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Department of Water Resources

BULLETIN No. 130-70

HYDROLOGIC DATA: 1970

Volume II: NORTHEASTERN CALIFORNIA

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April 1972

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Secretary for Resources
The Resources Agency

RONALD REAGAN
Governor
State of California

WILLIAM R. GIANELLI
Director
Department of Water Resources

BULLETIN No. 130
HYDROLOGIC DATA
AREAL COVERAGE OF VOLUMES
Each Volume Contains
Appendix A: Climatological Data
Appendix B: Surface Water Measurements
Appendix C: Ground Water Measurements
Appendix D: Surface Water Quality
Appendix E: Ground Water Quality
This Volume
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AREA
VOLUME II
NORTHEASTERN
CALIFORNIA
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CENTRAL
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SAN JOAQUIN
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VOLUME V
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FOREWORD

The hydrologic data programs of the Department of Water Resources supplement the data collection activities of other agencies and help satisfy the needs of these agencies for data on the quality and quantity of water in the State. Bulletin No. 130-70 presents accurate, comprehensive, and timely hydrologic data which provide a more complete knowledge of the factors affecting our environment and are prerequisites for effective planning, design, construction, and operation of water facilities.

The Bulletin No. 130 series is published annually in five volumes. Each volume presents hydrologic data for one of five reporting areas of the State. These areas are delineated on the map on the opposite page.

William R. Gianelli

William R. Gianelli, Director
Department of Water Resources
The Resources Agency
State of California
January 19, 1972

METRIC CONVERSION TABLE

ENGLISH UNIT	EQUIVALENT METRIC UNIT
1 Inch (in)	2.54 Centimeters
1 Foot (ft)	0.3048 Meters
1 Mile (mi)	1.609 Kilometers
1 Acre	0.405 Hectares
1 Square mile (sq.mi.)	2.590 Square kilometers
1 U. S. gallon (gal)	3.785 Liters
1 Acre-foot (ac.ft.)	1,233.5 Cubic meters
1 U. S. gallon per minute (gpm)	0.0631 Liters per second
1 Cubic foot per second (cfs)	1.7 Cubic meters per minute
1 Part per million (ppm)	1 Milligram per liter (mg/l)
1 Part per billion (ppb)	1 Microgram per liter (ug/l)
1 Part per trillion (ppt)	1 Nanogram per liter (ng/l)
1 Equivalent per million (epm)	1 Milliequivalent per liter (me/l)
Degrees Fahrenheit (°F)	5/9 (°F-32) Degrees Celsius (°C)

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Lake County
National Weather Service
Pacific Gas and Electric Company

Placer County
Sacramento County
Sacramento Municipal Utility District
San Joaquin County
Solano County

South San Joaquin Irrigation District
South Sutter Water District
Stockton and East San Joaquin Water Conservation District
Sutter County
Tehama County

U. S. Army Corps of Engineers
U. S. Bureau of Reclamation
U. S. Geological Survey
Yolo County
Yuba County

State of California
The Resources Agency
DEPARTMENT OF WATER RESOURCES

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ABSTRACT

Report contains tables showing data on climate, surface water flow, ground water levels, and surface and ground water quality in Northeastern California for the 1969-70 water year. Figures show the location of climatological observation stations and ground water basins; the fluctuation of average ground water level; fluctuation of water level in wells; the location of surface water measurement and surface water quality stations; lines of maximum annual salinity encroachment; and major drainage and hydrographic unit boundaries.

Appendix A

CLIMATOLOGICAL DATA

INTRODUCTION

This appendix summarizes monthly precipitation, temperature, wind movement and evaporation data for Northeastern California from July 1, 1969, to September 30, 1970. Twenty-two cooperating agencies and 245 local observers supplied the data. Detailed daily and hourly data not published here are available in the files of the Department of Water Resources.

To insure accuracy, stations are inspected regularly to see that the equipment is properly maintained and that observations generally are taken in accordance with U. S. Weather Bureau standards.

Each station in this appendix has been assigned an identification number. The letter and first digit denote the drainage basin as shown below. The remaining digits denote the sequence of the station in alphabetical order.

<u>Sacramento River Basin</u>

A0 Sacramento Valley Floor
A1 Pit River
A2 Shasta Lake
A3 Sacramento Valley West Side
A4 Sacramento Valley Northeast
A5 Feather River
A6 Yuba-Bear Rivers
A7 American River
A8 Cache Creek
A9 Putah Creek

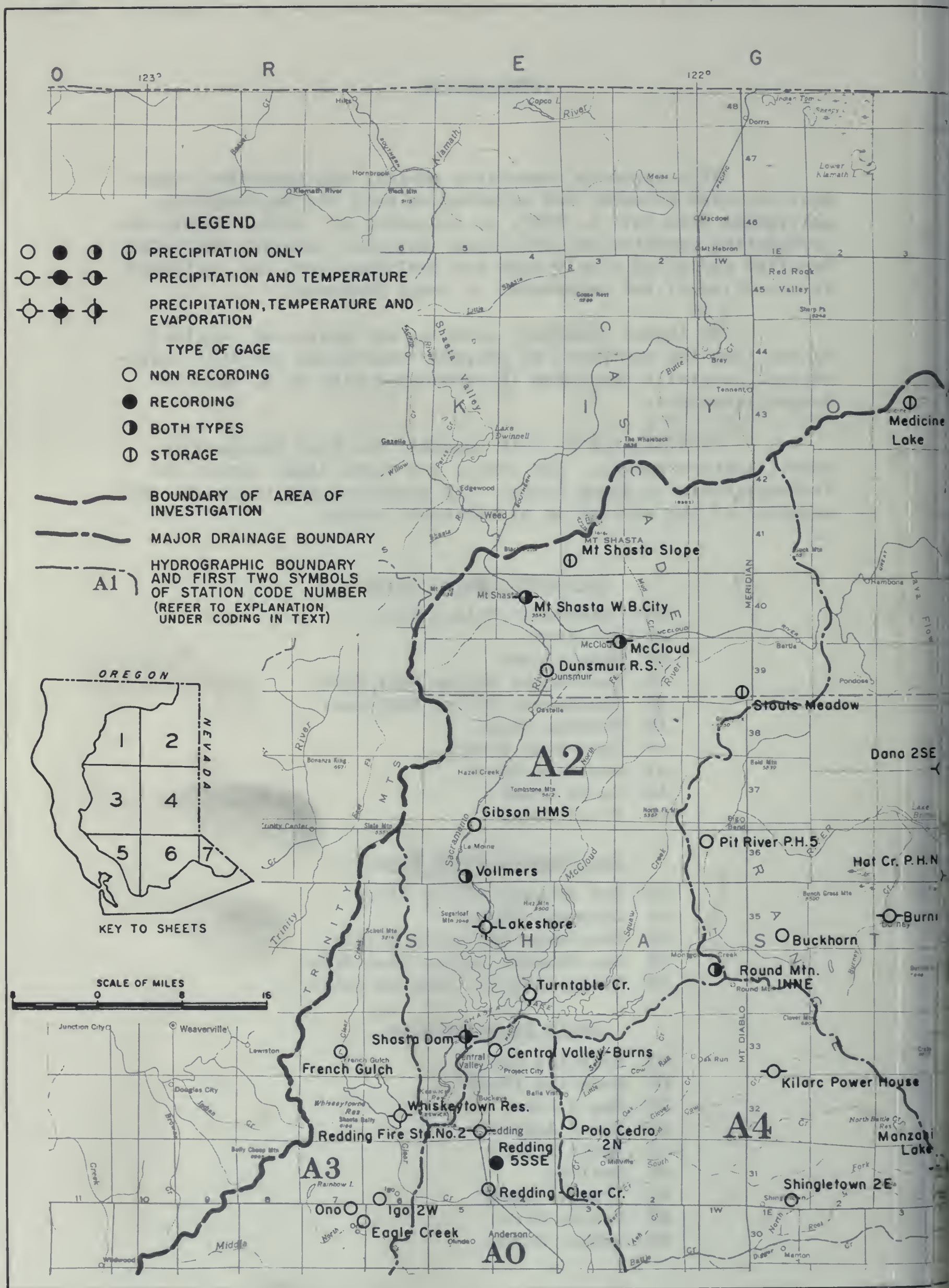
<u>San Joaquin River Basin</u>

B0 San Joaquin Valley Floor
B1 Cosumnes River
B2 Mokelumne-Calaveras Rivers
B8 San Joaquin Valley West Side
B9 Sacramento-San Joaquin Delta

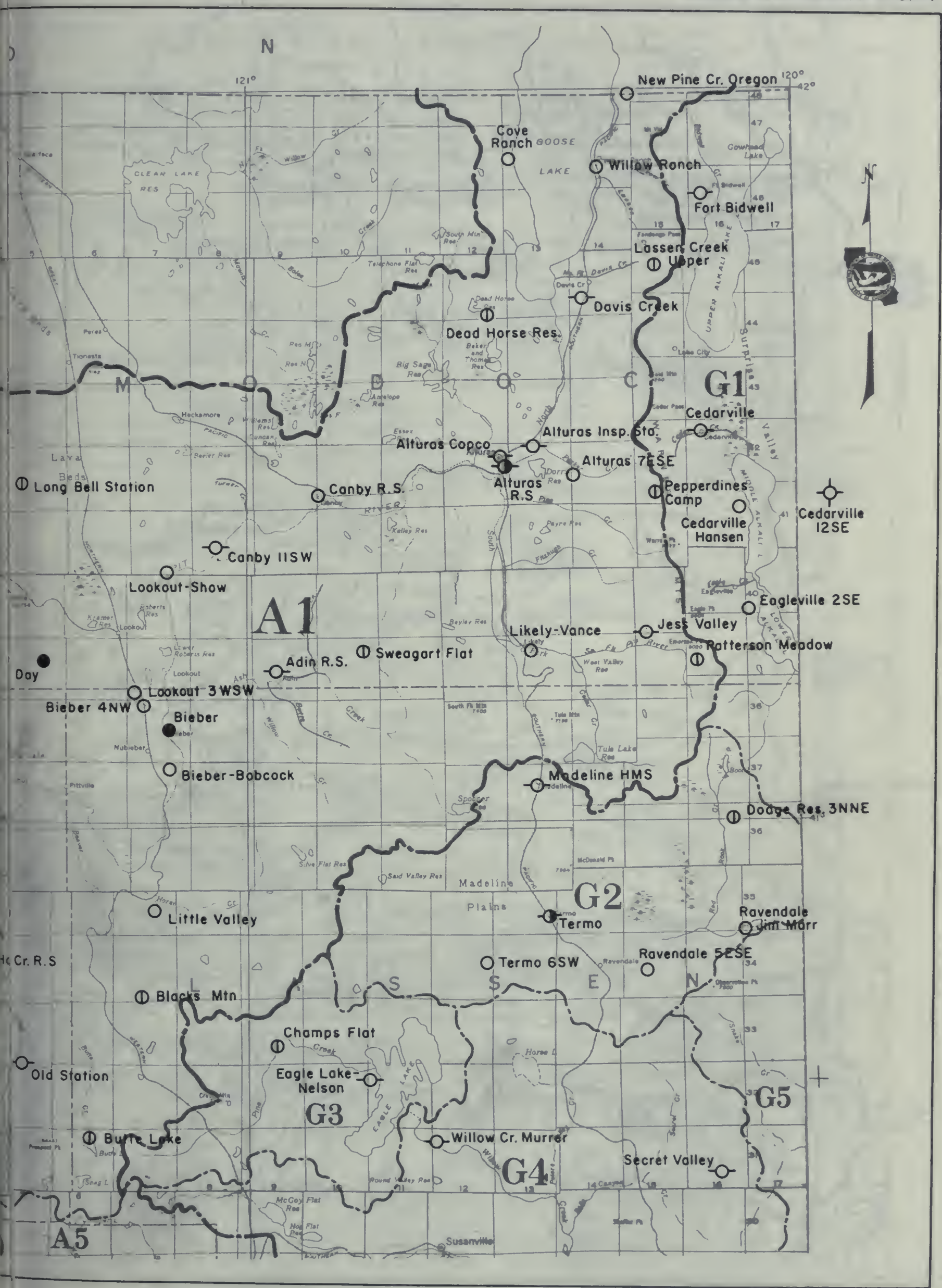
<u>North Lahontan Area</u>

G1 Surprise Valley
G2 Madeline Plains
G3 Eagle Lake
G4 Susan River
G5 Smoke River
G6 Herlong
G7 Truckee River
G8 Carson River
G9 Walker River

FIGURE A-1 SHEET 1 OF 7



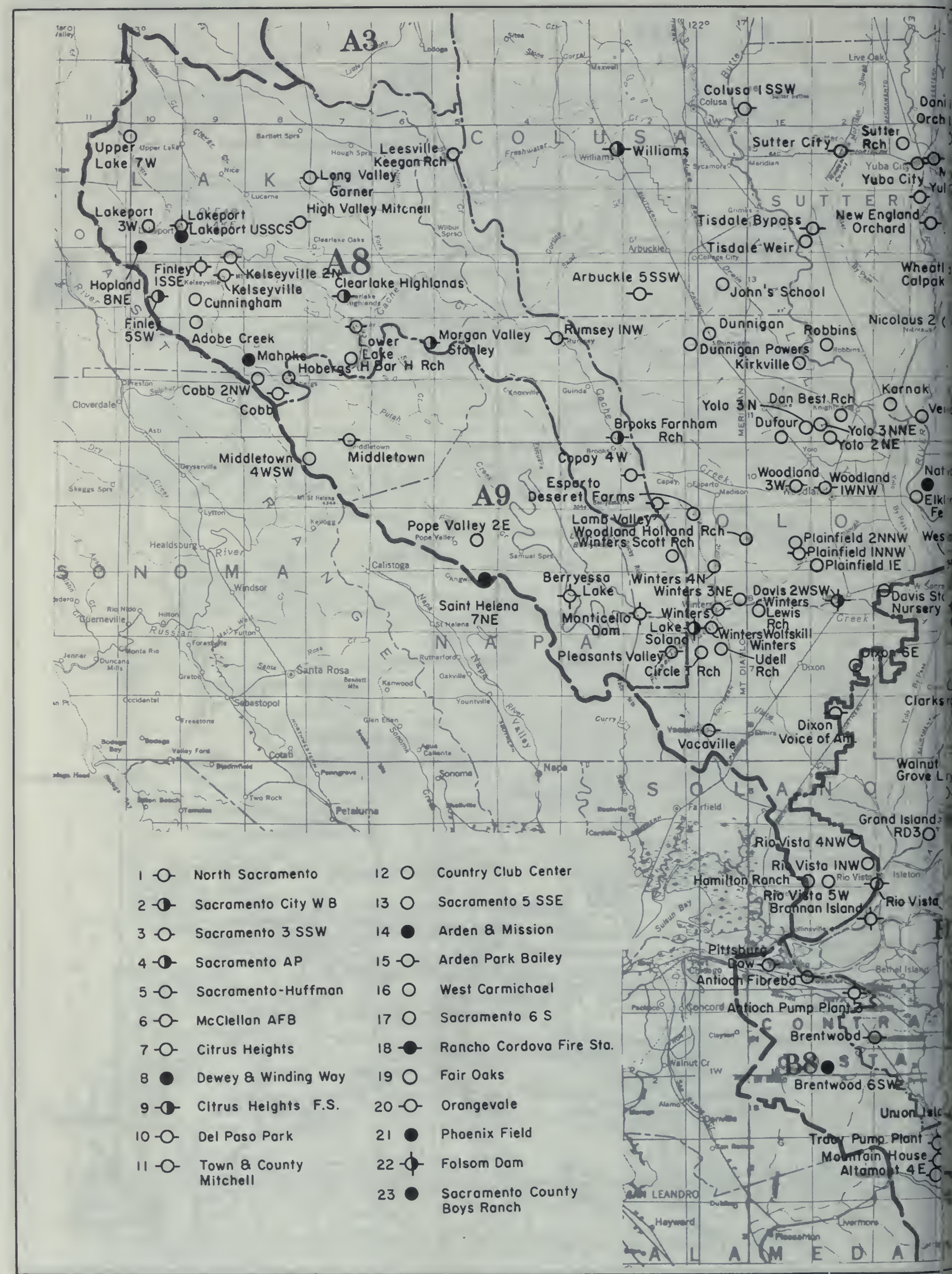
CLIMATOLOGICAL OBSERVATION STATIONS 1968-69



CLIMATOLOGICAL OBSERVATION STATIONS 1969-70

CLIMATOLOGICAL OBSERVATION STATIONS 1969-70

CLIMATOLOGICAL OBSERVATION STATIONS 1969-70



CLIMATOLOGICAL OBSERVATION STATIONS 1969-70

CLIMATOLOGICAL OBSERVATION STATIONS 1969-70

CLIMATOLOGICAL OBSERVATION STATIONS 1969-70

TABLE A-1

INDEX OF CLIMATOLOGICAL STATIONS
NORTHEASTERN CALIFORNIA

An explanation of the column headings and the code symbols used in connection with the climatological station listing follows:

<u>40-Acre Tract</u> - This denotes the location of the station within the section in which it is located. The letter code is derived from the diagram to the right.

D	B	C	A
E	F	G	H
M	L	K	J
N	P	Q	R

<u>Base and Meridian</u> - The code for this column is as follows:

M - Mount Diablo Base and Meridian

<u>Cooperator Number</u> - This number is assigned from the following list:

000 Private Cooperators
003 Pacific Gas and Electric Company
412 East Bay Municipal Utility District
419 Tehama County Flood Control and Water Conservation District
422 Sacramento County
440 Sacramento Municipal Utility District
801 Pomology Department, University of California, Davis
802 Irrigation Department, University of California, Davis
804 California Department of Parks and Recreation
805 California Department of Fish and Game
806 California Department of Water Resources
808 California Division of Forestry
809 California Division of Highways
814 California Department of Water Resources, Snow Surveys
900 U. S. Weather Bureau
902 U. S. Air Force
903 U. S. Corps of Engineers
904 U. S. Bureau of Reclamation
905 U. S. Forest Service
906 U. S. Agricultural Research Service
907 State Climatologist (unpublished U. S. Weather Bureau)
911 Military Weather Stations in California

<u>Cooperator's Index Number</u> - This is the number assigned to the station by the agency responsible for or handling the records of the station. The U. S. Weather Bureau number is only shown in this column when it differs from the alpha order number.

<u>County</u> - This is a standard code for California counties and adjacent areas as shown below:

Alameda	60	Lassen	18	Sierra	46
Alpine	02	Modoc	25	Siskiyou	47
Amador	03	Mono	26	Solano	48
Butte	04	Napa	28	Stanislaus	50
Calaveras	05	Nevada	29	Sutter	51
Colusa	06	Placer	31	Tehama	52
Contra Costa	07	Plumas	32	Yolo	57
El Dorado	09	Sacramento	34	Yuba	58
Glenn	11	San Joaquin	39	State of Oregon	61
Lake	17	Shasta	45	State of Nevada	62

TABLE A-1 (Cont.)

INDEX OF CLIMATOLOGICAL STATIONS

NORTHEASTERN CALIFORNIA

Station Number	Station Name	Elevation (in Feet)	Section	Township	Range	40-Acre Tract	Base & Meridian	Latitude ° ' "	Longitude ° ' "	Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
A1 0029	ADIN RANGER STATION	4193	SEC 28	T39N	R09E	D	M	41 12 00	120 57 00	900		1894			25
A8 0034	ADOBE CREEK	1530	SEC 05	T12N	R09W	A	M	38 55 29	122 52 42	000		1946			17
A3 0093	ALDER SPRINGS	4440	SEC 24	T21N	R08W	G	M	39 39 39	122 42 26	903		1966			11
B8 0146-03	ALTAMONT 4 E	300	SEC 24	T02S	R03E	J	M	37 44 37	121 35 16	000		1964			60
B2 0149	ALTAVILLE C D F	1545	SEC 29	T03N	R13E	H	M	38 05 01	120 33 37	808		1960			05
A1 0156	ALTURAS COPCO	4400	SEC 12	T42N	R12E	B	M	41 30 00	120 31 54	000		1948		02	25
A1 0158	ALTURAS INSPECTION STATION	4410	SEC 33	T43N	R13E	G	M	41 31 30	120 28 24	000		1957			25
A1 0159	ALTURAS 7 ESE	4900	SEC 18	T42N	R14E	N	M	41 30 00	120 24 00	000		1960			25
A1 0161	ALTURAS RANGER STATION	4365	SEC 13	T42N	R12E		M	41 29 00	120 32 00	900		1904		12	25
B9 0227	ANTIOCH FIBREBOARD MILL	28	SEC 17	T02N	R02E	R	M	38 00 47	121 46 13	900		1879			07
B8 0232	ANTIOCH PUMPING PLANT 3	60	SEC 26	T02N	R02E	N	M	37 59 02	121 43 39	900		1948			07
A7 0241	APPLEGATE	2200	SEC 10	T13N	R09E	E	M	38 59 36	120 58 09	000		1906			31
A0 0248-02	ARBUCKLE 5 SSW	360	SEC 29	T13N	R02W	A	M	38 57 00	122 06 00	000		1940	1970		06
A0 0255	ARDEN AND MISSION	87	SEC 31	T09N	R06E	A	M	38 35 42	121 21 12	422		1959			34
A0 0256	ARDEN PARK BAILEY	65	SEC 36	T09N	R05E	Q	M	38 34 54	121 22 48	000		1950			34
A7 0383	AUBURN	1292	SEC 10	T12N	R08E	Q	M	38 53 57	121 04 07	900		1870			31
A3 0468	BALL MOUNTAIN LOOKOUT	6500	SEC 17	T24N	R08W		M	39 56 00	122 47 00	900		1948			52
A6 0481	BANGOR FIRE STATION	750	SEC 28	T18N	R05E	H	M	39 23 25	121 24 28	000		1961			04
A6 0568	BEAR RIVER HEAD DAM	1950	SEC 22	T15N	R09E	Q	M	39 08 01	120 57 11	003		1959			31
A0 0584	BEALE AIR FORCE BASE	113	SEC 20	T15N	R05E		M	39 07 50	121 25 38	902	PN0560	1959			58
B0 0639	BELLOTA ANDERSON	108	SEC 12	T02N	R08E	D	M	38 02 40	121 03 30	000		1959			39
A9 0705	BERRYESSA LAKE	460	SEC 07	T08N	R03W	J	M	38 33 06	122 13 33	900		1957	1970		28
A1 0731	BIEBER	4130	SEC 23	T38N	R07E	E	M	41 07 18	121 08 25	900		1940			18
A1 0731-05	BIEBER BABCOCK RANCH	4100	SEC 02	T37N	R07E	D	M	41 04 45	121 08 22	000		1957			18
A1 0731-08	BIEBER 4 NW	4190	SEC 05	T38N	R07E	K	M	41 09 40	121 11 20	000		1957			18
A6 0747	BIG BEND RANGER STATION	5739	SEC 28	T17N	R13E	K	M	39 18 24	120 31 00	900	PN1768	1943			31
A3 0840-11	BLACK BUTTE DAM	425	SEC 32	T23N	R04W	H	M	39 48 30	122 19 45	903		1961			52
A0 0841	BLACK BUTTE RANCH	375	SEC 03	T22N	R04W	M	M	39 47 18	122 18 12	000		1953			11
A1 0867	BLACKS MOUNTAIN	7200	SEC 33	T34N	R07E		M	40 46 00	121 12 00	900		1941		05	18
A7 0883	BLODGETT EXPERIMENTAL FOREST	4414	SEC 08	T12N	R12E	D	M	38 54 35	120 40 00	000		1961			09
A7 0897	BLUE CANYON W B AIRPORT	5280	SEC 02	T16N	R11E	P	M	39 16 42	120 42 28	900		1940			31
G7 0931	BOCA	5575	SEC 28	T18N	R17E	D	M	39 23 17	120 05 34	900		1870		18	29
G9 0943	BODIE	8370	SEC 17	T04N	R27E	A	M	38 12 45	119 00 45	900		1895		50	26
A5 1002	BOULDER CREEK GUARD STATION	5020	SEC 15	T27N	R12E	G	M	40 11 52	120 36 45	905		1964			32
A6 1018	BOWMAN DAM	5347	SEC 08	T18N	R12E	D	M	39 26 42	120 39 22	900		1871			29
B9 1043	BRANNAN ISLAND	35	SEC 13	T03N	R02E	A	M	38 06 32	121 41 48	900		1962			34
B9 1059	BRENTWOOD	85	SEC 24	T01N	R02E	R	M	37 55 12	121 41 48	000	041059	1879		12	07
B8 1060	BRENTWOOD 6 SW	325	SEC 32	T01N	R02E	Q	M	37 53 00	121 46 28	900		1950			07
G9 1072	BRIDGEPORT	6470	SEC 33	T05N	R25E	D	M	38 15 20	119 13 38	900		1903			26
G9 1076	BRIDGEPORT RANGER STATION	6560	SEC 23	T05N	R24E	J	M	38 16 37	119 17 18	900		1950			26
G7 1096	BROCKWAY SUMMIT	7200	SEC 03	T16N	R17E	K	M	39 16	120 04	903		1961			29
A8 1112	BROOKS FARNHAM RANCH	294	SEC 35	T11N	R03W	A	M	38 45 53	122 09 18	900		1946			57
A0 1117-58	BROWNS VALLEY 2 NE	435	SEC 11	T16N	R05E	G	M	39 15 38	121 22 34	000		1963		03	58
A5 1130	BRUSH CREEK RANGER STATION	3560	SEC 07	T21N	R06E	H	M	39 41 29	121 20 17	900		1935			04
A7 1133	BRUSHY SPRINGS GUARD STATION	4880	SEC 06	T13N	R13E	M	M	39 00 20	120 34 40	000		1951			31
A1 1149	BUCKHORN	3771	SEC 27	T35N	R01E		M	40 52	121 51	900		1948		03	45
A5 1159	BUCKS CREEK POWERHOUSE	1760	SEC 29	T24N	R06E	B	M	39 54 40	121 19 36	900	PN1153	1928		02	32
A5 1161	BUCKS LAKE	5200	SEC 33	T24N	R07E	F	M	39 53 40	121 12 12	900		1915			32
B0 1171	BUENA VISTA	285	SEC 18	T05N	R10E	A	M	38 17 34	120 54 46	412		1958			03
A1 1214	BURNEY	3127	SEC 20	T35N	R10E	D	M	40 53 00	121 40 00	900		1943			45
A1 1238	BUTTE LAKE	6060	SEC 10	T31N	R06E	F	M	40 33 48	121 18 06	900	041237	1960			18
B2 1277	CALAVERAS BIG TREES	4696	SEC 22	T05N	R15E	C	M	38 16 40	120 18 31	900		1929			05
B0 1325-05	CAMANCHE NORTH STATION	300	SEC 06	T04N	R09E	H	M	38 13 45	121 01 05	412		1965			39
B0 1325-06	CAMANCHE SOUTH STATION	330	SEC 15	T04N	R09E	C	M	38 12 13	120 58 20	412		1965			05
A5 1348	CAMEL PEAK	5560	SEC 32	T22N	R08E	H	M	39 43 26	121 05 58	000		1967			32
B2 1428	CAMP PARDEE	658	SEC 35	T05N	R10E	C	M	38 15 00	120 50 38	900		1926			05
A6 1433	CAMP PIONEER SKI SHELTER	5565	SEC 01	T20N	R12E		M	39 38 00	120 34 00	900		1941	1970		46
A6 1462	CAMPTONVILLE RANGER STATION	2755	SEC 02	T18N	R08E	Q	M	39 27 05	121 02 55	900		1907			58
A1 1475	CANBY 11 SW	4505	SEC 21	T41N	R08E	Q	M	41 22 18	121 03 00	900		1958			25
A1 1476	CANBY RANGER STATION	4312	SEC 30	T42N	R10E	N	M	41 27 00	120 52 00	900		1943			25
A5 1497	CANYON DAM	4555	SEC 28	T27N	R08E	G	M	40 10 19	121 05 13	900		1907			32
A8 1500	CAPAY 4 W	300	SEC 20	T10N	R02W	E	M	38 42 18	122 07 00	000		1889	1970		57
A5 1522	CARIBOU POWERHOUSE	2986	SEC 25	T26N	R07E	C	M	40 05 10	121 08 52	900		1921			32
G8 1556-26	CARSON CITY NEVADA	4675	SEC 17	T15N	R02E		M	39 10 00	119 46 00	900	261485	1875		17	62
B8 1583	CASTLE ROCK RADIATION LAB	625	SEC 34	T03S	R04E		M	37 37 54	121 32 00	900		1956			39
G1 1614	CEDARVILLE	4670	SEC 08	T42N	R16E		M	41 31 42	120 10 24	900		1894			25
G1 1614-05	CEDARVILLE HANSEN	4450	SEC 12	T41N	R16E	C	M	41 26 22	120 05 50	000		1957			25
G1 1614-26	CEDARVILLE 12 SE	4800	SEC 04	T41N	R18E	C	M	41 26 48	119 59 18	000		1960	1970		62
B1 1616	CEDARVILLE TREE FARM	2625	SEC 03	T08N	R12E	N	M	38 34 08	120 38 46	000		1960	1970		09
A4 1624	CENTERVILLE POWERHOUSE	522	SEC 05	T22N	R03E		M	39 47 00	121 40 00	900		1914			04

TABLE A-1 (Cont.)

