	1030	36100	7.5	21.0	1.2	745
012S013E31A10M	365102120344710	04-03-85	1030	39200	7.7	20.5	1.7	744
012S013E31A11M	365102120344711	04-03-85	1100	34300	7.7	23.0	1.6	744
012S013E31A12M	365102120344712	04-03-85	1145	31100	7.4	21.0	1.2	743
012S013E31A13M	365102120344713	04-03-85	1200	28100	7.4	21.5	0.6	745
012S013E31A14M	365102120344714	04-03-85	1300	19000	7.4	20.0	1.1	745
012S013E31A15M	365102120344715	04-03-85	1400	24100	7.5	20.0	1.2	754
012S013E31A16M	365102120344716	04-04-85	0700	2700	7.3	18.5	0.6	742
012S013E31A17M	365102120344717	04-04-85	0800	20800	7.8	23.0	1.3	744
012S013E31A18M	365102120344718	04-04-85	0900	27600	7.5	20.5	0.4	744
012S013E31A19M	365102120344719	04-04-85	1000	30400	7.4	20.0	1.3	745
012S013E31A20M	365102120344720	04-04-85	1100	27800	7.3	20.0	1.1	742
012S013E31A21M	365102120344721	04-04-85	1200	28900	7.4	20.5	0.5	--
012S013E31A22M	365102120344722	04-04-85	1300	27300	7.3	18.0	0.3	744
012S013E31A23M	365102120344723	04-04-85	1400	28000	7.4	19.0	0.6	747
012S013E31A24M	365102120344724	04-04-85	1500	30600	7.2	19.0	0.8	743

TABLE 3.--Continued

WELL NO.	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L AS CACO3)	CALCIUM, DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, CARBONATE IT-FLD (MG/L AS CAC03)	CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)
013S012E04A04M	760	290	220	50	380	52	1.1	469	45
013S012E04A05M	1300	820	380	85	500	46	2.2	476	73
013S012E04A06M	1400	1000	400	95	520	45	2.6	345	53
013S012E04A07M	2000	1700	580	140	800	46	2.0	352	43
013S012E04A08M	410	46	120	27	310	62	1.6	365	28
013S012E04A09M	640	110	190	41	360	55	1.2	534	65
013S012E04A10M	590	130	170	40	330	55	2.3	464	36
013S012E04A11M	2000	1700	580	140	570	38	2.1	349	43
013S012E04A12M	2200	1800	600	160	870	47	2.0	351	34
013S012E04A13M	--	--	--	--	--	--	--	292	14
013S012E04A14M	1800	1600	530	110	470	37	2.1	160	20
012S013E35N01M	1700	1300	510	100	750	49	2.3	375	73
012S013E35N02M	1700	1300	400	170	700	47	3.1	349	54
012S013E35N04M	1800	1500	490	150	780	48	1.9	334	41
012S013E35N05M	1900	1500	460	180	1400	62	3.5	341	21
012S013E35N06M	1800	1400	450	160	1300	61	2.5	379	58
012S013E35N07M	2400	2300	500	280	2000	64	4.1	120	9.2
012S013E35N08M	2200	1800	500	230	2500	71	6.1	379	--
012S013E35N09M	1800	1400	440	170	2200	73	2.1	427	41
012S013E35N10M	1900	1500	510	150	1000	53	1.9	373	57
012S013E35N11M	2000	1600	550	150	840	48	2.4	345	53
012S013E35N12M	2000	0	490	180	1800	67	2.3	--	0
012S013E35N13M	1800	0	500	130	860	51	2.4	--	0
012S013E35N14M	1900	1500	500	150	980	53	3.5	380	23
012S013E35N15M	1900	1600	530	140	670	43	2.9	325	3.9
012S013E35N16M	2200	1900	500	230	1400	58	4.0	330	4.0
012S013E35N17M	1800	1500	490	150	730	46	2.4	349	27
012S013E35N18M	1800	1400	460	160	1100	57	1.8	366	56
012S013E35N19M	1800	1500	460	170	1400	62	2.8	334	20
012S013E35N21M	2100	1700	510	190	800	46	2.8	379	29
012S013E35N22M	1800	1500	460	170	1700	67	3.6	380	7.3
012S013E35N23M	2000	1600	470	200	1800	66	3.3	402	20
012S013E35N24M	2000	1600	520	160	930	51	2.4	344	53
012S013E35N25M	1900	1600	480	170	1200	58	1.9	342	33
012S013E35N26M	1900	1500	470	170	1200	58	1.9	367	36
012S013E35N27M	2400	0	540	250	1700	61	3.8	--	0
012S013E31A01M	2700	0	460	380	7500	86	6.3	--	19
012S013E31A02M	3400	3000	570	490	8300	84	6.4	431	14
012S013E31A03M	3300	2800	560	460	8500	85	7.2	503	25
012S013E31A04M	2900	2400	590	350	7500	85	5.4	553	44
012S013E31A05M	2900	2300	710	280	5000	79	9.2	605	24
012S013E31A06M	2900	2400	610	340	6300	82	9.8	475	38
012S013E31A07M	3300	2900	670	390	6000	80	6.2	423	17
012S013E31A08M	3200	2800	580	430	8400	85	6.0	442	18
012S013E31A09M	2500	2100	450	340	8200	88	15	470	24
012S013E31A10M	3400	3100	590	480	8900	85	6.0	342	11
012S013E31A11M	3500	0	690	420	5700	78	8.3	--	14
012S013E31A12M	3800	3500	860	400	6500	79	17	327	21
012S013E31A13M	3000	2600	590	380	6200	82	5.0	--	26
012S013E31A14M	2200	1700	500	220	4100	80	7.2	492	31
012S013E31A15M	2700	0	520	340	5500	82	3.8	--	28
012S013E31A16M	3100	2700	670	350	5600	80	5.1	--	34
012S013E31A17M	2200	1500	540	200	4500	82	7.6	--	16
012S013E31A18M	2700	2200	570	320	5900	82	4.9	--	25
012S013E31A19M	3300	2900	700	380	6600	81	5.5	--	25
012S013E31A20M	2600	2100	550	300	6400	84	5.8	--	42
012S013E31A21M	2800	2300	630	300	5600	81	6.9	--	31
012S013E31A22M	3000	2600	700	300	5800	81	5.0	--	32
012S013E31A23M	3300	2900	780	320	5400	78	11	--	26
012S013E31A24M	3300	2900	690	380	6400	81	8.4	--	40

TABLE 3.--Continued

WELL NO.	SULFATE, DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRITE, DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3, DISSOLVED (MG/L AS N)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	CARBON, ORGANIC, TOTAL (MG/L AS C)
013S012E04A04M	710	350	0.3	34	2000	<0.01	15	0.02	8.3
013S012E04A05M	1200	450	0.3	36	2900	<0.01	9.0	0.01	6.5
013S012E04A06M	1600	610	0.2	37	3500	<0.01	12	0.01	26
013S012E04A07M	2600	600	0.2	39	5000	<0.01	22	0.02	8.8
013S012E04A08M	410	190	0.1	29	1300	<0.01	18	0.05	9.0
013S012E04A09M	760	360	0.5	35	2100	<0.01	0.90	0.02	12
013S012E04A10M	780	300	0.5	30	1900	<0.01	24	0.04	5.8
013S012E04A11M	2700	610	0.4	38	4900	<0.01	33	0.02	15
013S012E04A12M	3100	1000	0.2	36	6000	0.01	18	0.02	15
013S012E04A13M	3300	1300	0.2	34	--	0.01	19	0.02	14
013S012E04A14M	2000	770	0.2	25	4000	<0.01	43	0.02	2.5
012S013E35N01M	2500	350	0.8	38	4500	--	--	--	--
012S013E35N02M	--	--	--	--	--	<0.01	20	<0.01	10
012S013E35N04M	--	--	--	--	--	<0.01	8.0	0.02	6.2
012S013E35N05M	3600	540	0.1	38	6400	0.01	22	<0.01	18
012S013E35N06M	3200	580	0.5	42	6000	<0.01	20	0.01	7.8
012S013E35N07M	4100	1500	0.2	33	8500	<0.01	210	0.04	4.8
012S013E35N08M	--	--	--	--	--	--	--	--	8.2
012S013E35N09M	4500	820	1.0	42	8400	<0.01	27	0.02	8.4
012S013E35N10M	3000	530	0.8	39	5500	<0.01	16	0.01	5.9
012S013E35N11M	2700	590	1.1	39	5100	<0.01	27	0.01	7.3
012S013E35N12M	4000	760	1.0	41	--	<0.01	24	0.02	9.8
012S013E35N13M	2900	340	0.5	39	--	<0.01	11	0.02	5.7
012S013E35N14M	3000	370	0.3	35	5300	<0.01	18	0.02	7.6
012S013E35N15M	2500	290	0.3	37	4400	<0.01	17	0.03	8.3
012S013E35N16M	--	--	--	--	--	<0.01	35	0.04	6.9
012S013E35N17M	2800	190	0.4	43	4600	<0.01	7.1	0.03	9.3
012S013E35N18M	3300	370	1.2	41	5700	<0.01	12	0.01	11
012S013E35N19M	4000	480	0.6	40	6800	0.01	19	0.03	8.7
012S013E35N21M	2800	340	1.4	45	4900	<0.01	6.5	<0.01	6.5
012S013E35N22M	4000	640	0.2	43	7300	<0.01	16	0.03	9.8
012S013E35N23M	4000	640	0.4	40	7400	0.01	25	0.03	8.2
012S013E35N24M	2800	460	0.9	40	5100	<0.01	17	0.02	6.3
012S013E35N25M	3300	370	0.9	40	5800	<0.01	13	0.01	6.7
012S013E35N26M	--	--	--	--	--	<0.01	13	0.02	6.4
012S013E35N27M	3800	1000	0.3	37	--	0.01	75	0.04	4.8
012S013E31A01M	12000	5500	<0.1	44	26000	--	--	--	--
012S013E31A02M	9400	8400	0.1	41	27000	0.40	300	0.11	52
012S013E31A03M	9700	8100	0.1	45	28000	0.15	230	0.12	55
012S013E31A04M	7600	7400	<0.1	38	24000	0.06	160	0.07	46
012S013E31A05M	4600	5000	<0.1	37	16000	0.32	370	0.07	39
012S013E31A06M	6300	6700	<0.1	44	21000	0.32	180	0.08	39
012S013E31A07M	--	--	--	--	--	0.94	420	0.06	40
012S013E31A08M	9200	9400	<0.1	39	28000	0.05	230	0.16	62
012S013E31A09M	8800	8300	<0.1	37	26000	0.77	210	0.09	69
012S013E31A10M	8800	10000	<0.1	34	29000	0.50	330	0.18	57
012S013E31A11M	6400	9200	<0.1	35	23000	--	--	--	--
012S013E31A12M	5000	8600	<0.1	35	22000	0.86	330	0.05	32
012S013E31A13M	6600	6500	0.2	41	21000	0.24	150	0.07	35
012S013E31A14M	5300	3700	0.2	38	14000	1.40	150	0.04	17
012S013E31A15M	8400	5000	0.2	44	20000	--	--	--	--
012S013E31A16M	5200	6700	0.2	41	19000	0.4	120	0.06	36
012S013E31A17M	6100	4000	0.2	38	16000	0.02	61	0.08	39
012S013E31A18M	6400	6300	0.2	43	20000	0.23	140	0.07	45
012S013E31A19M	5900	8500	0.1	39	22000	0.50	200	0.05	35
012S013E31A20M	7800	6500	0.2	47	22000	0.15	91	0.10	42
012S013E31A21M	6000	8100	0.1	41	21000	0.42	130	0.05	40
012S013E31A22M	5100	6900	0.2	39	19000	0.59	270	0.05	32
012S013E31A23M	--	--	--	--	--	0.17	380	0.04	34
012S013E31A24M	6000	8000	0.1	39	22000	0.19	330	0.05	64

TABLE 3.--Continued

WELL NO.	STATION NO.	DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE SEA LEVEL	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE, WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
012S013E31A25M	365102120344725	04-04-85	1600	--	--	29800	7.4	17.5	0.6
012S013E31A26M	365102120344726	04-04-85	1700	--	--	30900	7.7	18.0	0.3
012S013E31A27M	365102120344727	04-04-85	1800	--	--	22800	7.3	18.0	--
012S011E14C01M	365327120441301	05-14-85	1630	706	182	1760	8.3	25.0	--
012S014E07E01M	365423120291401	05-15-85	0945	145	136	873	7.2	20.0	--
		11-05-85	0900	145	136	911	7.1	18.0	--
010S013E29P01M	370145120341701	04-30-85	0945	130	115	608	7.9	19.5	--
010S012E22J01M	370248120380701	04-29-85	1320	160	105	485	7.7	20.0	--
010S010E22H04M	370259120511201	04-30-85	0720	75	123	1320	7.4	19.0	--
010S010E23A02M	370322120501901	04-11-85	0810	317	115	1000	8.0	20.5	--
010S009E14H02M	370355120564901	04-10-85	1440	300	140	1780	7.8	21.0	--
010S013E01J02M	370515120293001	05-14-85	0930	450	135	282	8.4	22.5	--
009S011E34N02M	370557120453901	04-10-85	1020	110	96.0	2870	7.2	19.5	--
009S010E35Q02M	370600120503501	04-09-85	1445	140	96.0	3320	7.3	20.0	--
009S009E33C01M	370644120591601	03-28-85	1200	60	124	1310	7.8	20.0	--
009S010E32B01M	370650120534101	04-09-85	1215	500	94.0	1450	7.6	24.0	--
009S009E14N02M	370843120572301	03-28-85	0915	620	99.0	3480	7.7	23.5	--
009S011E07N04M	370936120484701	04-10-85	0910	420	85.0	2320	8.2	20.5	--
009S012E05D01M	371109120411401	04-10-85	1240	738	100	618	8.1	21.0	--
008S009E34Q01M	371125120575701	03-27-85	1320	474	87.0	2280	7.5	20.0	--
008S009E17B01M	371433120595601	03-27-85	1040	76	105	1380	7.5	18.0	--
008S008E01H01M	371613121015201	03-27-85	0845	78	110	1220	7.7	17.0	--
007S009E34Q01M	371631120574401	03-28-85	1410	668	72.0	2040	7.9	25.0	--
007S008E27Q01M	371723121042901	05-13-85	1245	247	155	1170	7.8	22.5	--
007S010E20F01M	371833120534701	05-13-85	1430	360	70.0	1970	8.3	20.5	--
007S008E13N03M	371912121025001	03-26-85	0845	46	108	2920	7.3	17.0	--
007S009E18D01M	371953121013701	03-26-85	1205	120	94.0	1590	7.6	16.5	--
007S010E11Q01M	372004120501301	05-14-85	1300	65	87.0	729	7.5	19.0	--
006S009E09A02M	372603120584701	05-21-85	1300	400	58.0	7960	7.4	21.0	--
006S008E03R02M	372608121041201	05-16-85	0945	273	77.0	1220	7.6	21.0	--
006S008E04P01M	372608121054401	05-16-85	0830	108	106	1890	7.2	18.0	--
006S007E01R01M	372610121083101	05-16-85	1120	702	--	1840	7.7	20.5	--
006S009E04M01M	372619120593001	05-15-85	1630	81	59.0	3080	7.8	20.0	--
005S008E32K03M	372722121063301	04-30-85	1210	275	--	1330	7.7	21.0	--
005S007E27B01M	372843121110401	05-16-85	1240	231	178	1320	7.9	21.5	--
005S008E22C01M	372927121044401	04-30-85	1340	72	50.0	2900	7.5	20.5	--
005S007E01M02M	373137121092701	05-01-85	0900	120	--	1260	7.9	19.0	--
004S007E36Q03M	373224121085201	03-13-85	1115	250	--	1170	7.9	19.5	--
004S007E33B01M	373258121115901	03-12-85	1430	75	91.0	2620	7.5	18.0	--
004S008E07P01M	373548121075701	07-02-85	1345	300	38.0	5130	7.5	17.5	--
004S006E09M01M	373557121191901	03-13-85	0915	310	210	612	7.8	22.0	--
004S008E12E01M	373616121025001	05-01-85	1100	106	61.0	504	7.7	20.0	--
003S006E26Q01M	373820121163501	03-12-85	1145	207	78.0	1300	7.4	18.5	--
003S005E20A02M	373957121260101	03-28-85	1130	400	228	1390	7.7	19.5	--
003S007E07Q01M	374058121141501	03-12-85	0915	106	25.0	295	8.0	18.5	--
003S006E07E01M	374136121213601	03-11-85	1315	47	76.0	1760	7.4	19.0	--
002S006E20L02M	374445121200001	05-21-85	1030	657	15.0	794	8.1	21.0	--
002S005E21D01M	374509121260001	03-27-85	1530	1148	28.0	1030	7.7	22.0	--
002S005E13P01M	374528121221801	03-28-85	0930	80	16.0	2210	7.3	19.0	--