INDEX OF CLIMATOLOGICAL STATIONS

NORTHEASTERN CALIFORNIA

Station Number	Station Name	Elevation (in Feet)	Section	Township	Range	40-Acre Tract	Base & Meridian	Latitude ° ' "	Longitude ° ' "	Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
A0 1634-01	CENTRAL VALLEY BURNS	765	SEC 31	T33N	R04W	G	M	40 40 36	122 21 54	000		1957			45
B0 1635-01	CENTRAL VALLEY HATCHERY	38	SEC 36	T07N	R05E	A	M	38 25 00	121 22 00	805		1956			34
G3 1644	CHAMPS FLAT	5590	SEC 27	T33N	R09E	M	M	40 41 42	120 57 30	000		1959			18
A6 1653	CHALLENGE RANGER STATION	2560	SEC 19	T19N	R07E	Q	M	39 29 02	121 13 23	900		1937			58
A5 1693	CHEROKEE	1355	SEC 33	T21N	R04E	H	M	39 38 07	121 31 35	000		1963			04
A5 1700	CHESTER	4525	SEC 08	T28N	R07E	D	M	40 18 21	121 13 38	900		1909			32
A0 1715	CHICO EXPERIMENTAL STATION	205	SEC 05	T21N	R02E		M	39 42 00	121 47 00	900		1870			04
A0 1716-01	CHICO AIRPORT	220	SEC 34	T23N	R01E	P	M	39 47 54	121 51 12	000		1959			04
A0 1767	CIRCLE T RANCH	205	SEC 08	T07N	R01W	L	M	38 27 54	121 59 48	000		1949			48
A0 1773	CITRUS HEIGHTS	138	SEC 23	T10N	R06E	L	M	38 42 28	121 17 48	900		1952			34
A0 1773-34	CITRUS HEIGHTS FIRE STATION	160	SEC 35	T10N	R06E	H	M	38 40 45	121 17 00	000		1963			34
A0 1782	CLARKS VALLEY MUDD	410	SEC 35	T20N	R05W	E	M	39 32 54	122 23 54	000		1957			11
A5 1783	CLARKS PEAK 1 NE	5910	SEC 10	T27N	R13E	H	M	40 12 50	120 29 34	000		1958			32
B9 1784	CLARKSBURG	14	SEC 34	T07N	R04E	F	M	38 25 00	121 32 00	900		1936			57
B0 1785	CLAY 1 NW	95	SEC 23	T06N	R07E	Q	M	38 21 12	121 10 24	412		1931		02	34
A8 1806	CLEARLAKE HIGHLANDS	1320	SEC 20	T13N	R07W		M	38 58 00	122 39 00	900		1954			17
B0 1813	CLEMENTS	120	SEC 16	T04N	R08E	G	M	38 12 15	121 05 55	412		1926			39
A6 1827	CLIPPER GAP	1675	SEC 19	T13N	R09E	C	M	38 58 09	121 01 10	000		1963			31
A5 1845-32	CLOVER VALLEY	5500	SEC 07	T24N	R14E	R	M	39 56 40	120 27 00	000		1965			32
A8 1880	COBB	2520	SEC 10	T11N	R08W	A	M	38 49 30	122 43 18	000		1923			17
A8 1882	COBB 2 NW	2600	SEC 05	T11N	R08W		M	38 50	122 46	907		1961			17
A4 1891	COHASSET 1 NNE	3180	SEC 14	T24N	R02E	B	M	39 56 42	121 43 12	900		1962			04
A0 1907	COLEMAN FISH HATCHERY	420	SEC 01	T29N	R03W		M	40 24	122 08	900		1943			45
A7 1912	COLFAX	2418	SEC 03	T14N	R09E	A	M	39 05 56	120 57 08	900		1870			31
A7 1912-01	COLFAX FIRE STATION	2350	SEC 02	T14N	R09E	M	M	39 05 25	120 56 48	808		1960			31
A6 1916	COLGATE POWERHOUSE	585	SEC 16	T17N	R07E	J	M	39 19 51	121 11 17	900		1907			58
A7 1922	COLOMA	770	SEC 17	T11N	R10E		M	38 48 04	120 53 30	804		1961			09
A0 1948	COLUSA 1 SSW	60	SEC 30	T16N	R01W		M	39 12 00	122 01 00	900		1948			06
V0 1980	CONWAY SUMMIT	8150	SEC 26	T03N	R25E	J	M	38 05 14	119 10 48	809		1965			26
A7 1985	COOL	1525	SEC 18	T12N	R09E		M	38 53	121 01	900		1959			09
A0 1989-05	COON CREEK EXPERIMENT PLOT	500	SEC 17	T13N	R07E	F	M	38 58 48	121 13 16	802		1958			31
A0 2023-03	CORNING UHL	270	SEC 27	T24N	R03W		M	39 54 01	122 11 42	000		1958			52
A0 2027	CORNING HOUGHTON RANCH	487	SEC 25	T24N	R05W		M	39 54 00	122 22 00	900		1948			52
A0 2070	COTTONWOOD 7 W	475	SEC 10	T29N	R05W	R	M	40 22 36	122 24 30	000		1956			45
A0 2073-34	COUNTRY CLUB CENTRE	56	SEC 25	T09N	R05E	D	M	38 36 28	121 23 19	000		1961			34
A1 2085	COVE RANCH	4900	SEC 18	T47N	R13E	C	M	41 55 18	120 31 12	000		1963			25
A8 2224	CUNNINGHAM	1421	SEC 29	T13N	R09W		M	38 57 00	122 53 27	900		1954			17
B1 2252	D'AGOSTINI WINERY	1820	SEC 21	T08N	R11E	L	M	38 31 50	120 46 26	000		1962			03
A4 2266	DALES	600	SEC 03	T28N	R02W	A	M	40 18 48	122 09 12	000		1951		01	52
A1 2269	DANA 2 SE	3320	SEC 31	T38N	R04E	Q	M	41 05 42	121 31	900		1957			45
A0 2274	DAN BEST RANCH	45	SEC 21	T11N	R02E	P	M	38 46 48	121 45 35	000		1941			57
A0 2276	DANTONI ORCHARD	85	SEC 10	T15N	R04E	G	M	39 09 56	121 30 46	000		1958			58
A4 2283	DARRAH FISH HATCHERY	975	SEC 29	T30N	R01W	B	M	40 25 54	121 59 42	805		1956			45
A0 2294	DAVIS 2 WSW	60	SEC 17	T08N	R02E	Q	M	38 32 06	121 46 30	900		1871			57
A0 2294-02	DAVIS STATE NURSERY	29	SEC 07	T08N	R03E	G	M	38 33 17	121 40 48	808		1931		05	57
A1 2296	DAVIS CREEK	4750	SEC 20	T45N	R14E	G	M	41 43 48	120 22 30	900		1957			25
A1 2306	DAY	3650	SEC 15	T39N	R05E	R	M	41 12 54	121 23 18	900		1940			25
A1 2320	DEAD HORSE RESERVOIR 2 SE	5075	SEC 35	T45N	R12E	L	M	41 42 00	120 33 00	000		1959			25
A6 2334	DEER CREEK POWERHOUSE	3700	SEC 35	T17N	R10E		M	39 18 00	120 51 00	900		1907	1969		29
A4 2335	DEER CREEK FLAT	1910	SEC 14	T25N	R01E	J	M	40 01 16	121 49 34	419	PN2335	1960			52
A6 2338	DEER CREEK FOREBAY	4455	SEC 35	T17N	R10E	L	M	19 17 38	120 49 30	900		1969			29
A0 2367	DEL PASO PARK	90	SEC 07	T09N	R06E	J	M	38 40 00	122 24 00	000		1954			34
A4 2402	DE SABLA	2700	SEC 11	T23N	R03E		M	39 52 00	121 37 00	900		1904			04
A0 2414	DEWEY AND WINDING WAY	160	SEC 10	T09N	R06E	G	M	38 38 57	121 18 24	422		1959			34
A4 2416	DEWITT PEAK 2 WSW	1480	SEC 33	T27N	R01W	R	M	40 08 43	121 58 23	419		1960			52
B1 2435-50	DIAMOND SPRINGS	1805	SEC 30	T10N	R11E	M	M	38 41 20	120 48 43	000	PN2431	1959			09
A0 2451-02	DIXON 6 E	32	SEC 14	T07N	R02E	L	M	38 27 00	121 43	000		1949			48
B9 2451-10	DIXON VOICE OF AMERICA	28	SEC 09	T06N	R02E	C	M	38 23 04	121 45 27	000		1962			48
G7 2453	D. L. BLISS STATE PARK	6775	SEC 16	T13N	R17E	B	M	38 58 43	120 06 05	804		1962			09
A6 2456	DOBBINS 1 S	1640		T17N	R07E		M	39 22 00	121 12 00	900		1970			58
A6 2457	DOBBINS F F S	1820	SEC 32	T18N	R07E	D	M	39 22 54	121 13 12	808		1957			58
A6 2458	DOBBINS COLGATE	1550	SEC 09	T17N	R07E	Q	M	39 20 24	121 11 38	900		1904	1970		58
G2 2460	DODGE RESERVOIR 3 NNE	6400	SEC 11	T36N	R16E	C	M	41 00 30	120 07 30	000		1959			18
G7 2467	DONNER MEMORIAL STATE PARK	5937	SEC 17	T17N	R16E	E	M	39 19 23	120 13 54	900		1953			29
B2 2493	DOUBLE SPRINGS RANCH	860	SEC 09	T04N	R11E	M	M	38 12 48	120 46 25	000		1957			05
A6 2500	DOWNIEVILLE RANGER STATION	2895	SEC 35	T20N	R10E	E	M	39 33 31	120 49 48	900		1908			46
G6 2504	DOYLE	4240	SEC 08	T25N	R17E	P	M	40 01 42	120 06 12	900		1923			18
G6 2506	DOYLE 5 SSE	4385	SEC 04	T24N	R17E		M	39 57 00	120 05 00	900		1956			18
A6 2513	DRUM FOREBAY	4640	SEC 16	T16N	R11E	M	M	39 14 56	120 45 10	003		1915	1969		29
A6 2514-31	DRUM POWERHOUSE	3412	SEC 17	T16N	R11E		M			003		1970			31

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INDEX OF CLIMATOLOGICAL STATIONS

NORTHEASTERN CALIFORNIA

Station Number	Station Name	Elevation (in Feet)	Section	Township	Range	40-Acre Tract	Base & Meridian	Latitude ° ' "	Longitude ° ' "	Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
B1 2518	DRYTOWN VAIRA RANCH	740	SEC 22	T07N	R10E	K	M	38 26 46	120 51 33	000		1954			03
A0 2543	DUFOUR	65	SEC 34	T11N	R01E	A	M	38 45 48	121 50 24	000		1936			57
A0 2568	DUNNIGAN	65	SEC 15	T12N	R01W	M	M	38 53 08	121 57 55	900		1877		20	57
A0 2569	DUNNIGAN POWERS RANCH	104	SEC 17	T12N	R01W	J	M	38 53 15	121 59 20	000		1930			57
A2 2572	DUNSMUIR RANGER STATION	2420	SEC 13	T39N	R04W		M	41 13 00	122 16 00	900		1889			47
A0 2576-01	DURHAM FIRE STATION	155	SEC 30	T21N	R02E	M	M	39 38 36	121 47 54			1963			04
A3 2590	EAGLE CREEK	950	SEC 12	T30N	R07W	D	M	40 28 24	122 36 36	000		1963			45
G3 2595-02	EAGLE LAKE NELSON	5121	SEC 07	T32N	R11E	G	M	40 39 05	120 46 20	000		1960			18
G1 2599-06	EAGLEVILLE 2 SE	4450	SEC 31	T40N	R17E	K	M	41 17 18	120 05 12	000		1963			25
A3 2640	EAST PARK RESERVOIR	1205	SEC 03	T17N	R06W		M	39 22 00	122 31 00	900		1910			06
A7 2720	EL DORADO F F S	1550	SEC 34	T10N	R10E	E	M	38 40 46	120 52 08	808		1955			09
B2 2728	ELECTRA POWERHOUSE	715	SEC 33	T06N	R12E	E	M	38 19 52	120 40 10	900		1904			03
A0 2744	ELKHORN FERRY	40	SEC 34	T10N	R03E	D	M	38 40 35	121 37 48	000		1959			57
B0 2760	ELLIOTT	92	SEC 34	T05N	R07E	Q	M	38 14 11	121 11 38	900		1926			39
A5 2838-04	ENTERPRISE OWID	920	SEC 01	T19N	R05E	M	M	39 31 53	121 22 04	000		1965			04
B0 2860	ESCALON SWANSON	125	SEC 03	T02S	R09E	L	M	37 47 20	121 58 15	000		1944			39
A0 2881-08	ESPARTO DESERET FARMS	250	SEC 07	T09N	R01W	F	M	38 38 43	122 01 20	000		1951			57
A0 2948	FAIR OAKS	180	SEC 13	T09N	R06E	C	M	38 38 32	121 16 14	000		1954			34
A1 2964	FALL RIVER MILLS INTAKE	3340	SEC 25	T37N	R04E	N	M	41 01 00	121 28 00	900		1923			45
A5 2994	FEATHER FALLS	2965	SEC 13	T20N	R06E	E	M	39 35 36	121 15 31	900		1938			04
B1 3038	FIDDLETOWN LYNCH RANCH	2140	SEC 19	T08N	R12E	P	M	38 31 33	120 42 01	900		1937			03
A8 3056	FINLEY 1 SSE	1377	SEC 08	T13N	R09W	R	M	38 58 58	122 52 30	000		1957			17
A8 3057	FINLEY 5 SW	1750	SEC 23	T13N	R10W	M	M	38 57 33	122 56 48	000		1957	1970		17
G4 3087	FLEMING FISH AND GAME	4000	SEC 21	T29N	R15E	N	M	40 21 10	120 18 12	900		1958			18
A3 3092	FLOOD RANCH	595	SEC 02	T22N	R06W	R	M	39 47 18	122 30 00	000		1940			11
A3 3098	FLOURNOY 8 NW	965	SEC 04	T24N	R06W	C	M	39 58 12	122 33 00	000		1953	1970		52
A7 3113	FOLSOM DAM	350	SEC 24	T10N	R07E	F	M	38 42 25	121 09 40	900		1955			34
A5 3127	FORBESTOWN	2900	SEC 03	T19N	R06E	Q	M	39 31 43	121 16 52	000		1919			04
A5 3128-04	FOREMAN CREEK	935	SEC 18	T20N	R05E	R	M	39 35 13	121 26 52	000		1965			04
A7 3134	FORESTHILL RANGER STATION	3190	SEC 35	T14N	R10E	C	M	39 01 14	120 49 27	900		1937			31
A4 3135-25	FOREST RANCH	2520	SEC 05	T23N	R03E		M	39 53 06	121 39 48	000		1955			04
A7 3153	FORNI RIDGE	7600	SEC 16	T11N	R16E		M	38 48	120 13	814		1966			09
G1 3157	FORT BIDWELL	4498	SEC 17	T46N	R16E		M	41 51 00	120 08 00	900		1866		21	25
A3 3210-03	FOUTS SPRINGS BOYS RANCH	1700	SEC 05	T17N	R07W	K	M	39 21 06	122 39 54	000		1963			06
A6 3240	FRENCH CORRAL	1522	SEC 26	T17N	R07E	F	M	39 18 25	121 09 42	000		1961			29
A3 3242	FRENCH GULCH	1100	SEC 22	T33N	R07W		M	40 42 00	122 38 00	900		1952			45
A7 3252-09	FRESH POND	3760	SEC 33	T11N	R13E	C	M	38 45 42	120 32 07	440		1962		01	09
A0 3266-11	FRUITRIDGE AND HEDGE	50	SEC 30	T08N	R06E	C	M	38 31 22	121 21 43	422		1959			34
A0 3267-02	FRUTO 2	610	SEC 17	T20N	R05W	L	M	39 35 18	122 27 06	000		1960			11
B0 3301	GALT	47	SEC 27	T05N	R06E	J	M	38 15 13	121 18 11	000		1877			34
A7 3338	GARDEN VALLEY 2 S	1940	SEC 03	T11N	R10E	G	M	38 50 02	120 50 40	900		1946			09
A7 3384	GEORGETOWN RANGER STATION	3001	SEC 06	T12N	R11E	B	M	38 55 29	120 47 18	900		1946			09
A7 3388	GERLE CREEK CAMP	5400	SEC 11	T13N	R14E	L	M	38 59 06	120 22 45	000		1945			09
A2 3405	GIBSON HWY MAINT STATION	1435	SEC 02	T36N	R05W	K	M	41 00 36	122 24 24	809		1959			45
G7 3439-26	GLENBROOK NEVADA	6400	SEC 10	T14N	R18E		M	39 05 00	119 56 00	900	263205	1944			62
A0 3460	GLENN COLUSA HEADGATE	160	SEC 02	T22N	R02W	H	M	39 47 18	122 03 00	000		1955			11
A7 3491	GOLD RUN	3240	SEC 04	T15N	R10E		M	39 10 00	120 52 00	900		1899			31
B9 3541	GRAND ISLAND R D 3	0	SEC 14	T04N	R03E	E	M	38 11 37	121 36 55	000		1938			34
A5 3549-32	GRANITE SPRING	5765	SEC 13	T26N	R14E	J	M	40 06 23	120 20 34	000		1965			32
A6 3573	GRASS VALLEY NO. 2	2400	SEC 34	T16N	R08E	F	M	39 12 31	121 04 05	900		1966			29
A5 3621	GREENVILLE RANGER STATION	3560	SEC 02	T26N	R09E	L	M	40 08 26	120 56 25	900		1894		30	32
A0 3640	GRIDLEY BUTTE WATER DISTRICT	90	SEC 36	T18N	R02E	K	M	39 22 00	121 41 42	000		1923			04
G8 3675	GROVER HOT SPRINGS	5800	SEC 19	T10N	R20E	L	M	38 41 45	119 49 28	804		1962			02
A5 3725	HAMILTON BRANCH POWERHOUSE	4560	SEC 21	T28N	R08E	K	M	40 16 07	121 05 12	900		1953			32
A0 3729-48	HAMILTON RANCH	150	SEC 25	T04N	R01E	R	M	38 09 30	121 48 22	000		1961			48
A3 3791	HARRISON GULCH RANGER STN	2710	SEC 14	T29N	R10W		M	40 22 00	122 58 00	900		1941			45
A6 3800	H. L. ENGLEBRIGHT DAM	580	SEC 14	T16N	R06E	Q	M	39 14 23	121 15 58	900	PN9182	1951			29
A1 3821	HAT CREEK RANGER STATION	3348	SEC 15	T34N	R04E		M	40 48 00	121 30 00	900		1940			45
A1 3824	HAT CREEK POWERHOUSE NO. 1	3015	SEC 32	T36N	R04E		M	40 56 00	121 33 00	900		1921			45
A8 3872	H BAR H RANCH	1565	SEC 35	T12N	R07W	F	M	38 50 54	122 36 18	000		1949	1970		17
A7 3891	HELL HOLE	4850	SEC 16	T14N	R14E	P	M	39 03 31	120 24 52	900		1966			31
B0 3919	HERALD FIRE STATION	70	SEC 08	T05N	R07E	M	M	38 17 46	121 14 34	422		1962			34
G6 3922	HERLONG S O D	4083	SEC 31	T27N	R17E	K	M	40 09	120 06	911		1951			18
A6 3946	HIDDEN VALLEY RANCH	1480	SEC 33	T14N	R08E	B	M	39 01 30	121 05 48	900		1952			29
B2 3952	HIGHLAND LAKES	8700	SEC 32	T08N	R20E	Q	M	38 29 48	119 47 48	003954		1960			02
A8 3964	HIGH VALLEY MITCHELL	1785	SEC 23	T14N	R08W	J	M	39 02 47	122 42 28	000		1958	1970		17
A8 4010	HOBERGS	2960	SEC 35	T12N	R08W		M	38 51 00	122 43 00	900		1930			17
B2 4018	HOGAN DAM	554	SEC 36	T04N	R10E	R	M	38 09 03	120 49 10	000		1951			05
A4 4019	HOGBACK ROAD	1320	SEC 05	T27N	R01W	F	M	40 13 27	122 00 03	419		1960			52
B9 4041	HOLT 2 ESE			T01N	R05E		M	37 55 42	121 23 30	000		1959			39

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NORTHEASTERN CALIFORNIA

Station Number	Station Name	Elevation (In Feet)	Section	Township	Range	40-Acre Tract	Base & Meridian	Latitude ° ' "	Longitude ° ' "	Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
A0 4075	HONCUT	113	SEC 16	T17N	R04E	K	M	39 19 40	121 31 36	000		1963			04
A8 4097	HOPLAND 8 NE	2510	SEC 32	T14N	R10W		M	39 01 00	123 00 00	900		1939			17
A0 4166	HUNTER DISTRICT GRAVES	770	SEC 16	T27N	R06W	Q	M	40 11 12	122 33 00	900		1959			52
B0 4183	HUNT RANCH	190	SEC 31	T03N	R10E	M	M	38 04 06	120 55 25	000		1933		14	50
A3 4219	IGO 2 W	1090	SEC 32	T31N	R06W	C	M	40 30 05	122 34 12	000		1956			45
G7 4233	INDEPENDENCE CAMP	7000	SEC 34	T19N	R15E		M	39 27	120 18	900		1966	1970		46
A6 4248-50	INDIAN ROCK	2240	SEC 10	T18N	R07E	B	M	39 26 14	120 10 25	000		1954			58
B0 4283	IONE	284	SEC 25	T06N	R09E	F	M	38 20 53	120 56 19	900		1878		04	03
B0 4283-01	IONE 2 NW	263	SEC 14	T06N	R09E	N	M	38 22 08	120 57 37	000		1949			03
A7 4288	IOWA HILL	3056	SEC 03	T14N	R10E	M	M	39 05 20	120 50 23	900		1879		32	31
B2 4321	JACKSON 1 NW	1550	SEC 20	T06N	R11E	F	M	38 21 38	120 47 23	000		1951			03
A7 4345-09	JAY BIRD POWERHOUSE	3000	SEC 04	T11N	R13E	C	M	38 50 02	120 31 50	440		1962			09
A0 4346	JELLY	355	SEC 33	T29N	R03W	B	M	40 19 48	122 12 12	000		1958			52
B0 4352	JENNY LIND 3 SW	235	SEC 31	T03N	R10E	A	M	38 04 32	120 54 40	000		1960			05
A1 4374	JESS VALLEY	5290	SEC 06	T39N	R15E	C	M	41 13 30	120 19 30	900		1929			25
A0 4390	JOHNS SCHOOL	60	SEC 22	T13N	R01W	N	M	38 57 24	121 58 12	000		1949			06
A0 4440-50	KAHI RADIO STATION	1420	SEC 33	T13N	R08E	J	M	38 55 58	121 05 25	000		1962			31
A0 4449	KARNAK	23	SEC 20	T11N	R03E	H	M	38 47 12	121 39 18	000		1940			51
A8 4488	KELSEYVILLE	1385	SEC 14	T13N	R09W		M	38 58 33	122 49 53	900		1931			17
A8 4491-01	KELSEYVILLE 2 N	1345	SEC 02	T13N	R09W		M	39 00 06	122 50 06	801		1935			17
B8 4508	KERLINGER	172	SEC 16	T03S	R05E	E	M	37 40 35	121 25 59	900		1947			39
A4 4544	KILARC POWERHOUSE	2650	SEC 33	T33N	R01E	D	M	41 00 36	121 52 18	900		1933			45
A0 4574	KIRKVILLE	35	SEC 12	T12N	R01E	B	M	38 54 30	121 48 18	000		1953			51
A0 4604-31	KPOP RADIO	230	SEC 09	T10N	R07E		M	38 44	121 13	000		1968			31
A7 4616	KYBURZ STRAWBERRY	5700	SEC 18	T11N	R17E	P	M	38 47 43	120 08 44	900		1941			09
A0 4638	LA FINCA ORCHARD	70	SEC 10	T16N	R03E	R	M	39 14 58	121 36 52	000		1931			58
A8 4701	LAKEPORT	1343	SEC 24	T14N	R10W		M	39 02	122 55	900		1901			17
A8 4702	LAKEPORT 3 W	1475	SEC 22	T14N	R10W	L	M	39 02 48	122 57 48	000		1932			17
A8 4703	LAKEPORT US SCS	1356	SEC 24	T14N	R10W		M	39 02 00	122 55 00	000		1956			17
A2 4709	LAKESHORE	1075	SEC 24	T35N	R05W		M	40 53 00	122 23 00	900		1946			45
A0 4712	LAKE SOLANO	180	SEC 32	T08N	R01W	N	M	38 29 32	122 30 10	900		1960			57
A6 4713	LAKE SPAULDING	5156	SEC 21	T17N	R12E	N	M	39 19 07	120 38 14	900		1894			29
A6 4714	LAKE SPAULDING DAM	5120	SEC 21	T17N	R12E	E	M	39 19 32	120 38 28	900		1948			29
A5 4722	LAKE WILENOR	2040	SEC 15	T22N	R04E	E	M	39 45 47	121 31 18	000	044722	1931	1970		04
A0 4730	LAMB VALLEY	365	SEC 34	T10N	R02W	C	M	38 40 34	122 04 19	000		1925		07	57
A5 4773	LA PORTE	4975	SEC 16	T21N	R09E	E	M	39 40 56	120 58 58	900		1894		14	32
G4 4814-20	LASSEN CONSERVATION CENTER	4100	SEC 04	T29N	R13E	H	M	40 24 06	120 30 48			1963			18
A1 4815	LASSEN CREEK UPPER	6775	SEC 21	T45N	R15E	R	M	41 45	120 14 42	000		1958			25
A8 4880	LEESVILLE KEEGAN RANCH	1330	SEC 17	T15N	R05W	C	M	39 09 11	122 26 12	900		1950			06
B1 4886	LEHMAN RANCH	600	SEC 32	T09N	R09E	F	M	38 35 31	121 00 43	900		1951			09
A5 4932	LIGHTS CREEK	5320	SEC 02	T27N	R11E	F	M	40 13 48	120 42 30	000		1959			32
A1 4940-35	LIKELY VANCE	4400	SEC 08	T39N	R13E	K	M	41 13 12	120 30 10	000		1962			25
A0 4947	LINCOLN AUSTIN	160	SEC 15	T12N	R06E	F	M	38 53 33	121 17 41	000		1946			31
A0 4947-06	LINCOLN 4 NE	285	SEC 36	T13N	R06E	J	M	38 55 50	121 14 50	000		1962			31
B0 4953-02	LINDEN FIRE STATION	89	SEC 15	T02N	R08E	K	M	38 01 19	121 04 55	000		1948			39
B0 4960	LINN RANCH	120	SEC 04	T03N	R08E	Q	M	38 07 58	121 06 08	000		1948			39
A5 4977	LITTLE LAST CHANCE VALLEY	5730	SEC 05	T24N	R16E	M	M	39 57 40	120 13 00	000		1959			32
A1 4988	LITTLE VALLEY	4185	SEC 15	T35N	R07E	Q	M	40 53 30	121 10 30	900		1958			18
A0 4990	LIVE OAK	79	SEC 32	T17N	R03E	B	M	39 17 26	121 39 26	000		1959			51
A0 4990-02	LIVE OAK 6 SSW	70	SEC 35	T16N	R02E	C	M	39 12 07	121 43 02	000		1958			51
A0 4990-04	LIVE OAK 2 SE	75	SEC 09	T16N	R03E	L	M	39 15 13	121 38 40	000		1965			51
B0 5010	LOCKEFORD	106	SEC 30	T04N	R08E	N	M	38 09 45	121 08 55	000		1926			39
B0 5012	LOCKEFORD 5 ESE	190	SEC 02	T03N	R08E	B	M	38 08 52	121 04 01	000		1937			39
B0 5032	LODI	38	SEC 11	T03N	R06E	P	M	38 06 59	121 17 20	900		1887			39
B0 5032-07	LODI 3 W	31	SEC 04	T03N	R06E	N	M	38 07 51	121 19 43	412		1955			39
B0 5032-09	LODI THOMPSON RANCH	35	SEC 21	T04N	R06E	P	M	38 10 32	121 19 42	412		1965			39
A3 5043	LOG SPRING	5050	SEC 29	T23N	R08W	D	M	39 49 36	122 47 29	903		1964			52
B1 5044	LOGTOWN RIDGE	1720	SEC 23	T09N	R10E	L	M	38 37 02	120 50 47	900		1965			09
A0 5060-01	LOMA RICA	375	SEC 28	T17N	R05E	B	M	39 18 27	121 24 56	000		1963			58
A1 5081-01	LONG BELL STATION	4375	SEC 20	T42N	R05E	B	M	41 28 00	121 25 00	000		1958			25
A7 5087	LONG VALLEY ORCHARD	870	SEC 32	T12N	R08E	G	M	38 51	121 05	000		1955	1969		31
A8 5087-17	LONG VALLEY GARNER RANCH	1318	SEC 06	T14N	R07W	F	M	39 05 36	122 40 42	000		1956			17
A1 5093	LOOKOUT 3 WSW	4180	SEC 30	T39N	R07E		M	41 12	121 12	900		1963			25
A1 5095	LOOKOUT SHAW	4500	SEC 34	T41N	R07E	G	M	41 21 00	121 08 42	000		1959			25
A0 5096	LOOMIS	400	SEC 09	T11N	R07E	G	M	38 49 06	121 11 42	000		1959			31
A0 5097-01	LOOMIS NO. 2			T11N	R07E		M								31
A0 5097-31	LOOMIS 3 ENE	680	SEC 01	T11N	R07E	H	M	38 50 02	121 08 07	000		1964			31
A0 5132	LOS MOLINOS 3 N	245	SEC 33	T26N	R02W	F	M	40 03 48	122 06	000		1954			52
A0 5134	LOS MOLINOS 6 N	255	SEC 16	T26N	R02W		M	40 06	122 06			1966			52
A8 5161-01	LOWER LAKE	1355	SEC 02	T12N	R07W	N	M	38 54 48	122 36 29	000		1958			17

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Station Number	Station Name	Elevation (In Feet)	Section	Township	Range	40-Acre Tract	Base & Meridian	Latitude ° ' "	Longitude ° ' "	Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
G7 5163	LOWER MEADOW	5760	SEC 25	T20N	R17E	A	M	39 33 42	120 01 54	911		1957			46
A5 5171	LOYALTON	4936	SEC 13	T21N	R15E	A	M	39 40 40	120 14 36	900		1940		07	46
A5 5171-05	LOYALTON NO. 2	4940	SEC 13	T21N	R15E		M	39 40 36	120 14 50	000		1964			46
B1 5189	LUMBERYARD	6480	SEC 15	T08N	R15E	F	M	38 32 55	120 18 24	000		1967			09
A0 5223	M AND T RANCH	145	SEC 05	T21N	R01E	D	M	39 42 30	121 53 48	000		1938		03	04
G2 5231	MADELINE HWY MAINT STN	5231	SEC 10	T37N	R13E	M	M	41 03 20	120 28 18	900		1957			18
A8 5258	MAHNKE	2380	SEC 30	T12N	R08W		M	38 51 00	122 47 00	900		1954			17
B0 5303	MANTECA	40	SEC 04	T02S	R07E	H	M	37 47 32	121 12 01	900		1964			39
A4 5299-02	MANTON 6 E	3250	SEC 28	T30N	R02E	B	M	40 26 12	121 46 00	000		1958			52
A4 5311	MANZANITA LAKE	5850	SEC 18	T31N	R04E		M	40 32 00	121 34 00	900		1941			45
A0 5311-10	MANZANITA FIRE STATION	87	SEC 07	T17N	R03E	N	M	39 20 04	121 40 57	000		1963			51
G8 5356	MARKLEEVILLE	5546	SEC 21	T10N	R20E	Q	M	38 41 33	119 46 57	900		1909			02
A9 5360	MARKLEY COVE	480	SEC 31	T08N	R02W		M	38 30 00	122 07 00	904		1970			28
B0 5368	MARSHALL RANCH	59	SEC 16	T03N	R07E	P	M	38 06 11	121 12 56	412		1925		01	39
A0 5385	MARYSVILLE	60	SEC 13	T15N	R03E	K	M	39 08 46	121 35 04	900		1871			58
A0 5403	MATHER AIR FORCE BASE	90	SEC 11	T08N	R06E		M	38 34 00	121 18 00	902		1944		01	34
A0 5409-01	MAXWELL	91	SEC 33	T17N	R03W	R	M	39 16 36	122 11 12	000		1920			06
A4 5444	MCCARTHY POINT	3800	SEC 19	T27N	R03E		M	40 11 00	121 41 00	900		1945			52
A0 5447	MC CLELLAN AIR FORCE BASE	70	SEC 01	T09N	R05E	N	M	38 39 39	121 23 28	902		1939			34
A2 5449	MC CLOUD	3300	SEC 01	T39N	R03W		M	41 16 00	122 08 00	900		1909			47
A1 5505	MEDICINE LAKE	6725	SEC 10	T43N	R03E	C	M	41 35 00	121 37 00	900		1946			47
G7 5572	MEYERS INSPECTION STATION	6342	SEC 29	T12N	R18E	P	M	38 51 15	120 01 01	900		1955			09
G7 5573	MEYERS RANGER STATION	6342	SEC 29	T12N	R18E	P	M	38 51 16	120 00 57	905		1962	1969		09
A7 5586	MICHIGAN BLUFF	3650	SEC 21	T14N	R11E	J	M	39 02 39	120 44 27	900		1940			31
A9 5598	MIDDLETOWN	1122	SEC 03	T10N	R07W		M	38 44 53	122 37 05	900		1938			17
A9 5599	MIDDLETOWN 4 WSW	1785	SEC 06	T10N	R07W	Q	M	38 44 14	122 40 30	000		1952			17
G6 5621	MILFORD	4140	SEC 26	T27N	R14E	A	M	40 10 30	120 21 48	000		1957			18
G6 5623	MILFORD LAUFMAN RANGER STN	4860	SEC 01	T26N	R14E	F	M	40 08 00	120 21 00	900		1940			18
A0 5640	MILLS ORCHARD	240	SEC 26	T22N	R02W	F	M	39 44 18	122 02 30	806		1929			11
B0 5673-02	MILTON	415	SEC 11	T02N	R10E	N	M	38 02 08	120 51 00	000		1948			05
G8 5678-26	MINDEN, NEVADA	4700	SEC 32	T13N	R20E		M	38 57 00	119 46 00	900	265191	1905			62
A4 5679	MINERAL	4910	SEC 25	T29N	R03E		M	40 21 00	121 36 00	900		1909			52
A5 5752	MOHAWK RANGER STATION	4370	SEC 09	T22N	R12E	G	M	39 47 12	120 37 58	905		1957			32
B2 5763	MOKELUMNE HILL	1480	SEC 07	T05N	R12E	M	M	38 18 06	120 42 00	907	045763	1882			05
B2 5763-05	MOKELUMNE HILL 5 E	1920	SEC 11	T05N	R12E	R	M	38 17 45	120 36 55	000		1964			05
V0 5779	MONO LAKE	6450	SEC 30	T02N	R26E	C	M	38 00 29	119 09 05	900		1944			26
A3 5810	MONTGOMERY PLACE	870	SEC 19	T26N	R06W	R	M	40 05 05	122 34 35	000		1961			52
A9 5818	MONTICELLO DAM	505	SEC 29	T08N	R02W	N	M	38 30 18	122 06 57	900		1957	1970		28
A8 5858-01	MORGAN VALLEY STANLEY	2415	SEC 13	T12N	R06W	L	M	38 53 10	122 28 30	000		1960			17
B8 5884	MOUNTAIN HOUSE	200	SEC 18	T02S	R04E	Q	M	37 45	121 35	000					60
B2 5892-05	MOUNTAIN RANCH 2 NW	2200	SEC 32	T05N	R13E	L	M	38 14 27	120 34 03	000		1965			05
A7 5909	MOUNT DANAHER	3408	SEC 05	T10N	R12E	R	M	38 44 38	120 40 00	900		1943			09
A5 5956	MT HOUGH SNOWCOURSE	6760	SEC 08	T25N	R10E	J	M	40 02 29	120 52 43	000		1964			32
G7 5975-26	MT ROSE XMAS TREE	7360		T17N	R19E		M	39 20	119 53	900			1970		62
A2 5982	MT SHASTA SLOPE	7500	SEC 30	T41N	R03W	Q	M	41 22 00	122 16 00	900		1947			47
A2 5985	MT SHASTA WBO CITY	3540		T40N	R04W		M	41 19	122 19	900		1948			47
B2 6039-03	MURPHYS 2 N	1880	SEC 30	T04N	R14E	Q	M	38 09 56	120 28 12	000		1957			05
A0 6092	NATOMAS FIRE STATION 2	17	SEC 35	T10N	R03E	C	M	38 41 07	121 37 26	422		1962			34
A0 6130	NELSON WESTERN CAMP	120	SEC 31	T20N	R02E	A	M	39 33 00	121 47 00	003		1917		06	04
A6 6136	NEVADA CITY	2520	SEC 07	T16N	R09E	P	M	39 15 30	121 00 38	900		1863			29
A6 6136-29	NEVADA CITY RANGER STATION	2710	SEC 13	T16N	R08E	L	M	39 14 54	121 01 42	808					29
A0 6154	NEWCASTLE FOWLER	250	SEC 17	T12N	R07E	F	M	38 53 31	121 13 12	000		1948			31
A0 6157	NEW ENGLAND ORCHARD	50	SEC 13	T14N	R03E	L	M	39 03 42	121 35 19	000		1959			51
A1 6173-35	NEW PINE CREEK, OREGON	4880	SEC 24	T41S	R02E		W	42 00 00	120 18 00	000		1960			61
A0 6194	NICOLAUS NO. 2	43	SEC 05	T12N	R04E	A	M	38 55 27	121 32 37	900		1959			51
A3 6212	NOEL SPRING	5000	SEC 05	T19N	R07W	B	M	39 32 16	122 40 03	903		1964			11
A0 6216	NORD	180	SEC 31	T23N	R01E	G	M	39 48 18	121 54 24	000		1944		14	04
A6 6232	NORTH BLOOMFIELD	3280	SEC 06	T17N	R10E	F	M	39 22 05	120 53 54	000		1870		19	29
A0 6271	NORTH SACRAMENTO	26	SEC 04	T09N	R05E	M	M	38 38 48	121 28 30	000		1955			34
A6 6274	NORTH SAN JUAN	2081	SEC 05	T17N	R08E	B	M	39 22 15	121 06 04	000		1897		48	29
A6 6275	NORTH SAN JUAN 4 NE	1815	SEC 22	T18N	R08E	B	M	39 25 11	121 03 52	000		1954			58
A1 6415	OLD STATION	4380	SEC 33	T33N	R05E	M	M	40 40 30	121 25 54	000		1960			45
A5 6452	ONION VALLEY	6530	SEC 05	T22N	R10E	G	M	39 48 00	120 53 06	000		1959			32
A3 6455	ONO	980	SEC 02	T30N	R07W		M	40 29 00	122 37 00	900		1951			45
A0 6481	ORANGEVALE	235	SEC 28	T10N	R07E	G	M	38 41 35	121 12 52	000		1958			34
A0 6505	ORLAND FRENCH RANCH	312	SEC 05	T20N	R04W	K	M	39 37 00	122 19 42	000		1959			11
A0 6506	ORLAND	254	SEC 21	T22N	R03W		M	39 45 00	122 12 00	900		1883			11
A0 6521	OROVILLE	171	SEC 18	T19N	R04E	H	M	39 30 22	121 33 31	900		1953			04
A0 6525	OROVILLE BRIDGE	165	SEC 18	T19N	R04E	F	M	39 30 27	121 34 02	900		1908			04
A5 6527	OROVILLE DAM	845	SEC 01	T19N	R04E	N	M	39 31 40	121 28 46	000		1959			04

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A0 6528	OROVILLE RANGER STATION	300	SEC 07	T19N	R04E	C	M	39 31 32	121 34 02	900		1940			04
B0 6551-05	OSPITAL RANCH	280	SEC 11	T03N	R09E	R	M	38 07 19	121 56 42	903		1965			05
G6 6562	OTIS CANYON	4075	SEC 03	T26N	R15E	F	M	40 08 24	120 16 42	000		1959			18
A7 6597	PACIFIC HOUSE	3440	SEC 34	T11N	R13E		M	38 45 00	120 30 00	900		1941			09
A0 6620	PALERMO	156	SEC 08	T18N	R04E	C	M	39 26 09	121 32 55	907		1891			04
A4 6647-05	PALO CEDRO 2 N	500	SEC 29	T32N	R03W	P	M	40 35 36	122 13 54	000		1963			45
A4 6685	PARADISE	1780	SEC 15	T22N	R03E	R	M	39 46	121 38	900		1925			04
A5 6697-04	PARISH CAMP	950	SEC 18	T21N	R04E	H	M	39 40 39	121 33 49	000		1965			04
A0 6726	PASKENTA RANGER STATION	755	SEC 04	T23N	R06W		M	39 53 00	122 32 00	900		1938			52
A1 6750	PATTERSON MEADOW	7000	SEC 29	T39N	R16E		M	41 11 00	120 12 00	000		1958			25
A4 6761	PAYNES CREEK	1850	SEC 25	T29N	R01W		M	40 20 00	121 54 00	900		1951			52
A7 6773-09	PEAVINE RIDGE	5175	SEC 17	T11N	R14E	L	M	38 47 55	120 26 00	440		1962			09
A1 6803	PEPPERDINES CAMP	6650	SEC 28	T42N	R15E	F	M	41 26 30	120 14 00	000		1958			25
A0 6849-11	PHELAN PARROTT RANCH	120	SEC 01	T21N	R01W	E	M	39 42 24	121 56 06	000		1924			04
A0 6854-34	PHOENIX FIELD	270	SEC 09	T09N	R07E	C	M	38 39 19	121 13 05	422		1964			34
B1 6898	PINE GROVE CONSERVATION CAMP	2350	SEC 34	T07N	R12E	Q	M	38 24 46	120 38 21	808		1960			03
A1 6946	PIT RIVER POWERHOUSE NO. 5	1458	SEC 09	T36N	R01W		M	40 59 00	121 59 00	900		1944			45
B8 6949	PITTSBURG DOW CHEMICAL	14	SEC 15	T02N	R01E	D	M	38 01 26	121 51 20	000		1947			07
A7 6960	PLACERVILLE	1890	SEC 07	T10N	R11E	R	M	38 43 45	120 47 51	900		1874			09
A7 6962	PLACERVILLE I F G	2755	SEC 10	T10N	R11E	A	M	38 44 24	120 44 28	900		1929			09
A7 6964	PLACERVILLE DISPOSAL PLANT	1546	SEC 11	T10N	R10E	P	M	38 43 56	120 50 44	900		1963			09
A0 6966-02	PLAINFIELD 1 E	59	SEC 30	T09N	R02E	R	M	38 35 36	121 47 05	000		1957			57
A0 6966-05	PLAINFIELD 2 NNW	68	SEC 24	T09N	R01E	D	M	38 37 08	121 49 00	000		1938	1969		57
A0 6968	PLAINFIELD 1 NNW	65	SEC 25	T09N	R01E	H	M	38 35 53	121 48 21	000		1957			57
A3 6976-10	PLATINA	2260	SEC 16	T29N	R09W		M	40 22	122 53	900		1962			45
A3 6976-35	PLATINA BURCH	2300	SEC 17	T29N	R09W	R	M	40 21 42	122 53 18	000		1962			45
A9 6977	PLEASANTS VALLEY	250	SEC 11	T07N	R02W		M	38 28 05	122 02 35	000		1949			48
A5 6998	PLUMAS EUREKA STATE PARK	5165	SEC 24	T22N	R11E	E	M	39 45 25	120 41 52	900		1961			32
B1 7000-01	PLYMOUTH 3 NE	1485	SEC 31	T08N	R11E	E	M	38 30 20	120 48 45	000		1954			03
B1 7000-03	PLYMOUTH 6 WNW	445	SEC 25	T08N	R09E	Q	M	38 31 02	120 55 56	000		1951			03
A9 7058	POPE VALLEY 2 E	610	SEC 23	T09N	R05W		M	38 36 57	122 23 21	000					28
A5 7085	PORTOLA	4838	SEC 01	T22N	R13E	D	M	39 48 17	120 28 16	900		1914			32
B2 7136	PRESTON SCHOOL	350	SEC 24	T06N	R09E	G	M	38 21 48	120 56 12	412		1955			03
A5 7195	QUINCY RANGER STATION	3409	SEC 14	T24N	R09E	Q	M	39 56 18	120 56 27	900		1895			32
A6 7215	RACKERBY	1400	SEC 08	T18N	R06E	D	M	39 26 13	121 19 47	000		1963			04
B2 7221-21	RAILROAD FLAT	2540	SEC 09	T05N	R13E	G	M	38 18 18	120 32 36	000		1948			05
B2 7221-22	RAILROAD FLAT A D R	2720	SEC 04	T05N	R13E		M			903		1965			05
A0 7247	RANCHO CORDOVA	87	SEC 34	T09N	R06E	A	M	38 35 49	121 18 02	000		1957		07	34
A0 7247-01	RANCHO CORDOVA FIRE STATION	93	SEC 35	T09N	R06E	E	M	38 35 36	121 17 38	422		1960			34
G2 7261	RAVENDALE JIM MARR	5540	SEC 30	T35N	R17E	D	M	40 52 30	120 06 00	000	PN7259	1952			18
G2 7261-04	RAVENDALE 5 ESE	5350	SEC 21	T34N	R15E	R	M	40 47	120 16 30	000		1959			18
A0 7291-06	RED BLUFF OWENS RANCH	595	SEC 22	T27N	R05W	N	M	40 10 36	122 25 12	000		1959			52
A0 7291-12	RED BLUFF 8 S	333	SEC 31	T26N	R03W	N	M	40 03 24	122 15 18	000		1959			52
A0 7292	RED BLUFF WB AIRPORT	341		T27N	R03W		M	40 09 00	122 15 00	900		1939			52
A0 7295	REDDING 5 SSE	470		T31N	R04W		M	40 34 00	122 23 00	900		1958			45
A0 7296	REDDING FIRE STATION NO. 2	577	SEC 35	T32N	R05W		M	40 35 00	122 24 00	900		1875			45
A0 7300-03	REDDING CLEAR CREEK	450	SEC 25	T31N	R05W	E	M	40 30 00	122 24 00	000		1956	1969		45
G7 7365-26	RENO, NEVADA	4397					M	39 30 00	119 47 00	900	266779	1870			62
A7 7370	REPRESA	295	SEC 25	T10N	R07E	F	M	38 41 36	121 09 39	900		1893			34
A0 7390	RICE EXPERIMENT STATION	96	SEC 34	T19N	R02E	B	M	39 27 49	121 44 00	906		1913	1970		04
A0 7422-04	RICHVALE	103	SEC 16	T19N	R02E	R	M	39 29 42	121 44 46	000		1963			04
B9 7446	RIO VISTA	40	SEC 31	T04N	R03E	E	M	38 08 55	121 41 35	900		1907			48
A0 7446-01	RIO VISTA 1 NW	85	SEC 24	T04N	R02E	P	M	38 10 30	121 42 36	000		1956			48
B9 7446-02	RIO VISTA 4 NW	63	SEC 16	T04N	R02E	H	M	38 11 32	121 45 02	000		1949			48
A0 7446-04	RIO VISTA 5 W	145	SEC 29	T04N	R02E	Q	M	38 09 23	121 46 34	000		1965			48
B1 7464	RIVER PINES	2015	SEC 15	T08N	R11E	J	M	38 32 46	120 44 39	000		1950			03
A0 7487	ROBBINS	20	SEC 24	T12N	R02E	P	M	38 52	121 43			1926			51
A7 7489	ROBBS PEAK POWERHOUSE	5120	SEC 11	T12N	R14E	G	M	38 54 07	120 22 28	900		1965			09
A7 7492	ROBERTSON FLAT	6740	SEC 11	T15N	R13E	N	M	39 09 26	120 30 06	000		1946			31
A0 7516	ROCKLIN	239	SEC 19	T11N	R07E	C	M	38 47 36	121 14 30	900		1869			31
A0 7564-04	ROSEVILLE 6 W	108	SEC 12	T10N	R05E		M	38 44 29	121 23 00	000		1965	1969		31
A0 7568-02	ROSEWOOD CAPEHART	650	SEC 14	T28N	R06W	K	M	40 16 48	122 30 30	419		1960	1970		52
A2 7580	ROUND MOUNTAIN 1 NNE	2120	SEC 23	T34N	R01W		M	40 49 00	121 56 00	900		1951			45
A8 7591-05	RUMSEY 1 NW	460	SEC 12	T12N	R04W	K	M	38 54 03	122 14 55	000		1928			57
A6 7608-05	RUSSELL RANCH	2400	SEC 19	T19N	R06E	J	M	38 29 19	121 20 10	000		1963			04
A0 7630	SACRAMENTO WB AIRPORT	17	SEC 25	T08N	R04E	M	M	38 31 00	121 30 00	900		1936			34
A0 7633	SACRAMENTO WB CITY	25	SEC 01	T08N	R04E	C	M	38 35 00	121 29 00	900		1849			34
B0 7633-34	SACRAMENTO COUNTY BOYS RANCH	190	SEC 18	T08N	R08E	A	M	38 33 14	121 08 02	422		1962			34
A0 7633-53	SACRAMENTO HUFFMAN	30	SEC 16	T08N	R05E		M	38 33 12	121 26 36	000		1959			34
A0 7633-55	SACRAMENTO 3 SSW			T08N	R04E		M			000					34

TABLE A-1 (Cont.)

INDEX OF CLIMATOLOGICAL STATIONS

NORTHEASTERN CALIFORNIA

Station Number	Station Name	Elevation (in Feet)	Section	Township	Range	40-Acre Tract	Base & Meridian	Latitude ° ' "	Longitude ° ' "	Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
A0 7633-56	SACRAMENTO 6 S	14	SEC 02	T07N	R04E	H	M	38 29 30	121 30 09	000		1963	1970		34
A0 7635	SACRAMENTO REFUGE	95	SEC 10	T18N	R03W	F	M	39 25 48	122 11 06	000		1958			11
A3 7637	SADDLE CAMP RANGER STATION	3850	SEC 30	T27N	R08E		M	40 10 00	122 48 00	900		1945			52
G7 7641	SAGEHEN CREEK	6337	SEC 07	T18N	R16E	B	M	39 25 53	120 14 25	900		1953			29
A9 7649	SAINT HELENA 7 NE	870	SEC 11	T08N	R05W	B	M	38 33 56	122 22 53	900		1940			28
B2 7689	SALT SPRINGS POWERHOUSE	3700	SEC 33	T08N	R16E	N	M	38 29 50	120 12 59	900		1928			03
B2 7701	SAN ANDREAS	1120	SEC 17	T04N	R12E	N	M	38 11 33	120 40 55	000	047701	1924		02	05
B2 7702	SAN ANDREAS 2 S	830	SEC 29	T04N	R12E	Q	M	38 09 50	120 40 18	900		1924			05
B2 7705	SAN ANDREAS RANGER STATION	1100	SEC 20	T04N	R12E	A	M	38 11 32	120 40 10	808	047705	1953			05
A6 8029	SCALES	4260	SEC 18	T20N	R09E	P	M	39 35 38	121 00 56	000		1935		25	46
G4 8074	SECRET VALLEY	4435	SEC 27	T31N	R15E	B	M	40 31 24	120 16 00	000		1962			18
G7 8082	SECOND SUMMIT	6460	SEC 03	T19N	R17E	H	M	39 31 43	120 03 58	911		1958			46
A6 8112-29	SHADY CREEK	2010	SEC 17	T17N	R08E	P	M	39 19 47	121 06 25	000		1963			29
A2 8135	SHASTA DAM	1076	SEC 15	T33N	R05W		M	40 43 00	122 25 00	900		1942			45
B2 8145	SHEEP RANCH	2350	SEC 08	T04N	R14E	N	M	38 12 35	120 27 47	903	PN8150	1937			05
B1 8173	SHINGLE SPRINGS	1375	SEC 06	T09N	R10E	A	M	38 40 07	120 54 41	900		1943			09
A4 8175	SHINGLETOWN 2 E	3540	SEC 34	T31N	R01E	K	M	40 29 42	121 50 48	900		1958			45
A6 8207	SIERRA CITY	4170	SEC 28	T20N	R12E	Q	M	39 33 55	120 37 45	900		1948			46
A5 8218	SIERRAVILLE RANGER STATION	4975	SEC 13	T20N	R14E	K	M	39 35 00	120 22 07	900		1909			46
B0 8293-01	SLOUGHHOUSE 1 SW	123	SEC 04	T07N	R07E	Q	M	38 29 01	121 12 34	000		1950		01	34
B1 8295	SLY PARK	3530	SEC 17	T10N	R13E	L	M	38 43 00	120 33 47	907		1955			09
A0 8300	SMARTSVILLE	800	SEC 34	T16N	R06E	F	M	39 12 08	121 17 15	808		1872		80	58
B0 8322	SNOW RANCH	240	SEC 12	T01N	R10E	Q	M	37 56 47	120 49 16	000		1934			50
A6 8332	SODA SPRINGS 1 E	6885	SEC 23	T17N	R14E	G	M	39 19 33	120 22 00	900	PN8320	1946		05	29
B1 8344-09	SOMERSET 5 ESE	3160	SEC 24	T09N	R12E	G	M	38 37 13	120 35 54	900		1964			09
G9 8355	SONORA JUNCTION	6886	SEC 21	T06N	R23E	J	M	38 21 04	119 26 54	900		1959			26
G7 8474	SQUAW VALLEY	6235	SEC 21	T16N	R16E	A	M	39 11 48	120 14 12	900		1955			31
G6 8483	STACY	4020	SEC 20	T28N	R17E	L	M	40 16 00	120 05 00	000		1963			18
G4 8487	STANDISH 1 E	4030	SEC 16	T29N	R14E	J	M	40 22 00	120 24 00	900		1958			18
A5 8544	STIRLING CITY RANGER STATION	3518	SEC 28	T24N	R04E	K	M	39 54 17	121 31 38	900		1903			04
B9 8554	STOCKTON DISPOSAL PLANT	11	SEC 16	T01N	R06E	E	M	37 56 09	121 19 41	900		1938			39
B0 8558	STOCKTON WB AIRPORT	22		T01N	R07E		M	37 54 00	121 15 00	900		1948			39
B0 8560	STOCKTON FIRE STATION 4	12	SEC 21	T02N	R06E	R	M	38 00 01	121 18 59	900		1867			39
A0 8576	STONE VALLEY	540	SEC 26	T21N	R05W	F	M	39 39	122 23 42	000		1930			11
A3 8578	STONYFORD COOLEY RANCH	3020	SEC 08	T16N	R07W	H	M	39 15 18	122 39 30	900	PN1983	1935			06
A3 8580	STONYFORD RANGER STATION	1168	SEC 29	T18N	R06W		M	39 23 00	122 32 45	900		1918			06
A3 8587	STONY GORGE RESERVOIR	770	SEC 16	T20N	R06W		M	39 35 00	122 32 00	900		1926			11
A2 8591	STOUTS MEADOW	5300	SEC 01	T38N	R01W	B	M	41 10 00	121 56 00	900		1946			45
A6 8606	STRAWBERRY VALLEY	3808	SEC 29	T20N	R08E	L	M	39 33 48	121 06 32	900		1935			58
G4 8702	SUSANVILLE AIRPORT	4148	SEC 13	T29N	R12E	B	M	40 23 00	120 33 00	900		1931			18
G4 8703	SUSANVILLE 1 WNW	4555	SEC 31	T30N	R12E		M	40 26 00	120 40 00	900		1952			18
G4 8704	SUSANVILLE COURTHOUSE	4325	SEC 32	T30N	R12E	E	M	40 25	120 39 42	000		1932			18
A0 8710	SUTTER CITY	46	SEC 21	T15N	R02E	A	M	39 08 30	121 44 48	000		1931			51
A0 8710-05	SUTTER RANCH	60	SEC 09	T15N	R03E	R	M	39 09 33	121 38 07	000		1950			51
B2 8713	SUTTER HILL RANGER STATION	1586	SEC 18	T06N	R11E	A	M	38 22 39	120 48 03	900		1943			03
A5 8716	SWAIN MOUNTAIN	6160	SEC 20	T30N	R08E	J	M	40 26 40	121 06 00	000		1957			32
A1 8718	SWEAGERT FLAT	6000	SEC 11	T39N	R10E	F	M	41 14	120 47 30	000		1958			25
G7 8758	TAHOE CITY	6230	SEC 07	T15N	R17E	B	M	39 09 59	120 08 27	900		1909			31
G2 8872	TERMO 6 SW	5320	SEC 13	T34N	R12E	H	M	40 48 42	120 33 36	000		1958			18
G2 8873	TERMO	5300	SEC 25	T35N	R13E	M	M	40 52 00	120 27 00	900		1927		17	18
A7 8881	THE CEDARS	5900	SEC 13	T16N	R14E	L	M	39 15 00	120 21 12	000		1945			31
A0 8894-04	THERMALITO AFTERBAY	141	SEC 07	T19N	R03E	N	M	39 30 32	121 41 00	000		1965			04
A5 8909	THREE MILE VALLEY	5900	SEC 36	T24N	R12E	A	M	39 54 05	120 34 15	000		1959			32
B2 8928	TIGER CREEK POWERHOUSE	2355	SEC 24	T07N	R13E	G	M	38 26 58	120 29 28	900		1907			03
A0 8933	TISDALE WEIR	40	SEC 36	T14N	R01E	E	M	39 01 18	121 49 12	000		1948		05	51
A0 8933-01	TISDALE BYPASS	30	SEC 30	T14N	R02E	R	M	39 01 42	121 46 48	000		1946			51
A7 8945	TODD VALLEY	2685	SEC 03	T13N	R10E	N	M	38 59 53	120 50 57	000		1961			31
G9 8970-26	TOPAZ LAKE, NEVADA	5020	SEC 27	T10N	R22E	N	M	38 46 42	119 30 40	900	268186	1957			62
A0 8984-34	TOWN AND COUNTRY MITCHELL	50	SEC 26	T09N	R05E	E	M	38 36 25	121 24 18	000		1960			34
B9 8995	TRACY FIRE STATION	53	SEC 28	T02S	R05E	C	M	37 44 14	121 25 30	000		1960			39
B9 8995-01	TRACY SOUTHERN PACIFIC	50	SEC 27	T02S	R05E	D	M	37 44 18	121 24 48	000		1878			39
B9 8997	TRACY 2 SSE	108	SEC 03	T03S	R05E	C	M	37 42 32	121 24 37	900		1951			39
B9 8999	TRACY CARBONA	137	SEC 10	T03S	R05E	D	M	37 41 45	121 24 49	900		1934			39
B9 9001	TRACY PUMPING PLANT	61	SEC 31	T01S	R04E	N	M	37 47 45	121 34 53	900		1955			60
A3 9037	TROUGH SPRING	4000	SEC 28	T17N	R07W	L	M	39 17 48	122 39 11	903		1964			06
G7 9043	TRUCKEE RANGER STATION	5995	SEC 10	T17N	R16E	P	M	39 19 48	120 11 20	900		1870			29
A2 9083	TURNTABLE CREEK	1067	SEC 27	T34N	R04W		M	40 46 00	122 18 00	900		1947	1969		45
A5 9095	TWAIN	2840	SEC 22	T25N	R08E	B	M	40 01 11	121 04 14	000		1963			32
A4 9098	TWENTY MILE HOLLOW	2800	SEC 07	T26N	R02E	F	M	40 07 33	121 48 12	000		1960			52
A7 9105	TWIN LAKES	7829	SEC 18	T10N	R18E	Q	M	38 42 22	120 02 27	900		1919			02

TABLE A-1 (Cont.)

INDEX OF CLIMATOLOGICAL STATIONS

NORTHEASTERN CALIFORNIA

Station Number	Station Name	Elevation (In Feet)	Section	Township	Range	40-Acre Tract	Base & Meridian	Latitude ° ' "	Longitude ° ' "	Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
B9 9135-39	UNION ISLAND	-6	SEC 14	T01S	R04E	N	M	37 50 29	121 30 42	000		1929			39
A7 9143	UNION VALLEY	4785	SEC 29	T12N	R14E	C	M	38 51 45	120 26 23	440		1963			09
A8 9167	UPPER LAKE 7 W	1520	SEC 02	T15N	R11W		M	39 11 00	123 02 00	900		1939			17
A0 9200	VACAVILLE	104	SEC 14	T06N	R01W	N	M	38 21 36	121 56 57	900		1880			48
B2 9235	VALLEY SPRINGS	695	SEC 24	T04N	R10E	D	M	38 11 34	120 49 49	000		1888		08	05
B0 9237	VALLEY SPRINGS 6 SW	360	SEC 08	T03N	R10E	C	M	38 07 58	120 54 08	000		1951			05
A0 9307	VERONA	43	SEC 24	T11N	R03E	D	M	38 47 27	121 35 45	000		1948			51
A0 9339-02	VINA 1 NE	235	SEC 12	T24N	R02W	K	M	39 56 54	122 02 06	000		1945			52
A0 9342	VINA MONASTERY	202	SEC 14	T24N	R02W	E	M	39 56 18	122 03 42	000		1917		07	52
A5 9351	VINTON	4945	SEC 28	T23N	R16E	G	M	39 49 08	120 11 19	900		1941			32
G8 9360-26	VIRGINIA CITY, NEVADA	6340						39 18 00	119 38 00	900	268761				62
A2 9386	VOLLMERS	1360	SEC 34	T36N	R05W		M	40 57 00	122 26 00	900		1937			45
A4 9390	VOLTA POWERHOUSE	2200	SEC 16	T30N	R01E		M	40 27 00	121 52 00	900		1919			45
B0 9418	WALLACE 1 SE	214	SEC 22	T04N	R09E	J	M	38 10 53	120 57 45	900		1926			05
B9 9428	WALNUT GROVE	20	SEC 35	T05N	R04E	M	M	38 14 16	121 31 00	422		1953		02	34
B9 9429	WALNUT GROVE LEARY	2	SEC 22	T05N	R04E	M	M	38 16 06	121 32 12	801		1941			34
A6 9454-29	WASHINGTON RIDGE	3800	SEC 26	T17N	R09E	K	M	39 18 18	120 56 03	808		1962			29
A6 9455	WASHINGTON	2680	SEC 12	T17N	R10E	B	M	39 21 27	120 47 55	000		1962			29
A6 9503	WEIMAR 1 W	1980	SEC 20	T14N	R09E	Q	M	39 02 36	120 59 48	000		1959			31
G9 9514-26	WELLINGTON R S, NEVADA	4800	SEC 02	T10N	R23E		M	38 45 00	119 23 00	900	268977	1942			62
G6 9526	WENDEL 10 SE	4035	SEC 20	T28N	R17E	H	M	40 16 00	120 04 24	900		1957			18
G4 9526-01	WENDEL 1 E	4040	SEC 29	T29N	R16E	E	M	40 21	120 12 30	000		1958			18
A0 9530	WEST ACRES	15	SEC 33	T09N	R04E	Q	M	38 34 36	121 32 12	000		1959			57
A0 9546	WEST CARMICHAEL	90	SEC 43	T09N	R06E		M	38 36 00	121 21 00	000		1959	1970		34
B2 9582	WEST POINT	2740	SEC 02	T06N	R13E		M	38 24 00	120 32 00	900		1894		20	05
A7 9597	WESTVILLE	5290	SEC 05	T15N	R12E	J	M	39 10 30	120 39 08	000		1948			31
A0 9605	WHEATLAND 2 NE	105	SEC 35	T14N	R05E	D	M	39 01 40	121 23 24	900		1940			58
A0 9606	WHEATLAND CALPACK	77	SEC 08	T13N	R05E	L	M	38 59 24	121 26 34	000		1934			51
A3 9621	WHISKEYTOWN RESERVOIR	1310	SEC 22	T32N	R06W		M	40 37	122 32	900		1959			45
A0 9677	WILLIAMS	90	SEC 13	T15N	R03W		M	39 09 00	122 09 00	900		1876			06
G4 9630-31	WILLOW CREEK MURRER RANCH	4930	SEC 07	T31N	R12E	L	M	40 34 00	120 40 00	000		1958			18
A1 9696	WILLOW RANCH	4750	SEC 21	T47N	R14E	G	M	41 54 08	120 21 20	000		1957			25
A0 9699	WILLOWS	140	SEC 09	T19N	R03W		M	39 32 00	122 12 00	900		1879			11
A0 9700	WILLOWS USBR	135	SEC 09	T19N	R03W		M	39 32 00	122 12 00	904		1967			11
B2 9710	WILSEYVILLE SCHAADS	2800	SEC 09	T06N	R14E	E	M	38 23 18	120 26 41	412		1963			05
A0 9742	WINTERS	135	SEC 22	T08N	R01W		M	38 31 20	121 58 08	900		1942			57
A8 9742-04	WINTERS SCOTT RANCH	320	SEC 26	T09N	R02W	J	M	38 35 54	122 02 36	000		1949			57
A0 9742-05	WINTERS UDELL RANCH	140	SEC 10	T07N	R01W	E	M	38 28 06	121 57 30	000		1934			48
A0 9742-12	WINTERS 3 NE	116	SEC 13	T08N	R01W	F	M	38 32 26	121 55 29	000		1926			57
A0 9742-13	WINTERS 4 N	177	SEC 33	T09N	R01W	G	M	38 35 08	121 58 33	000		1951			57
A0 9742-16	WINTERS LEWIS RANCH	99	SEC 20	T08N	R01E	M	M	38 31 28	121 53 27	000		1928			48
A0 9745	WINTERS WOLFSKILL RANCH	137	SEC 33	T08N	R01W	B	M	38 30	121 58 06	801		1937			48
A6 9764	WOLF MOUNTAIN	2631	SEC 21	T15N	R08E	E	M	39 07 48	121 06	000		1962			29
B0 9770-02	WOODBRIDGE FIRE STATION NO. 1	41	SEC 34	T04N	R06E		M	38 09 16	121 18 37	412		1968			39
B0 9770-03	WOODBRIDGE FIRE STATION NO. 2	37	SEC 23	T03N	R06E	R	M	38 05 12	121 16 42	412		1968			39
G8 9775	WOODFORDS	5671	SEC 35	T11N	R19E	E	M	38 46 34	119 49 27	900		1937			02
A0 9781	WOODLAND 1 WNW	69	SEC 30	T10N	R02E	L	M	38 41 00	121 47 36	900		1873			57
A0 9781-95	WOODLAND HOLLAND RANCH	122	SEC 13	T09N	R01W	R	M	38 37 15	121 55 00	000		1943			57
A0 9783	WOODLAND 3 W	95	SEC 26	T10N	R01E	L	M	38 40 57	121 50 00	000		1957			57
A5 9786-02	WOODLEAF OROLEVE	3340	SEC 03	T19N	R07E	P	M	39 31 40	121 10 44	000		1960			04
A7 9816	WRIGHTS LAKE	6950	SEC 32	T12N	R16E	J	M	38 50 30	120 14 02	900		1946			09
A7 9818	WRIGHTS LAKE SNOWCOURSE	7600	SEC 16	T11N	R16E		M	38 48 15	120 12 55	814		1965			09
A0 9837-03	YOLO 2 NE	52	SEC 29	T11N	R02E	N	M	38 45 53	121 46 58	000		1949			57
A0 9837-05	YOLO 3 NNE	52	SEC 30	T11N	R02E	C	M	38 46 43	121 47 38	000		1950			57
A0 9837-07	YOLO 3 N	45	SEC 19	T11N	R02E	N	M	38 46 46	121 47 56	000		1962			57
B0 9859	YOUNGSTOWN	65	SEC 20	T04N	R07E	N	M	38 10 36	121 14 29	412		1938			39
A0 9871	YUBA CITY	60	SEC 23	T15N	R03E	Q	M	39 07 47	121 36 19	000		1958			51
A0 9871-96	YUBA CITY 4 S	50	SEC 02	T14N	R03E	Q	M	39 05 12	121 36 18	000		1965			51

TABLE A-2

PRECIPITATION DATA

The definition of terms and abbreviations used in connection with this table are as follows:

- No record or record incomplete.

* Amount included in the following measurement. Time distribution unknown.

E Wholly or partially estimated.

T Trace, an amount too small to measure.

V Includes total from previous month.

RB Record began.

RE Record ended.

Precipitation values are shown to the nearest hundredth (.01) of an inch, except where Fischer & Porter recording rain gages are used, these values are shown to the nearest tenth (.1) of an inch.