TABLE 3.--Continued

WELL NO.	BAROMETRIC PRESSURE (MM OF HG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L AS CACO3)	CALCIUM, DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY, CARBONATE IT-FLD (MG/L AS CACO3)	CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)
012S013E31A25M	743	2900	2400	610	330	6300	83	6.2	--	29
012S013E31A26M	743	3100	0	590	390	7200	84	7.0	--	13
012S013E31A27M	--	2600	2200	520	320	5000	81	5.8	--	32
012S011E14C01M	--	330	190	70	37	240	61	3.1	139	1.4
012S014E07E01M	--	140	23	40	9.2	110	61	13	115	14
012S014E07E01M	--	200	88	46	21	83	45	12	113	17
010S013E29P01M	--	83	0	22	6.8	120	76	1.0	171	4.2
010S012E22J01M	--	130	0	30	14	56	48	1.7	219	7.1
010S010E22H04M	--	510	110	110	57	150	39	2.7	398	31
010S010E23A02M	--	390	170	82	44	80	31	2.2	218	4.2
010S009E14H02M	--	410	220	87	48	270	58	1.7	192	5.9
010S013E01J02M	--	29	0	9.1	1.5	53	79	1.6	112	0.8
009S011E34N02M	--	620	240	120	77	250	47	3.2	379	46
009S010E35Q02M	--	900	540	180	110	280	40	3.0	361	35
009S009E33C01M	--	340	100	72	39	96	38	2.4	240	7.4
009S010E32B01M	--	310	140	69	33	150	51	2.0	164	8.0
009S009E14N02M	--	690	550	160	70	570	64	4.1	134	5.2
009S011E07N04M	--	100	0	33	5.1	360	88	1.3	170	2.1
009S012E05D01M	--	64	0	20	3.3	110	79	1.4	139	2.1
008S009E34Q01M	--	680	340	120	92	280	47	2.2	336	21
008S009E17B01M	--	560	280	130	58	93	26	1.2	284	17
008S008E01H01M	--	390	73	96	37	120	40	1.9	319	12
007S009E34Q01M	--	400	290	88	44	300	62	3.6	109	2.7
007S008E27Q01M	--	230	0	51	26	150	58	4.4	273	8.4
007S010E20F01M	--	180	23	50	13	380	82	1.6	155	1.5
007S008E13N03M	--	1200	790	260	140	220	28	4.3	433	42
007S009E18D01M	--	540	91	110	65	140	36	2.2	451	22
007S010E11Q01M	--	220	0	50	22	82	45	2.8	268	16
006S009E09A02M	--	620	0	150	60	1500	84	5.2	716	55
006S008E03R02M	--	440	260	96	49	100	33	2.1	185	9.0
006S008E04P01M	--	650	320	150	67	190	39	1.0	327	40
006S007E01R01M	--	610	350	100	87	200	42	2.3	259	10
006S009E04M01M	--	370	0	100	30	500	74	2.0	505	16
005S008E32K03M	--	500	320	96	62	150	40	1.4	176	6.8
005S007E27B01M	--	250	24	32	42	190	62	1.9	229	5.6
005S008E22C01M	--	1100	870	210	150	310	37	3.4	277	17
005S007E01M02M	--	580	300	50	110	83	24	2.2	275	6.7
004S007E36Q03M	--	500	250	46	93	73	24	2.0	251	6.1
004S007E33B01M	--	900	630	130	140	180	30	1.7	273	17
004S008E07P01M	--	930	820	260	69	730	63	9.7	112	6.9
004S006E09M01M	--	210	74	56	17	49	33	2.1	136	4.2
004S008E12E01M	--	190	0	50	16	34	28	2.3	200	7.7
003S006E26Q01M	--	350	97	97	26	130	45	2.1	252	19
003S005E20A02M	--	360	120	91	32	170	50	3.4	239	9.2
003S007E07Q01M	--	110	0	31	8.5	28	35	1.8	148	2.9
003S006E07E01M	--	530	450	140	44	230	48	2.0	82	6.3
002S006E20L02M	--	140	0	31	14	120	65	2.1	136	2.1
002S005E21D01M	--	270	130	61	28	120	49	3.6	136	5.3
002S005E13P01M	--	740	480	180	71	200	37	3.6	258	25

TABLE 3.--Continued

WELL NO.	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	BROMIDE, DIS-SOLVED (MG/L AS BR)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRITE, DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3, DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC, TOTAL (MG/L AS C)
012S013E31A25M	7000	7500	<0.1	--	41	22000	0.32	87	0.08	43
012S013E31A26M	7500	8000	<0.1	--	44	24000	--	--	--	--
012S013E31A27M	7500	4000	0.1	--	41	18000	<0.01	200	0.09	23
012S011E14C01M	330	290	<0.1	--	21	1100	<0.01	0.22	0.01	0.4
012S014E07E01M	110	140	<0.1	--	36	530	<0.01	1.5	0.01	1.3
012S014E07E01M	110	140	0.1	0.27	27	520	0.01	2.1	0.06	--
010S013E29P01M	47	74	0.2	--	48	420	<0.01	<0.10	0.07	0.2
010S012E22J01M	19	27	0.1	--	32	290	<0.01	<0.10	<0.01	0.5
010S010E22H04M	140	180	0.1	--	63	940	<0.01	8.0	0.03	0.6
010S010E23A02M	120	140	0.1	--	56	660	0.01	3.9	0.02	0.4
010S009E14H02M	210	420	0.3	--	35	1200	<0.01	5.5	0.05	0.7
010S013E01J02M	6.1	17	0.3	--	36	190	<0.01	0.24	0.02	<0.1
009S011E34N02M	250	430	0.2	--	32	1400	<0.01	<0.10	<0.01	3.6
009S010E35Q02M	530	490	0.1	--	46	1900	<0.01	1.7	0.04	1.2
009S009E33C01M	67	170	0.2	--	21	610	<0.01	3.2	0.03	0.3
009S010E32B01M	280	140	0.2	--	34	810	<0.01	0.33	0.04	0.2
009S009E14N02M	96	1200	0.2	--	25	2200	0.02	0.74	<0.01	0.2
009S011E07N04M	480	180	0.2	--	20	1200	<0.01	<0.10	0.05	0.5
009S012E05D01M	27	92	0.3	--	30	370	<0.01	<0.10	0.03	<0.1
008S009E34Q01M	420	370	0.2	--	33	1500	<0.01	4.5	<0.01	1.0
008S009E17B01M	170	190	0.3	--	24	840	<0.01	12	0.01	0.5
008S008E01H01M	120	160	0.1	--	25	750	<0.01	11	0.01	0.5
007S009E34Q01M	500	300	0.1	--	33	1300	<0.01	<0.10	0.02	0.2
007S008E27Q01M	56	170	0.3	--	31	650	<0.01	10	0.01	0.4
007S010E20F01M	490	220	0.3	--	21	1300	<0.01	<0.10	0.02	<0.1
007S008E13N03M	300	700	0.1	--	30	1900	<0.01	11	0.02	0.9
007S009E18D01M	170	170	0.2	--	27	960	<0.01	5.6	0.03	0.6
007S010E11Q01M	29	30	0.8	--	27	410	<0.01	14	0.41	3.4
006S009E09A02M	180	2000	0.2	--	28	4400	0.09	20	0.05	3.3
006S008E03R02M	360	66	0.2	--	32	820	<0.01	6.4	0.02	0.6
006S008E04P01M	540	140	0.3	--	27	1300	<0.01	15	0.02	0.8
006S007E01R01M	630	140	0.6	--	26	1300	<0.01	9.6	0.01	0.5
006S009E04M01M	30	750	0.1	--	27	1700	0.01	0.10	0.03	1.9
005S008E32K03M	530	65	0.4	--	26	1000	<0.01	4.0	0.01	0.2
005S007E27B01M	190	140	0.3	--	25	760	<0.01	16	0.02	0.2
005S008E22C01M	1200	280	0.3	--	28	2400	0.02	0.92	0.02	0.5
005S007E01M02M	120	190	0.2	--	25	750	<0.01	18	0.03	0.3
004S007E36Q03M	120	180	0.2	--	23	690	<0.01	8.3	0.03	<0.1
004S007E33B01M	370	350	0.1	--	28	1400	<0.01	0.13	0.03	1.1
004S008E07P01M	7.7	1900	<0.1	--	36	3100	<0.01	<0.10	0.03	0.1
004S006E09M01M	44	65	0.3	--	24	340	<0.01	9.1	0.01	0.1
004S008E12E01M	15	17	0.1	--	47	300	<0.01	6.7	0.04	0.2
003S006E26Q01M	120	160	0.2	--	23	710	<0.01	5.6	0.03	0.5
003S005E20A02M	330	130	0.2	--	21	920	<0.01	1.4	<0.01	0.1
003S007E07Q01M	14	5.7	<0.1	--	31	210	<0.01	<0.10	0.06	0.1
003S006E07E01M	230	320	0.1	--	42	1100	<0.01	6.4	0.03	1.2
002S006E20L02M	140	78	<0.1	--	43	510	<0.01	<0.10	0.14	<0.1
002S005E21D01M	220	110	0.1	--	23	650	<0.01	2.3	0.03	0.1
002S005E13P01M	320	410	<0.1	--	33	1400	<0.01	9.3	0.01	0.7

TABLE 3.--Continued

WELL NO.	STATION NO.	DATE	TRACE ELEMENTS				
			ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC, DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BORON, DISSOLVED (UG/L AS B)	CADMIUM, DISSOLVED (UG/L AS CD)
011N022W23C01S	350159119114801	07-14-86	<10	<1	100	1100	<1
011N018W06M01S	350401118503501	07-28-86	10	2	79	160	<1
012N019W32P02S	350429118554701	08-05-86	<10	3	71	230	<10
012N023W31A01S	350528119221101	07-15-86	<10	6	100	7900	<1
012N020W26A01S	350533118584201	08-05-86	<10	<1	100	630	<1
032S027E36Q01M	350539119014201	07-18-86	10	43	100	2300	<1
032S024E35N01M	350539119221501	07-15-86	30	--	100	10000	<1
032S029E20G01M	350745118525301	07-16-86	<10	1	43	320	<1
032S029E16R04M	350817118514201	07-21-86	<10	2	65	110	<1
032S028E11H01M	350933118560301	07-18-86	10	5	76	160	<1
031S029E29P01M	351152118532601	07-30-86	<10	8	140	650	<1
031S029E26L01M	351157118500801	07-21-86	10	21	51	130	<1
031S030E30M01M	351206118481801	07-30-86	<10	3	230	80	<1
031S024E22L02M	351257119230401	07-29-86	10	2	200	--	<1
031S028E23H02M	351258118555301	07-22-86	<10	19	120	330	<1
031S025E15H01M	351353119161501	07-29-86	10	47	10	490	<1
031S025E16B01M	351408119173101	07-29-86	<10	46	25	2000	<1
031S028E18D01M	351412119011301	07-20-86	<10	14	31	100	<1
031S030E16C01M	351413118453801	07-21-86	10	4	91	3200	<1
031S027E16D01M	351415119052201	07-29-86	<10	3	32	160	<1
031S025E10H01M	351453119162601	07-29-86	10	92	3	300	<1
031S027E01E03M	351537119020501	07-29-86	<10	1	66	200	<1
031S026E01H01M	351540119074101	07-29-86	<10	7	18	200	<1
031S026E04B01M	351559119111501	08-07-86	30	39	<2	140	<1
030S030E32J01M	351629118461201	07-19-86	20	19	12	8900	<1
030S028E29P01M	351655118594301	07-19-86	<10	9	95	150	<1
030S025E21P04M	351749119175301	07-30-86	<10	9	10	200	<1
030S026E21P01M	351751119112001	07-15-86	<10	2	24	140	<1
030S026E24H04M	351820119073901	07-19-86	<10	4	26	130	<1
030S027E24C01M	351836119015801	07-23-86	<10	<1	240	230	<1
030S027E15R01M	351847119033301	07-23-86	<10	4	69	150	<1
030S029E18D02M	351929118543501	07-20-86	<10	5	110	180	<1
030S028E09Q02M	351934118582301	07-24-86	<10	10	56	120	<1
030S030E06J01M	352045118473601	07-22-86	<10	10	30	840	<1
030S024E06A02M	352113119260101	07-22-86	<10	<1	42	510	<1
030S024E06A01M	352115119260001	07-17-86	<10	<1	43	530	<1
029S024E25P01M	352211119205901	07-18-86	10	9	6	90	<1
029S024E30F03M	352240119262201	07-18-86	<10	<1	100	320	<1
029S027E27B01M	352258119034901	07-23-86	<10	1	51	200	<1
029S026E23J01M	352327119084601	07-21-86	<10	<1	69	190	<1
029S023E21H02M	352332119300301	07-22-86	<10	12	29	280	<1
029S025E17R01M	352356119182101	07-19-86	<10	2	27	110	<1
029S027E15N01M	352403119042301	07-16-86	10	<1	67	410	<1
029S025E03L04M	352554119164601	07-21-86	<10	5	16	150	<1
029S028E02K01M	352603118561601	07-23-86	<10	1	85	190	<1
029S026E02C01M	352631119091801	07-20-86	<10	<1	46	440	<1
028S025E34R01M	352633119154101	07-30-86	<10	<1	84	110	<1
028S023E25R01M	352727119262001	07-20-86	<10	3	37	170	<1
028S024E30M01M	352749119261501	07-17-86	10	4	32	80	<1
028S027E28A01M	352805119035801	07-23-86	20	3	5	130	<1
028S025E10Q01M	353000119161401	07-23-86	<10	2	68	30	<1
028S023E08H01M	353035119305101	07-19-86	<10	3	400	2600	<1
028S027E07C01M	353044119065301	07-23-86	30	2	6	80	<1
028S024E10A01M	353045119220201	07-17-86	<10	2	50	30	<1
028S027E06G01M	353119119062501	07-22-86	30	3	4	60	<1
027S027E33E01M	353223119043401	08-06-86	<10	<1	120	30	<1
027S025E30D01M	353325119193701	07-31-86	10	4	18	20	<1
027S027E14D01M	353512119024001	08-14-86	20	<1	3	30	<1
027S026E08Q01M	353516119113901	07-31-86	<10	<1	120	20	<1
027S026E07H01M	353544119121601	08-05-86	<10	1	73	50	<1

TABLE 3.--Continued

WELL NO.	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LITHIUM, DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY, DISSOLVED (UG/L AS HG)
011N022W23C01S	<1	3	30	<5	50	30	<0.1
011N018W06M01S	2	7	22	<5	7	6	<0.1
012N019W32P02S	20	1	<3	<5	16	2	<0.1
012N023W31A01S	<1	2	60	<5	380	70	0.4
012N020W26A01S	<1	2	20	<5	60	10	<0.1
032S027E36Q01M	<1	2	30	<5	50	210	<0.1
032S024E35N01M	3	4	30	<5	400	20	0.4
032S029E20G01M	2	1	<3	<5	13	12	<0.1
032S029E16R04M	3	3	15	<5	6	2	<0.1
032S028E11H01M	<1	<1	12	<5	4	25	<0.1
031S029E29P01M	4	1	3	<5	16	2	<0.1
031S029E26L01M	3	5	44	<5	5	<1	0.1
031S030E30M01M	5	2	5	<5	11	2	<0.1
031S024E22L02M	<1	<1	40	<5	200	930	<0.1
031S028E23H02M	<1	2	9	<5	12	4	0.1
031S025E15H01M	<1	<1	5	<5	10	7	<0.1
031S025E16B01M	<1	<1	9	<5	120	58	<0.1
031S028E18D01M	<1	<1	<3	<5	7	<1	<0.1
031S030E16C01M	3	4	16	<5	11	2	<0.1
031S027E16D01M	<1	1	<3	<5	13	<1	<0.1
031S025E10H01M	<1	1	6	<5	<4	2	<0.1
031S027E01E03M	2	<1	5	<5	11	<1	<0.1
031S026E01H01M	<1	<1	3	<5	9	<1	<0.1
031S026E04B01M	<1	1	12	<5	<4	<1	<0.1
030S030E32J01M	1	<1	6	<5	<4	<1	<0.1
030S028E29P01M	2	<1	<3	<5	15	<1	<0.1
030S025E21P04M	<1	3	4	<5	<4	<1	<0.1
030S026E21P01M	3	1	5	<5	10	<1	--
030S026E24H04M	3	3	8	<5	6	<1	<0.1
030S027E24C01M	1	19	16	<5	30	11	<0.1
030S027E15R01M	1	1	<3	<5	10	<1	<0.1
030S029E18D02M	2	3	<3	<5	15	<1	<0.1
030S028E09Q02M	1	1	<3	<5	8	<1	<0.1
030S030E06J01M	<1	2	34	<5	77	11	<0.1
030S024E06A02M	<1	2	6	<5	27	96	<0.1
030S024E06A01M	<1	<1	140	<5	30	100	--
029S024E25P01M	3	<1	<3	<5	<4	<1	0.1
029S024E30F03M	<1	1	65	<5	20	50	<0.1
029S027E27B01M	<1	1	13	<5	7	2	<0.1
029S026E23J01M	3	1	3	<5	14	<1	<0.1
029S023E21H02M	1	6	<3	<5	10	77	0.1
029S025E17R01M	3	3	5	<5	9	<1	<0.1
029S027E15N01M	2	2	9	<5	19	3	<0.1
029S025E03L04M	2	1	<3	<5	<4	<1	<0.1
029S028E02K01M	1	1	<3	<5	8	<1	<0.1
029S026E02C01M	2	2	5	<5	16	<1	0.1
028S025E34R01M	<1	<1	4	<5	9	8	0.1
028S023E25R01M	<1	2	6	<5	<4	1	<0.1
028S024E30M01M	5	2	<3	<5	11	2	<0.1
028S027E28A01M	1	1	8	<5	<4	2	0.1
028S025E10Q01M	4	1	9	<5	11	<1	<0.1
028S023E08H01M	<1	2	40	<5	50	20	<0.1
028S027E07C01M	<1	1	13	<5	<4	2	0.1
028S024E10A01M	8	3	5	<5	11	2	<0.1
028S027E06G01M	1	1	18	<5	<4	<1	0.1
027S027E33E01M	<1	<1	4	<5	11	56	<0.1
027S025E30D01M	5	1	28	<5	6	2	<0.1
027S027E14D01M	<2	1	4	<5	4	<1	0.7
027S026E08Q01M	<1	2	5	<5	11	<1	0.1
027S026E07H01M	<1	<1	32	<5	<4	4	<0.1

TABLE 3.--Continued

WELL NO.	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
011N022W23C01S	29	5	1	<1	3400	2	10
011N018W06M01S	8	1	1	<1	260	10	4
012N019W32P02S	6	<1	2	<1	480	5	3
012N023W31A01S	100	2	1	<1	3500	46	10
012N020W26A01S	5	1	57	<1	2400	5	90
032S027E36Q01M	12	1	13	<1	2400	4	60
032S024E35N01M	87	3	3	<1	3200	40	10
032S029E20G01M	12	2	7	<1	400	3	93
032S029E16R04M	31	2	<1	<1	140	15	10
032S028E11H01M	--	<1	<1	<1	390	5	5
031S029E29P01M	20	<1	3	<1	480	9	5
031S029E26L01M	10	1	<1	1	200	43	8
031S030E30M01M	11	<1	4	<1	400	10	6
031S024E22L02M	--	<1	62	<1	5500	40	20
031S028E23H02M	5	1	<1	<1	430	11	6
031S025E15H01M	45	<1	<1	<1	170	6	6
031S025E16B01M	120	<1	<1	<1	1100	15	7
031S028E18D01M	6	<1	<1	<1	260	6	200
031S030E16C01M	22	3	<1	<1	160	44	23
031S027E16D01M	3	1	1	<1	310	6	43
031S025E10H01M	19	<1	<1	<1	23	26	<3
031S027E01E03M	1	1	1	<1	420	5	88
031S026E01H01M	1	1	<1	<1	290	11	10
031S026E04B01M	1	2	<1	<1	28	70	7
030S030E32J01M	14	1	<1	<1	11	1	6
030S028E29P01M	8	<1	<1	<1	330	11	18
030S025E21P04M	6	3	1	<1	120	22	4
030S026E21P01M	2	2	1	<1	450	6	36
030S026E24H04M	2	6	<1	<1	240	13	8
030S027E24C01M	<1	<1	<1	<1	1100	3	11
030S027E15R01M	2	1	<1	<1	310	9	<3
030S029E18D02M	5	6	1	<1	290	2	83
030S028E09Q02M	2	<1	<1	<1	170	15	<3
030S030E06J01M	5	2	1	<1	1	5	11
030S024E06A02M	<1	<1	<1	<1	1300	1	28
030S024E06A01M	<1	<1	<1	<1	1400	<1	44
029S024E25P01M	2	<1	<1	<1	64	29	3
029S024E30F03M	<1	1	<1	<1	960	<1	9
029S027E27B01M	1	<1	<1	<1	230	2	160
029S026E23J01M	1	<1	<1	<1	660	2	130
029S023E21H02M	6	<1	<1	<1	330	2	<3
029S025E17R01M	2	<1	<1	<1	240	5	18
029S027E15N01M	2	3	<1	<1	670	2	250
029S025E03L04M	1	1	<1	<1	140	10	<3
029S028E02K01M	6	<1	<1	<1	1100	2	<3
029S026E02C01M	1	3	1	<1	590	3	120
028S025E34R01M	1	1	<1	<1	630	3	270
028S023E25R01M	2	1	<1	<1	210	8	4
028S024E30M01M	2	<1	2	<1	570	9	45
028S027E28A01M	--	1	<1	<1	35	<1	4
028S025E10Q01M	1	<1	1	<1	530	5	8
028S023E08H01M	--	<1	5	<1	900	38	580
028S027E07C01M	2	<1	<1	<1	24	<1	9
028S024E10A01M	--	9	3	<1	580	7	61
028S027E06G01M	1	2	<1	<1	19	<1	6
027S027E33E01M	2	10	4	<1	1500	6	6
027S025E30D01M	2	<1	<1	<1	160	14	<3
027S027E14D01M	6	<1	<1	<1	8	<1	6
027S026E08Q01M	3	<1	1	<1	570	8	4
027S026E07H01M	4	1	<1	<1	160	10	70

TABLE 3.--Continued

WELL NO.	STATION NO.	DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC, DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BORON, DISSOLVED (UG/L AS B)	CADMIUM, DISSOLVED (UG/L AS CD)
027S024E09A02M	353555119230301	08-07-86	<10	4	50	20	<1
027S023E01H01M	353633119261401	08-21-86	<10	3	34	60	<1
026S025E27C01M	353843119160201	07-31-86	10	2	82	100	<1
026S026E18H02M	354004119121501	08-13-86	<10	1	--	40	<1
026S027E09G02M	354101119040501	08-06-86	<10	1	51	380	<1
026S025E12D01M	354107119141101	07-30-86	50	21	11	40	<1
025S023E30R01M	354303119313101	08-10-86	140	33	4	70	<1
025S026E30M02M	354318119131801	08-11-86	<10	1	100	100	<1
025S020E27B03M	354350119475901	07-31-86	10	<1	<100	4600	<1
025S023E21J01M	354423119292501	08-04-86	60	39	2	80	<1
025S026E20F01M	354435119114401	08-12-86	<10	8	110	70	1
025S025E02R02M	354643119142601	07-28-86	<10	14	31	70	<1
024S023E36H02M	354752119254101	08-09-86	180	64	5	100	<1
024S024E28Q01M	354818119225801	08-12-86	<10	46	9	90	<1
024S025E22P01M	354910119153601	08-05-86	<10	4	140	40	<1
024S025E19F01M	354947119184201	08-07-86	<10	8	20	40	<1
024S026E19D01M	354952119124301	08-05-86	<10	5	3	40	<1
024S027E22C01M	355001119023901	08-07-86	<10	15	15	110	<1
023S023E36E01M	355313119264501	08-12-86	<10	50	25	260	<1
023S027E27N01M	355339119025201	08-08-86	<10	8	18	570	<1
023S027E29J01M	355352119041601	08-07-86	<10	2	150	50	<1
023S027E27B01M	355412119023501	08-06-86	<10	18	55	70	<1
023S018E30A02M	355422120032701	08-13-86	<10	7	10	1400	<1
023S026E07J02M	355632119114901	08-06-86	<10	3	63	40	1
023S026E03H02M	355736119083401	08-05-86	<10	1	99	30	<1
022S017E36R01M	355753120044201	08-26-86	<10	2	15	530	<1
022S017E26A01M	355924120054401	08-12-86	<10	7	13	660	<1
022S019E29D01M	355934119565401	08-09-86	<10	10	66	800	<1
022S019E19C01M	360026119573501	08-09-86	<10	15	17	580	<1
022S026E18A01M	360117119114801	08-13-86	<10	<1	120	70	<1
022S024E02A01M	360302119202101	08-07-86	<10	<1	82	90	<1
021S023E31R01M	360303119310301	08-27-86	<10	22	200	320	<1
021S024E31P02M	360305119251101	08-26-86	<10	4	63	90	<1
021S026E34H03M	360332119084601	08-27-86	<10	1	150	140	<1
021S025E31G02M	360341119182901	08-27-86	30	7	8	70	<1
021S025E26H01M	360432119140701	08-14-86	<10	<1	380	120	<1
021S027E15P01M	360547119024401	08-27-86	<10	1	220	130	<1
021S017E14H01M	360606120053501	08-08-86	<10	1	18	450	<1
021S017E12E02M	360659120053101	07-01-85	<10	<1	--	410	<1
		08-08-86	<10	1	14	430	<1
021S025E10D03M	360712119154901	08-14-86	<10	1	470	110	<1
021S022E02F01M	360758119334401	08-08-86	<10	28	89	80	<1
020S018E33E03M	360852120014601	05-15-85	<10	<1	--	520	<1
020S016E30L01M	360921120163501	08-13-86	<10	2	<100	1400	<1
020S015E26L02M	360926120183901	08-13-86	<10	1	<100	1300	<1
020S018E24R01M	361001119573401	03-25-86	10	<1	--	820	<1
020S020E10L01M	361212119472101	08-20-86	10	<1	43	1300	<1
020S021E09C01M	361235119421101	08-12-86	20	1	27	1500	<1
020S021E01Q01M	361243119382301	08-12-86	<10	16	47	350	3
019S020E33A01M	361424119475301	08-13-86	60	2	14	960	<1
019S019E30N01M	361428119573101	03-20-86	30	<1	--	4200	<1
019S020E26N01M	361437119464001	08-20-86	<10	110	35	3200	<1
019S019E21C01M	361558119545501	08-19-86	<10	<1	44	2100	<1
019S019E07N01M	361704119573101	03-25-86	20	1	<100	7600	<1
019S022E07M01M	361716119380701	08-13-86	<10	59	26	200	<1
019S018E10D01M	361756120004101	03-20-86	<10	<1	--	4000	<1
019S018E02N01M	361757119594101	03-20-86	<10	2	<100	980	<1
018S021E32R01M	361853119422301	08-19-86	160	140	8	240	<1
018S021E32K01M	361908119425101	08-19-86	380	5	12	660	<1
018S019E31G01M	361924119564801	07-02-85	<10	<1	--	1700	<1

TABLE 3.--Continued

WELL NO.	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LITHIUM, DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY, DISSOLVED (UG/L AS HG)
027S024E09A02M	7	--	1	5	<5	4	<1	<0.1
027S023E01H01M	10	--	2	5	<5	13	<1	<0.1
026S025E27C01M	<1	--	1	10	<5	5	3	<0.1
026S026E18H02M	<1	--	3	20	<5	10	<10	<0.1
026S027E09G02M	<1	--	2	260	<5	100	83	<0.1
026S025E12D01M	5	--	2	7	<5	<4	<1	<0.1
025S023E30R01M	<2	--	6	56	<5	5	2	<0.1
025S026E30M02M	--	--	2	30	<5	30	10	<0.1
025S020E27B03M	2	--	1	30	<5	260	<10	0.1
025S023E21J01M	<1	--	<1	6	<5	<4	1	<0.1
025S026E20F01M	<1	--	2	10	<5	26	5	<0.1
025S025E02R02M	5	--	3	4	<5	13	<1	<0.1
024S023E36H02M	<2	--	13	150	<5	5	7	0.1
024S024E28Q01M	<2	--	8	8	<5	8	7	0.1
024S025E22P01M	<1	--	1	<3	<5	11	1	<0.1
024S025E19F01M	--	--	1	6	<5	5	1	<0.1
024S026E19D01M	<1	--	<1	40	<5	<4	4	<0.1
024S027E22C01M	<1	--	1	13	<5	27	<1	<0.1
023S023E36E01M	<1	--	3	75	<5	13	28	<0.1
023S027E27N01M	<1	--	3	46	<5	21	3	<0.1
023S027E29J01M	<1	--	1	<3	<5	6	<1	<0.1
023S027E27B01M	<1	--	10	10	<5	6	1	<0.1
023S018E30A02M	<2	--	2	3	<5	64	2	<0.1
023S026E07J02M	<1	--	2	<3	<5	<4	<1	<0.1
023S026E03H02M	<1	--	17	5	<5	<4	2	<0.1
022S017E36R01M	5	--	7	<3	<5	48	<1	<0.1
022S017E26A01M	<2	--	2	15	<5	27	10	<0.1
022S019E29D01M	<1	--	1	23	<5	26	120	<0.1
022S019E19C01M	<1	--	2	45	<5	11	26	<0.1
022S026E18A01M	<1	--	<1	<3	<5	9	<1	<0.1
022S024E02A01M	<1	--	2	5	<5	5	1	<0.1
021S023E31R01M	<1	--	<1	240	<5	10	300	0.2
021S024E31P02M	3	--	6	<3	<5	8	<1	<0.1
021S026E34H03M	1	--	1	7	<5	12	1	<0.1
021S025E31G02M	3	--	<1	11	<5	4	1	<0.1
021S025E26H01M	--	--	5	18	<5	19	2	<0.1
021S027E15P01M	5	--	1	6	<5	17	1	<0.1
021S017E14H01M	<1	--	2	23	<5	27	9	<0.1
021S017E12E02M	<1	--	2	4	6	27	1	<0.1
	<1	--	1	30	<5	28	1	<0.1
021S025E10D03M	<2	--	3	6	<5	22	1	<0.1
021S022E02F01M	<1	--	1	69	<5	7	26	<0.1
020S018E33E03M	<1	--	<1	5	6	34	4	<0.1
020S016E30L01M	--	--	4	50	<5	60	10	<0.1
020S015E26L02M	--	--	7	10	<5	50	<10	0.1
020S018E24R01M	7	<1	<1	20	<1	40	<10	<0.1
020S020E10L01M	2	--	4	230	8	13	47	<0.1
020S021E09C01M	<4	--	40	150	<5	5	24	<0.1
020S021E01Q01M	--	--	5	140	<5	8	140	<0.1
019S020E33A01M	<2	--	22	110	6	<4	22	0.1
019S019E30N01M	30	<1	1	20	<1	50	<10	<0.1
019S020E26N01M	<1	--	2	160	<5	14	58	<0.1
019S019E21C01M	<1	--	3	73	<5	15	17	0.2
019S019E07N01M	20	<1	1	30	1	70	10	<0.1
019S022E07M01M	<2	--	12	6	<5	4	6	0.1
019S018E10D01M	100	31	<1	20	<1	70	10	<0.1
019S018E02N01M	10	<1	<1	5	<1	20	<1	<0.1
018S021E32R01M	<1	--	4	100	<5	<4	4	0.2
018S021E32K01M	<1	--	1	92	<5	<4	4	0.2
018S019E31G01M	<1	--	<1	41	6	8	11	<0.1

TABLE 3.--Continued

WELL NO.	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
027S024E09A02M	2	<1	1	<1	450	14	<3
027S023E01H01M	1	1	3	<1	820	10	9
026S025E27C01M	3	1	<1	1	240	16	44
026S026E18H02M	1	1	15	<1	2000	12	80
026S027E09G02M	14	<1	<1	<1	330	1	<3
026S025E12D01M	3	<1	<1	<1	9	60	4
025S023E30R01M	5	<1	<1	<1	64	64	<3
025S026E30M02M	1	<1	4	<1	2700	20	170
025S020E27B03M	160	<1	6	<1	3400	23	30
025S023E21J01M	5	3	<1	<1	10	170	4
025S026E20F01M	2	<1	1	<1	400	29	4
025S025E02R02M	6	<1	1	1	420	42	<3
024S023E36H02M	8	<1	<1	<1	10	7	4
024S024E28Q01M	14	5	<1	<1	61	19	3
024S025E22P01M	2	<1	1	<1	470	24	6
024S025E19F01M	5	1	<1	<1	240	38	29
024S026E19D01M	2	2	<1	<1	46	38	8
024S027E22C01M	9	1	<1	<1	45	1	6
023S023E36E01M	7	1	<1	<1	53	2	5
023S027E27N01M	15	1	3	<1	97	17	<3
023S027E29J01M	8	<1	2	<1	430	23	5
023S027E27B01M	15	<1	1	<1	230	38	120
023S018E30A02M	60	<1	3	<1	600	30	42
023S026E07J02M	4	<1	<1	<1	220	26	<3
023S026E03H02M	3	<1	<1	<1	300	16	57
022S017E36R01M	11	1	32	<1	1200	9	10
022S017E26A01M	14	<1	4	<1	450	27	19
022S019E29D01M	15	1	<1	<1	760	11	4
022S019E19C01M	14	2	<1	<1	150	25	4
022S026E18A01M	1	<1	<1	<1	380	10	5
022S024E02A01M	<1	1	<1	<1	450	7	42
021S023E31R01M	4	<1	<1	<1	1400	<3	80
021S024E31P02M	2	2	<1	<1	260	15	7
021S026E34H03M	3	1	2	<1	310	4	14
021S025E31G02M	5	1	<1	<1	98	41	4
021S025E26H01M	2	<1	1	<1	810	8	150
021S027E15P01M	3	1	<1	<1	650	10	290
021S017E14H01M	7	<1	1	<1	1000	6	4
021S017E12E02M	7	<1	5	<1	--	7	11
	6	<1	5	<1	940	6	<3
021S025E10D03M	1	<1	<1	<1	1100	13	14
021S022E02F01M	11	<1	<1	<1	640	<1	5
020S018E33E03M	7	<1	1	<1	--	7	50
020S016E30L01M	3	1	16	<1	2300	17	<10
020S015E26L02M	<1	7	22	<1	1500	9	10
020S018E24R01M	82	<1	3	<1	--	5	<10
020S020E10L01M	8	2	<1	<1	61	14	230
020S021E09C01M	<1	50	<1	<5	59	26	3
020S021E01Q01M	4	1	<1	<1	200	2	13
019S020E33A01M	12	1	<1	<1	26	9	45
019S019E30N01M	44	2	18	<1	--	4	<10
019S020E26N01M	94	3	<1	<1	160	11	38
019S019E21C01M	2	<1	<1	<1	160	14	7
019S019E07N01M	45	1	15	<1	--	4	<10
019S022E07M01M	1	1	<1	<1	180	2	99
019S018E10D01M	22	<1	8	<1	--	4	<10
019S018E02N01M	10	<1	5	<1	--	6	20
018S021E32R01M	8	<1	<1	<1	7	1	<3
018S021E32K01M	12	<1	<1	<1	25	3	<3
018S019E31G01M	4	<1	<1	<1	--	3	3