TABLE A-2 (Cont.)
PRECIPITATION DATA

Precipitation in Inches

Station Name	Total July 1 to June 30	1969						1970									Total Oct. 1 to Sept 30
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
SACRAMENTO RIVER BASIN																	
SACRAMENTO VALLEY FLOOR AO																	
ARBUCKLE 5 SSW	-	0	0	0	RE												
ARDEN AND MISSION	15.57	0	0	0	0.63	0.85	3.94	6.61	1.25	1.75	0.14	0	0.40	0	0	0	15.57
ARDEN PARK BAILEY	18.68	0.01	0	0.03	0.73	0.99	4.78	8.25	1.47	1.89	0.14	T	0.39	0	0	0	18.64
BEALE AIR FORCE BASE	21.60	0.09	0	T	1.44	0.82	6.54	7.72	2.31	2.20	0.15	T	0.33	0	0	0	21.51
BLACK BUTTE RANCH	20.48	0	0	0	1.13	0.41	6.27	8.15	1.85	2.34	0.12	0	0.21	0	0	0	20.48
BROWNS VALLEY 2 NE	29.66	0	0	0	1.58	1.27	8.70	10.48	2.37	4.25	0.28	0	0.73	0	0	0	29.66
CENTRAL VALLEY BURNS	63.39	0	0	0.28	1.68	3.18	19.42	30.58	2.83	3.60	0.03	0.34	1.45	0	0	0	63.11
CHICO EXPERIMENTAL STN	31.41	0.05	0	0	1.42	1.13	10.34	11.78	2.35	2.55	0.25	0.09	1.45	0	0	0	31.36
CHICO AIRPORT	26.94	0.08	0	0	1.21	0.92	8.52	10.50	2.86	1.79	0.11	T	0.95	0	0	T	26.86
CIRCLE T RANCH	27.58	0	0	0	2.77	0.47	7.73	13.37	1.15	2.09	0	0	0	0	0	0	27.58
CITRUS HEIGHTS	20.76	T	0	T	1.04	1.28	5.46	8.06	1.71	2.11	0.65	T	0.45	0	0	0	20.76
CITRUS HEIGHTS FIRE STN	20.71	0	0	0.01	1.01	1.26	5.70	8.61	1.00	2.40	0.40	0	0.32	0	0	0	20.70
CLARKS VALLEY MUDD	21.17	0	0	T	1.00	0.74	5.80	8.93	2.24	1.72	T	T	0.74	0	0	0	21.17
COLEMAN FISH HATCHERY	30.43	0.63	0	0	1.59	1.84	9.19	10.42	2.54	2.83	0.08	0.11	1.20	0	0	0.01	29.81
COLUSA 1 SSW	17.27	0.03	0	0	1.06	0.36	5.20	6.62	1.97	1.39	0.29	0.01	0.34	0	0	0	17.24
COON CREEK EXPERIMENT PLOT	-	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-
CORNING UHL	21.37	T	0	0	1.35	0.78	6.14	8.43	1.68	2.18	0.09	0.02	0.70	0	0	T	21.37
CORNING HOUGHTON RANCH	20.51	0	0	0	1.06	0.20	6.18	8.31	2.04	2.25	0.06	0.02	0.39	0	0	0	20.51
COTTONWOOD 7 W	32.45	0	0	0	1.54	1.52	8.87	12.34	2.29	4.64	0.11	0.10	1.04	0	0	0	32.45
COUNTRY CLUB CENTRE	17.37	0.05	0	0.03	0.79	0.86	4.62	7.07	1.17	1.88	0.41	T	0.49	0	0	T	17.29
DAN BEST RANCH	17.22	0	0	0	1.15	0.55	5.25	6.38	1.26	1.78	0.36	T	0.49	0	0	0	17.22
DANTONI ORCHARD	21.89	0	0	0	1.19	0.67	6.85	7.82	2.03	2.82	0.18	0	0.33	0	0	0	21.89
DAVIS 2 WSW	17.04	0	0	0.05	0.89	0.56	5.36	6.79	1.13	1.75	0.04	0.05	0.42	T	0	0	16.99
DAVIS STATE NURSERY	16.86	0	0	0	0.83	0.63	5.12	6.49	2.32	1.03	0	0.06	0.38	-	-	-	-
DEL PASO PARK	20.67	T	0	0.02	0.81	1.06	6.10	8.52	1.23	2.08	0.48	T	0.37	T	0	0	20.65
DEWEY AND WINDING WAY	-	0	0	0	0.88	-	-	9.18	1.77	2.37	0.57	0	-	0	0	0	-
DIXON 6 E	17.09	0	0	0	0.85	0.36	5.36	6.89	1.07	2.08	0.08	0	0.40	0	0	0	17.09
DUFOUR	16.02	0	0	0	1.21	0.51	4.71	5.70	1.34	1.85	0.42	0	0.28	0	0	0	16.02
DUNNIGAN	-	0	0	0	-	-	-	-	-	-	0.45	T	0.37	0	0	T	-
DUNNIGAN POWERS RANCH	16.50	0	0	0	0.58	0.59	5.36	6.19	1.48	1.74	0.26	T	0.30	0	T	0	16.50
DURHAM FIRE STATION	-	0.01	0	0	1.23	1.17	10.08	10.90	2.26	2.36	-	T	1.43	0	0	0	-
ELKHORN FERRY	19.99	T	0	0.02	0.90	0.58	5.22	8.65	1.36	2.65	0.26	T	0.35	0	0	0	19.97
ESPARTO DESERET FARMS	22.69	0	0	0.01	1.54	0.44	7.29	9.93	1.52	1.75	0.03	0.03	0.15	0	0	-	-
FAIR OAKS	19.45	0	0	0.01	0.84	1.11	5.04	8.09	1.26	2.51	0.18	0	0.41	0	0	0	19.44
FRUITRIDGE AND HEDGE	-	0.03	0	0	0.63	0.94	3.82	7.90	1.54	1.55	0.25	0	-	0	0	0	-
FRUTO 2	17.56	0	0	0	1.06	0.35	6.11	5.74	2.12	1.94	0.01	0.01	0.22	0	0	0	17.56
GLENN COLUSA HEADGATE	22.62	0	0	0	1.03	0.80	6.75	8.40	1.77	2.66	0.18	0.03	1.00	0	0	0	22.62
GRIDLEY BUTTE WATER DIST	24.30	T	0	0	1.18	0.96	7.66	8.44	2.12	2.85	0.30	0	0.79	0	0	0	24.30
HAMILTON RANCH	19.22	0	0	0	1.60	0.36	5.39	8.16	1.84	1.55	0.12	0	0.20	-	-	-	-
HONCUT	24.28	T	0	0	0.40	1.10	7.81	8.69	2.43	3.13	0.31	0	0.41	0	0	0	24.28
HUNTER DISTRICT GRAVES	25.51	T	0	0	1.22	0.67	7.77	10.45	2.32	2.14	0.37	0	0.57	0	0	0	25.51
JELLY	28.30	0	0	0	1.40	1.80	8.68	10.12	2.08	2.38	0.22	0.18	1.44	0	0	T	28.30
JOHNS SCHOOL	16.55	T	0	0	0.88	0.47	4.80	6.54	1.68	1.76	0.08	0.01	0.33	0	0	0	16.55
KAHI RADIO	-	0	0	0	2.17	2.41	8.83	-	3.15	0.43	0.39	T	1.00	0	0	0	-
KARNAK	19.08	0	T	0.95	0.95	0.54	5.72	6.34	1.90	1.51	0.78	0	0.39	0	0	0	18.13
KIRKVILLE	16.55	0	0	0	1.15	0.61	4.34	6.06	2.08	1.48	0.44	0	0.39	0	0	0	16.55
KPOP RADIO	-	0	0	0	0.62	-	4.44	6.39	1.85	2.08	-	0	0.35	-	0	0	-
LA FINCA ORCHARD	22.05	T	0	0	1.04	0.91	6.87	7,87	1.83	3.00	0.22	T	0.31	0	0	0	22.05
LAKE SOLANO	26.19	0	0	0	1.70	0.64	6.72	13.18	1.33	1.73	0.20	0.40	0.29	0	0	0.07	26.26
LAMB VALLEY	23.19	0	0	0.22	1.40	0.45	7.81	9.36	1.79	2.04	T	0	0.12	0	0	-	-
LINCOLN AUSTIN	21.13	0.02	0	0	1.11	1.69	6.08	7.37	1.84	2.22	0.15	0	0.65	0	0	0	21.11
LINCOLN 4 NE	20.65	T	0	0	1.07	2.68	5.15	6.79	1.61	2.43	0.20	0	0.72	0	0	0	20.65
LIVE OAK	25.27	0	0	0	1.33	0.88	7.02	9.15	2.86	3.02	0.28	0.05	0.68	0	0	0	25.27
LIVE OAK 6 SSW	22.17	0.05	0	0	0.93	1.00	6.24	8.35	1.88	3.05	0.31	T	0.36	0	0	0	22.12
LIVE OAK 2 SE	22.71	0.10	0	0	1.18	0.78	6.68	7.87	1.86	3.29	0.40	0	0.55	0	0	0	22.61
LOMA RICA	27.56	0.01	T	0	1.63	1.08	8.23	9.86	2.72	3.45	0.18	0	0.40	0	0	0	27.55
LOOMIS	23.25	T	T	T	1.16	1.81	6.09	8.41	1.83	3.26	0.07	0.02	0.60	0	0	0	23.25
LOOMIS NO. 2	21.85	0	0	0	1.24	1.76	5.51	7.66	1.84	2.99	0.17	0	0.68	0	0	0	21.85
LOOMIS 3 ENE	27.19	0	0	T	1.53	2.48	6.59	9.59	2.31	3.52	0.18	0.06	0.93	0	0	0	27.19
LOS MOLINOS 3 N	26.73	0.01	0	T	1.78	1.14	7.77	10.34	1.77	2.86	T	0.17	0.89	0	0	0.05	26.77
LOS MOLINOS 6 N	26.66	T	0	T	2.98	1.36	7.21	9.50	1.88	2.49	0.07	0.19	0.98	0	0	0.02	26.68
M & T RANCH	24.21	0	0	0	1.11	0.86	8.08	9.09	1.80	2.05	0.11	0	1.11	0	0	0	24.21
MANZANITA FIRE STATION	26.22	0.05	0	0	1.26	0.89	8.38	9.05	2.50	3.33	0.08	0	0.68	0	0	0	26.17
MARYSVILLE	22.18	0.02	0	0	1.16	0.87	6.59	8.13	1.92	2.71	0.41	0	0.37	0	0	0	22.16
MATHER AIR FORCE BASE	18.95	0.06	0	T	0.79	1.13	4.14	8.14	1.64	2.07	0.17	T	0.81	0	0	T	18.89
MAXWELL	18.70	0	0	0	0.85	0.31	6.15	7.57	2.01	0.82	0.14	0	0.85	0	0	0	18.70
MCCLELLAN AIR FORCE BASE	15.05	T	0	0.01	0.63	0.94	4.30	5.97	1.10	1.61	0.31	0.01	0.17	0	0	T	15.04
MILLS ORCHARD	24.79	T	0.05	T	1.21	0.93	7.68	9.44	1.72	2.47	0.07	0.12	1.10	0	0	0	24.74
NATOMAS FIRE STATION 2	14.94	0	0	0	0.73	0.45	4.26	5.66	1.84	1.40	0.25	0	0.35	0	0	0	14.94
NELSON WESTERN CAMP	25.24	0	0	0	1.28	0.71	8.33	8.96	2.24	2.63	0.16	0	0.93	0	0	0	25.24
NEWCASTLE FOWLER	22.12	0	0	0	1.18	1.71	5.91	7.86	1.75	3.13	0.13	0	0.45	0	0	0	22.12
NEW ENGLAND ORCHARD	19.56	0	0	0	1.17	0.37	6.09	7.35	1.65	2.55	0.12	T	0.26	0	0	0	19.56
NICOLAUS NO. 2	17.30	T	0	T	1.05	0.58	4.71	6.41	1.50	2.22	0.50	T	0.33	0	0	0	17.30
NORD	24.15	0	0	0	1.21	1.04	6.46	9.70	1.98	2.77	0.14	0.07	0.78	T	0	0.01	24.16
NORTH SACRAMENTO	20.27	0	0	0.03	0.81	1.75	5.30	7.71	1.22	2.48	0.70	0	0.27	0	0	0	20.24
ORANGEVALE	21.04	0	0	0	0.96	1.60	5.37	7.88	1.70	2.45	0.56	0	0.52	0	0	0	21.04
ORLAND FRENCH RANCH	19.78	0	0	0	0.89	0.41	5.67	7.90	1.99	2.12	0.05	T	0.75	0	0	0	19.78
ORLAND	22.31	0	0	0	1.03	0.64	6.97	8.51	1.37	2.64	0.14	0.01	1.00	0	0	0	22.31
OROVILLE	33.76	T	0	0	1.55	1.61	9.39	12.28	3.20	4.48	0.92	T	0.33	0	0	0	33.76
OROVILLE BRIDGE	33.51	T	0	0	1.60	1.72	10.19	11.95	2.78	4.16	0.76	T	0.35	0	0	0	33.51

TABLE A-2 (Cont.)
PRECIPITATION DATA

Precipitation in inches

Station Name	Total July 1 to June 30	1969						1970									Total Oct. 1 to Sept. 30
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
SACRAMENTO RIVER BASIN																	
SACRAMENTO VALLEY FLOOR A0																	
OROVILLE RANGER STATION	33.8 E	0	0	0	1.6	1.6	10.1	13.1E	2.8	3.8	0.5	0	0.3	0	0.1	0	33.9 E
PALERMO	32.02	0	0	0	1.47	1.62	8.42	12.33	3.42	3.98	0.30	T	0.48	0	0	0	32.02
PASKENTA RANGER STATION	25.36	0	0	0	1.27	0.43	7.27	11.04	1.78	2.80	0.14	0.03	0.60	0	0	0	25.36
PHELAN PARROTT RANCH	22.64	0	0	0	1.08	0.93	7.17	8.44	1.68	2.24	0.10	0	1.00	0	0	0	22.64
PHOENIX FIELD	-	0	0	0	0.77	1.44	4.23	7.16	1.56	1.99	0.29	0	-	0	0	0	-
PLAINFIELD 1 E	17.93	0	0	T	0.96	0.61	5.57	7.27	1.32	1.53	0.22	0.05	0.40	0	0	0	17.93
PLAINFIELD 2 NNW	-	-	-	-	RE												
PLAINFIELD 1 NNW	16.34	0	0	T	0.94	0.51	4.92	6.61	1.09	1.66	0.22	0.05	0.34	0	0	0	16.34
RANCHO CORDOVA	-	T	0	0.03	0.70	1.38	4.30	7.28	1.29	2.43	0.19	T	-	0	0	0	-
RANCHO CORDOVA FIRE STN	-	0	0	0	0.62	1.06	3.96	6.97	1.35	1.80	0.18	-	-	0	0	0	-
RED BLUFF OWENS RANCH	25.85	0	0	0	2.16	2.00	6.99	9.63	1.97	1.99	0.33	0.11	0.67	0	0	0	25.85
RED BLUFF 8 S	-	0.02	0	0	1.39	0.73	6.31	7.65	1.51	-	-	-	-	-	-	-	-
RED BLUFF WB AIRPORT	22.17	0.05	0	0	1.25	0.62	6.60	8.40	1.53	2.32	0.07	0.08	1.25	0	0	0.01	22.13
REDDING 5 SSE	35.85	0	0	0.12	1.64	1.39	10.44	15.79	4.09	1.51	0.11	0.13	0.63	0	0	0.01	35.74
REDDING FIRE STATION NO. 2	55.51	0	0	0.28	1.57	2.31	15.09	28.84	2.77	3.01	0.18	0.26	1.20	0	0	0	55.23
REDDING CLEAR CREEK	-	T	0	0.20	1.85	1.88	11.41	RE									
RICE EXPERIMENT STATION	-	0	0	0	0.91	0.88	7.25	7.06	RE								
RICHVALE	27.49	0.02	0	T	1.33	0.83	8.09	10.26	2.35	2.85	0.15	0	1.61	0	0	0	27.47
RIO VISTA 1 NW	18.39	0	0	0	1.36	0.38	5.62	8.00	2.00	0.92	0.11	0	0	0	0	0	18.39
RIO VISTA 5 W	18.60	0	0	0	2.00	0.30	6.15	7.45	1.55	1.15	0	0	0	0	0	0	18.60
ROBBINS	16.31	0	0	0	1.05	0.54	5.00	6.02	1.82	1.17	0.34	0	0.37	0	0	0	16.31
ROCKLIN	19.87	T	0	T	1.08	1.49	5.36	7.36	1.55	2.29	0.19	T	0.55	0	0	0	19.87
ROSEVILLE 6 W	-	-	-	-	RE												
ROSEWOOD CAPEHART	-	0	0	0	1.52	0.68	8.01	10.09	2.05	3.27	0	RE					
SACRAMENTO WB AIRPORT	17.17	T	0	0.02	0.72	0.60	4.41	7.88	1.58	1.62	0.18	T	0.16	0	0	0	17.15
SACRAMENTO WB CITY	17.71	0	0	0.03	0.80	0.81	5.36	7.05	1.45	1.83	0.14	0	0.24	0	0	0	17.68
SACRAMENTO HUFFMAN	18.27	0	0	0.03	0.77	0.64	4.89	7.87	1.30	2.15	0.21	T	0.41	0	0	0	18.24
SACRAMENTO 3 SSW	19.83	0.02	0	0.02	0.85	0.78	5.77	8.21	1.56	2.09	0.22	0	0.31	0	0	0	19.79
SACRAMENTO 6 S	18.49	0	0	0	0.68	0.75	4.66	8.64	1.37	2.11	0.21	0	0.07	RE			
SACRAMENTO REFUGE	18.31	0	0	0	0.72	1.23	5.74	7.26	1.57	1.40	0.05	T	0.34	0	0	0	18.31
SMARTSVILLE	29.84	0	0	T	1.41	1.90	8.36	10.75	2.47	4.17	0.14	0	0.64	0	0	0	29.84
STONE VALLEY	20.60	0	0	0	0.96	0.48	5.71	8.30	2.27	2.56	0	0	0.32	0	0	0	20.60
SUTTER CITY	15.89	0	0	0	0.96	0.71	5.21	6.65	1.15	1.04	0.17	0	0	0	0	0	15.89
SUTTER RANCH	24.14	0	0	0	1.70	0.87	7.73	7.74	1.94	3.30	0.53	0	0.33	-	-	-	-
THERMALITO AFTERBAY	26.40	0	0	0	1.22	1.21	8.68	9.37	2.15	2.82	0.23	0	0.72	0	0	0	26.40
TISDALE WEIR	19.02	0	0	0	1.00	0.62	5.07	6.95	2.65	1.55	0.91	0	0.27	0	0	0	19.02
TISDALE BYPASS	17.46	0	0	0	0.88	0.61	4.69	6.56	1.62	2.34	0.53	0.01	0.22	0	0	0	17.46
TOWN AND COUNTRY MITCHELL	18.10	0.04	0	0.03	0.76	0.80	4.87	7.52	1.13	2.09	0.49	T	0.37	0	0	T	18.03
VACAVILLE	27.62	0	0	0	2.22	0.45	8.36	13.03	1.68	1.36	0.28	0	0.24	0	0	1.44	29.06
VERONA	16.79	0.0[illegible]	0	T	0.89	0.51	5.75	5.23	1.23	2.04	0.76	T	0.36	0	0	0	16.77
VINA 1 NE	24.86	0	0	0	1.23	1.15	6.90	9.10	2.59	2.87	0.17	0.02	0.83	0	0	0	24.86
VINA MONASTERY	25.72	0	0	0	1.38	1.01	7.39	9.39	2.37	2.72	0	T	1.46	0	0	0.10	25.82
WEST ACRES	17.80	0.02	0	T	0.82	0.77	5.63	7.17	1.28	1.73	0.14	0.01	0.23	0	0	0	17.78
WEST CARMICHAEL	-	0.02	0	0.03	-	1.01	4.78	7.71	1.15	2.19	0.23	T	RE				
WHEATLAND 2 NE	21.02	0	0	0	1.30	0.76	6.22	7.44	1.93	2.59	0.26	0	0.52	0	0	0	21.02
WHEATLAND CALPAK	21.75	0	0	0	1.08	0.69	6.81	7.85	1.35	3.07	0.38	0	0.52	-	-	-	-
WILLIAMS	18.86	0	0	0	1.09	0.22	5.21	8.52	1.93	1.45	0.07	0	0.37	0	0	0	18.86
WILLOWS	18.59	0	0	0	0.97	0.81	5.55	7.48	1.57	1.67	0.14	T	0.40	0	0	0	18.59
WILLOWS USBR	18.85E	0	0	0	0.95	0.79	5.88	7.50	1.63E	1.65E	0.12	0	0.33	0	0	0	18.85E
WINTERS	25.81	0	0	T	1.74	0.66	6.92	12.41	1.35	2.25	T	0.09	0.39	0	0	0.10	25.91
WINTERS UDELL RANCH	26.22	0	0	T	1.88	0.56	7.49	12.04	1.45	2.31	0.08	0.05	0.36	0	0	0.25	26.47
WINTERS 3 NE	21.05	0	0	0.05	1.37	0.48	6.10	9.26	1.27	2.08	T	0.10	0.34	0	0	0.05	21.05
WINTERS 4 N	22.45	0	0	0	1.38	0.54	6.86	10.16	1.32	1.89	0.01	0	0.29	0	0	0	22.45
WINTERS LEWIS RANCH	18.60	0	0	0.08	1.33	1.00	5.24	7.41	1.31	1.75	0	0.12	0.36	0	0	0	18.52
WINTERS WOLFSKILL RANCH	24.18	0	0	T	1.64	0.53	6.50	11.69	1.22	2.15	0.01	0.09	0.35	0	0	0.10	24.28
WOODLAND 1 WNW	19.73	0.01	0	T	1.40	0.75	6.06	7.04	1.41	2.29	0.25	0.05	0.47	0	0	0	19.72
WOODLAND HOLLAND RANCH	16.84	T	0	0	1.10	0.60	5.01	7.10	1.40	1.34	T	0.02	0.27	-	-	-	-
WOODLAND 3 W	19.26	0	0	0.01	1.28	0.73	5.90	6.99	1.46	2.15	0.24	0.05	0.45	0	0	T	19.25
YOLO 2 NE	17.49	0.01	0	T	1.27	0.56	5.26	6.54	1.33	1.69	0.41	T	0.42	0	0	0	17.48
YOLO 3 NNE	18.78	0	0	0	1.48	0.55	5.52	6.86	1.64	2.00	0.38	0	0.35	0	0	0	18.78
YOLO 3 N	16.64	0	0	0	0.85	0.60	5.04	5.89	1.62	1.91	0.39	0	0.34	0	0	0	16.64
YUBA CITY	19.23	0.03	0	0	0.76	0.81	5.79	6.66	1.84	2.73	0.22	T	0.39	0	0	0	19.20
YUBA CITY 4 S	20.02	T	0	0	1.02	0.83	6.01	7.66	1.45	2.47	0.23	0.01	0.34	0	0	0	20.02
PIT RIVER A1																	
ADIN RANGER STATION	22.29	0.13	0	T	1.93	0.77	4.55	7.03	0.74	2.31	0.98	1.19	2.66	0	0	0.05	22.21
ALTURAS COPCO	14.99	0.05	T	T	1.76	0.78	2.85	3.17	0.42	1.44	0.83	0.64	3.05	T	0	0.04	14.98
ALTURAS INSPECTION STN	-	0	0	T	-	-	-	-	-	-	-	-	-	-	-	-	-
ALTURAS 7 ESE	17.61	0.12	0	0	2.38	0.90	3.39	3.76	0.48	1.85	1.40	0.98	2.35	0.03	T	0.20	17.72
ALTURAS RANGER STATION	15.20	0.09	0	T	1.77	0.70	2.85	3.65	0.59	1.46	0.84	0.64	2.61	T	0	0.17	15.28
BIEBER	-	0.25	0	0	1.85	0.93	-	7.77E	0.94	1.46	0.76E	1.40	2.50	0	0.38	0.11	-
BIEBER BABCOCK RANCH	26.48	0.33	0	0	2.00	1.05	6.29	7.47	0.87	2.06	0.98	0.83	4.60	0.08	0.40	0.48	27.11
BIEBER 4 NW	31.22	0.22	0	0	2.39	1.17	7.78	11.23	1.54	1.75	0.66	0.66	3.82	0	0.09	0.18	31.27
BUCKHORN	80.46	T	0	0.36	4.53	3.75	24.39E	33.52	4.70	4.63	0.79	0.68	3.11	0	0	0.05	80.15
BURNEY	35.66	0.06	0	0.23	3.02	1.60	10.87	11.61	2.14	2.21	0.69	0.35	2.88	0	0	0.30	35.67
CANBY 11 SW	15.51	T	0	0.20	1.55	1.50	2.43	4.06	1.31	1.32	0.70	0.59	1.85	T	0.02	0.14	15.47
CANBY RANGER STATION	19.38	0.19	0.02	0.05	1.67	0.62	4.11	5.89	0.98	1.61	0.76	0.78	2.70	0	0.01	0.25	19.38
COVE RANCH	20.37	0	0	0	2.12	0.69	4.48	6.36	1.48	1.04	0.73	0.80	2.67	0	0	0.28	20.65
DANA 2 SE	41.19	0.03	0	0.25	2.14	1.39	11.26	17.71	2.49	2.60	0.48	0.31	2.53	0	0	0.07	40.98
DAVIS CREEK	-	0.07	0.01	0.02	2.28	1.08	3.69E	-	-	-	-	-	-	-	-	-	-

TABLE A-2 (Cont.)
PRECIPITATION DATA

Precipitation in Inches

Station Name	Total July 1 to June 30	1969						1970									Total Oct. 1 to Sept. 30
		July	Aug	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
SACRAMENTO RIVER BASIN																	
PIT RIVER A1																	
DAY	33.41	0.17	0	0.16	1.73	1.00	8.73	12.42	2.60	1.53	1.02	1.14	2.91	0	0.09	0.13	33.30
FALL RIVER MILLS INTAKE	24.45	0.06	0	0	1.89	1.15	6.39	8.28	1.69	1.53	0.30	0.47	2.69	0	0	0.10	24.49
HAT CREEK RANGER STATION	31.84E	0.92	0	0.46	2.28	1.70	8.35	9.28	2.12E	1.64E	0.96	0.45	3.68	0	0	0	30.46E
HAT CREEK POWERHSE NO. 1	23.80	0.15	0	0.04	2.42	1.25	6.56	6.46	1.45	1.55	0.34	0.20	3.38	0	0	0.12	23.73
JESS VALLEY	17.95	0.16	T	0.05	2.32	0.77	2.88	3.85	0.47	1.53	2.25	1.29	2.38	0.11	0.02	0.13	18.00
LIKELY VANCE	13.81	0.14	0	0.03	0.72	0.77	2.82	3.83	0.28	1.38	1.12	0.33	2.39	0	0	T	13.64
LITTLE VALLEY	22.08	0.42	0	0	2.34	1.69	4.55	5.62	0.44	1.47	1.73	0.75	3.07	T	0.10	T	21.76
LOOKOUT 3 WSW	30.41	0.21	0	0.01	1.80	1.29	7.64	12.03	1.69	1.63	0.51	0.56	3.04	T	0.21	0.44	30.84
LOOKOUT SHAW	25.89	0.07	0	0.04	1.49	1.17	5.54	9.70	2.23	2.01	0.99	0.70	1.95	0	0.06	0.17	26.01
NEW PINE CREEK, OREGON	-	T	0	0.15	2.39	0.53	3.51	6.42	1.27	1.19	1.78	-	3.44	0	0	0.18	-
OLD STATION	29.59	0.82	0	0.07	2.38	1.53	6.50	9.28	1.94	2.10	1.18	0.76	3.03	0	0	0.06	28.76
PIT RIVER POWERHSE NO. 5	93.01	0.02	0	0.48	3.16	4.15	25.58	45.94	6.53	5.03	0.39	0.43	1.30	0	0	0	92.51
WILLOW RANCH	12.38	0.20	0.04	0.55	1.33	1.01	0.86	2.64	0.39	0.71	0.57	1.49	2.59	0.16	0	0.07	11.82
SHASTA LAKE A2																	
DUNSMUIR RANGER STATION	67.99	T	0	0.19	1.82	4.08	22.68	28.19	4.33	4.88	0.44	0.41	0.97	0	0	T	67.80
GIBSON HWY MAINT STATION	75.95	0	0	0.14	2.25	4.37	26.01	28.70	5.06	6.00	0.72	0.84	1.86	0	0	T	75.81
LAKESHORE	76.54	0.08	0	0.14	2.01	3.77	26.23	31.22	7.73	3.22	0.22	0.36	1.56	0	0	0.02	76.34
MCCLOUD	57.18	T	0	0.12	1.96	3.46	18.73	22.76	3.89	4.63	0.33	0.67	0.63	0	0	0.02	57.08
MT. SHASTA WB CITY	35.53	0.03	0	0.13	1.00	2.81	13.09	11.71	4.04	0.86	1.15	0.14	0.57	0	0	0.08	35.45
ROUND MOUNTAIN 1 NNE	76.73	0	0	0.76	3.56	3.12	27.19	30.65	3.67	5.49	0.20	0.55	1.54	-	-	-	-
SHASTA DAM	70.58	0	0	0.06	1.68	2.10	22.31	34.13	3.79	4.04	0.20	0.26	2.01	0	0	0.02	70.54
TURNTABLE CREEK	-	T	0	0.26	1.41	RE											
VOLLMERS	79.99	0	0	0.13	2.51	4.60	26.27	32.42	4.99	6.42	0.45	0.53	1.67	0	0	0	79.86
SACRAMENTO VALLEY WEST SIDE A3																	
BLACK BUTTE DAM	20.76	0	0	0	1.19	0.33	6.08	8.51	1.97	2.25	0.14	T	0.29	0	0	0	20.76
EAGLE CREEK	43.28	0.05	0	T	1.38	1.58	12.11	19.61	2.22	3.38	0.32	0.29	2.34	0	0	T	43.23
EAST PARK RESERVOIR	23.76	0	0	0	1.30	0.97	7.18	9.99	2.02	1.08	0.66	0.02	0.54	0	0	0	23.76
FLOOD RANCH	23.32	0	0	0	1.17	0.42	6.42	9.74	2.05	2.98	0.06	0	0.48	0	0	0	23.32
FLOURNOY 8 NW	31.41	0	0	T	1.40	0.52	6.15	18.12	1.85	2.85	0.22	0	0.30	0	0	RE	
FOUTS SPRING BOYS RANCH	40.84	0.09	0	0	2.06	1.12	12.12	19.27	3.79	1.63	0.55	0.02	0.19	0	0	0	40.75
FRENCH GULCH	39.64	0	0	0.03	1.49	2.61	11.92	14.72	2.46	3.79	0.70	0.46	1.46	0	0	0	39.61
HARRISON GULCH RANGER STN	41.28	T	0	0.11	3.04	1.22	12.55	17.93	2.87	2.11	0.43	0.33	0.69	0	0	0	41.17
IGO 2 W	51.77	0	0	0.02	1.48	1.65	14.30	24.83	3.44	2.83	0.62	0.21	2.39	0	0	0	51.75
MONTGOMERY PLACE	29.40	0	0	0	1.32	0.40	8.24	12.64	2.10	2.78	0.65	0.17	1.10	0	0	0	29.40
ONO	46.02E	0.10	0	T	1.66E	1.53	12.57	21.06	2.32	3.53	0.30	0.33	2.62	0	0	T	45.92E
PLATINA	40.19	0	0	0.06	2.63	1.31	8.62	20.12	2.16	2.83	0.52	0.50	1.44	0	0	0	40.13
PLATINA BURCH	44.15	T	0	0	3.42	1.38	11.96	19.19	2.75	3.34	0.64	0.42	1.05	0	0	0	44.15
STONYFORD COOLEY RANCH	65.58	T	0	T	2.89	2.19	19.19	30.44	6.96	2.16	0.86	0.29	0.60	0	0	0	65.58
STONYFORD RANGER STATION	25.06	0	0	0	1.33	0.74	7.88	11.04	2.28	1.32	0.36	0	0.11	0	0	0	25.06
STONY GORGE RESERVOIR	22.15	0	0	T	1.17	0.33	6.40	9.88	1.82	2.14	T	T	0.41	0	0	0	22.15
WHISKEYTOWN RESERVOIR	70.95	0	0	0.03	1.84	1.91	22.68	32.90	4.37	4.20	0.31	0.35	2.36	0	0	0	70.92
SACRAMENTO VALLEY NORTHEAST A4																	
CENTERVILLE POWERHOUSE	51.28	0	0	0	2.73	2.91	15.81	19.47	4.18	3.93	0.65	0.30	1.30	0	0	0	51.28
COHASSET 1 NNE	73.26	0.12	0	T	4.04	4.13	20.57	30.11	4.08	7.03	1.03	0.23	1.92	0.03	0	0.06	73.23
DALES	26.99	0.07	0	0	2.05	3.05	6.55	7.16	2.03	2.61	0.36	0.17	2.94	0	0	0.03	26.95
DARRAH FISH HATCHERY	30.93	0.01	0	0	2.80	2.46	9.97	9.56	1.72	2.83	0.25	0.28	1.05	0	0	0	30.92
DE SABLA	78.36	0.09	0	0	4.36	4.50	22.21	31.56	5.81	5.78	1.48	0.66	1.91	0.02	0	0	78.29
FOREST RANCH	74.26	0.20	0	0	4.17	4.05	22.71	28.32	4.18	6.57	1.11	0.27	2.68	0	0	0	74.06
KILARC POWERHOUSE	53.28	0.07	0	0.10	3.90	3.69	17.60	16.98	2.63	4.34	0.90	0.37	2.70	0	0	0.13	53.24
MANTON 6 E	50.93	0.10	0	T	3.24	3.67	14.34	15.61	3.40	5.07	1.82	1.09	2.59	T	0	0.01	50.84
MANZANITA LAKE	54.51	0.39	0	0.06	3.76	2.77	14.00	18.54	2.40	5.18	2.24	1.75	3.42	T	0	0.10	54.16
MINERAL	71.25	0.22	T	0.11	3.68	4.04	21.44	27.40	3.19	5.47	1.94	0.98	2.78	T	0	0.40	71.32
PALO CEDRO 2 N	-	0	0	0	0	-	13.64	24.85	2.14	5.18	0.09	0.22	1.47	0	0	0	-
PARADISE	67.30	0.03	0	0	3.56	3.64	20.93	27.34	4.06	5.30	0.84	T	1.60	0	0	T	67.27
PAYNES CREEK	35.11	0.03	0	0	2.41	3.10	11.07	11.57	2.09	2.56	0.67	0.40	1.21	0	0	0.01E	35.09E
SHINGLETOWN 2 E	52.02	0.05	0	0	4.04	3.46	14.81	20.03	2.72	3.78	0.82	0.59	1.72	0	0	0	51.97
VOLTA POWERHOUSE	40.48	0.07	0	T	3.05	2.88	12.04	13.62	2.52	3.49	0.61	0.43	1.77	0	0	T	40.41
FEATHER RIVER A5																	
BOULDER CREEK GUARD STN	-	0.62	0	T	-	-	-	-	-	-	-	-	-	0	0.54	0.15	-
BRUSH CREEK RANGER STN	89.95E	0	0	0	4.47	3.05	27.14	37.70	6.62E	7.14E	2.37	0.39	1.07	0	0	0	89.95E
BUCKS CREEK POWERHOUSE	76.48	0.02	0	0	3.53	3.97	20.97	33.21	4.89	6.11	2.05	0.85	0.88	0.02	0	0.04	76.52
BUCKS LAKE	-	0	0	0	-	-	-	28.20	4.93E	2.87E	1.20	0.80	6.30E	0.01E	0	0.01E	-
CANYON DAM	45.86	0.08	0	0	2.10	2.51	12.44	18.72	2.84	4.07	0.92	0.87	1.31	0	0	T	45.78
CARIBOU POWERHOUSE	47.92	0	0	0	1.99	2.43	13.15	19.61	2.97	4.48	1.14	0.99	1.16	0	0	0.01	47.93
CHEROKEE	54.76	0.06	0	0	3.85	3.02	16.81	20.29	7.18	2.29	0.74	T	0.52	0	0	0	54.70
CHESTER	40.11	0.08	0	0.01	2.32	1.92	9.89	15.84	3.05	3.28	0.78	0.74	2.20	0	0	T	40.02
ENTERPRISE OWID	52.31	0.12	0	0	2.62	2.18	14.36	19.97	5.20	6.25	1.02	0.07	0.52	0	0	0	52.19
FEATHER FALLS	-	0	0	0	2.8	2.3	-	20.7E	6.4	3.9	1.4	0.1	1.4	0	0	0	-
FORBESTOWN	77.75	0.07	T	0	3.82	2.58	20.76	31.77	7.99	6.83	2.13	0.22	1.58	0	0	0	77.68
FOREMAN CREEK	44.85	0.10	0	0	2.39	2.15	13.89	16.10	3.89	5.07	0.58	0.01	0.67	0	0	0	44.75
GREENVILLE RANGER STN	47.57	0	0	0.09	2.22	2.36	11.42	19.54	3.63	4.61	1.23	1.06	1.41	0	0	0	47.48
HAMILTON BRANCH POWERHSE	36.85E	0.59	0	0	1.88	1.97	9.04	12.96	2.48E	2.76E	1.04	1.25	2.88	0	0	0.05	36.31E
LAKE WILENOR	-	0.21	0	0	4.18	3.28	20.40	31.21	5.23	5.94	1.23	-	-	0	0	0.03	-