TABLE 3.--Continued

WELL NO.	STATION NO.	DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC, DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BORON, DISSOLVED (UG/L AS B)	CADMIUM, DISSOLVED (UG/L AS CD)
018S017E27F01M	362009120064201	03-27-85	20	1	--	880	<1
018S017E27F02M	362019120064201	03-27-85	20	<1	--	6500	<1
		05-15-85	<10	<1	--	6200	--
018S017E25A01M	362026120040001	03-20-86	10	1	100	2500	<1
018S016E22N03M	362031120134201	03-25-86	10	<1	--	3200	<1
018S016E20R02M	362031120144801	03-18-86	20	2	--	16000	<1
018S017E24N04M	362034120050201	03-11-86	10	1	--	7400	<1
018S017E21N01M	362034120081401	03-12-86	<10	1	100	390	<1
018S016E23A03M	362120120114001	03-12-86	10	1	--	3400	<1
018S017E20D01M	362124120092201	03-12-86	10	3	200	270	<1
018S019E02R01M	362317119522201	05-15-85	360	21	--	360	<1
017S018E35R02M	362403119583501	05-16-85	<10	<1	--	1200	<1
017S016E29N02M	362452120155101	03-21-86	<10	<1	--	4200	<1
017S016E20N01M	362545120155301	03-26-86	20	7	--	7300	<1
017S017E16Q01M	362630120073901	05-16-85	<10	1	--	930	<1
017S016E04N03M	362822120144801	03-18-86	10	1	--	3900	<1
017S018E02A02M	362907119584901	05-16-85	<10	<1	--	270	<1
017S016E04D01M	362913120144801	03-18-86	10	2	--	3300	<1
016S015E21N01M	363058120210501	03-19-86	10	1	--	1000	<1
016S015E20E02M	363127120221101	03-19-86	<10	4	--	4800	<1
016S015E14D01M	363240120185501	03-18-86	<10	9	100	220	<1
016S015E07N02M	363243120231901	03-17-86	10	2	100	1800	<1
015S014E32D01M	363520120284201	03-19-86	20	1	--	5000	<1
015S014E29D01M	363612120284201	03-19-86	10	1	--	3300	<1
015S015E15D01M	363754120200001	04-03-86	30	4	--	24000	<1
015S015E17A03M	363754120210701	04-03-86	<10	2	--	99000	<1
015S014E14D02M	363755120252501	04-02-86	10	<1	--	3700	<1
015S014E17A01M	363756120273701	04-03-86	10	1	--	4300	<1
015S014E17D01M	363756120284001	03-21-86	10	2	--	6300	<1
015S014E12R01M	363757120231701	04-03-86	<10	5	--	31000	<1
015S015E09R01M	363801120195901	03-26-85	100	1	--	320	<1
015S015E08D01M	363847120221101	04-02-86	40	3	--	120000	<1
015S014E11D03M	363847120252401	04-02-86	20	3	--	18000	<1
015S014E01R01M	363849120231701	04-02-86	10	2	--	13000	<1
015S014E01N03M	363849120242001	04-01-86	10	3	--	5900	<1
015S014E04R01M	363849120263201	03-31-86	10	1	--	9000	<1
015S014E04N01M	363849120273501	03-28-86	<10	1	--	650	<1
015S014E06R01M	363850120284201	03-27-86	<10	1	--	760	<1
015S016E05J01M	363907120144401	03-25-85	10	14	--	1000	<1
		05-14-85	20	13	--	1100	<1
015S015E04A01M	363939120200201	04-01-86	--	3	--	4200	6
015S015E06D03M	363939120231401	04-01-86	20	3	--	13000	<1
015S014E01D02M	363940120241901	04-01-86	20	6	--	3100	<1
015S014E03A01M	363940120252601	04-01-86	10	1	--	14000	<1
015S014E05D01M	363940120283901	03-27-86	10	4	--	2600	<1
015S014E06D03M	363940120294401	03-26-86	10	1	--	3600	<1
014S015E33R04M	363942120200701	04-03-86	<10	2	--	18000	<1
014S013E13G01M	364258120301301	02-28-85	<10	12	--	1300	<1
014S014E07N02M	364311120294201	03-26-86	<10	1	--	1900	<1
014S014E09Q01M	364313120265701	02-28-85	<10	18	--	1300	<1
014S013E12P01M	364313120302801	02-28-85	20	8	--	1600	<1
013S015E34J07M	364523120185901	03-26-85	130	<1	--	100	<1
013S013E23N02M	364641120315001	03-26-86	<10	5	<100	2100	<1
013S013E16N02M	364734120335901	03-27-86	<10	2	100	2500	<1
013S015E18Q02M	364747120223402	05-13-85	90	<1	--	110	<1
013S013E07R01M	364826120350401	03-27-86	<10	1	--	2800	<1
013S014E03B01M	365000120253801	05-15-85	<10	<1	--	160	<1
013S012E04A01M	365004120392401	04-10-85	--	<1	--	6200	--
013S012E04A02M	365004120392402	04-10-85	<10	<1	--	12000	<1
013S012E04A03M	365004120392403	04-10-85	<10	<1	--	2200	<1

TABLE 3.--Continued

WELL NO.	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LITHIUM, DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)
018S017E27F01M	<1	--	<1	15	<1	38	36
018S017E27F02M	20	--	<1	40	<1	70	10
	20	--	--	40	--	70	10
018S017E25A01M	30	<1	<1	10	<1	30	<10
018S016E22N03M	60	<1	<1	20	<1	120	<10
018S016E20R02M	5	<1	3	30	<1	290	10
018S017E24N04M	10	<1	<1	30	<1	70	10
018S017E21N01M	6	<1	<1	13	<1	10	6
018S016E23A03M	40	<1	2	30	1	80	30
018S017E20D01M	2	<1	<1	9	<1	20	<1
018S019E02R01M	<1	--	<1	100	3	<4	4
017S018E35R02M	<1	--	<1	27	<1	4	53
017S016E29N02M	10	<1	1	30	<1	210	10
017S016E20N01M	3	<1	4	8600	<1	380	4600
017S017E16Q01M	<1	--	<1	10	5	38	170
017S016E04N03M	190	120	<1	40	<1	270	20
017S018E02A02M	<1	--	1	48	2	7	65
017S016E04D01M	20	<1	1	30	2	200	10
016S015E21N01M	4	<1	<1	30	<1	140	20
016S015E20E02M	<1	<1	4	60	<1	250	20
016S015E14D01M	2	<1	3	4	<1	20	2
016S015E07N02M	2	<1	2	40	<1	160	50
015S014E32D01M	<1	<1	2	40	<1	330	50
015S014E29D01M	<1	<1	1	50	1	210	20
015S015E15D01M	120	<1	13	100	<1	190	40
015S015E17A03M	160	<1	11	140	1	160	40
015S014E14D02M	9	<1	1	50	<1	250	20
015S014E17A01M	10	<1	1	20	<1	230	20
015S014E17D01M	5	<1	4	50	2	330	10
015S014E12R01M	40	<1	3	40	<1	190	10
015S015E09R01M	<1	--	4	94	3	8	7
015S015E08D01M	20	<1	8	160	<1	330	50
015S014E11D03M	5	<1	3	30	<1	270	80
015S014E01R01M	20	<1	1	40	1	220	20
015S014E01N03M	<1	<1	<1	40	<1	220	500
015S014E04R01M	<1	<1	1	40	<1	200	40
015S014E04N01M	5	<1	1	20	<1	80	<10
015S014E06R01M	20	<1	<1	30	<1	90	<10
015S016E05J01M	<1	--	<1	48	<1	17	82
	<1	--	<1	48	7	16	86
015S015E04A01M	6	<1	20	11000	1	670	21000
015S015E06D03M	5	<1	3	50	<8	230	160
015S014E01D02M	3	<1	<1	40	<1	190	880
015S014E03A01M	<1	<1	1	100	<1	310	250
015S014E05D01M	20	<1	3	80	<1	210	10
015S014E06D03M	10	<1	1	50	<1	260	10
014S015E33R04M	<1	<1	1	60	<1	150	1300
014S013E13G01M	<1	--	<1	50	<1	60	240
014S014E07N02M	120	45	<1	60	<1	160	<10
014S014E09Q01M	<1	--	<1	110	<1	20	110
014S013E12P01M	<1	--	<1	110	<1	70	240
013S015E34J07M	<1	--	2	61	<1	<4	5
013S013E23N02M	110	15	1	23	<1	60	10
013S013E16N02M	20	<1	<1	20	<1	90	<10
013S015E18Q02M	<1	--	3	110	1	8	26
013S013E07R01M	4	<1	<1	30	<1	110	70
013S014E03B01M	<1	--	1	900	3	34	520
013S012E04A01M	50	--	--	--	--	--	--
013S012E04A02M	60	--	5	60	<1	270	10
013S012E04A03M	8	--	8	30	<1	160	<10

TABLE 3.--Continued

WELL NO.	MERCURY, DIS-SOLVED (UG/L AS HG)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)
018S017E27F01M	<0.1	9	5	1	<1	5	8
018S017E27F02M	<0.1	25	6	55	<1	18	30
	<0.1	18	--	54	--	21	30
018S017E25A01M	<0.1	43	1	26	<1	9	<10
018S016E22N03M	<0.1	11	<1	5	<1	5	10
018S016E20R02M	<0.1	7	1	28	<1	11	20
018S017E24N04M	<0.1	110	<1	7	<1	4	20
018S017E21N01M	<0.1	20	2	<1	<1	1	20
018S016E23A03M	<0.1	12	4	25	<1	6	10
018S017E20D01M	<0.1	5	1	<1	<1	2	<10
018S019E02R01M	<0.1	4	<1	<1	<1	3	<3
017S018E35R02M	<0.1	2	5	<1	<1	2	8
017S016E29N02M	<0.1	4	2	46	<1	5	10
017S016E20N01M	<0.1	6	11	5	<1	27	20
017S017E16Q01M	0.2	12	2	<1	<1	1	5
017S016E04N03M	<0.1	10	2	40	<1	4	10
017S018E02A02M	<0.1	<1	<1	<1	<1	<1	12
017S016E04D01M	<0.1	22	<1	33	<1	4	<10
016S015E21N01M	<0.1	15	1	19	<1	<7	<10
016S015E20E02M	<0.1	100	2	550	<1	6	10
016S015E14D01M	<0.1	8	6	1	<1	5	20
016S015E07N02M	<0.1	17	1	6	<1	16	<10
015S014E32D01M	<0.1	<1	4	93	<1	2	<10
015S014E29D01M	<0.1	22	6	50	<1	2	10
015S015E15D01M	1.4	380	19	2000	1	63	40
015S015E17A03M	<0.1	4000	1	2200	1	150	210
015S014E14D02M	<0.1	6	10	62	<1	6	20
015S014E17A01M	<0.1	6	4	140	<1	<3	20
015S014E17D01M	<0.1	13	7	72	1	4	<10
015S014E12R01M	<0.1	87	2	2100	<1	35	10
015S015E09R01M	<0.1	2	9	3	<1	2	18
015S015E08D01M	0.5	1800	1	2000	<1	110	240
015S014E11D03M	<0.1	14	5	550	<1	7	20
015S014E01R01M	<0.1	72	2	1200	<1	25	<10
015S014E01N03M	<0.1	130	5	5	<1	9	10
015S014E04R01M	<0.1	25	1	64	<1	3	10
015S014E04N01M	<0.1	2	<1	52	<1	<2	10
015S014E06R01M	<0.1	6	3	13	<1	<2	<10
015S016E05J01M	<0.1	23	1	1	<1	4	8
	<0.1	18	2	<1	<1	2	11
015S015E04A01M	<0.1	<1	4600	4	<1	35	930
015S015E06D03M	<0.1	38	10	450	<1	26	20
015S014E01D02M	<0.1	38	9	24	<1	3	10
015S014E03A01M	<0.1	9	9	2	<1	<8	20
015S014E05D01M	<0.1	5	5	23	<1	<3	<10
015S014E06D03M	<0.1	7	1	12	<1	1	10
014S015E33R04M	--	280	55	5	<1	16	40
014S013E13G01M	<0.1	17	<1	<1	<1	8	<10
014S014E07N02M	<0.1	10	1	39	<1	6	<10
014S014E09Q01M	<0.1	18	<1	<1	<1	6	<10
014S013E12P01M	<0.1	21	2	<1	<1	10	10
013S015E34J07M	<0.1	2	4	<1	<1	1	<3
013S013E23N02M	<0.1	36	1	29	<1	9	<10
013S013E16N02M	<0.1	14	2	22	<1	3	10
013S015E18Q02M	<0.1	<1	<1	<1	<1	<1	<3
013S013E07R01M	<0.1	23	4	15	<1	2	10
013S014E03B01M	0.4	<1	<1	<1	<1	<1	59
013S012E04A01M	<0.1	--	5	37	--	4	--
013S012E04A02M	<0.1	1	6	180	<1	6	20
013S012E04A03M	<0.1	<1	9	8	<1	4	20

TABLE 3.--Continued

WELL NO.	STATION NO.	DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC, DISSOLVED (UG/L AS AS)	BORON, DISSOLVED (UG/L AS B)	CADMIUM, DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)
013S012E04A04M	365004120392404	04-10-85	<10	<1	3500	2	60	2	40
013S012E04A05M	365004120392405	04-10-85	<10	<1	4600	1	50	3	40
013S012E04A06M	365004120392406	04-10-85	640	<1	5500	1	80	7	1400
013S012E04A07M	365004120392407	04-10-85	<10	<1	7400	2	60	2	40
013S012E04A08M	365004120392408	04-10-85	<10	<1	2800	<1	30	3	30
013S012E04A09M	365004120392409	04-10-85	10	<1	5200	<1	20	3	30
013S012E04A10M	365004120392410	04-10-85	<10	<1	4800	<1	50	2	30
013S012E04A11M	365004120392411	04-11-85	<10	<1	7900	1	60	3	50
013S012E04A12M	365004120392412	04-11-85	10	<1	12000	<1	10	2	50
013S012E04A13M	365004120392413	04-11-85	--	<1	13000	--	10	--	--
013S012E04A14M	365004120392414	04-11-85	<10	<1	10000	<1	70	1	40
012S013E35N01M	365018120312601	03-18-85	10	--	4500	<1	--	4	40
012S013E35N02M	365018120312602	03-18-85	80	<1	--	<1	6	11	130
012S013E35N04M	365018120312604	03-19-85	<10	<1	--	<1	10	5	60
012S013E35N05M	365018120312605	03-19-85	60	<1	7700	<1	20	4	90
012S013E35N06M	365018120312606	03-19-85	20	<1	8100	<1	<10	4	50
012S013E35N07M	365018120312607	03-19-85	10	<1	21000	<1	20	2	50
012S013E35N08M	365018120312608	03-19-85	10	<1	--	<1	8	6	50
012S013E35N09M	365018120312609	03-19-85	20	<1	13000	<1	20	3	50
012S013E35N10M	365018120312610	03-20-85	20	<1	6100	<1	8	3	40
012S013E35N11M	365018120312611	03-20-85	<10	<1	5100	1	10	4	50
012S013E35N12M	365018120312612	03-21-85	<10	<1	9900	1	20	3	70
012S013E35N13M	365018120312613	03-21-85	20	<1	4400	<1	10	3	60
012S013E35N14M	365018120312614	03-21-85	20	<1	6000	<1	8	5	60
012S013E35N15M	365018120312615	03-21-85	20	<1	3800	<1	<2	17	40
012S013E35N16M	365018120312616	03-21-85	20	<1	--	<1	10	6	50
012S013E35N17M	365018120312617	03-21-85	40	<1	4300	<1	4	6	70
012S013E35N18M	365018120312618	03-20-85	30	<1	6400	<1	10	6	50
012S013E35N19M	365018120312619	03-20-85	30	<1	8400	<1	8	8	60
012S013E35N21M	365018120312621	03-20-85	20	<1	4900	<1	6	5	110
012S013E35N22M	365018120312622	03-20-85	150	<1	10000	<1	10	7	40
012S013E35N23M	365018120312623	03-20-85	20	<1	9800	<1	6	4	70
012S013E35N24M	365018120312624	03-20-85	20	<1	5300	<1	10	4	40
012S013E35N25M	365018120312625	03-21-85	<10	<1	6500	<1	8	7	40
012S013E35N26M	365018120312626	03-21-85	<10	<1	--	<1	8	8	50
012S013E35N27M	365018120312627	03-21-85	20	1	13000	<1	10	2	40
012S013E31A01M	365102120344701	04-02-85	20	--	77000	1	--	20	100
012S013E31A02M	365102120344702	04-02-85	10	2	6300	1	<2	14	110
012S013E31A03M	365102120344703	04-02-85	20	2	77000	--	4	20	110
012S013E31A04M	365102120344704	04-02-85	10	1	54000	1	<10	14	90
012S013E31A05M	365102120344705	04-02-85	30	<1	28000	1	2	13	90
012S013E31A06M	365102120344706	04-02-85	10	1	50000	1	<2	12	80
012S013E31A07M	365102120344707	04-03-85	10	<1	--	<1	4	10	100
012S013E31A08M	365102120344708	04-03-85	10	2	63000	2	<1	18	120
012S013E31A09M	365102120344709	04-03-85	10	2	60000	1	<2	20	100
012S013E31A10M	365102120344710	04-03-85	20	2	65000	3	<1	13	120
012S013E31A11M	365102120344711	04-03-85	20	--	44000	1	--	14	110
012S013E31A12M	365102120344712	04-03-85	10	<1	39000	1	<2	9	100
012S013E31A13M	365102120344713	04-03-85	10	1	58000	2	<2	14	90
012S013E31A14M	365102120344714	04-03-85	10	<1	26000	2	<2	8	60
012S013E31A15M	365102120344715	04-03-85	20	--	55000	1	--	18	90
012S013E31A16M	365102120344716	04-04-85	20	1	46000	2	<2	13	80
012S013E31A17M	365102120344717	04-04-85	30	1	40000	2	2	21	100
012S013E31A18M	365102120344718	04-04-85	20	1	57000	1	<2	15	80
012S013E31A19M	365102120344719	04-04-85	20	<1	52000	1	1	13	100
012S013E31A20M	365102120344720	04-04-85	10	2	58000	1	<2	14	90
012S013E31A21M	365102120344721	04-04-85	20	1	51000	<1	<2	14	100
012S013E31A22M	365102120344722	04-04-85	<10	<1	44000	2	2	11	90
012S013E31A23M	365102120344723	04-04-85	20	<1	--	1	<2	12	90
012S013E31A24M	365102120344724	04-04-85	20	1	55000	2	<1	10	90