TABLE A-2 (Cont.)
PRECIPITATION DATA

Precipitation in Inches

Station Name	Total July 1 to June 30	1969						1970									Total Oct. 1 to Sept. 30
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
SACRAMENTO RIVER BASIN																	
FEATHER RIVER A5																	
LA PORTE	106.41E	0.11	0	0	6.13	4.02	27.63	46.12	8.71E	4.99E	3.54	2.11	3.05	0	0	0.25	106.55E
LOYALTON	21.01E	0.11	0	0	1.63	0.78	4.88	8.88	1.91E	0.60	1.52	0.08	0.62	1.15	0.05	0.34	22.44E
LOYALTON NO. 2	28.07	0.54	T	0.05	1.78	0.92	5.61	11.85	2.02	0.77	1.76	0.31	2.46	0.08	0.06	0.42	28.04
MOHAWK RANGER STATION	38.59	0.16	0	T	2.47	1.57	9.27	16.56	2.93	2.92	1.68	0.52	0.51	0	0	0.21	38.64
OROVILLE DAM	35.96	T	0	0	2.07	1.66	9.56	12.83	3.96	4.50	0.81	T	0.57	0	0	0	35.96
PARISH CAMP	39.82	0.01	0	0	2.16	2.34	12.48	14.20	3.03	3.94	0.64	0.04	0.98	0	0	0	39.81
PLUMAS EUREKA STATE PARK	86.05	0	0	T	5.55	3.03	21.96	36.35	4.86	5.69	3.42	1.63	3.56	0	0	0.31	86.36
PORTOLA	23.96	0	0	0.01	1.72	0.96	5.51	9.02	2.55	1.55	1.12	0.58	0.94	0	0.55	0	24.50
QUINCY RANGER STATION	51.72	T	0	T	2.57	2.45	13.68	22.10	3.29	4.34	1.64	0.89	0.76	0	0	T	51.72
SIERRAVILLE RANGER STN	31.46	0.25	0	0.01	2.28	0.85	7.54	14.07	2.04	1.30	1.72	0.10	1.30	0	0.28	0.36	31.84
STIRLING CITY RANGER STN	88.9 E	0.2	0	0	4.6	4.5	23.6E	40.1	7.9	3.6	1.8	0.8	1.8	0	0	0	88.7 E
TWAIN	44.61	0	0	0	1.69	2.11	12.59	17.22	3.76	4.55	1.46	0.48	0.75	0	0	0	44.61
VINTON	17.22	0.03	0	0.01	1.48	0.77	4.18	6.72	1.15	0.40	0.75	0.17	1.56	0.17	0	0.17	17.52
WOODLEAF OROLEVE	86.12	0	0	0	3.54	2.42	23.69	36.77	7.30	7.33	2.35	0.19	2.53	0	0	T	86.12
YUBA-BEAR RIVERS A6																	
BANGOR FIRE STATION	36.47	0.04	0	0	1.80	1.78	10.28	13.28	3.37	4.77	0.56	0.05	0.54	0	0	0	36.43
BEAR RIVER HEAD DAM	-	0.10	0	0	3.42	3.06	-	-	-	-	-	-	-	-	-	-	-
BIG BEND RANGER STATION	82.72	T	T	0.01	6.45	3.98	19.86	36.25	3.65	4.96	3.54	0.84	3.18	0	0	0	82.71
BOWMAN DAM	84.48	0.11	0	0.04	6.45	3.67	21.31	37.33	4.73	4.23	3.78	1.10	1.73	0	0	0.24	84.57
CAMPTONVILLE RANGER STN	68.63	T	0	0	4.28	2.62	17.12	30.96	4.98	5.39	1.72	0.16	1.40	0	0	T	68.63
CHALLENGE RANGER STATION	80.60	0.02	0	0	3.30	2.66	22.67	33.67	6.84	7.37	1.87	0.36	1.84	0	0	0	80.58
CLIPPER GAP	44.20	0	0	0	3.14	2.64	12.06	16.41	3.79	4.13	0.85	0.04	1.14	0	0	0	44.20
COLGATE POWERHOUSE	46.70	T	0	T	2.50	2.02	13.02	17.33	4.72	5.04	0.88	T	1.19	0	0	0	46.70
DEER CREEK POWERHOUSE	-	0.01	0	0.06	5.18	4.21	RE										
DEER CREEK FOREBAY						RB	21.12	34.86	4.66	6.85	2.88	0.45	1.43	0	0	0	-
DOBBINS F F S	55.51	0.02	0	T	2.71	2.30	16.59	21.69	4.39	5.52	1.18	0.05	1.06	0	0	0	55.49
DOBBINS 1 S												RB	1.47	0	0	0	-
DOBBINS COLGATE	-	T	0	T	2.82	2.25	14.17	18.99	4.76	5.00	0.80	0.07	RE				
DOWNIEVILLE RANGER STN	71.26	0.12	0	0	4.99	3.87	17.27	28.76	5.03	6.26	2.52	0.98	1.46	0	0	0.27	71.41
DRUM FOREBAY	-	0.01	0	0.05	RE												
DRUM POWERHOUSE	-						RB	29.56	4.70	5.83	-	0.45	1.20	0	0	0.18	-
FRENCH CORRAL	42.95	0.03	0	0	2.28	2.51	11.56	15.66	3.42	5.62	0.87	T	1.00	0	0	0	42.92
GRASS VALLEY NO. 2	55.86	0.01	T	T	3.14	3.17	15.91	21.76	4.11	5.38	0.93	0.10	1.35	0	0	0	55.85
H. L. ENGLEBRIGHT DAM	35.47	T	0	0	1.70	2.01	9.82	12.83	3.10	5.18	0.22	T	0.61	0	0	0	35.47
HIDDEN VALLEY RANCH	35.80	T	0	T	2.27	2.43	9.33	12.65	3.27	3.75	1.06	T	1.04	0	0	0	35.80
INDIAN ROCK	73.33	0	0	0	3.42	3.11	21.93	29.06	5.40	7.30	1.87	0.07	1.17	0	0	0.09	73.42
LAKE SPAULDING	77.84	T	T	0.13	6.38	3.37	19.31	33.17	4.89	4.49	3.90	0.78	1.42	0	0	0.24	77.95
LAKE SPAULDING DAM	-	T	T	0.09	-	-	-	-	-	-	-	-	1.38	0	0	0.26	-
NEVADA CITY	58.46	0.02	T	T	2.90	3.83	15.58	22.57	4.99	6.02	1.34	0.13	1.08	0	0	0	58.44
NEVADA CITY RANGER STN	58.59	0	0	0	2.89	3.52	15.34	24.31	6.66	3.17	1.15	0.08	1.47	0	0	0	58.59
NORTH BLOOMFIELD	-	0	0	0	2.8	-	13.9	-	-	-	2.2	0.3	1.1	0	0	0	-
NORTH SAN JUAN	52.57	0	T	0	3.22	2.66	14.77	20.96	3.91	5.23	0.86	0.02	0.94	0	0	T	52.57
NORTH SAN JUAN 4 NE	59.16	T	T	0	3.27	2.97	16.35	24.10	3.97	5.77	1.58	0.13	1.02	0	0	T	59.16
RACKERBY	-	0	0	0	2.02	1.96	12.86	14.35	3.97	6.18	0.75	0.08	-	0	0	0	-
RUSSELL RANCH	67.91	0.13	0	0	3.42	2.79	18.20	26.93	7.09	6.34	1.83	0.10	1.08	0	0	0	67.78
SCALES	-	T	0	T	5.66	4.55	-	-	-	10.70	10.82	0.98	4.70	0	0	0.10	-
SHADY CREEK	41.57	T	T	T	2.45	2.44	11.98	14.72	2.86	5.12	1.04	0.02	0.94	T	0	T	41.57
SIERRA CITY	78.21	T	T	0.03	5.54	3.41	20.33	33.49	4.83	4.79	3.28	1.00	1.51	0	0	0.40	78.58
SODA SPRINGS 1 E	-	0	0	0.21	5.31	3.08	15.08	24.21	3.66	4.59	4.22	0.80	-	-	-	-	-
STRAWBERRY VALLEY	95.41	T	T	T	4.60	3.59	25.75	42.62	7.52	6.25	2.41	0.38	2.29	T	0	T	95.41
WASHINGTON RIDGE	58.23	0.03	0	0	3.63	4.08	11.16	25.58	4.32	5.90	2.44	0.24	0.85	0	0	0.05	58.25
WASHINGTON	64.54	0.31	T	0.06	3.58	3.38	16.69	27.00	5.43	4.24	2.37	0.51	0.97	T	0	0.07	64.24
WEIMAR 1 W	45.81	T	0	T	3.56	2.81	12.43	17.13	3.66	4.57	0.74	0.05	0.86	0	0	0	45.81
WOLF MOUNTAIN	47.75	0	0	0	3.27	3.24	13.55	17.85	4.90	2.97	0.52	0.07	1.38	0.01	0.14	0	47.90
AMERICAN RIVER A7																	
APPLEGATE	52.77	0	0	0	3.79	3.08	13.89	19.74	4.55	4.70	0.99	0.09	1.94	0	0	0	52.77
AUBURN	36.60	T	0	0	2.43	2.07	10.01	13.66	2.81	4.02	0.47	0.02	1.11	0	0	0	36.60
BLODGETT EXPERIMENT FOREST	75.08	0.30	0	0.19	6.15	3.54	18.55	31.14	5.29	4.93	3.01	0.08	1.90	0	0	0	74.59
BLUE CANYON WB AIRPORT	79.42	0.15	0	0.11	6.96	3.60	19.38	33.86	4.73	4.82	3.59	0.76	1.46	0	0	0.18	79.34
COLFAX	50.13	0.08	0	0	3.24	3.28	13.26	19.69	3.77	4.68	1.08	0	1.05	0	0	0	50.05
COLFAX FIRE STATION	44.31	T	0	T	2.91	1.36	12.32	17.60	3.25	4.74	1.17	0.11	0.85	0	0	0	44.31
COLOMA	31.51	0.10	0	0.04	1.76	2.74	7.29	11.36	2.59	3.93	0.94	T	0.76	T	0	0.02	31.39
COOL	33.52	0	0	0.02	2.01	2.56	8.96	12.16	2.82	3.39	0.59	0.05	0.96	0	0	0	33.50
EL DORADO F F S	38.66	0.11	0	0.04	2.03	2.54	8.70	15.76	3.13	4.48	0.95	0	0.92	0	0	0	38.51
FOLSOM DAM	22.64	0	0	0	0.96	2.23	6.46	7.63	1.46	2.79	0.29	T	0.82	0	0	0	22.64
FORESTHILL RANGER STN	55.95	0.10	0	0.02	4.03	4.00	13.51	22.46	4.05	4.72	1.41	0.22	1.43	0	0	0	55.83
FRESH POND	52.90	0.10	0	0.18	4.54	3.29	13.45	20.84	2.45	4.60	1.98	0	1.47	0	0	0	52.62
GARDEN VALLEY 2 S	39.01	0.36	0	0.05	2.45	3.11	8.99	14.24	2.93	4.44	1.19	0.01	1.24	0	0	0	38.60
GEORGETOWN RANGER STN	62.89	0.22	T	0.09	4.39	2.95	15.78	25.93	4.51	5.81	2.00	0.07	1.14	0	0	0	62.58
GOLD RUN	63.51	0.03	0	T	5.03	3.38	15.61	26.70	4.35	5.01	1.88	0.24	1.28	0	0	0.04	63.52
HELL HOLE	52.2 E	0.2	0	0.2	4.2	3.2	14.2	20.4E	3.2	2.4	2.4	0.3	1.5	0	0	0.2	52.0 E
IOWA HILL	56.36	0.20	T	0.03	4.55	3.48	13.35	23.02	3.31	5.48	1.41	0.21	1.32	0	0	0.02	56.15
JAY BIRD POWERHOUSE	63.30	0.14	0	0.27	4.94	3.57	14.43	26.00	4.33	4.90	2.96	0	1.76	0	0	0	62.89
KYBURZ STRAWBERRY	52.61E	0.42	0	0.48	4.30	3.21	12.68	19.38E	4.02E	1.77E	3.00	0.26	3.09	0.13	0	0.05	51.89E
LONG VALLEY ORCHARD	-	0	0	T	1.54	2.46	6.85	RE									
MICHIGAN BLUFF	46.62E	0.23	0	0.05	4.07	3.12	10.47	18.69	3.42E	3.57E	1.63	0.29	1.08E	0	0	0	46.34E
MOUNT DANAHER	48.40	0.18	0	0.17	3.26	3.84	10.75	19.51	3.10	4.00	2.13	0.02	1.44	0	0	0	48.05

TABLE A-2 (Cont.)
PRECIPITATION DATA

Precipitation in Inches

Station Name	Total July 1 to June 30	1969						1970									Total Oct. 1 to Sept. 30
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
SACRAMENTO RIVER BASIN																	
AMERICAN RIVER A7																	
PACIFIC HOUSE	49.80	0	0	0.18	3.81	3.14	10.30	19.43	4.24	4.54	2.60	0	1.56	0	0	0	49.62
PEAVINE RIDGE	51.78	0.10	0	0.28	5.64	2.61	10.59	20.81	3.56	3.36	2.85	0	1.98	0	0	0	51.40
PLACERVILLE	42.35	0.47	T	0.06	2.68	3.21	9.67	16.20	3.31	4.43	1.23	T	1.09	0	0	0.01	41.83
PLACERVILLE I F G	43.93E	0.12	T	0.09	2.60	3.41	9.77	17.89	3.11E	4.46E	1.28	0	1.20	0	0	T	43.72E
PLACERVILLE DISPOSAL PLT	38.6	0.3	0	0.1	2.0	2.8	9.7	14.2	3.4	4.3	1.0	0	0.8	0	0	0.1	38.3
REPRESA	18.76	0	0	T	0.93	1.80	4.56	7.00	1.68	1.91	0.23	0	0.65	0	0	0	18.76
ROBBS PEAK POWERHOUSE	61.0	0.1	0	0.1	4.0	3.6	14.8	25.8	3.5	3.8	3.5	0.2	1.6	0	0	0	60.8
TODD VALLEY	-	0.16	T	0.02	3.08	2.70	12.56	20.60	-	-	-	-	-	-	-	-	-
TWIN LAKES	54.44	0.56	0	0.63	4.08	4.04	11.13	18.17	5.22	1.44	3.80	0.15	5.22	0.03	0	0.09	53.37
UNION VALLEY	60.88	0.10	0	0.13	4.74	3.17	15.66	25.44	2.92	3.82	3.03	0	1.87	0	0	0	60.65
CACHE CREEK A8																	
ADOBE CREEK	52.42	0	0	0	2.54	1.37	17.62	21.83	5.33	3.17	0.22	0	0.34	0	0	0	52.42
BROOKS FARNHAM RANCH	21.47	0	0	T	1.39	0.64	6.98	8.01	2.39	1.59	0.26	T	0.21	0	0	0.07	21.54
CAPAY 4 W	-	0	0	0.02	1.30	0.78	7.43	9.89	1.76	3.47	0.13	0	RE				
CLEARLAKE HIGHLANDS	28.30	0	0	0	1.67	0.69	9.11	11.97	2.80	1.58	0.08	0	0.40	0	0	0	28.30
COBB	94.29	0	0	0	3.17	2.34	31.53	42.90	8.50	4.79	0.57	0.24	0.25	0	0	0	94.29
COBB 2 NW	66.30	0	0	0	1.97	2.37	21.37	28.54	6.62	4.63	0.41	0.14	0.25	0	0	0	66.30
CUNNINGHAM	40.80	0	0	0	2.11	1.29	13.08	17.24	4.01	2.18	0.44	0.10	0.35	0	0	0	40.80
FINLEY 1 SSE	35.24	0	0	0	2.01	1.10	11.21	14.88	3.28	2.09	0.29	0.05	0.33	0	0	0	35.24
FINLEY 5 SW	-	0	0	0	RE												
H BAR H RANCH	-	0	0	0	2.34	0.94	18.87	24.20	5.93	1.54	0.07	RE					
HIGH VALLEY MITCHELL	-	T	0	T	2.07	1.40	11.38	RE									
HOBERGS	68.43E	0	0	0	2.06	2.10	22.57	30.72	6.77	3.52	0.25E	0.19	0.25	0	0	0	68.43E
HOPLAND 8 NE	-	0	0	0	-	-	-	-	-	-	0.65	0.29	0.70	0	0	0	-
KELSEYVILLE	33.15	0	0	0	1.70	1.09	10.54	13.38	3.15	2.57	0.31	0.05	0.36	0	0	0	33.15
KELSEYVILLE 2 N	31.46	0	0	0	1.83	0.90	10.58	12.38	2.94	1.99	0.38	0.08	0.38	0	0	0	31.46
LAKEPORT	38.94	0	0	T	2.74	1.14	11.10	17.46	3.43	2.29	0.36	0.07	0.35	0	0	0	38.94
LAKEPORT 3 W	45.17	0	0	0	3.20	1.49	12.50	20.31	4.18	2.58	0.49	0.08	0.34	0	0	0	45.17
LAKEPORT US SCS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEESVILLE KEEGAN RANCH	27.72	0	0	0	1.56	0.56	8.84	12.38	2.47	1.40	0.30	0	0.21	0	0	0	27.72
LONG VALLEY GARNER	39.23	0	0	0	2.00	1.11	11.67	18.15	3.49	1.97	0.34	0.15	0.35	0	0	0	39.23
LOWER LAKE	35.79	0	0	T	1.71	0.67	12.42	14.80	3.64	2.02	0.07	0.01	0.45	0	0	0	35.79
MAHNKE	56.02	0	0	0.19	1.59	2.05	17.55	24.94	6.90	1.93	0.51	0.11	0.25	0	0	0	55.83
MORGAN VALLEY STANLEY	45.02	T	0	0	1.50	0.95	14.35	19.34	4.46	3.28	0.44	0.11	0.59	T	0	0.02	45.04
RUMSEY 1 NW	29.98	0	0	0	1.46	0.52	9.22	12.50	3.04	2.36	0.48	0.09	0.31	0	0	0.05	30.03
UPPER LAKE 7 W	50.24	0	0	0.02	2.37	2.04	13.41	22.49	5.60	2.70	0.89	0.29	0.43	0	0	0	50.22
WINTERS SCOTT RANCH	27.72	0	0	0.03	1.67	0.56	8.56	12.22	2.34	1.90	0.13	0.07	0.24	0	0	0.20	27.89
PUTAH CREEK A9																	
BERRYESSA LAKE	29.38	T	0	0.02	1.72	1.14	8.09	12.59	2.69	2.58	0.42	T	0.13	RE			
MARKLEY COVE								RB	2.30	2.26	0.16	0	0.14	0	0	0	-
MIDDLETOWN	58.42	T	0	T	3.31	1.36	18.35	26.90	4.66	3.10	0.42	0.11	0.21	0	0	0	58.42
MIDDLETOWN 4 WSW	86.37	0	0	0	3.90	2.40	28.36	36.72	9.02	4.59	0.76	0.22	0.40	0	0	0	86.37
MONTICELLO DAM	-	0.02	0	0	1.33	0.85	7.36	-	RE								
PLEASANTS VALLEY	31.02	0	0	0	1.97	0.58	8.13	15.84	1.94	2.26	0.04	T	0.26	0	0	0	31.02
POPE VALLEY 2 E	-	0	0	0	-	-	-	-	-	3.08	0.36	0.01	0.20	0	0	0	-
SAINT HELENA 7 NE	41.66E	0	0	0	2.80	1.81	11.86	19.14	3.13E	2.40E	0.22E	0	0.30	0	0	0	41.66E
AN JOAQUIN RIVER BASIN																	
AN JOAQUIN VALLEY FLOOR B0																	
BELLOTA ANDERSON	17.26	0	0	0.36	1.05	1.12	3.20	6.37	1.30	3.26	0.35	0	0.25	-	-	-	-
BUENA VISTA	20.15	0.03	0	0.02	1.28	2.30	3.99	6.49	1.40	3.23	1.12	0.01	0.28	-	-	-	-
CAMANCHE NORTH STATION	16.42	0	0	0.11	0.82	1.78	3.41	5.20	1.29	2.82	0.81	0	0.18	0	0	0.03	16.34
CAMANCHE SOUTH STATION	18.76	0	0	0.08	0.99	1.61	3.94	6.55	1.29	3.37	0.66	0	0.27	0	0	0.02	18.70
CENTRAL VALLEY HATCHERY	17.46	0	0	0.09	0.77	0.80	4.32	7.19	1.51	2.12	0.44	0	0.22	0	0	T	17.37
CLAY 1 NW	14.96	0	0	0.06	0.79	0.81	3.90	5.54	1.55	1.64	0.43	0	0.24	-	-	-	-
CLEMENTS	16.96	0	0	0.18	0.86	1.23	3.99	5.69	1.17	2.92	0.72	0	0.20	-	-	-	-
ELLIOTT	18.20	0	0	0.24	1.29	0.93	4.64	6.53	1.54	2.36	0.47	T	0.20	0	0	0.07	18.03
ESCALON SWANSON		0	0	0.32	-	-	-	-	-	-	-	-	-	-	-	-	-
GALT	18.14	T	0	0.26	0.85	0.91	4.87	7.07	1.44	2.15	0.34	0	0.25	0	0	0.01	17.89
HERALD FIRE STATION	19.46	0	0	0	0.86	1.02	5.23	7.95	1.67	2.22	0.26	0	0.25	0	0	0	19.46
HUNT RANCH	16.54	0	0	0.19	0.99	1.61	2.80	6.59	0.80	3.02	0.32	0.01	0.21	0	0	0.04	16.39
IONE	21.13	0	0	0.02	1.32	2.19	4.51	7.16	1.36	3.30	0.95	0	0.32	0	0	0.14	21.25
IONE 2 NW	24.72	0.03	0	T	1.50	2.32	4.63	8.95	3.20	2.58	1.21	0	0.30	-	-	-	-
JENNY LIND 3 SW	16.51	T	T	0.20	1.05	1.40	2.55	6.53	1.28	2.95	0.36	T	0.19	0	0	0.07	16.38
LINDEN FIRE STATION	14.25	0	0	0.44	0.89	0.93	2.59	5.39	1.26	2.68	0.01	0	0.06	0	0	0	13.81
LINN RANCH	16.50	0	0	0.27	0.81	1.05	3.35	6.07	1.27	3.03	0.43	0.01	0.21	0	0	0	16.23
LOCKEFORD	17.90	T	0	0.33	1.20	0.95	4.07	6.47	1.32	2.95	0.44	T	0.17	0	0	0.06	17.63
LOCKEFORD 5 ESE	18.00	T	0	0.20	0.96	1.24	3.69	6.55	1.37	3.04	0.76	T	0.19	T	0	0.06	17.86
LODI	16.83	0.02	0	0.39	0.98	0.91	3.98	6.52	1.46	2.11	0.25	0.01	0.20	0	0	0.02	16.44
LODI 3 W	16.45	0	0	0.10	1.12	0.81	3.93	6.70	1.25	2.01	0.34	0	0.17	-	-	-	-
LODI THOMPSON RANCH	15.92	0	0	0.32	0.92	0.83	4.14	6.23	1.34	1.84	0.12	0	0.18	-	-	-	-
MANTECA	11.12	0	0	0.36	0.77	0.66	1.48	4.80	0.74	2.01	0.26	T	0.04	0	0	0	10.76
MARSHALL RANCH	16.67	0	0	0.47	1.00	0.66	3.66	6.50	1.17	2.86	0.15	T	0.20	-	-	-	-
MILTON	19.60	0	0	0.05	1.22	1.92	3.32	7.37	1.34	3.61	0.43	0	0.34	-	-	-	-

TABLE A-2 (Cont.)
PRECIPITATION DATA

Precipitation in Inches

Station Name	Total July 1 to June 30	1969						1970									Total Oct. 1 to Sept. 30
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
SAN JOAQUIN RIVER BASIN																	
SAN JOAQUIN VALLEY FLOOR B0																	
OSPITAL RANCH	-	0	0	0	1.10	1.80	2.90	5.70	1.30	2.80	0.50	0	-	-	-	-	-
SACRAMENTO COUNTY BOYS RCH	17.94	0	0	0	0.76	1.61	4.48	7.73	1.04	1.73	0.29	0	0.30	0	0	0	17.94
SLOUGHHOUSE 1 SW	21.66	0	0	0.08	0.83	1.40	5.74	8.75	2.03	2.25	0.33	0	0.25	0	0	0	21.58
SNOW RANCH	18.48	0	0	0.15	1.38	2.20	3.17	6.33	1.20	3.18	0.55	0	0.32	-	-	-	-
STOCKTON WB AIRPORT	16.38	0	0	0.22	1.07	0.60	2.43	7.06	1.42	2.56	0.95	T	0.07	0	0	T	16.16
STOCKTON FIRE STATION 4	14.93	0	0	0.29	1.08	0.74	2.99	6.55	1.30	1.35	0.50	T	0.13	0	0	0	14.64
VALLEY SPRINGS 6 SW	17.37	0	0	0.05	0.97	1.80	2.91	6.12	1.57	3.06	0.59	0	0.30	0	0	0.02	17.34
WALLACE 1 SE	21.25	T	0	0.12	1.09	1.88	5.04	6.60	1.49	3.40	1.38	0.01	0.24	0	0	0.01	21.14
WOODBRIDGE FIRE STATION 1	15.33	0	0	0.30	0.84	0.89	4.04	5.86	1.34	1.88	0.14	0	0.04	-	-	-	-
WOODBRIDGE FIRE STATION 2	13.86	0	0	0.35	0.73	0.85	3.16	5.54	1.12	1.78	0.20	0	0.13	-	-	-	-
YOUNGSTOWN	16.17	0	0	0.41	0.95	0.86	4.06	5.90	1.70	2.16	0.08	0	0.05	-	-	-	-
COSUMNES RIVER B1																	
CEDARVILLE TREE FARM	-	T	T	0.24	2.87	4.18	8.97	RE									
D'AGOSTINI WINERY	34.62	0.08	0	0.05	2.03	3.50	7.11	11.80	3.34	3.96	1.68	T	1.07	0	0	0	34.49
DIAMOND SPRINGS	41.64	0.33	0	0.06	2.32	3.17	10.27	15.82	3.05	4.25	1.26	T	1.11	0	0	0.02	41.27
DRYTOWN VAIRA RANCH	26.17	0	0	0	1.45	2.90	5.34	8.67	2.86	2.97	1.43	0	0.55	0	0	0	26.17
FIDDLETOWN LYNCH RANCH	39.66	0	0	0.23	2.78	3.78	8.51	13.44	2.67	4.84	2.31	T	1.10	0	0	0	39.43
LEHMAN RANCH	29.10	T	0	0.04	1.47	2.19	7.09	10.22	3.72	2.94	0.76	0.01	0.66	0	0	0	29.06
LOGTOWN RIDGE	34.71	0.13	0	0.14	2.15	2.70	8.24	12.53	2.67	4.23	0.87	0	1.05	0	0	0	34.44
PINE GROVE CONS CAMP	44.02	0	0	0.25	3.49	3.60	10.06	14.47	3.47	5.34	2.11	0	1.23	0	0	0.25	44.02
PLYMOUTH 3 NE	31.38	0.10	0	0	1.84	3.08	6.32	9.70	3.22	4.46	1.68	0	0.98	0	0	0	31.28
PLYMOUTH 6 WNW	25.03	T	T	T	1.41	2.42	5.74	8.16	2.13	3.13	1.55	0.01	0.48	0	0	0	25.03
RIVER PINES	37.11	T	0	0.09	2.05	3.52	7.73	12.91	3.40	4.48	1.84	0.02	1.07	0	0	0	37.02
SHINGLE SPRINGS	38.86	0.08	0	0.04	2.11	2.63	10.06	14.90	3.27	3.75	1.11	0	0.91	0	0	0	38.74
SLY PARK	53.96	T	0	0.12	4.32	3.79	11.51	21.79	4.05	4.97	1.96	T	1.45	0	0	0	53.84
SOMERSET 5 ESE	39.84	0.01	0	0.23	2.49	3.74	8.10	14.09	3.80	4.60	1.54	0.01	1.23	0	0	0	39.60
MOKELUMNE-CALAVERAS RIVERS B2																	
ALTAVILLE C D F	31.38	0	0	0.05	2.68	3.10	4.50	12.42	2.15	3.68	1.57	T	1.23	0	0	0.09	31.42
CALAVERAS BIG TREES	62.24	0	0	0.69	6.62	3.53	11.75	23.17	4.84	5.11	4.25	T	2.28	0	0	0	61.55
CAMP PARDEE	22.07	0	0	0.04	1.84	2.49	4.30	6.70	1.62	3.19	1.57	0	0.32	0	0	0.05	22.08
DOUBLE SPRINGS RANCH	23.49	0	0	0.16	1.08	3.15	4.02	6.68	2.12	3.96	1.80	0	0.52	0	0	0	23.33
ELECTRA POWERHOUSE	33.21	0	0	0.07	2.41	3.17	6.64	10.06	2.61	4.29	2.70	0	1.26	0	0	0.14	33.28
HOGAN DAM	20.38	T	0	0.01	1.28	2.08	3.46	6.67	1.81	3.72	0.98	T	0.37	0	0	0.06	20.43
JACKSON 1 NW	29.23	0.01	0	0.05	2.20	3.17	6.15	9.52	2.21	3.30	1.70	0.01	0.91	0	0	0.22	29.39
MOKELUMNE HILL	34.46	0.02	0	0.18	2.63	3.43	6.45	10.46	2.57	4.52	3.18	0.01	1.01	0	0	0.30	34.56
MOKELUMNE HILL 5 E	34.31	0.03	T	0.16	2.61	3.03	5.56	10.91	2.99	4.58	3.01	0.08	1.35	T	0	0.14	34.26
MOUNTAIN RANCH 2 NW	47.76	0.08	0	0.16	5.76	3.85	8.82	15.65	4.04	4.34	3.46	T	1.60	0	0	0.18	47.70
MURPHYS 2 N	40.70	0	0	0.33	3.68	3.48	6.88	14.69	3.42	4.27	2.42	0	1.53	0	0	0.15	40.52
PRESTON SCHOOL	23.26	0.04	0	0	1.27	2.30	5.52	7.43	2.31	3.30	0.90	T	0.19	0	0	0.50	23.72
RAILROAD FLAT	43.14	0	0	0.28	4.16	3.37	8.00	14.33	3.92	4.57	2.97	0.02	1.52	0	0	0.08	42.94
RAILROAD FLAT A D R	-	0	0	0	4.3	3.2	7.5	13.7	4.0	3.7	2.8	0	-	-	-	-	-
SALT SPRINGS POWERHOUSE	52.85	0	0	1.01	4.26	4.00	9.58	19.32	4.34	3.68	3.83	0.06	2.77	0	0	0	51.84
SAN ANDREAS	31.92	T	0	0.12	2.75	2.95	6.11	9.54	3.07	4.15	2.31	T	0.92	0	0	0.20	32.00
SAN ANDREAS 2 S	31.96	0	0	0.01	2.94	2.83	6.57	10.82	2.39	3.50	2.02	0	0.88	0	0	0.09	32.04
SAN ANDREAS RANGER STN	31.67	T	0	0.19	2.87	2.92	6.26	9.54	2.63	3.81	2.31	0	1.14	0	0	0.15	31.63
SHEEP RANCH	-	0	0	0	4.4	3.2	6.1	12.9	3.3	4.6	2.7	0	-	-	-	-	-
SUTTER HILL RANGER STN	31.75	0	0	0.10	2.02	3.27	6.84	10.57	2.17	3.95	1.88	T	0.95	0	0	0.21	31.86
TIGER CREEK POWERHOUSE	53.49	0	0	0.59	4.78	3.08	10.89	20.66	4.15	4.38	2.84	0	2.12	0	0	0.04	52.94
VALLEY SPRINGS	21.45	0	0	0	1.53	2.58	4.22	6.58	1.90	3.30	0.99	0	0.35	0	0	0.08	21.53
WEST POINT				RB	4.13	2.86	7.78	14.29	3.13	3.70	3.01	T	2.03	0	0	0.05	40.98
WILSEYVILLE SCHAADS	45.92	0	0	0.64	4.13	5.40	8.88	15.34	3.59	3.22	2.81	0.10	1.81	0	0	0.03	45.31
SAN JOAQUIN VALLEY WEST SIDE B8																	
ALTAMONT 4 E	11.25	0	0	T	0.80	0.39	1.88	5.41	0.70	1.42	0.35	0	0.30	0	0	0	11.25
ANTIOCH PUMPING PLANT 3	11.61	0	0	T	1.25	0.51	2.85	4.71	0.45	1.27	0.40	T	0.17	0	0	0.05	11.66
BRENTWOOD 6 SW	16.40	0	0	0	1.72	0.60	3.96	6.71	1.26	1.36	0.58	0	0.21	0	0	0	16.40
CASTLE ROCK RADIATION LAB	8.91	0	0	0.09	0.80	0.62	1.05	4.04	0.54	1.42	0.35	0	0	0	0	0	8.82
KERLINGER	6.91	0	0	0.19	0.79	0.48	0.57	3.37	0.32	0.97	0.19	0	0.03	0	0	0	6.72
MOUNTAIN HOUSE	11.20	0	0	T	0.83	0.35	1.74	5.53	0.69	1.43	0.44	0	0.19	0	0	0	11.20
PITTSBURG DOW CHEMICAL	-	0	0	0.02	1.04	0.26	3.09	4.65	0.63	0.71	-	-	0.17	0	0	0	-
SACRAMENTO-SAN JOAQUIN DELTA B9																	
ANTIOCH FIBREBOARD	14.01	0	0	0	3.59	0.49	2.89	5.10	0.51	1.09	0.17	T	0.17	0	0	0.05	14.06
BRANNAN ISLAND	16.84	0	0	T	1.64	0.37	4.49	7.31	1.27	1.34	0.26	0	0.16	0	0	0.08	16.92
BRENTWOOD	12.81	0	0	T	1.24	0.61	2.71	5.24	0.61	1.76	0.37	0	0.27	0	T	0	12.81
CLARKSBURG	16.92E	T	0	0.11	0.76	0.63	4.42	7.76	1.71E	1.27E	0.08	0	0.18	0	0	0	16.81E
DIXON VOICE OF AMERICA	17.74	0	0	0	1.05	0	5.16	7.97	1.13	1.96	0.22	0	0.25	0	0	0	17.74
GRAND ISLAND R. D. 3	-	0	0	0	1.14	0.33	3.86	8.38	1.51	1.53	-	-	0.13	0	0	0	-
HOLT 2 ESE	14.20	0	0	0.11	1.18	0.60	2.33	6.36	1.25	1.63	0.63	0	0.11	0	0	0	14.09
RIO VISTA	17.77	0	0	T	1.06	1.21	5.34	7.49	1.59	0.92	0.05	0	0.11	0	0	0.16	17.93
RIO VISTA 4 NW	15.44	0	0	0	1.00	0.37	5.28	6.39	1.70	0.70	0	0	0	0	0	0	15.44
STOCKTON DISPOSAL PLANT	15.08E	0	0	0.15	1.81	0.76	2.14	6.05E	1.37	2.02	0.71	0	0.07	0	0	0	14.93
TRACY FIRE STATION	7.53	0	0	0.18	0.53	0.45	0.94	3.33	0.53	0.96	0.58	0	0.03	0	0	0	7.35
TRACY SOUTHERN PACIFIC	8.00	0	0	0.14	0.58	0.48	1.08	3.85	0.54	1.17	0.12	0	0.04	0	0	0	7.86
TRACY 2 SSE	7.47	0	0	0.28	0.56	0.51	0.92	3.51	0.49	0.97	0.18	0	0.05	0	0	0	7.19

TABLE A-2 (Cont.)

PRECIPITATION DATA

Precipitation in Inches

Station Name	Total July 1 to June 30	1969						1970									Total Oct. 1 to Sept. 30
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
SAN JOAQUIN RIVER BASIN																	
SACRAMENTO-SAN JOAQUIN DELTA B9																	
TRACY CARBONA	7.33	0	0	0.31	0.53	0.54	0.82	3.52	0.42	0.97	0.16	0.02	0.04	0	0	0	7.02
TRACY PUMPING PLANT	11.99	0	0	0.04	0.95	0.36	1.97	5.40	1.70	1.17	0.21	0	0.19	0	0	0	11.95
UNION ISLAND	11.63	0	0	T	0.73	0.58	1.78	5.55	1.13	1.66	0.10	T	0.10	-	-	-	-
WALNUT GROVE	15.36	0	0	0	0.89	0.63	4.07	6.45	1.51	1.43	0.27	0.06	0.05	0	0	0	15.36
WALNUT GROVE LEARY	-	0	0	0.15	0.99	0.71	4.78	7.23	2.24	-	-	-	-	-	-	-	-
NORTH LAHONTAN AREA																	
SURPRISE VALLEY G1																	
CEDARVILLE	18.01	0.22	0	0.20	2.95	0.74	3.81	4.14	0.48	1.05	1.35	0.76	2.31	0.13	0	0.53	18.25
CEDARVILLE HANSEN	10.68	0.42	0	0.06	1.83	0.34	2.05	2.30	0.36	0.72	0.65	0.47	1.48	0.08	0	0.36	10.64
CEDARVILLE 12 SE	10.55	0.57	0	T	1.52	0.20	1.28	2.51	0.31	0.88	1.00	0.31	1.97	0.14	RE		
EAGLEVILLE 2 SE	12.72	0.07	0.05	0.11	1.71	0.45	3.04	3.43	0.35	1.44	0.79	0.49	0.79	0	0	0.11	12.60
FORT BIDWELL	18.76	T	0	0.04	2.66	0.84	3.72	5.12	1.20	1.04	1.17	0.91	2.06	T	T	0.38	19.10
MADELINE PLAINS G2																	
MADELINE HWY MAINT STN	12.39E	0.50	0.01	0.08	0.65	0.50	1.00E	3.30E	0.70E	1.34E	1.20	0.60E	2.51E	0	0	0	11.80E
RAVENDALE JIM MARR	12.79	0.42	0	0	1.54	0.48	2.18	3.27	0.34	1.12	0.41	0.74	2.29	0	0	0	12.37
RAVENDALE 5 ESE	12.73	0.39	0	0	1.33	0.65	2.25	3.83	0.43	0.83	0.29	0.53	2.20	0	0	0.02	12.36
TERMO 6 SW	16.99	0.24	0.05	0.19	1.41	1.17	3.01	6.10	0.72	1.26	0.59	0.53	1.72	0	0	0	16.51
TERMO	13.75	0.31	0.05	0.09	1.30	0.76	2.71	3.00	0.52	1.17	0.86	0.49	2.49	0.10	0.05	0.11	13.56
EAGLE LAKE G3																	
EAGLE LAKE NELSON	20.05	0.49	0.05	0.31	1.59	0.90	4.35	6.66	1.66	1.19	1.07	0.36	1.42	0	0.05	0.02	19.27
SUSAN RIVER G4																	
FLEMING FISH AND GAME	11.23	0.02	0	0	0.97	0.31	2.88	3.42	0.79	0.57	0.17	0.60	1.50	0.08	0	T	11.29
LASSEN CONSERVATION CENTER	13.21	0	0	T	0.83	0.49	2.85	6.14	1.71	0.64	0.33	0.22	0	0	T	T	13.21
SECRET VALLEY	11.06	0	T	T	0.66	0.47	2.61	3.89	0.67	0.81	0.12	0.34	1.49	0	0	0	11.06
STANDISH 1 E	12.08	0.02	0	T	1.06	0.35	3.14	3.83	0.96	0.75	0.20	0.50	1.27	0.03	0	0.01	12.10
SUSANVILLE AIRPORT	20.37	0.13	0	T	1.61	0.74	4.21	7.11	1.85	1.96	0.40	0.54	1.82	0	0.05	0	20.29
SUSANVILLE 1 WNW	21.14E	0.14	0	0	1.70	0.96	4.13	8.38	1.62	1.96E	0.32	0.79	1.14	0	0.30	0	21.30E
SUSANVILLE COURTHOUSE	-	0.18	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-
WENDEL 1 E	11.13	0.25	0	0	0.91	0.22	2.66	2.94	0.54	0.59	0.10	0.73	2.19	0	0	0.31	11.19
WILLOW CREEK MURRER RANCH	19.29	0.33	0	0.05	0.15	0.83	4.74	8.04	1.52	1.27	0.26	0.56	1.54	0	T	T	18.91
HERLONG G6																	
DOYLE	14.52	T	0	T	1.01	0.34	3.52	6.27	1.01	0.48	0.22	0.20	1.47	0.01	0.35	0.36	15.24
DOYLE 5 SSE	24.71	0.29	0	0.01	2.07	0.41	5.59	10.39	1.70	0.68	0.29	0.68	2.60	0.09	0.08	0.52	25.10
HERLONG S O D	10.43	T	0	0	0.80	0.30	2.51	4.14	0.61	0.36	0.12	0.58	1.01	0	0.01	0.20	10.64
MILFORD	20.09	0.13	0	0	1.59	0.43	4.56	8.79	1.57	0.33	0.29	0.73	1.67	0.10	0.12	0.16	20.34
MILFORD LAUFMAN RANGER STN	22.61	0.20	0	0	1.86	0.55	5.03	8.81	1.93	1.29	0.72	0.55	1.67	0.14	0	0.14	22.69
OTIS CANYON	19.98	0	0	0	1.60	0.51	4.73	8.58	1.27	0.86	0.19	0.36	1.88	0	0	0	19.98
STACY	-	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-
WENDEL 10 SE	9.49	0	0	0	0.93	0.20	2.78	2.69	0.59	0.25	T	0.84	1.21	0.29	0	0.05	9.83
TRUCKEE RIVER G7																	
BOCA	26.58	0.35	0	0.15	1.78	0.73	6.25	10.28	2.06	1.10	1.88	0	2.00	0.35	0	0.12	26.55
D. L. BLISS STATE PARK	-	0.72	0	0.35	2.78	1.09	7.98	12.36	2.26	-	0.89	-	-	-	-	0	-
DONNER MEMORIAL STATE PARK	38.11E	0.13	0	0	3.07	1.29	5.72	16.25	2.09	3.70	2.61E	0.27	2.98	0	0	0.14	38.12E
GLENBROOK, NEVADA	21.65	0.04	0	0.16	1.18	0.86	4.48	7.82	1.67	1.64	2.48	0	1.32	0.07	0	0.22	21.74
MEYERS INSPECTION STATION	-	0.83	0	0.33	4.40	-	-	-	-	-	-	-	-	-	-	-	-
MEYERS RANGER STATION	-	0.37	0	0.34	4.39	RE											
MT. ROSE CHRISTMAS TREE	-	0.18	0	0	2.25	0.62	3.29E	-	-	-	-	-	-	RE			
RENO, NEVADA	6.41	0.17	T	0.01	0.40	0.04	2.07	1.73	0.32	0.19	0.60	T	0.88	0.05	0.02	0.01	6.31
SAGEHEN CREEK	40.63	0.18	0	0.11	3.27	1.09	10.38	15.96	2.44	2.58	1.86	0.21	2.55	0	0.02	0.11	40.47
SQUAW VALLEY	57.13	0.05	0	0.27	4.28	1.93	13.75	24.59	3.36	3.93	2.58	0.27	2.12	0	0.10	0.30	57.21
TAHOE CITY	36.73	0.10	0	0.17	2.14	1.40	9.26	15.27	2.45	1.93	1.60	0.24	2.17	T	0	0.20	36.66
TRUCKEE RANGER STATION	35.58	0.98	0	0.10	2.30	1.17	7.93	14.41	2.18	1.98	1.87	0.19	2.47	0	T	0.09	34.59
CARSON RIVER G8																	
CARSON CITY, NEVADA	11.20	0.27	0	0.05	0.89	0.01	3.36	5.16	0.78	0.11	0.22	0	0.35	T	T	0.02	10.90
GROVER HOT SPRINGS	33.05	0.37	0	0.32	3.03	0.70	8.43	13.34	1.91	1.68	0.90	0.37	2.00	0.21	0	0.09	32.66
MARKLEEVILLE	24.59	0.40	0	0.23	2.45	0.32	5.72	9.55	1.76	1.49	1.01	0.05	1.61	0.25	0	0.32	24.53
MINDEN, NEVADA	8.42	0.19	0	0.17	0.40	0.12	2.48	3.13	0.55	0.39	0.30	0	0.69	0.07	0.17	0.12	8.42
VIRGINIA CITY, NEVADA	14.31	0.13	0	0.05	1.45	0.12	4.44	3.77	0.97	0.44	0.89	T	2.05	0.02	.0.04	0.10	14.29
WOODFORDS	23.47	0.19	0	0.25	1.93	0.74	6.14	9.82	1.64	0.92	0.56	0	1.28	0.13	0	0.23	23.39
WALKER RIVER G9																	
BODIE	8.62	0.40	0.30	0.03	0.77	0.10	1.22	2.88	0.70	0.49	1.04	T	0.69	1.39	0.25	0.06	9.59
BRIDGEPORT	7.48	0.28	0.11	0.02	0.69	0.04	1.40	3.64	0.31	0.13	0.31	0	0.55	0.66	0	0.02	7.75
BRIDGEPORT RANGER STATION	9.69	0.33	0.02	0	0.57	0.14	1.89	4.59	0.69	0.29	0.67	0	0.50	0.50	0	0	9.84
SONORA JUNCTION	15.51	1.08	0.02	0.28	1.24	0.36	3.70	6.08	0.72	0.48	0.92	0	0.63	0.29	0.41	0.05	14.88
TOPAZ LAKE, NEVADA	9.55	1.31	0	0.02	0.45	0.18	1.94	3.14	0.58	0.28	0.70	0	0.95	0.41	0.14	0.05	8.82
WELLINGTON R S, NEVADA	7.53	0.41	0	0	0.48	0.17	1.66	1.97	0.49	0.39	0.67	0	1.29	1.14	0.04	0	8.30
SOUTH LAHONTAN AREA																	
MONO LAKE V0																	
CONWAY SUMMIT	10.85	0.32	0.33	T	0.77	0.02	1.18	6.18	0.61	0.14	0.85	0	0.45	0.88	0.21	0.06	11.35
MONO LAKE	10.60	0.64	0.31	0.05	1.56	T	1.65	4.79	0.84	0.22	0.12	T	0.42	1.03	0.10	T	10.73

TABLE A-3

STORAGE GAGE PRECIPITATION DATA

Station	Agency	1969-70 Season		
		Measurement Period		Precipitation in Inches
SACRAMENTO RIVER BASIN				
PIT RIVER A1				
BLACKS MOUNTAIN	DWR Northern District	8- 6-69	6-22-70	25.08
BUTTE LAKE	DWR Northern District	7- 2-69	7- 2-70	59.90
DEAD HORSE RESERVOIR 2 SE	DWR Northern District	8-13-69	6-24-70	16.34
LASSEN CREEK UPPER	DWR Northern District	8-13-69	6-24-70	20.59
LONG BELL STATION	DWR Northern District	7-11-69	6-25-70	34.36
MEDICINE LAKE	DWR Northern District	7-10-69	6-25-70	51.49
PATTERSON MEADOW	DWR Northern District	8-12-69	6-23-70	18.29
PEPPERDINES CAMP	DWR Northern District	8-14-69	6-23-70	28.46
SWEAGERT FLAT	DWR Northern District	8-11-69	6-25-70	32.87
SHASTA LAKE A2				
MT. SHASTA SLOPE	DWR Northern District	7-10-69	6-24-70	65.09
STOUTS MEADOW	DWR Northern District	7-10-69	6-24-70	108.70
SACRAMENTO VALLEY WESTSIDE A3				
ALDER SPRINGS	COE Sacramento District	6-17-69	10-13-70	43.55
BALL MOUNTAIN LOOKOUT	DWR Northern District	7-24-69	7- 7-70	47.58
LOG SPRING	COE Sacramento District	6-16-69	10-12-70	39.80
NOEL SPRING	COE Sacramento District	6-17-69	10-13-70	49.75
SADDLE CAMP RANGER STATION	DWR Northern District	7-23-69	7- 6-70	36.46
TROUGH SPRING	COE Sacramento District	6-18-69	10-14-70	55.55
SACRAMENTO VALLEY NORTHEAST A4				
DEER CREEK FLAT	DWR Northern District	7-24-69	7-15-70	39.31
DeWITT PEAK 2 WSW	DWR Northern District	7-25-69	7- 8-70	32.52
HOGBACK ROAD	DWR Northern District	7-25-69	7- 6-70	33.53
McCARTHY POINT	DWR Northern District	7-23-69	7- 9-70	55.34
TWENTY MILE HOLLOW	DWR Northern District	7-23-69	7- 9-70	38.21
FEATHER RIVER A5				
BOULDER CREEK GUARD STATION	DWR Central District	10- 1-69	9-30-70	30.45
CAMEL PEAK	DWR Central District	9-29-69	9-28-70	87.26
CLARKS PEAK 1 NE	DWR Central District	10- 1-69	9-30-70	27.02
CLOVER VALLEY	DWR Central District	10- 2-69	10- 1-70	24.22
GRANITE SPRINGS	DWR Central District	10- 2-69	10- 1-70	22.33
LIGHTS CREEK	DWR Central District	10- 1-69	9-30-70	43.05
LITTLE LAST CHANCE VALLEY	DWR Central District	10- 2-69	10- 1-70	23.80
MT. HOUGH SNOW COURSE	DWR Central District	9-30-69	9-29-70	55.16
ONION VALLEY	DWR Central District	9-30-69	9-29-70	74.39
SWAIN MOUNTAIN	DWR Central District	10- 1-69	9-30-70	55.33
THREE MILE VALLEY	DWR Central District	10- 2-69	10- 1-70	42.96
YUBA-BEAR RIVERS A6				
SODA SPRINGS 1 E	COE Sacramento District	8- 8-69	10- 9-70	71.10
AMERICAN RIVER A7				
BRUSHY SPRINGS GUARD STATION	DWR Central District	10- 7-69	9-25-70	46.18
FORNI RIDGE	DWR Snow Surveys	10- 1-69	NR	NR
GERLE CREEK CAMP	DWR Central District	10- 9-69	10- 6-70	57.47
ROBERTSON FLAT	DWR Central District	10- 7-69	9-24-70	88.37
THE CEDARS	DWR Central District	10- 3-69	10- 2-70	66.18
WESTVILLE	DWR Central District	10- 7-69	9-24-70	72.19
WRIGHTS LAKE	DWR Central District	10- 9-69	10- 6-70	66.95
WRIGHTS LAKE SNOW COURSE	DWR Snow Surveys	10- 1-69	9-00-70	50.71
SAN JOAQUIN RIVER BASIN				
COSUMNES RIVER B1				
LUMBERYARD	DWR Central District	10-10-69	10- 7-70	76.18
MOKELUMNE CALAVERAS RIVERS B2				
HIGHLAND LAKES	DWR San Joaquin District	8- 6-69	7- 8-70	38.55
NORTH LAHONTAN AREA				
MADELINE PLAINS G2				
DODGE RESERVOIR 3 NNE	DWR Northern District	8-12-69	6-23-70	14.17
EAGLE LAKE G3				
CHAMPS FLAT	DWR Northern District	8- 6-69	6-22-70	22.32
TRUCKEE RIVER G7				
BROCKWAY SUMMIT	COE Sacramento District	8- 8-69	10- 9-70	36.85
LOWER MEADOW	USFS Inter Mountain	10- 1-69	5-30-70	25.66
		6- 1-70	9-30-70	1.71
SECOND SUMMIT	USFS Inter Mountain	10- 1-69	5-30-70	24.01
		6- 1-70	9-30-70	2.26

TABLE A-4

EVAPORATION DATA

The definition of terms and the abbreviations used in connection with Table A-4 are as follows:

EVAP	The total amount of water evaporated from the pan in inches for the month.
WIND	The amount of movement of air over the pan in miles for the month.
AVG MAX	The arithmetic average of daily maximum water temperatures in degrees Fahrenheit for the month.
AVG MIN	The arithmetic average of daily minimum water temperatures in degrees Fahrenheit for the month.
-	Record incomplete.
RB	Record began.
RE	Record ended.

TABLE A-4 (Cont.)
EVAPORATION DATA

Evaporation in Inches
Wind in Total Miles
Water Temperature in Degrees Fahrenheit

Station Name		Total July 1 to June 30	1969 July	1969 Aug	1969 Sept	1969 Oct	1969 Nov.	1969 Dec.	1970 Jan.	1970 Feb.	1970 Mar	1970 Apr.	1970 May	1970 June	1970 July	1970 Aug	1970 Sept	Total Oct 1 to Sept 30
SACRAMENTO RIVER BASIN																		
SACRAMENTO VALLEY FLOOR A0																		
CHICO EXPERIMENTAL STN	EVAP	-	10.36	9.80	7.51	3.89	1.72	-	-	1.61	4.09	5.85	8.77	8.87	10.85	9.32	7.10	-
	WIND	14286	1105	1009	1036	1067	870	1323	1884	913	1214	1219	1470	1176	1061	962	865	14024
DAVIS 2 WSW	EVAP	89.12	13.07	11.99	8.76	6.70	2.86	1.42	1.65	2.33	7.28	8.14	12.66	12.26	13.71	11.59	9.78	90.38
	WIND	30942	2007	1301	1211	2864	1317	2721	3573	2076	3630	3103	3840	3299	2648	2355	2616	34042
	AVG MAX	74.9	94.3	93.5	87.9	72.0	64.4	54.8	56.0	63.4	68.6	73.8	83.2	87.4	92.4	90.5	83.8	74.2
	AVG MIN	49.4	59.4	59.5	57.9	48.6	43.7	41.8	43.6	42.9	43.3	43.0	53.2	55.6	57.9	55.2	53.9	48.6
LAKE SOLANO	EVAP	89.45	13.15	12.46	9.15	6.58	2.81	1.70	1.87	2.84	6.67	8.36	11.93	11.93	13.31	11.41	10.24	89.65
	WIND	24351	1629	1439	1514	2311	1446	1804	2110	1622	2513	2869	2780	2314	1758	1596	2180	25303
THERMALITO AFTERBAY	EVAP	83.98	12.85	12.17	9.19	6.42	2.87	1.79	1.68	1.93	4.86	7.01	11.16	12.05	13.95	12.06	10.37	86.15
WILLOWS USBR	EVAP	81.24	11.62	11.46	7.78	5.91	2.77	2.06	3.35	2.47	6.01	7.35	10.43	10.03	12.39	10.60	10.26	83.63
	WIND	20503	1307	1115	959	1741	1025	2072	2849	1304	2442	1896	1987	1806	1225	910	1491	20748
	AVG MAX	-	-	-	89.9	72.2	-	-	-	64.7	71.6	77.5	-	91.0	94.5	-	90.8	-
	AVG MIN	-	-	-	60.8	49.7	-	-	-	45.1	45.0	46.1	-	63.1	64.5	-	57.1	-
SHASTA LAKE A2		-																
LAKESHORE	EVAP	-	10.34	10.30	6.83	3.68	2.06	-	-	2.03	3.91	5.13	7.42	8.01	11.13	10.06	7.40	-
	WIND	11327	996	1028	907	883	862	1032	1125	797	960	959	853	925	1057	999	931	11383
SHASTA DAM	EVAP	-	11.14	10.74	7.39	4.21	3.70	1.70	-	2.45	3.95	5.10	7.38	8.27	11.20	10.58	8.25	-
	WIND	21178	1925	1980	1764	1804	1886	1855	1966	1479	1599	1611	1719	1590	1863	1809	1919	21100
TURNTABLE CREEK	EVAP	-	9.57	10.59	7.29	5.01	RE											
	WIND	-	1133	1195	973	1443	RE											
SACRAMENTO VALLEY WEST SIDE A3																		
BLACK BUTTE DAM	EVAP	94.10	14.79	14.36	9.84	6.91	4.16	2.03	1.60	2.90	6.51	7.98	11.31	11.71	14.64	12.87	11.60	94.22
	WIND	27738	1802	1700	1331	2333	1942	3022	3842	1787	2922	2265	2384	2408	2022	1710	2331	28968
	AVG MAX	73.4	93.7	92.0	86.5	69.8	62.9	52.9	52.8	61.1	67.2	73.9	81.6	86.1	91.9	88.5	83.1	72.7
	AVG MIN	50.4	64.6	62.7	59.5	48.7	44.1	41.6	42.4	42.3	43.0	42.9	53.5	59.5	63.5	61.9	55.8	49.9
WHISKEYTOWN RESERVOIR	EVAP	-	11.79	11.60	7.45	3.59	2.04	1.01	-	1.73	3.48	4.88	8.11	8.68	11.94	11.32	7.87	-
	WIND	11563	941	1067	941	1006	978	1042	1137	919	1097	901	805	729	798	890	877	11179
FEATHER RIVER A5																		
BOULDER CREEK GUARD STN	EVAP	-	7.53	7.86	5.91	-	-	-	-	-	-	-	-	-	8.17	7.96	5.32	-
ENTERPRISE OWID	EVAP	60.61	10.26	10.95	8.17	3.82	1.87	0.52	1.17	1.17	3.12	4.52	6.97	8.07	11.36	10.76	8.48	61.83
FOREMAN CREEK	EVAP	68.82	11.06	11.81	9.33	4.95	2.48	0.93	1.09	1.62	3.96	4.99	7.83	8.77	12.42	11.07	9.76	69.87
	AVG MAX	72.0	92.4	90.1	85.1	69.3	60.1	52.4	51.8	56.8	66.6	67.8	82.9	88.1	90.9	89.0	83.3	71.6
	AVG MIN	47.1	61.4	56.0	54.1	45.1	41.1	38.9	41.5	40.2	40.7	39.8	50.0	55.9	58.6	55.5	50.4	46.5
FOREMAN CREEK *	EVAP	58.52	8.98	10.28	8.11	4.28	2.39	1.07	0.91	1.57	3.40	4.16	5.96	7.41	10.86	10.72	9.12	61.85
OROVILLE DAM	EVAP	76.43	12.61	12.82	9.17	4.85	2.77	1.23	1.21	2.40	4.54	5.69	9.44	9.70	13.12	11.58	9.42	75.95
	WIND	13033	1104	1142	918	899	644	1196	2104	919	897	1215	1112	883	952	747	851	12419
	AVG MAX	75.6	97.4	95.5	88.7	71.9	64.0	54.3	53.7	61.5	69.1	74.6	85.9	90.3	95.8	93.5	85.6	75.0
	AVG MIN	52.7	66.0	62.9	60.2	51.4	47.2	42.9	44.5	44.7	46.7	47.1	56.7	62.2	65.3	62.5	57.8	52.4
OROVILLE DAM *	EVAP	68.54	10.82	12.02	8.50	5.12	2.66	1.20	1.03	1.74	3.54	5.05	8.03	8.83	11.52	10.64	9.08	68.44
PARISH CAMP	EVAP	70.14	11.46	12.45	9.15	5.02	2.16	1.02	0.95	1.64	3.69	5.03	8.23	9.34	12.66	11.91	10.58	72.23
VINTON	EVAP	-	12.10	12.48	8.88	-	-	-	-	-	-	-	-	8.44	12.64	12.63	-	-
	WIND	-	1857	2053	2010	-	-	-	-	-	-	-	-	2110	2007	2115	-	-
YUBA-BEAR RIVERS A6																		
LAKE SPAULDING DAM	EVAP	-	10.95	12.40	6.65	-	-	-	-	-	-	-	-	9.09	12.27	12.41	9.44	-
AMERICAN RIVER A7																		
BLODGETT EXPTL FOREST	EVAP	-	6.07	6.11	4.24	1.56	0.54	-	-	-	-	1.81	4.21	4.07	5.69	7.07	5.30	-
	WIND	-	185	130	167	316	107	-	-	-	-	310	320	155	124	172	263	-
	AVG MAX	-	88.5	84.9	78.7	52.1	44.6	-	-	-	-	58.3	74.0	79.5	86.5	88.9	77.9	-
	AVG MIN	-	61.5	59.2	55.8	41.3	36.4	-	-	-	-	37.8	48.3	55.0	60.0	58.7	51.2	-
FOLSOM DAM	EVAP	67.34	11.43	10.83	8.26	4.46	2.12	0.82	0.42	1.63	3.95	5.63	8.89	8.90	10.92	10.02	8.65	66.41
	WIND	4441	95	72	118	291	219	684	939	331	542	461	428	261	162	106	137	4561
PLACERVILLE I F G	EVAP	57.13	8.71	9.66	6.73	3.53	1.61	1.49	1.03	1.99	3.91	4.14	7.07	7.26	9.87	8.68	7.76	58.34
	WIND	11090	762	982	745	1048	566	973	1119	796	994	784	1135	1186	1110	818	1501	12030
CACHE CREEK A8																		
FINLEY 1 SSE	EVAP	55.35	8.82	8.34	5.96	3.34	1.61	0.83	1.34	1.65	3.61	5.12	7.31	7.42	9.14	8.12	5.95	55.44
	WIND	7200	385	331	299	602	357	709	951	488	642	1130	724	582	474	439	336	7434
LAKEPORT	EVAP	47.28	8.90	8.59	5.75	2.10	0.77	0.38	0.37	0.87	2.86	3.91	6.04	6.74	9.02	8.25	5.87	47.18
	WIND	4855	362	346	333	416	236	306	508	290	498	671	491	398	355	314	297	4780

*Young Pan

TABLE A-4 (Cont.)
EVAPORATION DATA

Evaporation in Inches
Wind in Total Miles
Water Temperature in Degrees Fahrenheit

Station Name		Total July 1 to June 30	1969 July	1969 Aug	1969 Sept	1969 Oct	1969 Nov.	1969 Dec	1970 Jan.	1970 Feb.	1970 Mar	1970 Apr.	1970 May	1970 June	1970 July	1970 Aug.	1970 Sept.	Total Oct 1 to Sept 30
SACRAMENTO RIVER BASIN																		
PUTAH CREEK A9																		
BERRYESSA LAKE	EVAP	80.24	13.47	12.68	8.54	5.31	2.21	1.52	1.52	2.37	5.15	6.30	10.03	11.14	RE			
	WIND	17746	1579	1407	1271	1398	910	1530	1930	1175	1668	1411	1622	1845	RE			
	AVG MAX	74.0	94.6	93.5	86.2	71.2	61.0	54.4	53.4	60.8	68.4	72.4	84.7	87.6	RE			
	AVG MIN	50.2	62.0	60.4	57.9	49.2	43.3	43.7	43.8	42.8	44.1	43.6	53.3	57.9	RE			
MARKLEY COVE	EVAP								RE	1.75	4.88	5.82	9.72	10.86	13.38	11.45	8.73	-
	WIND								RE	1032	1953	2098	2176	2147	1977	1997	1755	-
	AVG MAX								RE	59.7	67.2	69.8	81.6	85.9	92.0	90.6	81.8	-
	AVG MIN								RE	40.6	41.8	39.3	49.2	53.9	56.2	55.9	51.0	-
MONTICELLO DAM	EVAP	-	10.97	10.65	7.58	4.60	2.04	1.06	0.93	RE								
	WIND	-	434	317	329	485	235	498	777	RE								
	AVG MAX	-	97.6	96.6	88.9	73.0	63.1	55.1	54.2	RE								
	AVG MIN	-	62.5	60.7	58.8	49.7	43.3	43.3	45.1	RE								
SAN JOAQUIN RIVER BASIN																		
SAN JOAQUIN VALLEY FLOOR B0																		
CAMANCHE NORTH STATION	EVAP	84.39	13.20	12.73	9.23	6.16	2.94	2.18	1.95	2.41	5.84	6.46	10.53	10.76	13.95	12.56	10.41	86.15
CAMANCHE SOUTH STATION	EVAP	78.91	12.90	12.31	8.52	5.00	2.50	1.82	1.81	2.01	4.89	6.35	10.05	10.75	13.73	12.12	9.96	80.99
LODI	EVAP	68.91	11.42	9.17	7.38	4.57	1.67	1.78	1.35	1.98	5.18	5.70	8.60	10.11	11.26	9.31	7.22	68.73
	WIND	17054	1720	1235	1220	1265	604	1491	1601	942	1594	1749	1787	1846	1484	1220	853	16436
	AVG MAX	72.0	90.9	92.0	82.9	68.9	60.0	50.0	52.0	57.4	66.6	74.3	83.9	85.6	91.3	87.6	83.4	71.8
	AVG MIN	49.0	58.9	59.6	57.3	47.4	41.5	40.4	43.2	44.0	43.4	43.7	53.0	55.3	58.8	56.1	53.8	48.4
MANTECA	EVAP	76.10	11.93	11.48	7.81	4.66	1.90	1.66	1.46	1.98	5.25	7.09	10.17	10.71	12.22	10.72	8.68	76.50
	WIND	17996	1297	1179	1127	1311	1114	2184	1987	1014	1553	1714	1760	1756	1351	1227	1044	18015
	AVG MAX	73.7	91.3	91.8	86.9	70.6	61.3	53.1	54.1	60.8	69.1	72.9	84.3	87.9	93.0	90.4	84.2	73.5
	AVG MIN	50.7	62.7	60.4	59.4	49.4	44.4	41.8	43.6	44.1	45.5	45.4	53.6	57.6	61.0	58.8	55.7	50.1
COSUMNES RIVER B1																		
SLY PARK	EVAP	46.81	8.39	8.49	5.92	2.84	1.24	0.52	0.69	1.29	2.56	2.87	6.18	5.82	8.90	8.58	6.26	47.75
MOKELUMNE-CALAVERAS RIVERS B2																		
CAMP PARDEE	EVAP	60.69	11.27	10.38	6.71	3.67	1.33	0.88	0.76	1.28	3.04	4.60	8.05	8.72	11.52	9.71	7.02	60.58
	WIND	6431	592	535	511	599	346	543	640	468	617	518	505	557	545	487	311	6136
HOGAN DAM	EVAP	82.08	13.59	12.93	9.63	5.65	2.84	1.74	1.79	2.23	4.99	6.15	10.07	10.47	14.08	11.98	10.04	82.03
	WIND	17244	1368	1388	1330	1462	1415	1768	1988	1162	1532	1352	1290	1189	1196	1184	1526	17064
	AVG MAX	73.7	92.8	91.2	86.5	70.9	63.0	54.4	54.1	62.0	67.9	71.6	83.1	87.0	92.1	89.7	82.9	73.2
	AVG MIN	49.7	62.2	60.6	59.3	47.7	40.8	41.0	42.7	42.4	43.1	43.5	53.5	59.1	61.5	59.0	53.5	49.0
JACKSON 1 NW	EVAP	65.98	11.64	11.81	8.22	4.29	1.46	0.55	0.66	1.96	4.09	4.70	8.14	8.46	RE			
	WIND	9241	951	909	853	923	409	705	944	622	1031	579	585	730	RE			
	AVG MAX	66.5	84.9	83.0	78.3	62.2	55.3	46.9	46.9	55.3	61.6	66.8	78.4	78.3	RE			
	AVG MIN	49.2	62.1	60.6	59.0	47.2	43.0	39.3	40.4	41.9	41.9	43.2	54.2	57.5	RE			
SALT SPRINGS POWERHOUSE	EVAP	64.20	9.55	10.79	7.08	4.77	3.76	1.34	1.26	2.22	4.37	3.80	8.53	6.73	10.39	10.32	8.80	66.29
SAN JOAQUIN VALLEY WEST SIDE B8																		
ANTIOCH PUMPING PLANT 3	EVAP	75.21	11.48	10.55	7.97	5.09	1.74	1.41	1.22	2.04	5.20	8.07	9.93	10.51	11.83	10.29	8.56	75.89
SACRAMENTO-SAN JOAQUIN DELTA B9																		
BRANNAN ISLAND	EVAP	81.91	12.58	12.55	9.70	5.66	1.72	1.23	1.18	1.90	5.53	7.52	10.45	11.89	13.84	12.52	9.34	82.78
	WIND	31910	2793	2212	3657	2733	957	1643	1650	1404	2701	3530	3900	4730	4610	4870	2868	35596
TRACY PUMPING PLANT	EVAP	103.96	17.89	15.89	11.11	6.59	2.92	1.51	1.88	2.92	6.85	8.50	13.28	14.62	17.70	14.59	11.69	103.05
	WIND	41403	5175	3817	3480	2771	1266	1919	2177	1651	2869	4749	5570	5959	5261	-	3605	-
NORTH LAHONTAN AREA																		
SURPRISE VALLEY G1																		
CEDARVILLE 12 SE	EVAP	-	13.69	13.40	9.47	-	-	-	-	-	-	-	-	10.36	14.06	RE		
	WIND	21682	1699	1794	1555	1387	1304	1909	2456	1520	2193	2058	1934	1873	2020	RE		
TRUCKEE RIVER G4																		
FLEMING FISH AND GAME	EVAP	-	10.08	9.67	7.00	3.23	-	-	-	-	-	5.02	7.46	7.17	9.57	8.98	6.48	-
	WIND	-	978	673	670	881	-	-	-	-	-	1819	1192	711	604	518	769	-
TRUCKEE RIVER G7																		
BOCA	EVAP	-	9.96	10.42	7.02	-	-	-	-	-	-	-	-	7.00	10.36	10.26	7.44	-
	WIND	-	886	851	786	-	-	-	-	-	-	-	-	1247	1052	1061	1273	-
MEYERS RANGER STATION	EVAP	-	8.11	8.92	5.79	RE												
TAHOE CITY	EVAP	-	6.80	5.71	3.40	-	-	-	-	-	-	-	-	4.71	-	-	-	-
	WIND	-	192	144	492	-	-	-	-	-	-	-	-	657	-	-	-	-
WALKER RIVER G9																		
TOPAZ LAKE, NEVADA	EVAP	-	11.08	12.02	9.09	-	-	-	-	-	-	-	10.02	10.00	12.96	13.04	9.75	-
	WIND	-	919	1062	1189	-	-	-	-	-	-	-	1870	650	657	677	901	-
	AVG MAX	-	89.4	88.2	79.8	-	-	-	-	-	-	-	77.1	82.6	89.3	87.3	75.7	-
	AVG MIN	-	58.5	56.5	51.5	-	-	-	-	-	-	-	44.8	52.1	58.8	56.2	44.9	-

Appendix B

SURFACE WATER MEASUREMENTS

INTRODUCTION

This appendix contains surface water data for the 1970 water year, which is from October 1, 1969, to September 30, 1970. The data consist of daily mean discharges; daily mean gage heights; daily maximum and minimum tides; gaging station locations; diversion quantities; water imported to the report area; water exported from the report area; summary of water supply and utilization for the Sacramento-San Joaquin Delta; streamflow measurements at miscellaneous locations; corrections and revisions to previously published reports; and contents and inflow for major reservoirs.