TABLE 3.--Continued

WELL NO.	LEAD, DIS-SOLVED (UG/L AS PB)	LITHIUM, DIS-SOLVED (UG/L AS LI)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY, DIS-SOLVED (UG/L AS HG)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)
013S012E04A04M	<1	170	<10	<0.1	<1	8	17	1	7	20
013S012E04A05M	5	230	10	<0.1	<1	6	24	1	11	20
013S012E04A06M	2	240	60	<0.1	<1	7	27	1	15	20
013S012E04A07M	3	280	20	<0.1	5	9	52	1	16	20
013S012E04A08M	4	120	<10	<0.1	5	4	11	1	4	<10
013S012E04A09M	6	170	<10	<0.1	<1	7	32	<1	8	10
013S012E04A10M	5	150	<10	<0.1	2	6	24	<1	7	10
013S012E04A11M	4	280	20	0.4	<1	7	13	<1	15	20
013S012E04A12M	4	300	50	0.2	10	7	5	<1	34	20
013S012E04A13M	--	--	--	<0.1	--	6	4	--	32	--
013S012E04A14M	4	150	10	0.4	7	3	58	1	20	30
012S013E35N01M	6	280	20	0.3	11	--	--	<1	10	20
012S013E35N02M	9	290	20	--	11	11	65	<1	--	20
012S013E35N04M	7	310	10	--	11	4	55	<1	--	10
012S013E35N05M	8	310	100	<0.1	11	13	98	<1	14	20
012S013E35N06M	8	390	10	<0.1	20	10	90	<1	18	10
012S013E35N07M	5	250	10	<0.1	44	3	200	<1	29	20
012S013E35N08M	<1	300	10	--	7	12	280	<1	--	20
012S013E35N09M	<1	410	<10	<0.1	13	5	110	<1	24	10
012S013E35N10M	<1	360	10	<0.1	10	4	76	2	11	20
012S013E35N11M	<1	320	10	<0.1	11	4	68	<1	17	10
012S013E35N12M	<1	360	10	<0.1	8	5	150	15	26	10
012S013E35N13M	<1	290	10	<0.1	8	4	45	<1	7	10
012S013E35N14M	1	310	20	<1.0	12	5	57	<1	8	30
012S013E35N15M	3	290	30	<0.1	14	3	45	<1	7	10
012S013E35N16M	<1	310	30	--	7	4	110	6	--	10
012S013E35N17M	<1	300	30	<0.1	13	6	58	<1	7	10
012S013E35N18M	<1	350	10	<0.1	12	7	87	<1	13	20
012S013E35N19M	<1	360	10	<0.1	18	2	68	<1	12	20
012S013E35N21M	1	320	10	<0.1	14	5	41	<1	8	20
012S013E35N22M	<1	390	10	<0.1	11	5	100	<1	16	20
012S013E35N23M	4	380	<10	<0.1	6	8	130	<1	22	20
012S013E35N24M	2	310	<10	<0.1	9	5	47	<1	11	20
012S013E35N25M	3	360	<10	<0.1	13	7	11	<1	8	20
012S013E35N26M	1	330	<10	--	14	5	47	<1	--	20
012S013E35N27M	<1	260	20	<0.1	30	3	240	<1	35	10
012S013E31A01M	4	300	30	0.2	11	--	--	<1	96	30
012S013E31A02M	3	330	30	0.2	<1	10	5000	4	150	30
012S013E31A03M	5	340	30	<0.1	<1	13	7300	1	220	40
012S013E31A04M	4	340	20	2.1	<1	13	3100	2	130	20
012S013E31A05M	<1	370	20	--	<1	14	1000	1	150	30
012S013E31A06M	1	350	20	<0.1	<1	11	3200	<1	160	20
012S013E31A07M	<1	370	30	--	<1	--	6200	<1	8	30
012S013E31A08M	4	320	30	<0.1	<1	10	--	1	250	30
012S013E31A09M	4	320	30	<0.1	<1	9	6400	1	220	30
012S013E31A10M	<1	300	30	0.1	9	4	--	1	250	30
012S013E31A11M	5	360	30	<0.1	<1	--	--	1	270	30
012S013E31A12M	2	390	30	4.1	<1	5	--	<1	170	30
012S013E31A13M	<1	340	20	0.2	<1	7	5700	<1	170	30
012S013E31A14M	<1	340	20	0.6	<1	5	550	<1	90	20
012S013E31A15M	2	320	20	<0.1	3	--	--	1	95	30
012S013E31A16M	<1	370	20	2.0	<1	7	3600	1	180	20
012S013E31A17M	<1	320	20	<0.1	<1	11	1100	<1	72	20
012S013E31A18M	<1	360	20	--	<1	11	3600	<1	160	30
012S013E31A19M	1	370	30	<0.1	<1	7	--	<1	180	30
012S013E31A20M	3	330	20	<0.1	<1	10	2500	<1	150	20
012S013E31A21M	3	360	20	0.4	<1	8	3900	<1	140	30
012S013E31A22M	<1	380	20	<0.1	<1	7	4000	1	160	30
012S013E31A23M	<1	390	20	--	<1	5	4700	1	--	30
012S013E31A24M	<1	380	20	<0.1	<1	7	6700	2	210	30

TABLE 3.--Continued

WELL NO.	STATION NO.	DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC, DISSOLVED (UG/L AS AS)	BORON, DISSOLVED (UG/L AS B)	CADMIUM, DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)
012S013E31A25M	365102120344725	04-04-85	10	2	61000	<1	<2	16	100
012S013E31A26M	365102120344726	04-04-85	20	--	67000	1	--	13	100
012S013E31A27M	365102120344727	04-04-85	10	1	45000	2	20	10	80
012S011E14C01M	365327120441301	05-14-85	10	5	2800	<1	<1	2	11
012S014E07E01M	365423120291401	05-15-85	10	<1	200	<1	<1	1	<3
012S014E07E01M	365423120291401	11-05-85	<10	2	210	<1	<1	2	740
010S013E29P01M	370145120341701	04-30-85	<10	11	40	<1	<1	<1	5
010S012E22J01M	370248120380701	04-29-85	<10	8	140	<1	<1	<1	82
010S010E22H04M	370259120511201	04-30-85	<10	4	1000	<1	20	<1	9
010S010E23A02M	370322120501901	04-11-85	10	9	740	<1	20	2	<6
010S009E14H02M	370355120564901	04-10-85	20	18	1700	<10	4	<10	30
010S013E01J02M	370515120293001	05-14-85	<10	15	40	<1	<1	1	4
009S011E34N02M	370557120453901	04-10-85	10	4	340	<4	<1	<4	5200
009S010E35Q02M	370600120503501	04-09-85	10	12	2100	2	<1	4	30
009S009E33C01M	370644120591601	03-28-85	<10	<1	480	<1	3	<1	<3
009S010E32B01M	370650120534101	04-09-85	10	4	1500	<1	<1	<1	<3
009S009E14N02M	370843120572301	03-28-85	10	<1	1400	<1	<1	<1	60
009S011E07N04M	370936120484701	04-10-85	10	3	2500	<1	<1	2	10
009S012E05D01M	371109120411401	04-10-85	10	6	40	<1	<1	<1	16
008S009E34Q01M	371125120575701	03-27-85	10	<1	2400	<1	<1	<1	30
008S009E17B01M	371433120595601	03-27-85	20	<1	470	<1	6	2	4
008S008E01H01M	371613121015201	03-27-85	10	<1	480	<1	7	1	3
007S009E34Q01M	371631120574401	03-28-85	10	1	2900	<1	<1	<1	90
007S008E27Q01M	371723121042901	05-13-85	<10	<1	470	<1	<1	2	<3
007S010E20F01M	371833120534701	05-13-85	10	<1	2900	<1	--	1	40
007S008E13N03M	371912121025001	03-26-85	10	<1	640	<1	30	2	40
007S009E18D01M	371953121013701	03-26-85	10	<1	740	<1	20	1	5
007S010E11Q01M	372004120501301	05-14-85	10	38	120	<1	<1	6	980
006S009E09A02M	372603120584701	05-21-85	<10	1	540	<1	<1	4	40
006S008E03R02M	372608121041201	05-16-85	<10	2	410	<1	10	<1	<3
006S008E04P01M	372608121054401	05-16-85	20	<1	510	<1	10	4	7
006S007E01R01M	372610121083101	05-16-85	10	1	860	<1	1	1	10
006S009E04M01M	372619120593001	05-15-85	20	<1	290	<1	<2	3	50
005S008E32K03M	372722121063301	04-30-85	<10	1	670	<1	30	4	8
005S007E27B01M	372843121110401	05-16-85	<10	1	1200	<1	10	<1	10
005S008E22C01M	372927121044401	04-30-85	<10	3	2200	<1	<1	7	30
005S007E01M02M	373137121092701	05-01-85	<10	<1	580	<1	9	1	5
004S007E36Q03M	373224121085201	03-13-85	20	<1	590	<1	9	<1	12
004S007E33B01M	373258121115901	03-12-85	20	3	900	<1	30	9	50
004S008E07P01M	373548121075701	07-02-85	<10	2	480	1	<1	<1	40
004S006E09M01M	373557121191901	03-13-85	20	<1	430	<1	<1	<1	9
004S008E12E01M	373616121025001	05-01-85	<10	3	60	1	2	2	<3
003S006E26Q01M	373820121163501	03-12-85	20	<1	790	2	4	<1	110
003S005E20A02M	373957121260101	03-28-85	20	<1	3000	<1	4	5	5
003S007E07Q01M	374058121141501	03-12-85	10	2	50	1	1	<1	86
003S006E07E01M	374136121213601	03-11-85	20	1	1600	<1	7	<1	30
002S006E20L02M	374445121200001	05-21-85	<10	5	570	<10	<1	1	47
002S005E21D01M	374509121260001	03-27-85	<10	1	1300	<1	7	<1	<3
002S005E13P01M	374528121221801	03-28-85	10	<1	2200	<1	10	3	30

TABLE 3.--Continued

WELL NO.	LEAD, DIS-SOLVED (UG/L AS PB)	LITHIUM, DIS-SOLVED (UG/L AS LI)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY, DIS-SOLVED (UG/L AS HG)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)
012S013E31A25M	1	340	20	<0.1	<1	7	3700	<1	180	30
012S013E31A26M	<1	360	20	<0.1	<1	--	--	1	210	30
012S013E31A27M	1	310	20	0.3	45	6	3700	1	110	30
012S011E14C01M	10	64	150	--	8	26	1	<2	5	56
012S014E07E01M	<1	12	36	--	6	7	--	<1	2	14
012S014E07E01M	<1	12	1300	<0.1	5	3	<1	<1	4	8
010S013E29P01M	<1	8	97	<0.1	5	<1	<1	<1	11	14
010S012E22J01M	<1	8	580	<0.1	4	1	<1	<1	<1	21
010S010E22H04M	<1	31	5	<0.1	<1	<1	1	<1	17	27
010S010E23A02M	5	31	1	--	2	1	<1	<1	22	19
010S009E14H02M	30	110	<10	--	10	<10	3	<10	43	20
010S013E01J02M	7	<4	13	<0.1	<1	4	<1	<1	92	16
009S011E34N02M	<4	20	2300	--	7	<4	<1	<4	7	110
009S010E35Q02M	2	40	<10	--	5	1	6	<1	25	20
009S009E33C01M	<1	16	<1	<0.1	<1	4	<1	<1	4	12
009S010E32B01M	2	27	150	--	8	<1	1	1	10	21
009S009E14N02M	<1	60	60	0.1	6	3	<1	<1	23	20
009S011E07N04M	4	13	88	--	29	2	<1	<1	3	<3
009S012E05D01M	2	6	42	--	15	2	<1	<1	15	8
008S009E34Q01M	<1	50	<10	<0.1	<1	4	4	<1	13	50
008S009E17B01M	2	41	<1	<0.1	<1	5	1	<1	1	110
008S008E01H01M	1	35	<1	<0.1	<1	2	2	<1	<1	20
007S009E34Q01M	1	30	120	0.2	11	7	<1	<1	5	<10
007S008E27Q01M	<1	59	12	<0.1	<1	4	<1	<1	8	130
007S010E20F01M	4	<10	110	0.3	23	4	<1	<1	4	20
007S008E13N03M	5	70	<10	0.1	<1	6	<1	<1	16	70
007S009E18D01M	4	48	<1	<0.1	<1	5	2	<1	1	160
007S010E11Q01M	1	11	1200	<0.1	4	2	<1	1	16	15
006S009E09A02M	<1	20	1000	0.1	12	21	<1	<1	68	40
006S008E03R02M	3	77	<1	<0.1	<1	2	8	<1	8	27
006S008E04P01M	4	100	4	<0.1	<1	5	4	<1	5	37
006S007E01R01M	3	110	4	<0.1	1	1	6	<1	8	370
006S009E04M01M	4	<10	1000	--	1	1	<1	<1	22	10
005S008E32K03M	<1	87	2	<0.1	2	<1	11	<1	5	13
005S007E27B01M	5	130	4	<0.1	1	1	5	2	7	140
005S008E22C01M	1	120	60	0.1	3	<1	13	<1	7	200
005S007E01M02M	<1	29	<1	<0.1	<1	1	2	<1	5	79
004S007E36Q03M	1	26	1	<0.1	<1	1	1	<1	5	52
004S007E33B01M	<1	70	20	<0.1	<1	1	10	<1	10	50
004S008E07P01M	4	40	1300	0.3	10	<1	<1	<1	36	20
004S006E09M01M	<1	21	6	0.8	<1	2	2	<1	2	250
004S008E12E01M	<1	13	<1	0.2	<1	<1	<1	2	23	19
003S006E26Q01M	<1	39	13	0.1	<1	<1	1	<1	4	71
003S005E20A02M	<1	48	2	<0.1	1	6	2	<1	8	5
003S007E07Q01M	<1	<4	150	<0.1	<1	<1	<1	<1	1	26
003S006E07E01M	<1	70	10	<0.1	1	4	2	<1	13	50
002S006E20L02M	2	11	150	<0.1	3	<1	<1	<1	<1	11
002S005E21D01M	<1	25	1	<0.1	2	5	3	<1	4	19
002S005E13P01M	<1	50	<10	<0.1	<1	8	4	<1	12	10