Each station in this appendix has been assigned an identification number. The first two digits denote the drainage basin as shown below. The remaining digits further identify the station.

<u>Sacramento River Basin</u>

A0 Sacramento Valley Floor
A1 Pit River
A2 Shasta Lake
A3 Sacramento Valley West Side
A4 Sacramento Valley Northeast
A5 Feather River
A6 Yuba-Bear Rivers
A7 American River
A8 Cache Creek
A9 Putah Creek

<u>San Joaquin River Basin</u>

B0 San Joaquin Valley Floor
B1 Cosumnes River
B2 Mokelumne-Calaveras Rivers
B8 San Joaquin Valley West Side
B9 Sacramento-San Joaquin Delta

<u>San Francisco Bay Area</u>

E0 San Francisco Bay

<u>North Lahontan Area</u>

G1 Surprise Valley
G2 Madeline Plains
G3 Eagle Lake
G4 Susan River
G5 Smoke River
G6 Herlong
G7 Truckee River
G8 Carson River
G9 Walker River

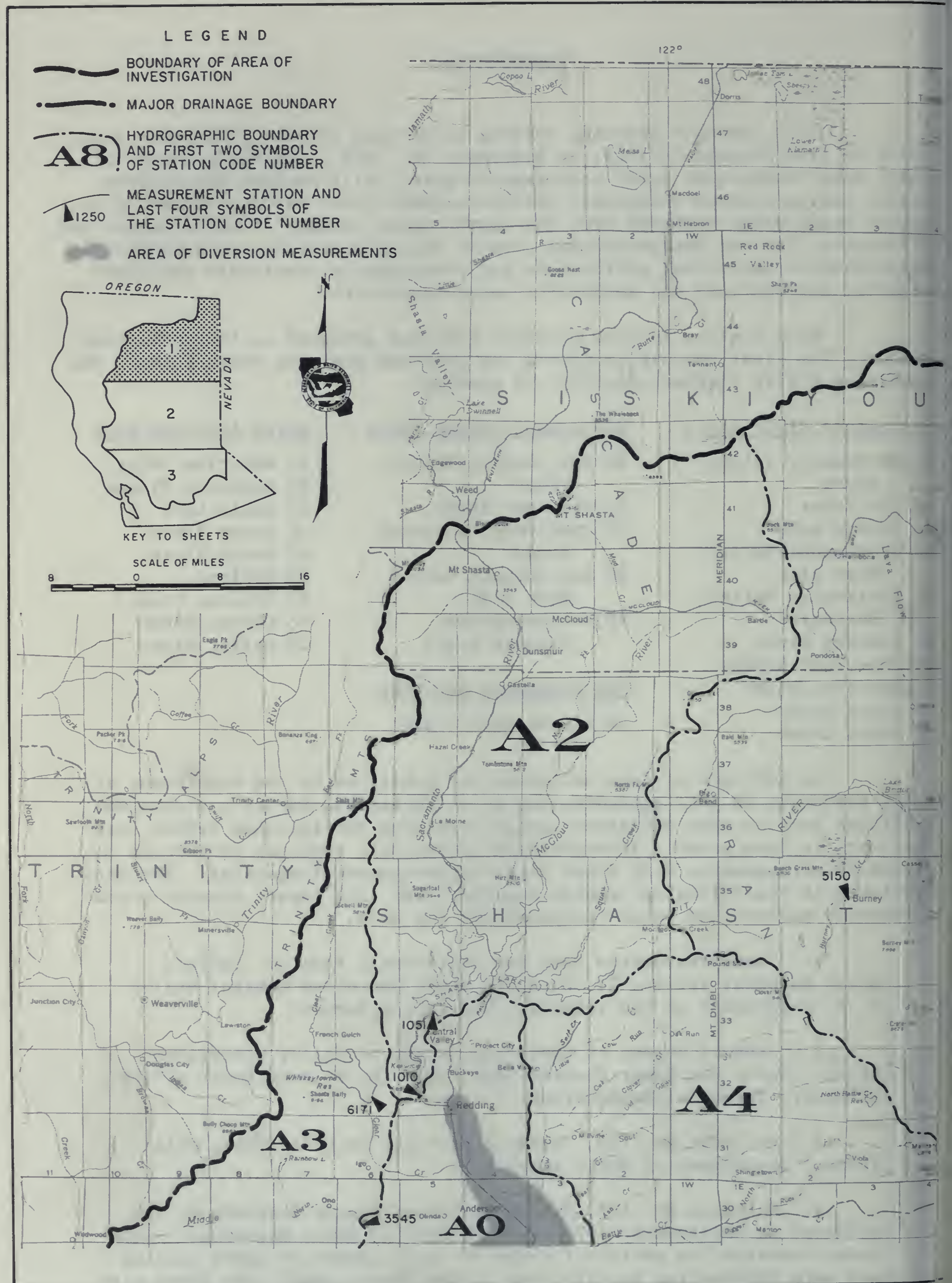
In addition to data collected and published by the Department of Water Resources in this appendix, the U. S. Geological Survey collects and publishes data on many additional gaging stations for the same report area. This work is done under a federal-state cooperative contract or through cooperative arrangements with other local or governmental agencies. The data published in the following reports together with this report present a comprehensive analysis of water resources for the area:

1. "Water Resources Data for California, Part 1: Surface Water Records, Volumne 2: Northern Great Basin and Central Valley." U. S. Department of the Interior, Geological Survey.

2. "Annual Report of Operations, Central Valley Operations Office, Water and Power Control Division." U. S. Department of the Interior, Bureau of Reclamation.

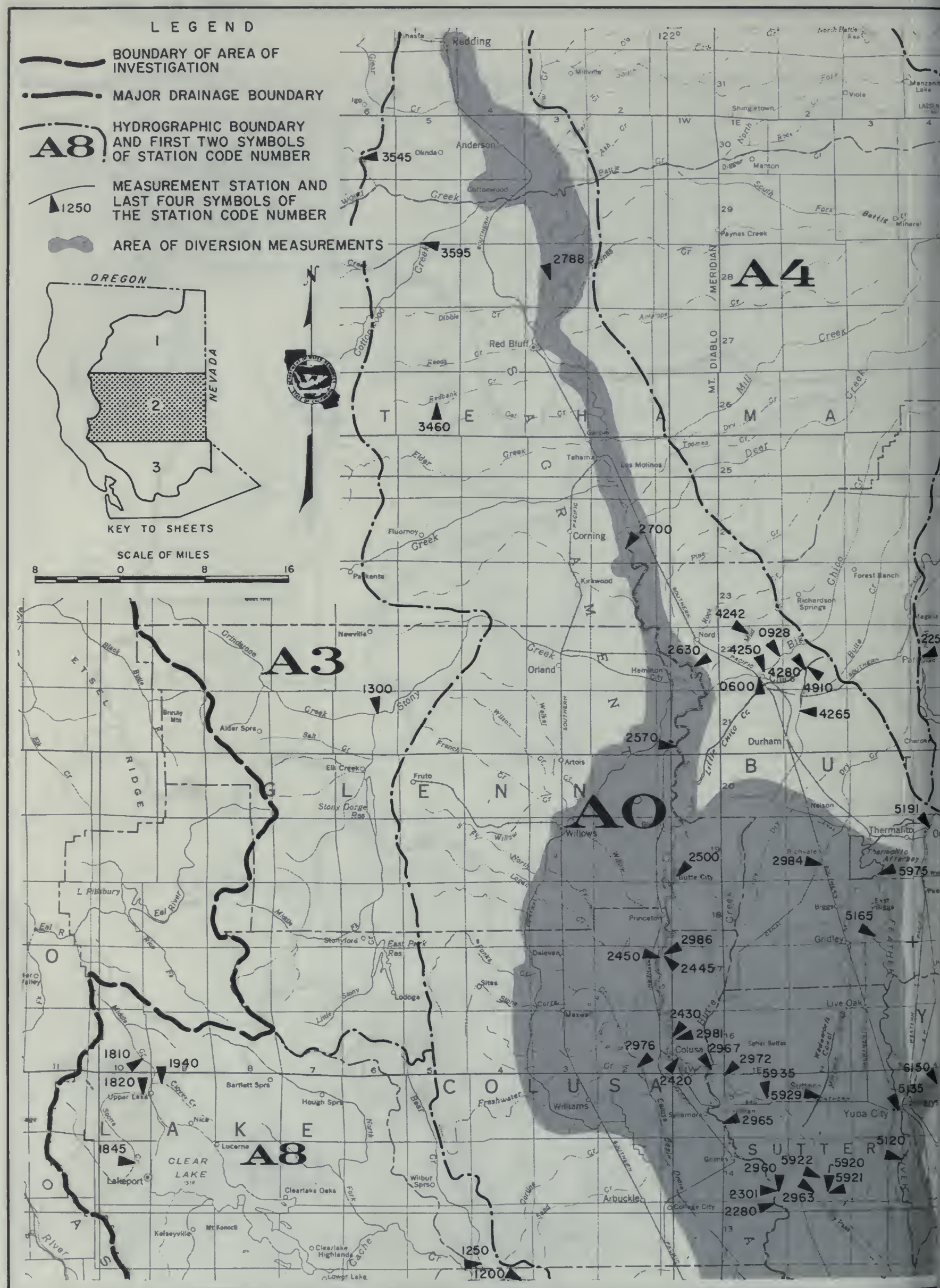
3. Bulletin No. 120, "Water Conditions in California, Fall Issue." Department of Water Resources.

4. Bulletin No. 157, "Index of Stream Gaging Stations in and Adjacent to California, 1970". Department of Water Resources. This index contains the period of record -- with number of years missing -- and more information for stations in the report area. The index also identifies the agency from which a particular record may be obtained.

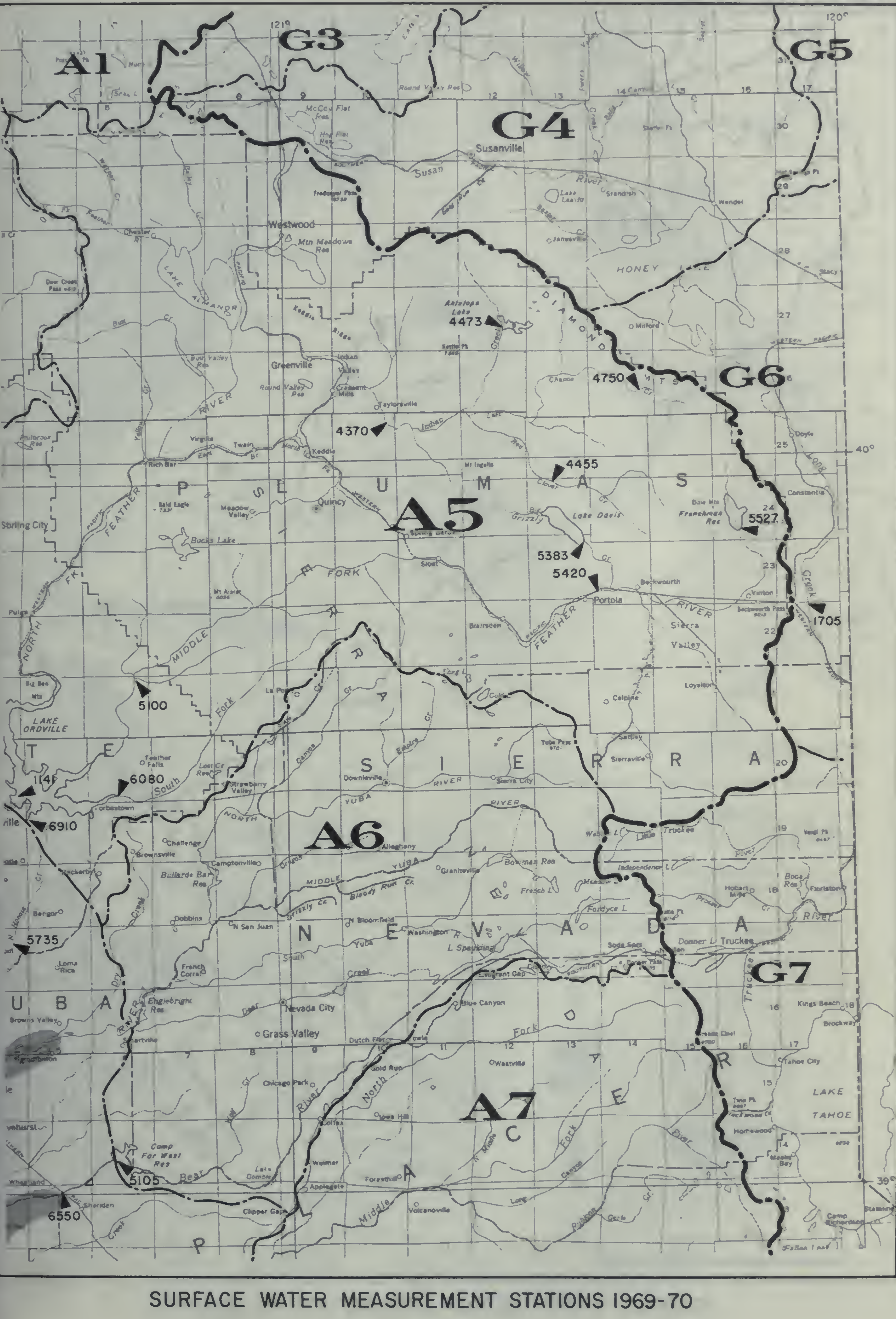


SURFACE WATER MEASUREMENT STATIONS 1969-70

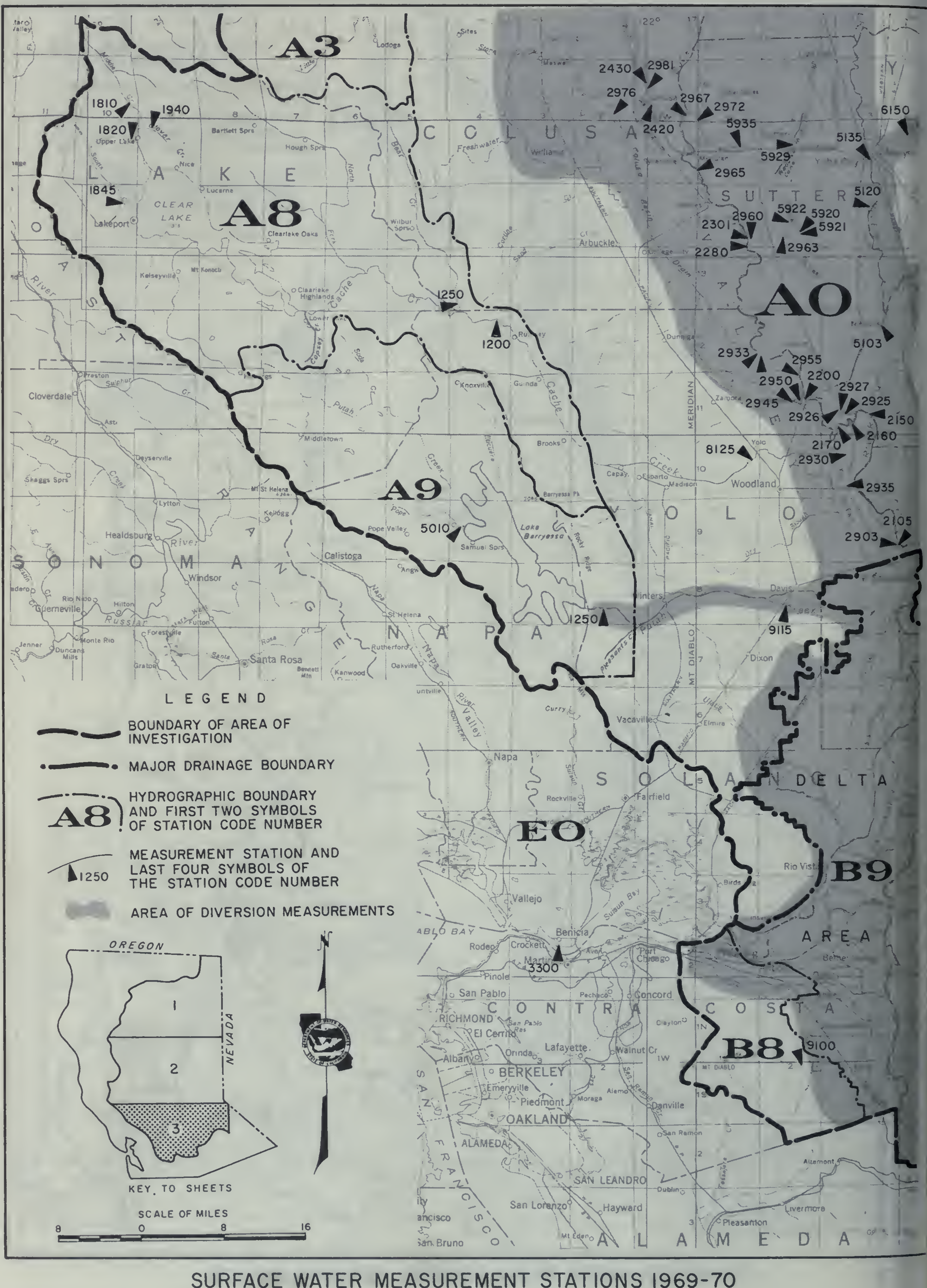
SURFACE WATER MEASUREMENT STATIONS 1969-70



SURFACE WATER MEASUREMENT STATIONS 1969-70

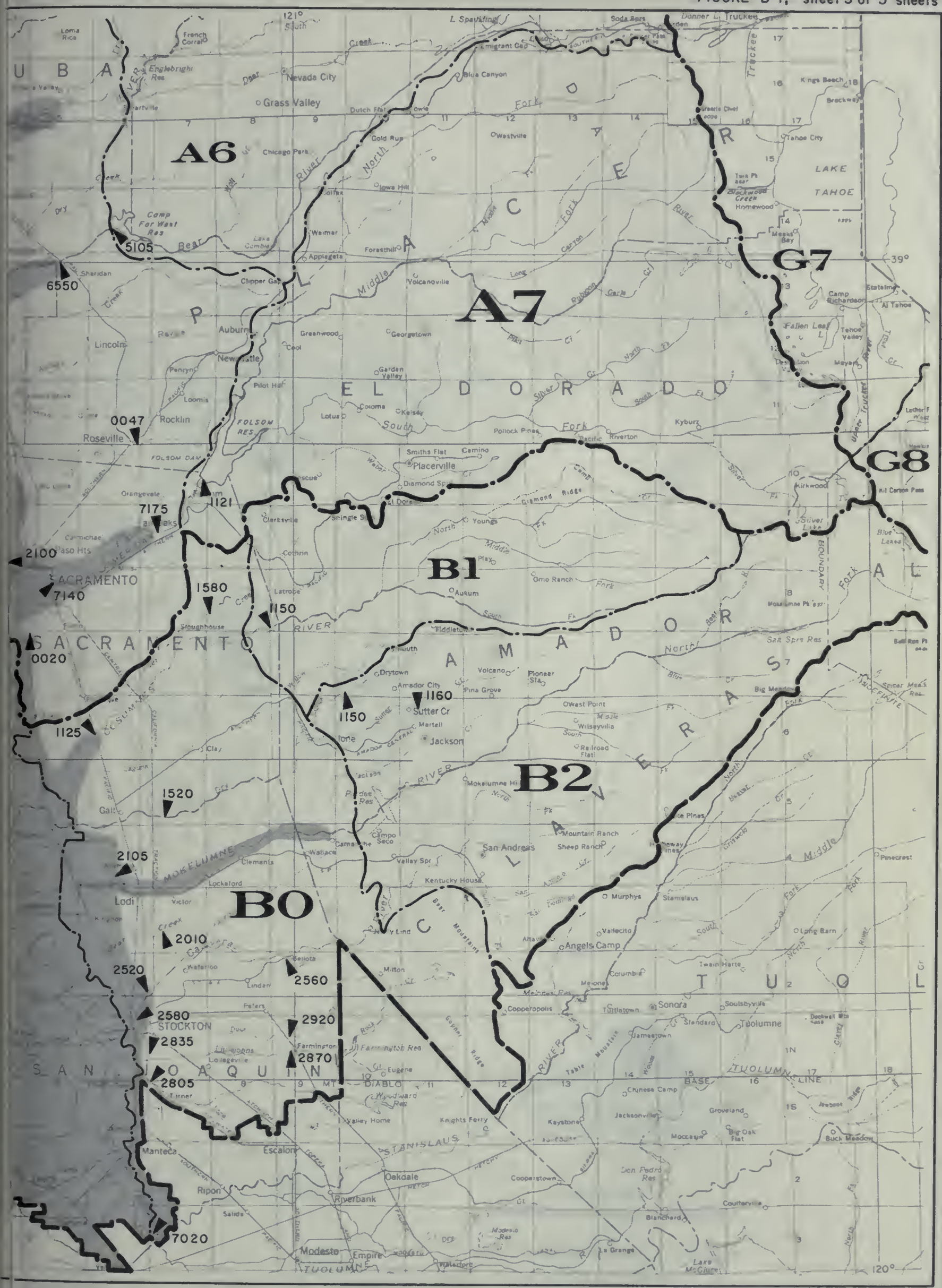


SURFACE WATER MEASUREMENT STATIONS 1969-70

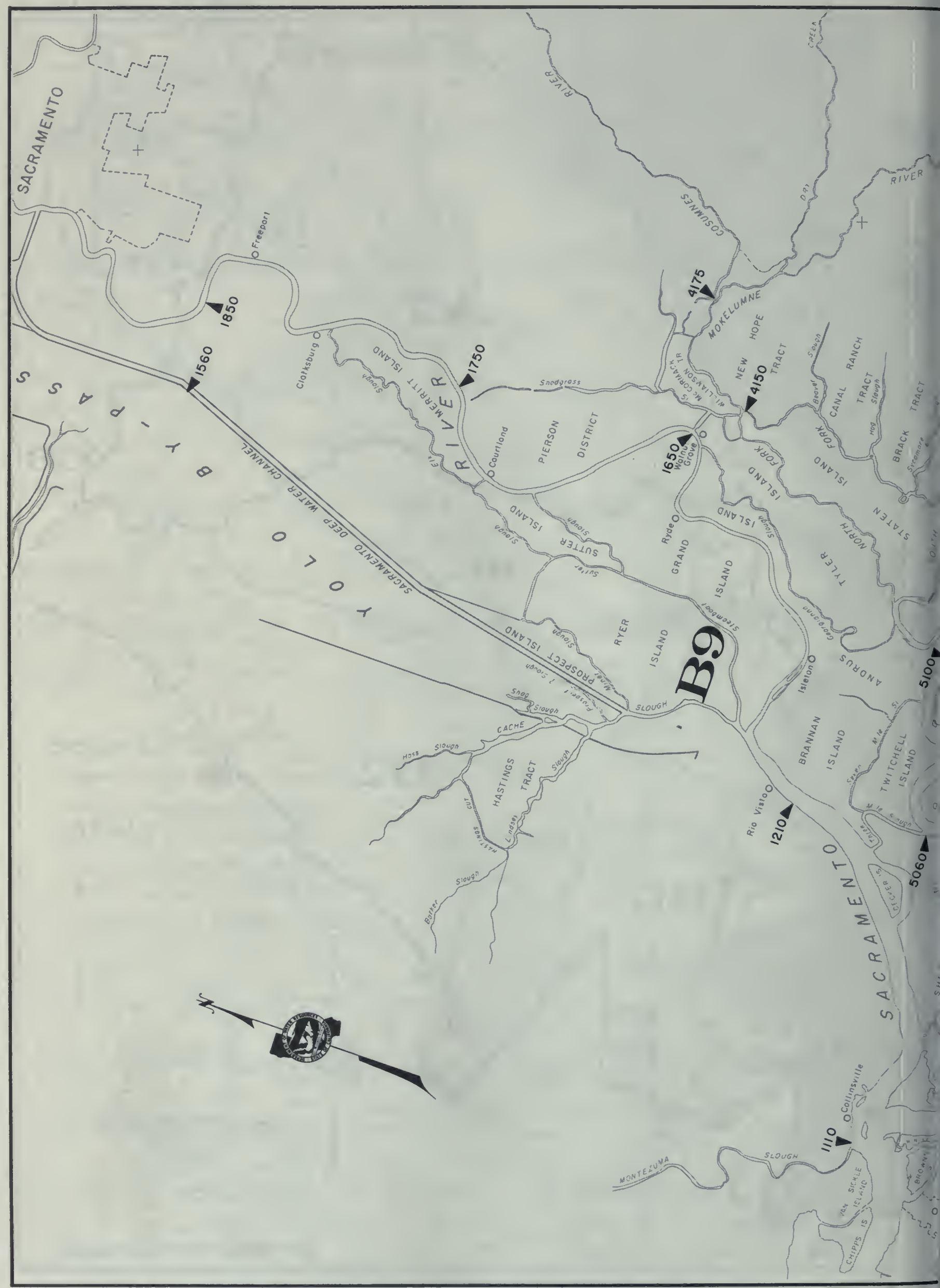


SURFACE WATER MEASUREMENT STATIONS 1969-70

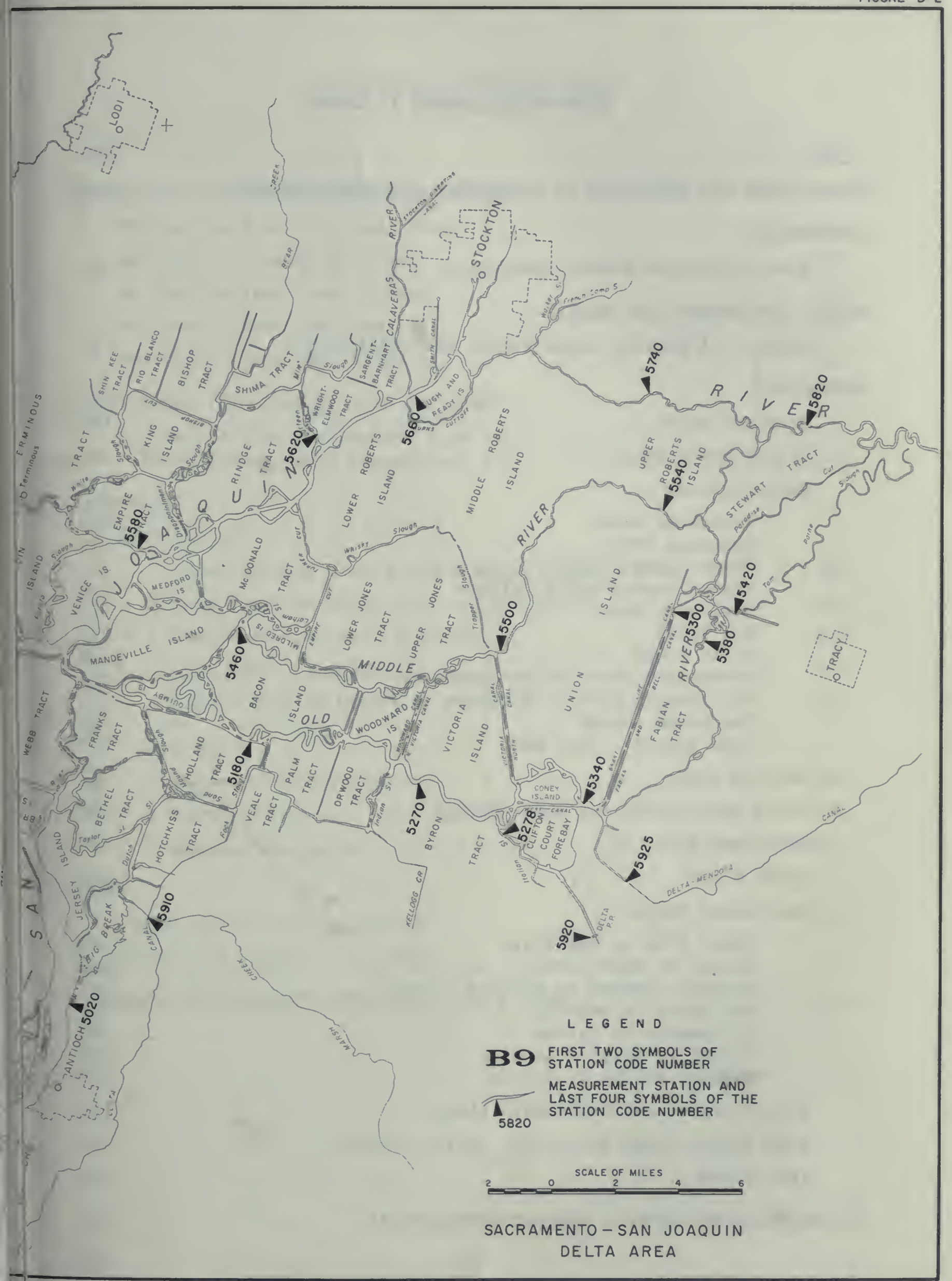
FIGURE B-1, sheet 3 of 3 sheets



SURFACE WATER MEASUREMENT STATIONS 1969-70



SURFACE WATER MEASUREMENT STATIONS 1969-70



SURFACE WATER MEASUREMENT STATIONS 1969-70

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American River at Fair Oaks	-	216	A07175
American River at Sacramento	-	217	A07140
Ash Creek at Adin	66	-	A18350
Bear Creek near Lodi	134	-	B02010
Bear Creek near Rumsey	121	-	A81250
Bear River near Wheatland	-	212	A06550
Bidwell Creek near Fort Bidwell	148	-	G12200
Big Chico Creek at Chico	75	-	A04250
Burney Creek near Burney	67	-	A15150
Butte Creek near Durham	82	-	A04265
Butte Slough near Meridian	95	199	A02972
Butte Slough at Outfall Gates	86	-	A02967
Cache Creek above Rumsey	122	-	A81200
Cache Creek at Yolo	-	219	A08125
Calaveras River near Stockton	131	-	B02520
California Aqueduct at Delta Pumping Plant	144,145,146	-	B95920
Cedar Creek at Cedarville	149	-	G15150
Cherokee Canal near Richvale	85	193	A02984
Clover Creek Bypass near Upper Lake	120	-	A89140
Colusa Basin Drain at Highway 20	91	196	A02976
Colusa Basin Drain at Knights Landing	92	197	A02945
Colusa Weir Spill to Butte Basin	80	-	A02981
Contra Costa Canal near Oakley	143	-	B95910
Cosumnes River at McConnell	140	225	B01125
Cosumnes River at Michigan Bar	-	224	B11150
Cottonwood Creek, North Fork, near Igo	68	-	A03545
Cottonwood Creek, South Fork, near Cottonwood	69	-	A03595
Deer Creek near Sloughhouse	139	-	B01580
Delta-Mendota Canal near Tracy	142	-	B95925
Dry Creek near Galt	138	-	B01520
Dry Creek near Ione	137	-	B21150
Dry Creek at Roseville	116	-	A00047
Duck Creek near Stockton	130	-	B0283.
Duck Creek Diversion near Farmington	127	-	B02920
Eagle Creek at Eagleville	150	-	G17150

ALPHABETICAL INDEX TO SURFACE WATER MEASUREMENT STATIONS (Continued)

	Streamflow and Station Description Page	Stage, Tide, Crests, and Station Description Page	Station Code Number
Eagle Lake near Susanville	-	226	G32100
Feather River near Gridley	112	208	A05165
Feather River, Middle Fork, near Merrimac	107	-	A55100
Feather River, Middle Fork, near Portola	102	-	A55420
Feather River at Nicolaus	-	213	A05103
Feather River at Oroville	110	207	A05191
Feather River below Shanghai Bend	114	211	A05120
Feather River. South Fork, at Ponderosa Dam	108	-	A56080
Feather River at Yuba City	-	209	A05135
Feather River, West Branch, near Paradise	106	-	A52250
Fremont Weir Spill to Yolo Bypass	94	-	A02930
French Camp Slough near French Camp	129	-	B02805
Grantline Canal at Tracy Road Bridge	-	248	B95300
Grindstone Creek near Elk Creek	77	-	A31302
Indian Creek near Taylorsville	105	-	A54370
Italian Slough near Mouth	-	247	B95278
Lassen Creek near Willow Ranch	64	-	A13060
Last Chance Creek at Dixie Refuge Damsite	104	-	A54750
Lindo Channel near Chico	76	-	A00600
Little Chico Creek near Chico	83,84	-	A04280
Little Chico Creek Diversion near Chico	81	-	A04910
Littlejohn Creek at Farmington	128	-	B02870
Long Valley Creek near Hallelujah Junction	152	-	G61705
Marsh Creek near Byron	147	-	B89100
Middle Creek near Upper Lake	118	-	A81810
Middle River at Bacon Island	-	243	B95460
Middle River at Borden Highway	-	242	B95500
Middle River at Mowry Bridge	-	241	B95540
Mokelumne River at Woodbridge	135	222	B02105
Mokelumne River near Thornton	-	251	B94175
Mokelumne River, South Fork, at New Hope Bridge	-	252	B94150
Mormon Slough at Bellota	130	-	B02560
Morrison Creek near Sacramento	141	-	A00020
Moulton Weir Spill to Butte Basin	79	-	A02986
Mud Creek near Chico	73	-	A04242

ALPHABETICAL INDEX TO SURFACE WATER MEASUREMENT STATIONS (Continued)

	Streamflow and Station Description Page	Stage, Tide, Crests, and Station Description Page	Station Code Number
Mud Creek Diversion at Chico	74	-	A00928
North Honcut Creek near Bangor	113	-	A05735
Old River near Byron	-	249	B95270
Old River at Clifton Court Ferry	-	246	B95340
Old River near Rock Slough	-	250	B95180
Old River at Tracy Road Bridge	-	244	B95380
Palermo Canal at Oroville Dam	109	-	A56911
Pine Creek near Alturas	65	-	A14100
Pine Creek near Susanville	151	-	G31140
Pope Creek near Pope Valley	123	-	A95010
Putah Creek near Winters	-	223	A91250
Putah Creek, South Fork, near Davis	124	-	A09115
Reclamation District 70 Drainage to Sacramento River	87	-	A02965
Reclamation District 108 Drainage to Sacramento River	89	-	A02933
Reclamation District 787 Drainage to Colusa Basin Drain	93	-	A02950
Reclamation District 787 Drainage to Sacramento River	90	-	A02955
Reclamation District 1500 Drainage to Sacramento Slough	100	-	A02926
Reclamation District 1660 Drainage to Sutter Bypass	98	-	A05922
Reclamation District 1660 Drainage to Tisdale Bypass	99	-	A02963
Red Bank Creek near Red Bluff	70	-	A03460
Red Clover Creek above Abbey Bridge Damsite	103	-	A54455
Sacramento River above Bend Bridge near Red Bluff	-	184	A02788
Sacramento River at Butte City	-	188	A02500
Sacramento River at Collinsville	-	235	B91110
Sacramento River at Colusa	-	192	A02420
Sacramento River at Colusa Weir	-	191	A02430
Sacramento River near Freeport	-	230	B91850
Sacramento River at Fremont Weir East End	-	206	A02160
Sacramento River at Fremont Weir West End	-	205	A02170
Sacramento River at Hamilton City	72	186	A02630