ABLE 3.--Continued

PESTICIDES AND VOLATILE ORGANIC COMPOUNDS

WELL NO.	STATION NO.	DATE	DI-CHLORO-BROMO-METHANE, TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE, TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE, TOTAL (UG/L)	BROMO-FORM, TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE, TOTAL (UG/L)	CHLORO-FORM, TOTAL (UG/L)	TOLUENE, TOTAL (UG/L)
011N018W06M01S	350401118503501	07-28-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
012N020W26A01S	350533118584201	08-05-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
032S027E36Q01M	350539119014201	07-18-86	--	--	--	--	--	--	--
032S029E20G01M	350745118525301	07-16-86	--	--	--	--	--	--	--
032S028E11H01M	350933118560301	07-18-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
031S029E29P01M	351152118532601	07-30-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
031S030E30M01M	351206118481801	07-30-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
031S024E22L02M	351257119230401	07-29-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
031S025E15H01M	351353119161501	07-29-86	--	--	--	--	--	--	--
031S025E16B01M	351408119173101	07-29-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
031S028E18D01M	351412119011301	07-20-86	--	--	--	--	--	--	--
031S027E16D01M	351415119052201	07-29-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
031S025E10H01M	351453119162601	07-29-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
031S027E01E03M	351537119020501	07-29-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
031S026E01H01M	351540119074101	07-29-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
031S026E04B01M	351559119111501	08-07-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
030S030E32J01M	351629118461201	07-19-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
030S028E29P01M	351655118594301	07-19-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
030S025E21P04M	351749119175301	07-30-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--
030S026E21P01M	351751119112001	07-15-86	--	--	--	--	--	--	--
030S027E24C01M	351836119015801	07-23-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
030S029E18D02M	351929118543501	07-20-86	--	--	--	--	--	--	--
030S024E06A01M	352115119260001	07-17-86	--	--	--	--	--	--	--
029S024E30F03M	352240119262201	07-18-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
029S023E21H02M	352332119300301	07-22-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
029S025E17R01M	352356119182101	07-19-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
029S027E15N01M	352403119042301	07-16-86	--	--	--	--	--	--	--
029S025E03L04M	352554119164601	07-21-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
029S028E02K01M	352603118561601	07-23-86	--	--	--	--	--	--	--
029S026E02C01M	352631119091801	07-20-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
028S025E34R01M	352633119154101	07-30-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
028S023E25R01M	352727119262001	07-20-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
028S024E30M01M	352749119261501	07-17-86	--	--	--	--	--	--	--
027S026E08Q01M	353516119113901	07-31-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--
027S026E07H01M	353544119121601	08-05-86	<3.0	20	<3.0	<3.0	<3.0	<3.0	<3.0
027S023E01H01M	353633119261401	08-21-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
026S025E27C01M	353843119160201	07-31-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
026S026E18H02M	354004119121501	08-13-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
025S020E27B03M	354350119475901	07-31-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
024S023E36H02M	354752119254101	08-09-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
024S025E19F01M	354947119184201	08-07-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
024S026E19D01M	354952119124301	08-05-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
024S027E22C01M	355001119023901	08-07-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
023S027E27B01M	355412119023501	08-06-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
023S018E30A02M	355422120032701	08-13-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
023S026E03H02M	355736119083401	08-05-86	--	--	--	--	--	--	--
022S017E26A01M	355924120054401	08-12-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
022S019E29D01M	355934119565401	08-09-86	--	--	--	--	--	--	--
022S026E18A01M	360117119114801	08-13-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
022S024E02A01M	360302119202101	08-07-86	--	--	--	--	--	--	--
021S024E31P02M	360305119251101	08-26-86	--	--	--	--	--	--	--
021S025E26H01M	360432119140701	08-14-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
021S017E12E02M	360659120053101	07-01-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	5.9
021S025E10D03M	360712119154901	08-14-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
021S022E02F01M	360758119334401	08-08-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
020S018E33E03M	360852120014601	05-15-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
020S020E10L01M	361212119472101	08-20-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
020S021E09C01M	361235119421101	08-12-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
020S021E01Q01M	361243119382301	08-12-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
019S020E33A01M	361424119475301	08-13-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

TABLE 3.--Continued

WELL NO.	BENZENE, TOTAL (UG/L)	CHLORO-BENZENE, TOTAL (UG/L)	CHLORO-ETHANE, TOTAL (UG/L)	ETHYL-BENZENE, TOTAL (UG/L)	METHYL-BROMIDE, TOTAL (UG/L)	METHYL-CHLO-RIDE, TOTAL (UG/L)	METHYL-ENE CHLO-RIDE, TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE, TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE, TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE, TOTAL (UG/L)
011N018W06M01S	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
012N020W26A01S	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
032S027E36Q01M	--	--	--	--	--	--	--	--	--	--
032S029E20G01M	--	--	--	--	--	--	--	--	--	--
032S028E11H01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
031S029E29P01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
031S030E30M01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
031S024E22L02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
031S025E15H01M	--	--	--	--	--	--	--	--	--	--
031S025E16B01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
031S028E18D01M	--	--	--	--	--	--	--	--	--	--
031S027E16D01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
031S025E10H01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
031S027E01E03M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
031S026E01H01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
031S026E04B01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
030S030E32J01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<9.0	<3.0	<3.0	<3.0
030S028E29P01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.5	<3.0	<3.0	<3.0
030S025E21P04M	<3.0	--	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
030S026E21P01M	--	--	--	--	--	--	--	--	--	--
030S027E24C01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
030S029E18D02M	--	--	--	--	--	--	--	--	--	--
030S024E06A01M	--	--	--	--	--	--	--	--	--	--
029S024E30F03M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
029S023E21H02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<4.0	<3.0	<3.0	<3.0
029S025E17R01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<7.0	<3.0	<3.0	<3.0
029S027E15N01M	--	--	--	--	--	--	--	--	--	--
029S025E03L04M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
029S028E02K01M	--	--	--	--	--	--	--	--	--	--
029S026E02C01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<10	<3.0	<3.0	<3.0
028S025E34R01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
028S023E25R01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<5.0	<3.0	<3.0	<3.0
028S024E30M01M	--	--	--	--	--	--	--	--	--	--
027S026E08Q01M	<3.0	--	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
027S026E07H01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
027S023E01H01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
026S025E27C01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
026S026E18H02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
025S020E27B03M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
024S023E36H02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
024S025E19F01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
024S026E19D01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
024S027E22C01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
023S027E27B01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
023S018E30A02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
023S026E03H02M	--	--	--	--	--	--	--	--	--	--
022S017E26A01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
022S019E29D01M	--	--	--	--	--	--	--	--	--	--
022S026E18A01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
022S024E02A01M	--	--	--	--	--	--	--	--	--	--
021S024E31P02M	--	--	--	--	--	--	--	--	--	--
021S025E26H01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
021S017E12E02M	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0
021S025E10D03M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
021S022E02F01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
020S018E33E03M	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	<3.0
020S020E10L01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
020S021E09C01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
020S021E01Q01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
019S020E33A01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

TABLE 3.--Continued

WELL NO.	1,1-DICHLOROETHYLENE, TOTAL (UG/L)	1,1,1-TRICHLOROETHANE, TOTAL (UG/L)	1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	1,1,2,2 TETRACHLOROETHANE, TOTAL (UG/L)	1,2-DICHLOROBENZENE, TOTAL (UG/L)	1,2-DICHLOROPROPANE, TOTAL (UG/L)	1,2-TRANSDICHLOROETHYLENE, TOTAL (UG/L)	1,3-DICHLOROPROPANE, TOTAL (UG/L)	1,3-DICHLOROBENZENE, TOTAL (UG/L)	1,4-DICHLOROBENZENE, TOTAL (UG/L)
011N018W06M01S	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
012N020W26A01S	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
032S027E36Q01M	--	--	--	--	--	--	--	--	--	--
032S029E20G01M	--	--	--	--	--	--	--	--	--	--
032S028E11H01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
031S029E29P01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
031S030E30M01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
031S024E22L02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
031S025E15H01M	--	--	--	--	--	--	--	--	--	--
031S025E16B01M	<3.0	4.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
031S028E18D01M	--	--	--	--	--	--	--	--	--	--
031S027E16D01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
031S025E10H01M	<3.0	11	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
031S027E01E03M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
031S026E01H01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
031S026E04B01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
030S030E32J01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
030S028E29P01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
030S025E21P04M	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	--	--
030S026E21P01M	--	--	--	--	--	--	--	--	--	--
030S027E24C01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
030S029E18D02M	--	--	--	--	--	--	--	--	--	--
030S024E06A01M	--	--	--	--	--	--	--	--	--	--
029S024E30F03M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
029S023E21H02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
029S025E17R01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
029S027E15N01M	--	--	--	--	--	--	--	--	--	--
029S025E03L04M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
029S028E02K01M	--	--	--	--	--	--	--	--	--	--
029S026E02C01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
028S025E34R01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
028S023E25R01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
028S024E30M01M	--	--	--	--	--	--	--	--	--	--
027S026E08Q01M	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	--	--
027S026E07H01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
027S023E01H01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
026S025E27C01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
026S026E18H02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
025S020E27B03M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
024S023E36H02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
024S025E19F01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
024S026E19D01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
024S027E22C01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
023S027E27B01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
023S018E30A02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
023S026E03H02M	--	--	--	--	--	--	--	--	--	--
022S017E26A01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
022S019E29D01M	--	--	--	--	--	--	--	--	--	--
022S026E18A01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
022S024E02A01M	--	--	--	--	--	--	--	--	--	--
021S024E31P02M	--	--	--	--	--	--	--	--	--	--
021S025E26H01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
021S017E12E02M	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	--	--
021S025E10D03M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
021S022E02F01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
020S018E33E03M	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0	<3.0	--	--
020S020E10L01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
020S021E09C01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
020S021E01Q01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
019S020E33A01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

TABLE 3.--Continued

WELL NO.	2-CHLORO-ETHYL-VINYL-ETHER, TOTAL (UG/L)	DI-CHLORO-DI-FLUORO-METHANE, TOTAL (UG/L)	TRANS-1,3-DI-CHLORO-PROPENE, TOTAL (UG/L)	CIS 1,3-DI-CHLORO-PROPENE, TOTAL (UG/L)	DI-SYSTON, TOTAL (UG/L)	PHORATE, TOTAL (UG/L)	PRO-PAZINE, TOTAL (UG/L)	SIME-TRYNE, TOTAL (UG/L)	SIMA-ZINE, TOTAL (UG/L)
011N018W06M01S	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
012N020W26A01S	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	0.10
032S027E36Q01M	--	--	--	--	--	--	<0.10	<0.1	<0.10
032S029E20G01M	--	--	--	--	--	--	<0.10	<0.1	<0.10
032S028E11H01M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
031S029E29P01M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
031S030E30M01M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
031S024E22L02M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
031S025E15H01M	--	--	--	--	--	--	<0.10	<0.1	<0.10
031S025E16B01M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
031S028E18D01M	--	--	--	--	--	--	<0.10	<0.1	1.0
031S027E16D01M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	0.20
031S025E10H01M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
031S027E01E03M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
031S026E01H01M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
031S026E04B01M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
030S030E32J01M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
030S028E29P01M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
030S025E21P04M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
030S026E21P01M	--	--	--	--	--	--	<0.10	--	<0.10
030S027E24C01M	<3.0	<3.0	<3.0	<3.0	<0.01	<0.01	<0.10	<0.1	<0.10
030S029E18D02M	--	--	--	--	--	--	<0.10	<0.1	<0.10
030S024E06A01M	--	--	--	--	--	--	<0.10	--	<0.10
029S024E30F03M	<3.0	<3.0	<3.0	<3.0	<0.01	<0.01	--	--	--
029S023E21H02M	<3.0	<3.0	<3.0	<3.0	<0.01	<0.01	<0.10	<0.1	<0.10
029S025E17R01M	<3.0	<3.0	<3.0	<3.0	<0.01	<0.01	<0.10	<0.1	<0.10
029S027E15N01M	--	--	--	--	--	--	<0.10	<0.1	<0.10
029S025E03L04M	<3.0	<3.0	<3.0	<3.0	<0.01	<0.01	<0.10	<0.1	<0.10
029S028E02K01M	--	--	--	--	--	--	<0.10	<0.1	<0.10
029S026E02C01M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
028S025E34R01M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
028S023E25R01M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
028S024E30M01M	--	--	--	--	--	--	<0.10	<0.1	<0.10
027S026E08Q01M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
027S026E07H01M	<3.0	<3.0	<3.0	<3.0	--	--	--	--	--
027S023E01H01M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
026S025E27C01M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
026S026E18H02M	<3.0	<3.0	<3.0	<3.0	--	--	--	--	--
025S020E27B03M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
024S023E36H02M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
024S025E19F01M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
024S026E19D01M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
024S027E22C01M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
023S027E27B01M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
023S018E30A02M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
023S026E03H02M	--	--	--	--	--	--	<0.10	<0.1	<0.10
022S017E26A01M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
022S019E29D01M	--	--	--	--	--	--	<0.10	<0.1	<0.10
022S026E18A01M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
022S024E02A01M	--	--	--	--	--	--	<0.10	<0.1	<0.10
021S024E31P02M	--	--	--	--	--	--	<0.10	<0.1	0.10
021S025E26H01M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	0.10
021S017E12E02M	<3.0	<3.0	--	--	--	--	<0.10	<0.1	<0.10
021S025E10D03M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
021S022E02F01M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
020S018E33E03M	<3.0	<3.0	--	--	--	--	<0.10	<0.1	<0.10
020S020E10L01M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
020S021E09C01M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
020S021E01Q01M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10
019S020E33A01M	<3.0	<3.0	<3.0	<3.0	--	--	<0.10	<0.1	<0.10

TABLE 3.--Continued

WELL NO.	PROMETONE, TOTAL (UG/L)	PROMETRYNE, TOTAL (UG/L)	1,2-DIBROMOETHYLENE, TOTAL (UG/L)	VINYL CHLORIDE, TOTAL (UG/L)	TRICHLOROETHYLENE, TOTAL (UG/L)	MALATHION, DISSOLVED (UG/L)	PARATHION, DISSOLVED (UG/L)	DIAZINON, DISSOLVED (UG/L)	GUTHION, TOTAL (UG/L)
011N018W06M01S	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
012N020W26A01S	0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
032S027E36Q01M	<0.1	<0.1	--	--	--	<0.01	<0.01	<0.01	--
032S029E20G01M	<0.1	<0.1	--	--	--	<0.01	<0.01	<0.01	--
032S028E11H01M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
031S029E29P01M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
031S030E30M01M	<0.1	<0.1	<3.0	<3.0	<3.0	--	--	--	--
031S024E22L02M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
031S025E15H01M	<0.1	<0.1	--	--	--	<0.01	<0.01	<0.01	--
031S025E16B01M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
031S028E18D01M	<0.1	<0.1	--	--	--	<0.10	<0.01	<0.01	--
031S027E16D01M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
031S025E10H01M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
031S027E01E03M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.10	<0.10	<0.10	--
031S026E01H01M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
031S026E04B01M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
030S030E32J01M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.10	<0.01	<0.01	--
030S028E29P01M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
030S025E21P04M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
030S026E21P01M	--	<0.1	--	--	--	<0.01	--	--	--
030S027E24C01M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	<0.10
030S029E18D02M	<0.1	<0.1	--	--	--	<0.01	<0.01	<0.01	--
030S024E06A01M	--	<0.1	--	--	--	<0.01	--	--	--
029S024E30F03M	--	--	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	<0.10
029S023E21H02M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	<0.10
029S025E17R01M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	<0.10
029S027E15N01M	<0.1	<0.1	--	--	--	<0.01	<0.01	<0.01	--
029S025E03L04M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	<0.10
029S028E02K01M	<0.1	<0.1	--	--	--	<0.01	<0.01	<0.01	--
029S026E02C01M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
028S025E34R01M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
028S023E25R01M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.10	<0.01	<0.01	--
028S024E30M01M	<0.1	<0.1	--	--	--	<0.01	<0.01	<0.01	--
027S026E08Q01M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
027S026E07H01M	--	--	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
027S023E01H01M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
026S025E27C01M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
026S026E18H02M	--	--	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
025S020E27B03M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
024S023E36H02M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
024S025E19F01M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
024S026E19D01M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
024S027E22C01M	<0.1	<0.1	<3.0	<3.0	5.4	<0.01	<0.01	<0.01	--
023S027E27B01M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
023S018E30A02M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
023S026E03H02M	<0.1	<0.1	--	--	--	<0.01	<0.01	<0.01	--
022S017E26A01M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
022S019E29D01M	<0.1	<0.1	--	--	--	<0.01	<0.01	<0.01	--
022S026E18A01M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
022S024E02A01M	<0.1	<0.1	--	--	--	<0.01	<0.01	<0.01	--
021S024E31P02M	<0.1	<0.1	--	--	--	--	--	--	--
021S025E26H01M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
021S017E12E02M	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01	--
021S025E10D03M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
021S022E02F01M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
020S018E33E03M	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01	--
020S020E10L01M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
020S021E09C01M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
020S021E01Q01M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--
019S020E33A01M	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01	--

TABLE 3.--Continued

WELL NO.	METHYL PARA-THION, DIS-SOLVED (UG/L)	ATRA-ZINE, TOTAL (UG/L)	STYRENE, TOTAL (UG/L)	XYLENE, WATER WHOLE TOT REC (UG/L)	CYAN-AZINE, TOTAL (UG/L)	AME-TRYNE, TOTAL (UG/L)	TRI-THION, DIS-SOLVED (UG/L)	METHYL-TRI-THION, DIS-SOLVED (UG/L)	ETHION, DIS-SOLVED (UG/L)
011N018W06M01S	<0.01	<0.10	<3.0	--	<0.10	<0.10	<0.01	<0.01	<0.01
012N020W26A01S	<0.01	<0.10	<3.0	--	<0.10	<0.10	<0.01	<0.01	<0.01
032S027E36Q01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
032S029E20G01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
032S028E11H01M	<0.01	0.40	<3.0	--	<0.10	<0.10	<0.01	<0.01	<0.01
031S029E29P01M	<0.01	<0.10	<3.0	--	<0.10	<0.10	<0.01	<0.01	<0.01
031S030E30M01M	--	<0.10	<3.0	<3.0	<0.10	<0.10	--	--	--
031S024E22L02M	<0.01	<0.10	<3.0	--	<0.10	<0.10	<0.01	<0.01	<0.01
031S025E15H01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
031S025E16B01M	<0.01	<0.10	<3.0	--	<0.10	<0.10	<0.01	<0.01	<0.01
031S028E18D01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
031S027E16D01M	<0.01	0.40	<3.0	--	<0.10	<0.10	<0.01	<0.01	<0.01
031S025E10H01M	<0.01	<0.10	<3.0	<3.0	<0.10	<0.10	<0.01	<0.01	<0.01
031S027E01E03M	<0.10	<0.10	<3.0	<3.0	<0.10	<0.10	<0.10	<0.10	<0.10
031S026E01H01M	<0.01	<0.10	<3.0	--	<0.10	<0.10	<0.01	<0.01	<0.01
031S026E04B01M	<0.01	<0.10	<3.0	--	<0.10	<0.10	<0.01	<0.01	<0.01
030S030E32J01M	<0.01	<0.10	<3.0	--	<0.10	<0.10	<0.01	<0.01	<0.01
030S028E29P01M	<0.01	<0.10	<3.0	--	<0.10	<0.10	<0.01	<0.01	<0.01
030S025E21P04M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
030S026E21P01M	--	--	--	--	--	--	--	--	--
030S027E24C01M	<0.01	<0.10	<3.0	<3.0	<0.10	<0.10	<0.01	<0.01	<0.01
030S029E18D02M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
030S024E06A01M	--	--	--	--	--	--	--	--	--
029S024E30F03M	<0.01	--	<3.0	<3.0	--	--	<0.01	<0.01	<0.01
029S023E21H02M	<0.01	<0.10	<3.0	<3.0	<0.10	<0.10	<0.01	<0.01	<0.01
029S025E17R01M	<0.01	<0.10	<3.0	<3.0	<0.10	<0.10	<0.01	<0.01	<0.01
029S027E15N01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
029S025E03L04M	<0.01	<0.10	<3.0	<3.0	<0.10	<0.10	<0.01	<0.01	<0.01
029S028E02K01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
029S026E02C01M	<0.01	<0.10	<3.0	--	<0.10	<0.10	<0.01	<0.01	<0.01
028S025E34R01M	<0.01	<0.10	<3.0	--	<0.10	<0.10	<0.01	<0.01	<0.01
028S023E25R01M	<0.01	<0.10	<3.0	--	<0.10	<0.10	<0.01	<0.01	<0.01
028S024E30M01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
027S026E08Q01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
027S026E07H01M	<0.01	--	<3.0	<3.0	--	--	<0.01	<0.01	<0.01
027S023E01H01M	<0.01	<0.10	<3.0	<3.0	<0.10	<0.10	<0.01	<0.01	<0.01
026S025E27C01M	<0.01	<0.10	<3.0	--	<0.10	<0.10	<0.01	<0.01	<0.01
026S026E18H02M	<0.01	--	<3.0	<3.0	--	--	<0.01	<0.01	<0.01
025S020E27B03M	<0.01	<0.10	<3.0	--	<0.10	<0.10	<0.01	<0.01	<0.01
024S023E36H02M	<0.01	<0.10	<3.0	<3.0	<0.10	<0.10	<0.01	<0.01	<0.01
024S025E19F01M	<0.01	<0.10	<3.0	--	<0.10	<0.10	<0.01	<0.01	<0.01
024S026E19D01M	<0.01	<0.10	<3.0	--	<0.10	<0.10	<0.01	<0.01	<0.01
024S027E22C01M	<0.01	<0.10	<3.0	--	<0.10	<0.10	<0.01	<0.01	<0.01
023S027E27B01M	<0.01	<0.10	<3.0	--	<0.10	<0.10	<0.01	<0.01	<0.01
023S018E30A02M	<0.01	<0.10	<3.0	--	<0.10	<0.10	<0.01	<0.01	<0.01
023S026E03H02M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
022S017E26A01M	<0.01	<0.10	<3.0	--	<0.10	<0.10	<0.01	<0.01	<0.01
022S019E29D01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
022S026E18A01M	<0.01	<0.10	<3.0	--	<0.10	<0.10	<0.01	<0.01	<0.01
022S024E02A01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
021S024E31P02M	--	<0.10	--	--	<0.10	<0.10	--	--	--
021S025E26H01M	<0.01	0.20	<3.0	--	<0.10	<0.10	<0.01	<0.01	<0.01
021S017E12E02M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
021S025E10D03M	<0.01	<0.10	<3.0	--	<0.10	<0.10	<0.01	<0.01	<0.01
021S022E02F01M	<0.01	<0.10	<3.0	--	<0.10	<0.10	<0.01	<0.01	<0.01
020S018E33E03M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
020S020E10L01M	<0.01	<0.10	<3.0	<3.0	<0.10	<0.10	<0.01	<0.01	<0.01
020S021E09C01M	<0.01	<0.10	<3.0	--	<0.10	<0.10	<0.01	<0.01	<0.01
020S021E01Q01M	<0.01	<0.10	<3.0	--	<0.10	<0.10	<0.01	<0.01	<0.01
019S020E33A01M	<0.01	<0.10	<3.0	--	<0.10	<0.10	<0.01	<0.01	<0.01

TABLE 3.--Continued

WELL NO.	STATION NO.	DATE	DI-CHLORO-BROMO-METHANE, TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE, TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE, TOTAL (UG/L)	BROMO-FORM, TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE, TOTAL (UG/L)	CHLORO-FORM, TOTAL (UG/L)
019S020E26N01M	361437119464001	08-20-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
019S019E21C01M	361558119545501	08-19-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
019S022E07M01M	361716119380701	08-13-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
018S021E32R01M	361853119422301	08-19-86	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
018S017E27F01M	362009120064201	03-27-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
018S017E27F02M	362019120064201	03-27-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
018S019E02R01M	362317119522201	05-15-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
017S018E35R02M	362403119583501	05-16-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
017S017E16Q01M	362630120073901	05-16-85	--	--	--	--	--	--
017S018E02A02M	362907119584901	05-16-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
015S015E09R01M	363801120195901	03-26-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
015S016E05J01M	363907120144401	03-25-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
015S016E05J01M	363907120144401	05-14-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
013S015E34J07M	364523120185901	03-26-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
013S015E18Q02M	364747120223402	05-13-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
013S014E03B01M	365000120253801	05-15-85	--	--	--	--	--	--
012S011E14C01M	365327120441301	05-14-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
012S014E07E01M	365423120291401	05-15-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
010S013E29P01M	370145120341701	04-30-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
010S012E22J01M	370248120380701	04-29-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
010S010E22H04M	370259120511201	04-30-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
010S010E23A02M	370322120501901	04-11-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
010S009E14H02M	370355120564901	04-10-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
010S013E01J02M	370515120293001	05-14-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
009S011E34N02M	370557120453901	04-10-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
009S010E35Q02M	370600120503501	04-09-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
009S009E33C01M	370644120591601	03-28-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
009S010E32B01M	370650120534101	04-09-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
009S009E14N02M	370843120572301	03-28-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
009S011E07N04M	370936120484701	04-10-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
009S012E05D01M	371109120411401	04-10-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
008S009E34Q01M	371125120575701	03-27-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
008S009E17B01M	371433120595601	03-27-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
008S008E01H01M	371613121015201	03-27-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
007S008E27Q01M	371723121042901	05-13-85	--	--	--	--	--	--
007S010E20F01M	371833120534701	05-13-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
007S008E13N03M	371912121025001	03-26-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
007S009E18D01M	371953121013701	03-26-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
007S010E11Q01M	372004120501301	05-14-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
006S009E09A02M	372603120584701	05-21-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
006S008E03R02M	372608121041201	05-16-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
006S008E04P01M	372608121054401	05-16-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
006S007E01R01M	372610121083101	05-16-85	--	--	--	--	--	--
006S009E04M01M	372619120593001	05-15-85	--	--	--	--	--	--
005S008E32K03M	372722121063301	04-30-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
005S007E27B01M	372843121110401	05-16-85	--	--	--	--	--	--
005S008E22C01M	372927121044401	04-30-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
005S007E01M02M	373137121092701	05-01-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
004S008E07P01M	373548121075701	07-02-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
003S005E20A02M	373957121260101	03-28-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
002S006E20L02M	374445121200001	05-21-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
002S005E21D01M	374509121260001	03-27-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
002S005E13P01M	374528121221801	03-28-85	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

TABLE 3.--Continued

WELL NO.	TOLUENE, TOTAL (UG/L)	BENZENE, TOTAL (UG/L)	CHLORO-BENZENE, TOTAL (UG/L)	CHLORO-ETHANE, TOTAL (UG/L)	ETHYL-BENZENE, TOTAL (UG/L)	METHYL-BROMIDE, TOTAL (UG/L)	METHYL-CHLO-RIDE, TOTAL (UG/L)	METHYL-ENE CHLO-RIDE, TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE, TOTAL (UG/L)
019S020E26N01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
019S019E21C01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
019S022E07M01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
018S021E32R01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
018S017E27F01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
018S017E27F02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
018S019E02R01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
017S018E35R02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
017S017E16Q01M	--	--	--	--	--	--	--	--	--
017S018E02A02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
015S015E09R01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
015S016E05J01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
015S016E05J01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
013S015E34J07M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
013S015E18Q02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
013S014E03B01M	--	--	--	--	--	--	--	--	--
012S011E14C01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
012S014E07E01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
010S013E29P01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
010S012E22J01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
010S010E22H04M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
010S010E23A02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
010S009E14H02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
010S013E01J02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
009S011E34N02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
009S010E35Q02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
009S009E33C01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
009S010E32B01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
009S009E14N02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
009S011E07N04M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
009S012E05D01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
008S009E34Q01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
008S009E17B01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
008S008E01H01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
007S008E27Q01M	--	--	--	--	--	--	--	--	--
007S010E20F01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
007S008E13N03M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
007S009E18D01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
007S010E11Q01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
006S009E09A02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
006S008E03R02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
006S008E04P01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
006S007E01R01M	--	--	--	--	--	--	--	--	--
006S009E04M01M	--	--	--	--	--	--	--	--	--
005S008E32K03M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
005S007E27B01M	--	--	--	--	--	--	--	--	--
005S008E22C01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
005S007E01M02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
004S008E07P01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
003S005E20A02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
002S006E20L02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
002S005E21D01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
002S005E13P01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0

TABLE 3.--Continued

WELL NO.	TRI-CHLORO-FLUORO-METHANE, TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE, TOTAL (UG/L)	1,1-DI-CHLORO-ETHYL-ENE, TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE, TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE, TOTAL (UG/L)	1,1,2,2 TETRA-CHLORO-ETHANE, TOTAL (UG/L)	1,2-DI-CHLORO-BENZENE, TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE, TOTAL (UG/L)	1,2-TRANSDI CHLORO-ETHYL-ENE, TOTAL (UG/L)
019S020E26N01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
019S019E21C01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
019S022E07M01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
018S021E32R01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
018S017E27F01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
018S017E27F02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
018S019E02R01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
017S018E35R02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
017S017E16Q01M	--	--	--	--	--	--	--	--	--
017S018E02A02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
015S015E09R01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
015S016E05J01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
015S016E05J01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
013S015E34J07M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
013S015E18Q02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
013S014E03B01M	--	--	--	--	--	--	--	--	--
012S011E14C01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
012S014E07E01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
010S013E29P01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
010S012E22J01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
010S010E22H04M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
010S010E23A02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
010S009E14H02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
010S013E01J02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
009S011E34N02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
009S010E35Q02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
009S009E33C01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
009S010E32B01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
009S009E14N02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
009S011E07N04M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
009S012E05DD1M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
008S009E34Q01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
008S009E17B01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
008S008E01H01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
007S008E27Q01M	--	--	--	--	--	--	--	--	--
007S010E20F01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
007S008E13N03M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
007S009E18D01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
007S010E11Q01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
006S009E09A02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
006S008E03R02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
006S008E04P01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
006S007E01R01M	--	--	--	--	--	--	--	--	--
006S009E04M01M	--	--	--	--	--	--	--	--	--
005S008E32K03M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
005S007E27B01M	--	--	--	--	--	--	--	--	--
005S008E22C01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
005S007E01M02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
004S008E07P01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
003S005E20A02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
002S006E20L02M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
002S005E21D01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
002S005E13P01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0

TABLE 3.--Continued

WELL NO.	1,3-DI-CHLORO-PROPANE, TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE, TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE, TOTAL (UG/L)	2-CHLORO-ETHYL-VINYL-ETHER, TOTAL (UG/L)	DI-CHLORO-DI-FLUORO-METHANE, TOTAL (UG/L)	TRANS-1,3-DI-CHLORO-PROPENE, TOTAL (UG/L)	CIS 1,3-DI-CHLORO-PROPENE, TOTAL (UG/L)	PRO-PAZINE, TOTAL (UG/L)	SIME-TRYNE, TOTAL (UG/L)
019S020E26N01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<0.10	<0.1
019S019E21C01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<0.10	<0.1
019S022E07M01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<0.10	<0.1
018S021E32R01M	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<0.10	<0.1
018S017E27F01M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
018S017E27F02M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
018S019E02R01M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
017S018E35R02M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
017S017E16Q01M	--	--	--	--	--	--	--	<0.10	<0.1
017S018E02A02M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
015S015E09R01M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
015S016E05J01M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
015S016E05J01M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
013S015E34J07M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
013S015E18Q02M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
013S014E03B01M	--	--	--	--	--	--	--	<0.10	<0.1
012S011E14C01M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
012S014E07E01M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
010S013E29P01M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
010S012E22J01M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
010S010E22H04M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
010S010E23A02M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
010S009E14H02M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
010S013E01J02M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
009S011E34N02M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
009S010E35Q02M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
009S009E33C01M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
009S010E32B01M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
009S009E14N02M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
009S011E07N04M	--	--	--	--	<3.0	--	--	<0.10	<0.1
009S012E05D01M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
008S009E34Q01M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
008S009E17B01M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
008S008E01H01M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
007S008E27Q01M	--	--	--	--	--	--	--	<0.10	<0.1
007S010E20F01M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
007S008E13N03M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
007S009E18D01M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
007S010E11Q01M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
006S009E09A02M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
006S008E03R02M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
006S008E04P01M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
006S007E01R01M	--	--	--	--	--	--	--	<0.10	<0.1
006S009E04M01M	--	--	--	--	--	--	--	--	--
005S008E32K03M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
005S007E27B01M	--	--	--	--	--	--	--	<0.10	<0.1
005S008E22C01M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
005S007E01M02M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
004S008E07P01M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
003S005E20A02M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
002S006E20L02M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
002S005E21D01M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1
002S005E13P01M	<3.0	--	--	<3.0	<3.0	--	--	<0.10	<0.1

TABLE 3.--Continued

WELL NO.	SIMAZINE, TOTAL (UG/L)	PROMETONE, TOTAL (UG/L)	PROMETRYNE, TOTAL (UG/L)	1,2-DIBROMOETHYLENE, TOTAL (UG/L)	VINYL CHLORIDE, TOTAL (UG/L)	TRICHLOROETHYLENE, TOTAL (UG/L)	MALATHION, DISSOLVED (UG/L)	PARATHION, DISSOLVED (UG/L)	DIAZINON, DISSOLVED (UG/L)
019S020E26N01M	<0.10	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01
019S019E21C01M	<0.10	<0.1	<0.1	<3.0	<3.0	<3.0	--	--	--
019S022E07M01M	<0.10	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01
018S021E32R01M	<0.10	<0.1	<0.1	<3.0	<3.0	<3.0	<0.01	<0.01	<0.01
018S017E27F01M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
018S017E27F02M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
018S019E02R01M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
017S018E35R02M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
017S017E16Q01M	<0.10	<0.1	<0.1	--	--	--	<0.01	<0.01	<0.01
017S018E02A02M	0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
015S015E09R01M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	0.01
015S016E05J01M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
015S016E05J01M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
013S015E34J07M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
013S015E18Q02M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
013S014E03B01M	<0.10	<0.1	<0.1	--	--	--	<0.01	<0.01	<0.01
012S011E14C01M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
012S014E07E01M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
010S013E29P01M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
010S012E22J01M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
010S010E22H04M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
010S010E23A02M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
010S009E14H02M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
010S013E01J02M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
009S011E34N02M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
009S010E35Q02M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
009S009E33C01M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
009S010E32B01M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
009S009E14N02M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
009S011E07N04M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
009S012E05D01M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
008S009E34Q01M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
008S009E17B01M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
008S008E01H01M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
007S008E27Q01M	<0.10	<0.1	<0.1	--	--	--	<0.01	<0.01	<0.01
007S010E20F01M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
007S008E13N03M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
007S009E18D01M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
007S010E11Q01M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
006S009E09A02M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
006S008E03R02M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
006S008E04P01M	0.20	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
006S007E01R01M	0.10	<0.1	<0.1	--	--	--	<0.01	<0.01	<0.01
006S009E04M01M	--	--	--	--	--	--	0.01	--	0.01
005S008E32K03M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
005S007E27B01M	<0.10	<0.1	<0.1	--	--	--	<0.01	<0.01	<0.01
005S008E22C01M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
005S007E01M02M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
004S008E07P01M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
003S005E20A02M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
002S006E20L02M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
002S005E21D01M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01
002S005E13P01M	<0.10	<0.1	<0.1	--	<3.0	<3.0	<0.01	<0.01	<0.01

TABLE 3.--Continued

WELL NO.	METHYL PARATHION, DISSOLVED (UG/L)	ATRAZINE, TOTAL (UG/L)	STYRENE, TOTAL (UG/L)	XYLENE, WATER, WHOLE TOT REC (UG/L)	CYANAZINE, TOTAL (UG/L)	AMETRYNE, TOTAL (UG/L)	TRITHION, DISSOLVED (UG/L)	METHYL-TRITHION, DISSOLVED (UG/L)	ETHION, DISSOLVED (UG/L)
019S020E26N01M	<0.01	<0.10	<3.0	<3.0	<0.10	<0.10	<0.01	<0.01	<0.01
019S019E21C01M	--	<0.10	<3.0	--	<0.10	<0.10	--	--	--
019S022E07M01M	<0.01	<0.10	<3.0	--	<0.10	<0.10	<0.01	<0.01	<0.01
018S021E32R01M	<0.01	<0.10	<3.0	<3.0	<0.10	<0.10	<0.01	<0.01	<0.01
018S017E27F01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
018S017E27F02M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
018S019E02R01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
017S018E35R02M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
017S017E16Q01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
017S018E02A02M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
015S015E09R01M	<0.01	0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
015S016E05J01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
015S016E05J01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
013S015E34J07M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
013S015E18Q02M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
013S014E03B01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
012S011E14C01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
012S014E07E01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
010S013E29P01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
010S012E22J01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
010S010E22H04M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
010S010E23A02M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
010S009E14H02M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
010S013E01J02M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
009S011E34N02M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
009S010E35Q02M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
009S009E33C01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
009S010E32B01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
009S009E14N02M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
009S011E07N04M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
009S012E05D01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
008S009E34Q01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
008S009E17B01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
008S008E01H01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
007S008E27Q01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
007S010E20F01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
007S008E13N03M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
007S009E18D01M	<0.01	0.20	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
007S010E11Q01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
006S009E09A02M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
006S008E03R02M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
006S008E04P01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
006S007E01R01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
006S009E04M01M	0.01	0.10	--	--	0.10	0.10	--	--	0.01
005S008E32K03M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
005S007E27B01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
005S008E22C01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
005S007E01M02M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
004S008E07P01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
003S005E20A02M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
002S006E20L02M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
002S005E21D01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01
002S005E13P01M	<0.01	<0.10	--	--	<0.10	<0.10	<0.01	<0.01	<0.01

BLE 3.--Continued

WELL NO.	STATION NO.	DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE SEA LEVEL	STABLE ISOTOPES H-2 / H-1 STABLE ISOTOPE RATIO PER MIL	STABLE ISOTOPES O-18 / O-16 STABLE ISOTOPE RATIO PER MIL
011N022W23C01S	350159119114801	07-14-86	1820	2000	830	-69.0	-9.1
011N018W06M01S	350401118503501	07-28-86	1530	1005	622	-61.5	-9.1
012N019W32P02S	350429118554701	08-05-86	1200	1200	535	-61.5	-8.9
012N023W31A01S	350528119221101	07-15-86	1135	760	560	-75.0	-9.8
012N020W26A01S	350533118584201	08-05-86	0945	520	425	-65.5	-8.7
032S027E36Q01M	350539119014201	07-18-86	0930	410	345	-65.5	-8.8
032S024E35N01M	350539119221501	07-15-86	0955	784	550	-74.5	-9.6
032S029E20G01M	350745118525301	07-16-86	1030	505	429	-67.5	-9.2
032S029E16R04M	350817118514201	07-21-86	1030	996	472	-92.0	-12.6
031S029E29P01M	351152118532601	07-30-86	0730	390	377	-71.5	-9.7
031S029E26L01M	351157118500801	07-21-86	1330	810	424	-63.5	-9.0
031S030E30M01M	351206118481801	07-30-86	1030	475	437	-69.5	-9.8
031S024E22L02M	351257119230401	07-29-86	0945	500	370	-71.5	-9.0
031S025E15H01M	351353119161501	07-29-86	1430	300	299	-77.0	-10.8
031S025E16B01M	351408119173101	07-29-86	1600	600	291	-83.0	-11.0
031S028E18D01M	351412119011301	07-20-86	0945	300	330	-91.0	-12.1
031S030E16C01M	351413118453801	07-21-86	1730	701	569	-65.5	-8.7
031S027E16D01M	351415119052201	07-29-86	0930	300	329	-96.0	-12.8
031S025E10H01M	351453119162601	07-29-86	1145	171	297	-71.5	-10.1
031S027E01E03M	351537119020501	07-29-86	1430	300	344	-96.0	-12.6
031S026E01H01M	351540119074101	07-29-86	1145	300	331	-102.0	-13.8
031S026E04B01M	351559119111501	08-07-86	0930	380	321	-98.0	-13.3
030S030E32J01M	351629118461201	07-19-86	1530	555	660	-68.5	-9.1
030S028E29P01M	351655118594301	07-19-86	1220	200	354	-92.5	-12.7
030S025E21P04M	351749119175301	07-30-86	0915	790	305	-95.5	-13.0
030S026E21P01M	351751119112001	07-15-86	1715	240	330	-102.0	-13.8
030S026E24H04M	351820119073901	07-19-86	0915	500	352	-103.0	-13.9
030S027E24C01M	351836119015801	07-23-86	0910	300	372	-95.0	-12.8
030S029E18D02M	351929118543501	07-20-86	1530	562	434	-71.0	-9.8
030S028E09Q02M	351934118582301	07-24-86	1000	500	375	-103.0	-13.9
030S030E06J01M	352045118473601	07-22-86	1300	1915	978	-69.5	-9.2
030S024E06A02M	352113119260101	07-22-86	1410	400	280	-81.0	-9.4
030S024E06A01M	352115119260001	07-17-86	0940	400	280	-80.5	-9.5
029S024E25P01M	352211119205901	07-18-86	1000	648	295	-102.0	-13.8
029S024E30F03M	352240119262201	07-18-86	1400	362	277	-78.0	-8.6
029S027E27B01M	352258119034901	07-23-86	1600	350	397	-95.0	-12.7
029S026E23J01M	352327119084601	07-21-86	1150	384	361	-99.0	-13.3
029S023E21H02M	352332119300301	07-22-86	1600	363	266	-92.0	-12.0
029S025E17R01M	352356119182101	07-19-86	1105	290	312	-100.0	-13.5
029S027E15N01M	352403119042301	07-16-86	1745	300	402	-88.5	-11.8
029S025E03L04M	352554119164601	07-21-86	1440	409	327	-103.0	-14.0
029S026E02C01M	352631119091801	07-20-86	1450	350	365	-94.5	-12.4
028S025E34R01M	352633119154101	07-30-86	1300	346	328	-104.0	-13.9
028S023E25R01M	352727119262001	07-20-86	1010	510	266	-71.0	-9.5
028S027E28A01M	352805119035801	07-23-86	1230	870	633	-69.5	-9.7
028S025E10Q01M	353000119161401	07-23-86	1600	712	347	-97.0	-13.1
028S023E08H01M	353035119305101	07-19-86	1550	510	290	-71.0	-9.5
028S027E07C01M	353044119065301	07-23-86	0830	1023	555	-82.0	-11.3
028S024E10A01M	353045119220201	07-17-86	1645	320	309	-67.0	-9.5
028S027E06G01M	353119119062501	07-22-86	1605	702	590	-73.5	-10.2
027S027E33E01M	353223119043401	08-06-86	1330	891	700	-68.5	-8.8
027S027E14D01M	353512119024001	08-14-86	0945	976	805	-66.5	-9.3
027S026E07H01M	353544119121601	08-05-86	1530	400	425	-90.0	-12.2
027S024E09A02M	353555119230301	08-07-86	1600	818	294	-66.5	-9.5
027S023E01H01M	353633119261401	08-21-86	0915	510	--	-65.5	-9.1
026S025E27C01M	353843119160201	07-31-86	1245	300	357	-87.5	-11.9
026S026E18H02M	354004119121501	08-13-86	0835	401	384	-65.5	-8.5
026S027E09G02M	354101119040501	08-06-86	1130	1204	715	-72.0	-9.3
026S025E12D01M	354107119141101	07-30-86	1600	1380	341	-67.5	-9.6
025S023E30R01M	354303119313101	08-10-86	0920	400	220	-72.0	-10.2

TABLE 3.--Continued

WELL NO.	STATION NO.	DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE SEA LEVEL	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL
025S026E30M02M	354318119131801	08-11-86	1410	351	323	-68.5	-8.7
025S020E27B03M	354350119475901	07-31-86	1525	271	308	-65.0	-8.4
025S023E21J01M	354423119292501	08-04-86	1615	850	196	-78.5	-11.0
025S026E20F01M	354435119114401	08-12-86	1635	1000	365	-65.5	-8.6
025S025E02R02M	354643119142601	07-28-86	1430	1002	318	-66.5	-9.0
024S023E36H02M	354752119254101	08-09-86	1045	600	215	-78.5	-10.9
024S024E28Q01M	354818119225801	08-12-86	0920	1300	225	-76.0	-10.4
024S025E22P01M	354910119153601	08-05-86	1300	1000	297	-67.5	-9.2
024S025E19F01M	354947119184201	08-07-86	0910	310	255	-65.0	-9.3
024S026E19D01M	354952119124301	08-05-86	1040	800	343	-64.5	-9.1
024S027E22C01M	355001119023901	08-07-86	1640	1000	585	-68.0	-8.7
023S023E36E01M	355313119264501	08-12-86	1130	1500	205	-77.5	-10.6
023S027E27N01M	355339119025201	08-08-86	0940	1341	536	-68.5	-8.9
023S027E29J01M	355352119041601	08-07-86	1230	1249	508	-58.5	-6.8
023S027E27B01M	355412119023501	08-06-86	1300	706	547	-60.5	-7.1
023S018E30A02M	355422120032701	08-13-86	1430	242	560	-62.0	-7.8
023S026E07J02M	355632119114901	08-06-86	0920	708	330	-78.0	-10.9
023S026E03H02M	355736119083401	08-05-86	1640	190	375	-81.5	-11.5
022S017E36R01M	355753120044201	08-26-86	1145	813	665	-56.0	-6.9
022S017E26A01M	355924120054401	08-12-86	1545	495	790	-64.5	-8.3
022S019E29D01M	355934119565401	08-09-86	1100	300	262	-65.5	-9.1
022S019E19C01M	360026119573501	08-09-86	1500	700	247	-66.0	-9.1
022S026E18A01M	360117119114801	08-13-86	1250	510	333	-81.0	-11.4
022S024E02A01M	360302119202101	08-07-86	0930	310	260	-79.0	-11.1
021S023E31R01M	360303119310301	08-27-86	0930	165	207	-77.5	-10.3
021S024E31P02M	360305119251101	08-26-86	1630	288	230	-78.5	-10.5
021S026E34H03M	360332119084601	08-27-86	1445	400	370	-82.0	-11.9
021S025E31G02M	360341119182901	08-27-86	1110	480	272	-80.5	-11.3
021S025E26H01M	360432119140701	08-14-86	0945	280	305	-79.5	-11.0
021S027E15P01M	360547119024401	08-27-86	1625	129	425	-75.0	-10.5
021S017E14H01M	360606120053501	08-08-86	1620	770	400	-60.0	-8.1
021S017E12E02M	360659120053101	07-01-85	1400	1288	368	--	--
021S017E12E02M	360659120053101	08-08-86	1430	1288	368	-52.0	-7.3
021S025E10D03M	360712119154901	08-14-86	1030	304	293	-79.5	-11.1
021S022E02F01M	360758119334401	08-08-86	0910	170	210	-84.0	-11.3
020S018E33E03M	360852120014601	05-15-85	0840	500	305	--	--
020S016E30L01M	360921120163501	08-13-86	1715	1533	610	-55.5	-7.1
020S015E26L02M	360926120183901	08-13-86	1500	1888	625	-53.5	-6.9
020S018E24R01M	361001119573401	03-25-86	1030	30	253	-69.5	-9.3
020S020E10L01M	361212119472101	08-20-86	1415	552	207	-70.5	-9.7
020S021E09C01M	361235119421101	08-12-86	0930	528	213	-85.5	-11.7
020S021E01Q01M	361243119382301	08-12-86	1500	228	218	-91.5	-12.4
019S020E33A01M	361424119475301	08-13-86	1710	525	213	-81.5	-11.3
019S019E30N01M	361428119573101	03-20-86	1545	20	253	-68.0	-8.7
019S020E26N01M	361437119464001	08-20-86	0830	200	218	-95.5	-13.0
019S019E21C01M	361558119545501	08-19-86	0900	1018	231	-69.5	-9.7
019S019E07N01M	361704119573101	03-25-86	1315	20	243	-70.5	-9.2
019S022E07M01M	361716119380701	08-13-86	1030	300	238	-92.0	-12.5
019S018E10D01M	361756120004101	03-20-86	1145	20	265	-64.5	-8.3
019S018E02N01M	361757119594101	03-20-86	1345	20	259	-66.5	-9.0
018S021E32R01M	361853119422301	08-19-86	1330	203	238	-100.0	-13.8
018S019E31G01M	361924119564801	07-02-85	0850	1014	232	--	--
018S017E25A01M	362026120040001	03-20-86	0830	30	265	-63.5	-8.0
018S016E22N03M	362031120134201	03-25-86	1600	26	303	-70.0	-8.9
018S016E20R02M	362031120144801	03-18-86	1730	30	328	-57.5	-6.3
018S017E24N04M	362034120050201	03-11-86	1530	30	268	-72.5	-9.7
018S017E21N01M	362034120081401	03-12-86	1045	30	290	-77.0	-10.5
018S016E23A03M	362120120114001	03-12-86	1330	20	284	-59.0	-7.6
018S017E20D01M	362124120092201	03-12-86	1630	30	290	-65.5	-8.8
017S016E29N02M	362452120155101	03-21-86	0845	30	298	-66.0	-8.1

ABLE 3.--Continued

WELL NO.	STATION NO.	DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE SEA LEVEL	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL
017S016E20N01M	362545120155301	03-26-86	0915	50	288	-64.0	-7.9
017S016E04N03M	362822120144801	03-18-86	1200	20	256	-64.0	-8.4
017S016E04D01M	362913120144801	03-18-86	1430	20	246	-64.0	-8.0
016S015E21N01M	363058120210501	03-19-86	1030	30	307	-71.5	-9.3
016S015E20E02M	363127120221101	03-19-86	0830	30	327	-65.5	-7.5
016S015E14D01M	363240120185501	03-18-86	0900	31	241	-53.5	-7.6
016S015E07N02M	363243120231901	03-17-86	1400	20	304	-64.5	-8.1
015S014E32D01M	363520120284201	03-19-86	1445	20	312	-66.5	-8.3
015S014E29D01M	363612120284201	03-19-86	1645	20	304	-69.5	-9.0
015S015E15D01M	363754120200001	04-03-86	1200	20	167	-53.0	-5.6
015S015E17A03M	363754120210701	04-03-86	1030	20	174	-52.5	-4.7
015S014E14D02M	363755120252501	04-02-86	1615	29	222	-70.0	-9.2
015S014E17A01M	363756120273701	04-03-86	1530	20	255	-73.5	-9.4
015S014E17D01M	363756120284001	03-21-86	1130	30	276	-75.0	-9.8
015S014E12R01M	363757120231701	04-03-86	0845	20	195	-57.5	-6.3
015S015E08D01M	363847120221101	04-02-86	0915	19	182	-52.5	-4.3
015S014E11D03M	363847120252401	04-02-86	1430	20	221	-60.5	-6.6
015S014E01R01M	363849120231701	04-02-86	1215	11	192	-66.5	-8.1
015S014E01N03M	363849120242001	04-01-86	1245	30	205	-66.0	-8.3
015S014E04R01M	363849120263201	03-31-86	1615	20	240	-65.0	-8.1
015S014E04N01M	363849120273501	03-28-86	0930	29	255	-72.5	-9.7
015S014E06R01M	363850120284201	03-27-86	1400	30	274	-69.0	-8.8
015S015E04A01M	363939120200201	04-01-86	1730	28	164	-59.0	-7.1
015S015E06D03M	363939120231401	04-01-86	1430	--	191	-66.5	-8.4
015S014E01D02M	363940120241901	04-01-86	1100	20	206	-74.5	-9.6
015S014E03A01M	363940120252601	04-01-86	0845	20	222	-66.5	-8.4
015S014E05D01M	363940120283901	03-27-86	1530	20	273	-74.0	-9.6
015S014E06D03M	363940120294401	03-26-86	1130	30	293	-73.5	-9.7
014S015E33R04M	363942120200701	04-03-86	1700	30	164	-60.5	-7.4
014S014E07N02M	364311120294201	03-26-86	1330	30	261	-72.0	-9.4
013S013E23N02M	364641120315001	03-26-86	1540	28	233	-69.5	-9.0
013S013E16N02M	364734120335901	03-27-86	0930	29	234	-75.5	-10.0
013S013E07R01M	364826120350401	03-27-86	1115	32	226	-71.5	-9.3