ALPHABETICAL INDEX TO SURFACE WATER MEASUREMENT STATIONS (Continued)

	Streamflow and Station Description Page	Stage, Tide, Crests, and Station Description Page	Station Code Number
Sacramento River at Keswick	-	183	A21010
Sacramento River at Knights Landing	-	198	A02200
Sacramento River at Moulton Weir	-	189	A02445
Sacramento River opposite Moulton Weir	-	190	A02450
Sacramento River at Ord Ferry	78	187	A02570
Sacramento River at Rio Vista	-	234	B91210
Sacramento River at Sacramento	117	215,229	A02100
Sacramento River at Sacramento Weir	-	228	A02105
Sacramento River at Snodgrass Slough	-	231	B91750
Sacramento River at Tisdale Weir	-	194	A02301
Sacramento River at Verona	-	214	A02150
Sacramento River at Vina Bridge	71	185	A02700
Sacramento River at Walnut Grove	-	232	B91650
Sacramento River below Wilkins Slough	-	195	A02280
Sacramento Slough at Sacramento River	101	-	A02925
Sacramento Weir Spill to Yolo Bypass	115	-	A02903
San Joaquin River at Antioch	-	255	B95020
San Joaquin River at Brandt Bridge	-	237	B95740
San Joaquin River at Mossdale Bridge	-	236	B95820
San Joaquin River at Rindge Pump	-	239	B95620
San Joaquin River at San Andreas Landing	-	253	B95100
San Joaquin River at Venice Island	-	240	B95580
San Joaquin River near Vernalis	126	222	B07020
Scotts Creek at Eickhoff Road near Lakeport	119	-	A81845
Scotts Creek at Upper Lake	-	218	A81820
State Pumping Plant 2 Drainage to Sutter Bypass	97	-	A05921
Stockton Diverting Canal at Stockton	133	-	B02580
Stockton Ship Channel at Burns Cutoff	-	238	B95660
Suisun Bay at Benicia	-	256	E03300
Sutter Bypass at Long Bridge	-	200	A05935

ALPHABETICAL INDEX TO SURFACE WATER MEASUREMENT STATIONS (Continued)

	Streamflow and Station Description Page	Stage, Tide, Crests, and Station Description Page	Station Code Number
Sutter Bypass at Reclamation District 1500 Pumping Plant	-	204	A02927
Sutter Bypass at State Pumping Plant 2	-	202,203	A05920
Sutter Creek near Sutter Creek	136	-	B21160
Thermalito Afterbay Release to Feather River near Oroville	111	-	A05975
Three Mile Slough at San Joaquin River	-	254	B95060
Tisdale Weir Spill to Sutter Bypass	88	-	A02960
Tom Paine Slough above Mouth	-	245	B95420
Wadsworth Canal near Sutter	96	201	A05929
Yolo Bypass near Lisbon	-	233	B91560
Yolo Bypass near Woodland	125	220	A02935
Yuba River near Marysville	-	210	A06150

HYDROGRAPHIC AREA CODE NUMBER INDEX TO SURFACE WATER MEASUREMENT STATIONS

Station Code Number		Streamflow and Station Description Page	Daily Stage, Major Crests, Reservoirs, and Station Description Page
HYDROGRAPHIC AREA A			
	Sacramento Valley Floor		
A00020	Morrison Creek near Sacramento	141	-
0047	Dry Creek at Roseville	116	-
0600	Lindo Channel near Chico	76	-
0928	Mud Creek Diversion at Chico	74	-
2100	Sacramento River at Sacramento	117	215,229
2105	Sacramento River at Sacramento Weir	-	228
2150	Sacramento River at Verona	-	214
2160	Sacramento River at Fremont Weir, East End	-	206
2170	Sacramento River at Fremont Weir, West End	-	205
2200	Sacramento River at Knights Landing	-	198
2280	Sacramento River below Wilkins Slough	-	195
2301	Sacramento River at Tisdale Weir	-	194
2420	Sacramento River at Colusa	-	192
2430	Sacramento River at Colusa Weir	-	191
2445	Sacramento River at Moulton Weir	-	189
2450	Sacramento River opposite Moulton Weir	-	190
2500	Sacramento River at Butte City	-	188
2570	Sacramento River at Ord Ferry	78	187
2630	Sacramento River at Hamilton City	72	186
2700	Sacramento River at Vina Bridge	71	185
2788	Sacramento River above Bend Bridge near Red Bluff	-	184
2903	Sacramento Weir Spill to Yolo Bypass	115	-
2925	Sacramento Slough at Sacramento River	101	-
2926	Reclamation District 1500 Drainage to Sacramento Slough	100	-
2927	Sutter Bypass at Reclamation District 1500 Pumping Plant	-	204
2930	Fremont Weir Spill to Yolo Bypass	94	-
2933	Reclamation District 108 Drainage to Sacramento River	89	-
2935	Yolo Bypass near Woodland	125	220
2945	Colusa Basin Drain at Knights Landing	92	197
2950	Reclamation District 787 Drainage to Colusa Basin Drain	93	-
2955	Reclamation District 787 Drainage to Sacramento River	90	-
2960	Tisdale Weir Spill to Sutter Bypass	88	-
2963	Reclamation District 1660 Drainage to Tisdale Bypass	99	-

HYDROGRAPHIC AREA CODE NUMBER INDEX TO SURFACE WATER MEASUREMENT STATIONS (Continued)

Station Code Number		Streamflow and Station Description Page	Daily Stage, Major Crests, Reservoirs, and Station Description Page
	Sacramento Valley Floor (Continued		
A02965	Reclamation District 70 Drainage to Sacramento River	87	-
2976	Butte Slough at Outfall Gates	86	-
2972	Butte Slough near Meridian	95	199
2976	Colusa Basin Drain at Highway 20	91	196
2981	Colusa Weir Spill to Butte Basin	80	-
2984	Cherokee Canal near Richvale	85	193
2986	Moulton Weir Spill to Butte Basin	79	-
3460	Red Bank Creek near Red Bluff	70	-
3545	Cottonwood Creek, North Fork, near Igo	68	-
3595	Cottonwood Creek, South Fork, near Cottonwood	69	-
4242	Mud Creek near Chico	73	-
4250	Big Chico Creek at Chico	75	-
4265	Butte Creek near Durham	82	-
4280	Little Chico Creek near Chico	83,84	-
4910	Little Chico Creek Diversion near Chico	81	-
5103	Feather River at Nicolaus	-	213
5120	Feather River below Shanghai Bend	114	211
5135	Feather River at Yuba City	-	209
5165	Feather River near Gridley	112	208
5191	Feather River at Oroville	110	207
5735	North Honcut Creek near Bangor	113	-
5920	Sutter Bypass at State Pumping Plant No. 2	-	202,203
5921	State Pumping Plant No. 2 Drainage to Sutter Bypass	97	-
5922	Reclamation District 1660 Drainage to Sutter Bypass	98	-
5929	Wadsworth Canal near Sutter	96	201
5935	Sutter Bypass at Longbridge	-	200
5975	Thermalito Afterbay Release to Feather River near Oroville	111	-
6150	Yuba River near Marysville	-	210
6550	Bear River near Wheatland	-	212
7140	American River at Sacramento	-	217
7175	American River at Fair Oaks	-	216
8125	Cache Creek at Yolo	-	219
9115	Putah Creek, South Fork , near Davis	124	-
	Pit River		
A13060	Lassen Creek near Willow Ranch	64	-
4100	Pine Creek near Alturas	65	-
5150	Burney Creek near Burney	67	-
8350	Ash Creek at Adin	66	-

HYDROGRAPHIC AREA CODE NUMBER INDEX TO SURFACE WATER MEASUREMENT STATIONS (Continued)

Station Code Number		Streamflow and Station Description Page	Daily Stage, Major Crests, Reservoirs, and Station Description Page
	Shasta Lake		
A21010	Sacramento River at Keswick	-	183
1051	Inflow to Shasta Lake	-	264
	Sacramento Valley Westside		
A31302	Grindstone Creek near Elk Creek	77	-
6171	Inflow to Whiskeytown Lake	-	265
	Feather River		
A51141	Lake Oroville near Oroville	-	261
2250	Feather River, West Branch, near Paradise	106	-
4370	Indian Creek near Taylorsville	105	-
4455	Red Clover Creek above Abbey Bridge Damsite	103	-
4473	Antelope Lake near Boulder Creek Guard Station	-	260
4750	Last Chance Creek at Dixie Refuge Damsite	104	-
5100	Feather River, Middle Fork, near Merrimac	107	-
5383	Lake Davis near Portola	-	259
5420	Feather River, Middle Fork, near Portola	102	-
5527	Frenchman Lake near Chilcoot	-	258
6080	Feather River, South Fork, at Ponderosa Dam	108	-
6911	Palermo Canal at Oroville Dam	109	-
	Yuba-Bear Rivers		
A65105	Camp Far West Reservoir near Sheridan	-	262
	American River		
A71121	Inflow to Folsom Lake	-	266
	Cache Creek		
A81200	Cache Creek above Rumsey	122	-
1250	Bear Creek near Rumsey	121	-
1810	Middle Creek near Upper Lake	118	-
1820	Scotts Creek at Upper Lake	-	218
1845	Scotts Creek at Eickhoff Road near Lakeport	119	-
1940	Clover Creek Bypass near Upper Lake	120	-

HYDROGRAPHIC AREA CODE NUMBER INDEX TO SURFACE WATER MEASUREMENT STATIONS (Continued)

Station Code Number		Streamflow and Station Description Page	Daily Stage, Major Crests, Reservoirs, and Station Description Page
	Putah Creek		
A91250	Putah Creek near Winters	-	223
5010	Pope Creek near Pope Valley	123	-
HYDROGRAPHIC AREA B			
	San Joaquin Valley Floor		
B01125	Cosumnes River at McConnell	140	225
1520	Dry Creek near Galt	138	-
1580	Deer Creek near Sloughhouse	139	-
2010	Bear Creek near Lodi	134	-
2105	Mokelumne River at Woodbridge	135	223
2520	Calaveras River near Stockton	131	-
2560	Mormon Slough at Bellota	132	-
2580	Stockton Diverting Canal at Stockton	133	-
2805	French Camp Slough near French Camp	129	-
2835	Duck Creek near Stockton	130	-
2870	Littlejohn Creek at Farmington	128	-
2920	Duck Creek Diversion near Farmington	127	-
7020	San Joaquin River near Vernalis	126	222
	Cosumnes River		
B11150	Cosumnes River at Michigan Bar	-	224
	Mokelumne-Calaveras Rivers		
B21150	Dry Creek near Ione	137	-
1160	Sutter Creek near Sutter Creek	136	-
	San Joaquin Valley Westside		
B89100	Marsh Creek near Byron	147	-
	Sacramento-San Joaquin Delta		
B91110	Sacramento River at Collinsville	-	235
1210	Sacramento River at Rio Vista	-	234
1560	Yolo Bypass near Lisbon	-	233
1650	Sacramento River at Walnut Grove	-	232
1750	Sacramento River at Snodgrass Slough	-	231
1850	Sacramento River near Freeport	-	230
4150	Mokelumne River, South Fork, at New Hope Bridge	-	252

HYDROGRAPHIC AREA CODE NUMBER INDEX TO SURFACE WATER MEASUREMENT STATIONS (Continued)

Station Code Number		Streamflow and Station Description Page	Daily Stage, Major Crests, Reservoirs, and Station Description Page
	Sacramento-San Joaquin Delta (Continued)		
B94175	Mokelumne River near Thornton	-	251
5020	San Joaquin River at Antioch	-	255
5060	Three Mile Slough at San Joaquin River	-	254
5100	San Joaquin River at San Andreas Landing	-	253
5180	Old River near Rock Slough	-	250
5270	Old River near Byron	-	249
5278	Italian Slough near Mouth	-	247
5300	Grantline Canal at Tracy Road Bridge	-	248
5340	Old River at Clifton Court Ferry	-	246
5380	Old River at Tracy Road Bridge	-	244
5420	Tom Paine Slough above Mouth	-	245
5460	Middle River at Bacon Island	-	243
5500	Middle River at Borden Highway	-	242
5540	Middle River at Mowry Bridge	-	241
5580	San Joaquin River at Venice Island	-	240
5620	San Joaquin River at Rindge Pump	-	239
5660	Stockton Ship Channel at Burns Cutoff	-	238
5740	San Joaquin River at Brandt Bridge	-	237
5820	San Joaquin River at Mossdale Bridge	-	236
5910	Contra Costa Canal near Oakley	143	-
5920	California Aqueduct at Delta Pumping Plant	144,145,146	-
5925	Delta-Mendota Canal near Tracy	142	-
	HYDROGRAPHIC AREA E		
	San Francisco Bay		
E03300	Suisun Bay at Benicia	-	256
	HYDROGRAPHIC AREA G		
	Surprise Valley		
G12200	Bidwell Creek near Fort Bidwell	148	-
5150	Cedar Creek at Cedarville	149	-
7150	Eagle Creek at Eagleville	150	-

HYDROGRAPHIC AREA CODE NUMBER INDEX TO
SURFACE WATER MEASUREMENT STATIONS
(Continued)

Station Code Number		Streamflow and Station Description Page	Daily Stage, Major Crests, Reservoirs and Station Description Page
	Eagle Lake		
G31140	Pine Creek near Susanville	151 . . .	-
2100	Eagle Lake near Susanville	- . . .	226
	Herlong		
G61705	Long Valley Creek near Hallelujah Junction	152 . . .	-

TABLES B-1 AND B-2

UNIMPAIRED RUNOFF

Unimpaired runoff is defined as the flow that occurs naturally at a point in a stream if there are: (1) no upstream controls such as dams or reservoirs; (2) no diversions or unnatural accretions; and (3) no change in ground water storage resulting from development. The computed natural or unimpaired runoff values are considered to be the flows that would occur if no impairments were upstream from the measurement point.

TABLE B-1

ANNUAL UNIMPAIRED RUNOFF

In Percent of Average

	Sacramento and San Joaquin Rivers to Delta (a)	Sacramento River near Red Bluff	Sacramento River at Sacramento (a)	Feather River Near Oroville	Yuba River at Smartville	American River at Fair Oaks	Mokelumne River near Mokelumne Hill	San Joaqui River near Vernalis (a)
Average Annual Runoff (b)	23,229	7,950	17,072	4,286	2,266	2,570	704	5,453
1929-30	74	77	79	92	80	64	65	60
1930-31	34	41	36	34	28	28	30	30
1931-32	88	64	77	78	93	101	106	121
1932-33	55	58	52	47	48	49	60	62
1933-34	48	57	51	47	44	44	42	42
1934-35	102	94	97	100	99	100	100	118
1935-36	107	89	102	100	114	132	127	119
1936-37	88	75	78	74	82	91	99	120
1937-38	191	185	186	201	178	175	176	206
1938-39	49	55	48	43	40	41	48	53
1939-40	129	132	131	132	126	132	122	121
1940-41	154	180	159	151	138	122	119	146
1941-42	145	142	148	155	150	152	140	136
1942-43	127	107	124	131	138	151	143	134
1943-44	64	59	61	67	62	57	63	72
1944-45	96	84	88	87	93	98	110	121
1945-46	103	101	103	98	106	111	106	105
1946-47	61	64	61	59	60	55	56	63
1947-48	89	96	92	90	89	87	90	77
1948-49	70	76	70	61	66	72	73	70
1949-50	85	72	85	90	98	104	107	84
1950-51	135	114	134	133	156	180	165	133
1951-52	169	145	168	186	182	194	188	171
1952-53	108	122	118	122	113	103	97	80
1953-54	90	117	102	99	85	78	75	79
1954-55	64	71	64	58	57	61	62	64
1955-56	176	167	175	186	175	181	177	178
1956-57	85	90	87	85	86	83	85	79
1957-58	168	190	174	163	156	159	151	153
1958-59	66	85	71	67	55	48	53	55
1959-60	71	81	76	75	75	65	59	54
1960-61	62	90	70	62	50	41	40	39
1961-62	92	94	89	85	85	80	91	103
1962-63	130	125	135	146	145	138	124	115
1963-64	62	66	64	60	65	63	61	58
1964-65	151	130	150	162	171	174	170	149
1965-66	75	92	76	67	63	54	65	73
1966-67	151	132	141	147	146	154	162	183
1967-68	73	87	80	81	69	66	58	54
1968-69	172	149	154	166	144	160	189	223
1969-70 (c)	131	148	140	142	129	123	126	102

(a) Figures were computed from summations of unimpaired runoff at foothill stations on major tributaries only and do not include runoff from minor tributaries and from valley floor.

(b) Average unimpaired runoff in thousands of acre-feet computed from the 50-year period October 1920 through September 1970.

(c) Preliminary data subject to revision.

TABLE B-2

MONTHLY UNIMPAIRED RUNOFF

In Percent of Average

Month		Sacramento and San Joaquin Rivers to Delta (a)	Sacramento River near Red Bluff	Sacramento River at Sacramento (a)	Feather River Near Oroville	Yuba River at Smartville	American River at Fair Oaks	Mokelumne River near Mokelumne Hill	San Joaquin River near Vernalis (a)
October 1969	Percent	124	120	112	111	76	72	250	235
	Average	508	292	458	107	34	25	4	46
November 1969	Percent	73	78	70	75	42	49	75	91
	Average	883	424	749	170	80	75	16	118
December 1969	Percent	171	177	181	191	191	172	167	106
	Average	1,906	837	1,615	378	201	199	39	252
January 1970	Percent	450	410	459	532	521	480	531	308
	Average	2,403	1,106	2,085	464	246	269	45	300
February 1970	Percent	108	107	108	120	93	104	143	80
	Average	2,867	1,274	2,411	541	287	309	56	400
March 1970	Percent	108	107	106	118	99	94	112	113
	Average	2,886	1,093	2,315	576	295	351	72	499
April 1970	Percent	54	56	51	50	45	46	59	61
	Average	3,552	1,005	2,563	720	382	456	127	862
May 1970	Percent	77	75	68	62	64	71	97	89
	Average	3,888	684	2,285	658	425	518	195	1,408
June 1970	Percent	86	120	85	69	59	71	95	86
	Average	2,451	437	1,262	331	218	276	121	1,068
July 1970	Percent	82	107	90	78	62	59	77	71
	Average	963	298	570	153	55	64	22	371
August 1970	Percent	104	121	108	83	122	56	100	83
	Average	485	251	392	103	23	16	4	89
September 1970	Percent	98	116	106	105	21	25	25	78
	Average	401	247	362	85	19	12	2	36
1969-70 Water Year	Percent	131	148	140	142	129	123	126	102
	Average	23,229	7,950	17,072	4,286	2,266	2,570	704	5,453

a) The percent values are preliminary, subject to revision.
Average unimpaired runoff in thousands of acre-feet computed from the 50-year period October 1920 through September 1970.
Figures were computed from summations of unimpaired runoff at foothill stations on major tributaries only and do not include runoff from minor tributaries and from the valley floor.

TABLE B-3

SUMMARY OF WATER SUPPLY AND UTILIZATION
SACRAMENTO-SAN JOAQUIN DELTA

This table presents in thousands of acre-feet the correlation of water supply and use for the Sacramento-San Joaquin Delta Service Area.

The Delta Service Area is a natural hydrographic subdivision which is comprised of two subareas. One is the Delta Lowlands which are those lands within a boundary located approximately at the 5-foot contour; the Delta Uplands are those lands outside the Delta Lowland boundary which are served by water from the lowland channels.

The water supply available to the Delta Service Area is the sum of the measured inflow and the precipitation. The measured inflow is determined from 15 gaging stations listed in the table. The precipitation is determined by the Thiessen Balance Method for stations located at Davis, Galt, Rio Vista, Lodi, Brentwood, Stockton, and Tracy S. P. "Water Utilization" in the same table includes agricultural use, evaporation, exports through the California Aqueduct, Delta Mendota and Contra Costa Canals, and diversion for the City of Vallejo. Agricultural use in the uplands is determined by direct measurement of diversions; however, in the lowlands, because it cannot be measured directly, agricultural use is computed by unit values of consumptive use of the various crops, multiplied by the acreages. Unit values of consumptive use were derived from experimental work by the University of California and California Extension Service as reported in Bulletin No. 27, "Variations and Control of Salinity in Sacramento-San Joaquin Delta and Upper San Francisco Bays". Crop acreage values used in this table were determined from a survey made in 1960 and 1961.

TABLE B-3

SUMMARY OF MONTHLY WATER SUPPLY AND UTILIZATION
SACRAMENTO-SAN JOAQUIN DELTA
(In thousands of acre-feet)

Item	Record on Page No.	1969			1970									Water Year Total
		OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
WATER SUPPLY														
Measured Inflow														
Sacramento River at Sacramento	117	1,026	1,008	2,168	4,320	3,669	2,718	870	877	701	810	921	1,102	20,190
Sacramento Weir Spill to Yolo Bypass	115	0	0	0	430	23	0	0	0	0	0	0	0	453
Yolo Bypass near Woodland	125	1	1	389	5,317	1,667	122	4	1	1	0	1	3	7,507
South Fork Putah Creek near Davis	124	0	0	1	290	142	61	4	2	1	1	0	0	502
Morrison Creek near Sacramento	141	0	0	2	8	1	1	0	0	1	0	0	0	13
Cosumnes River at McConnell	140	1	3	26	210	67	85	26	20	6	1	0	0	445
Dry Creek near Galt	138	0	0	7	51	15	29	4	1	0	0	0	1	108
Mokelumne River at Woodbridge	135	59	22	11	130	150	53	4	3	5	17	15	19	488
Bear Creek near Lodi	134	1	0	1	13	1	0	0	0	0	0	0	0	16
Calaveras River near Stockton	131	0	0	1	2	1	2	1	1	1	1	1	1	12
Stockton Diverting Canal at Stockton	133	1	0	0	115	11	42	0	0	0	0	0	1	170
Duck Creek near Stockton	130	0	0	0	2	0	1	0	0	0	0	0	0	3
French Camp Slough near French Camp	129	5	0	1	38	4	18	4	4	3	1	2	4	84
San Joaquin River near Vernalis	126	274	275	247	684	510	442	99	147	161	82	64	79	3,064
Marsh Creek near Byron	147	0	0	0	6	1	1	0	0	0	0	0	0	8
Precipitation		56	45	215	352	64	81	11	4	11	0	0	0	839
TOTAL WATER SUPPLY		1,368	1,309	2,854	11,616	6,262	3,575	1,016	1,056	880	913	1,004	1,210	33,063
WATER UTILIZATION														
Consumptive Use in Delta Lowlands		97	58	32	36	53	79	118	137	182	214	203	146	1,355
Exportations														
Delta-Mendota Canal	142	100	22	0	25	82	108	217	219	252	273	219	136	1,653
Contra Costa Canal	143	6	5	6	3	5	4	8	10	12	13	13	9	94
City of Vallejo	181	1	1	1	1	1	1	1	1	1	2	2	1	14
California Aqueduct	181	17	37	45	40	21	27	52	17	34	35	51	38	414
Delta Uplands Diversions														
Old River	170	4	0	0	0	0	3	17	21	23	25	25	15	133
Tom Paine Slough	170	1	1	0	0	0	2	3	3	4	4	3	2	23
French Camp Slough below French Camp	171	0	0	0	0	0	0	0	0	0	1	0	0	1
San Joaquin River (Stockton to Vernalis)	171	2	1	1	0	1	5	15	14	14	16	16	10	95
Sacramento River below Sacramento	175	0	0	0	0	0	0	0	0	0	1	1	1	3
Yolo Bypass (West Cut)	175	6	2	1	0	0	0	2	4	6	8	7	5	41
Calaveras River	173	0	0	0	0	0	0	0	0	0	0	0	0	0
Mokelumne River below Woodbridge	173	1	0	0	0	0	0	1	2	3	3	3	2	15
Cosumnes River below McConnell	174	0	0	0	0	0	0	1	1	1	2	1	1	7
Putah Creek	176	0	0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous	176	7	2	1	0	0	1	13	17	18	19	20	14	112
TOTAL WATER UTILIZATION		242	129	87	105	163	230	448	446	550	616	564	380	3,960

TABLE B-4

GAGING STATION ADDITIONS
AND DISCONTINUATIONS

Additional Stations	
Delta Pumping Plant	10- 1-67
Long Valley Creek near Hallelujah Junction	10- 1-69
Middle Fork Feather River near Merrimac	10- 1-69
South Fork Feather River at Ponderosa Dam	10- 1-69
West Branch Feather River near Paradise	10- 1-69
Discontinued Stations	
Colusa Basin Drain near College City	9-30-69
Italian Slough near Byron	11-20-69
Kellogg Creek near Byron	10- 2-69
Long Valley Creek near Doyle	9-30-69
Rock Slough at Contra Costa Canal Intake	10- 2-69
Sacramento River at Elkhorn Ferry	10- 9-69
Sacramento River at Meridian	9-30-69
Sacramento River at R. D. 70 Pumping Plant	9-30-69
Sacramento River above R. D. 108 Pumping Plant	9-30-69
Sacramento River near Rough and Ready Bend	9-30-69
Three Mile Slough at Sacramento River	11- 3-69
Tisdale Bypass at R. D. 1660 Pumping Plant	9-30-69
Yolo Bypass at Liberty Island	10-31-69
Publication Discontinued	
Butte Slough at Outfall Gates	
Daily Mean Gage Heights discontinued	9-30-69
Daily Mean Discharges will continue to be published	
Sacramento River opposite Moulton Weir	
Daily Mean Discharges discontinued	9-30-69
Daily Mean Gage Heights will continue to be published	
South San Joaquin Irrigation District Drain 11 near Manteca	9-30-69
South San Joaquin Irrigation District Main Drain near French Camp	9-30-69
Yuba River at Englebright Dam	9-30-69
Published Data from Prior Years	
Delta Pumping Plant	1967-68, 1968-69
Little Chico Creek near Chico	1968-69
Sutter Bypass at State Pumping Plant No. 2	1968-69

TABLE B-5

DAILY MEAN DISCHARGE

The streamflow table for each stream or stream system is arranged in downstream order. Stations on a tributary entering between two main stem stations are listed between those stations, and in downstream order on that tributary. A stream gaging station is named after the stream and the nearest post office (Feather River at Yuba City) or well-known landmark (San Joaquin River at Brandt Bridge).

The discharge estimated for periods of no record or invalid record are shown with the letter "E". Also qualified by the letter "E" are discharges obtained from extended ratings which exceed 140 percent of the highest measured flow-rate on which the rating curve was based.

The discharge figures in this table have been rounded off as follows:

Daily Flows - Second-Feet

0.0	- 9.9	nearest	Tenth
10	- 999	"	Unit
1,000	- 9,999	"	Ten
10,000	- 99,999	"	Hundred
100,000	- 999,999	"	Thousand

Monthly Means - Second-Feet

0.0	- 99.9	nearest	Tenth
100	- 9,999	"	Unit
10,000	- 99,999	"	Ten
100,000	- 999,999	"	Hundred

Yearly Totals - Acre-Feet

0.0	- 9,999	nearest	Unit
10,000	- 99,999	"	Ten
100,000	- 999,999	"	Hundred
1,000,000	- 9,999,999	"	Thousand

The streamflow data received from cooperating agencies do not necessarily adhere to the above criteria.

Daily flow data computed by machines is rounded as listed above. Monthly means, monthly acre-feet, and yearly totals are not rounded in these cases.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A13060	LASSEN CREEK NEAR WILLOW RANCH

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.2	1.8	4.6	11	34	19	21	18	25	9.1	2.3	1.1	1
2	1.2	1.8	3.6	13	31	16	20 *	17	24	8.4	2.7	1.1*	2
3	1.3	1.8	3.1*	10	30	16	19	18	23	7.9	2.8	1.1	3
4	1.3	1.8*	3.2	11	28	16 *	18	21	22	7.5	2.6	1.2	4
5	1.3	4.2	3.9	30	28	16	18	25 *	20	7.5	2.5	1.8	5
6	1.3	3.0	2.0	15 *	27	17	19	29	21	7.7	2.4	1.5	6
7	1.3	2.4	5.0	4.1	26	26	20	30	22	6.6	2.3	1.3	7
8	1.9	2.0	3.5	8.9	25	39	20	47	22	6.3	2.1	1.2	8
9	2.0	2.0	1.9	18	24	30	20	75	22	6.0	1.9	1.1	9
10	1.8	2.3	1.9	30	23	33	22	77	25	5.6	1.9	1.1	10
11	1.6	2.3	1.9	34	27	28	21	70	20	5.5	2.0	1.1	11
12	1.5	2.1	4.3	28	30	29	20	66	19	5.2	2.0	1.1	12
13	1.4	2.0	7.0	45	28	32	21	64	18	5.0	1.9	1.1	13
14	1.7	1.9	4.8	31	28	38	22	57	20 *	4.7	1.9	1.1	14
15	2.1	2.0	3.2	8.8	26	35	22	52	17	4.6	1.7	1.2	15
16	4.3	2.0	2.6	28	25	35	20	50	15	4.2	1.7	1.1	16
17	3.8	1.6	2.4	36	25	33	18	50	15	4.3	1.6	1.0	17
18	2.4	2.4	2.2	28	24	31	16	51	13	4.2	1.5	0.9	18
19	1.9	2.7	5.5	23	20	31	18	51	12	4.0	1.3	1.1	19
20	2.1	3.3	11	25	20	30	17	49	12	4.1	1.3	1.2	20
21	2.1	3.6	29	67	19	29	15	46	11	4.1	1.5	1.2	21
22	1.9	4.3	12	139	19	27	14	43	10	4.0	1.5	1.1	22
23	1.8	3.3	5.4	194 *	18	27	14	41	9.8	3.8	1.4	1.1	23
24	1.8	4.3	6.4	213	17	26	13	38	9.3	3.7	1.4	1.1	24
25	1.8	3.5	5.5	106	17	26	13	37	9.2	3.6	1.4	1.1	25
26	1.7	4.4	4.8	88	16	25	15	36	9.7	3.5	1.3	1.1	26
27	1.8	4.4	5.6	76	15	24	15	35	12	3.2*	1.3	1.1	27
28	1.7	4.2	8.0	56	17	24	14	33	17	2.8	1.3	1.0	28
29	1.7	2.5	7.6	49		23	16	31	12	2.6	1.3	1.0	29
30	1.8	2.0	7.6	42		23	19	29	10	2.5	1.3	1.0	30
31	1.8		9.5	37		22		27		2.3	1.2		31
MEAN	1.8	2.7	5.8	48.5	23.8	26.6	18.0	42.4	16.6	5.0	1.8	1.1	MEAN
MAX.	4.3	4.4	29.0	213	34.0	39.0	22.0	77.0	25.0	9.1	2.8	1.8	MAX.
MIN.	1.2	1.6	1.9	4.1	15.0	16.0	13.0	17.0	9.2	2.3	1.2	0.9	MIN.
AC. FT.	114	162	355	2985	1323	1638	1071	2604	986	306	110	68	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
16.2	392	7.64	01	23	2200	0.8	1.70	09	30	2100	11722

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
41 53 02	120 20 27	SE27 47N 14E	392	7.46	1/23/70	JUN 61-DATE	JUN 61-DATE	1961		0.00	LOCAL

Station located at U. S. Highway 395 culvert, approximately 2 mi. SE of Willow Ranch. Tributary to Goose Lake. Stage-discharge relationship affected by ice at times. Small amount of diversion above station. Drainage area is 25.7 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A14100	PINE CREEK NEAR ALTURAS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	13	15	10			13	15	28	75	41	14	12 *	1
2	14	15	9.9			13	15	23	70	39	14	12	2
3	14	15	9.4*			13	15 *	24	69	37	14	12	3
4	14	15	9.2			13 *	15	27	69	35	14	12	4
5	14	15 *	9.2			14	15	30	70	34	14	12	5
6	14	13	11			15	16	30 *	71	32	14	12	6
7	14	13	9.7			16	16	29	71	30	14	12	7
8	14	13	9.2			17	16	32	70	29	14	11	8
9	15	12	8.5			18	16	32	68	28	13	11	9
10	15	12	8.3	N	N	19	17	33	71	27	13	11	10
11	14	12	8.5	O	O	21	17	34	61	26	13	11	11
12	14	12	9.2			19	16	31	58	25	12	11	12
13	14	12	8.9			20	17	33	56	24	12	11	13
14	15	11	8.5			19	17	32	54 *	23	13	11	14
15	15	11	8.3	R	R	18	17	34	50	22	13	11	15
16	18	12	8.3	E	E	17	17	38	47	22	12	11	16
17	17	11	8.3	C	C	17	17	45	45	21	12	11	17
18	16	11	8.5	O	O	16	17	46	44	20	12	11	18
19	15	11	12			15	17	47	42	20	12	11	19
20	16	11	20	R	R	16	16	51	42	19	12	11	20
21	16	11	37	D	D	15	16	59	42	19	12	11	21
22	15	10	72			15	16	68	44	18	12	11	22
23	15	10	65			15	16	74	45	17	12	11	23
24	15	10	53			16	16	80	46	17	12	10	24
25	15	9.8	42			16	16	89	47	17	12	10	25
26	15	9.6	36			16	17	97	48	16	12	10	26
27	15	9.3	33			16	15	99	49	15	12	10	27
28	15	9.1	29			16	17	100	49	15 *	12	10	28
29	15	11	26			15	21	99	45	15	12	10	29
30	15	11	24			15	39	89	43	15	12	10	30
31	15		23			15		80		15	12		31
MEAN	14.9	11.8	20.5	22.4		16.1	17.1	52.0	55.4	23.6	12.7	11.0	MEAN
MAX.	18.0	15.0	72.0			21.0	39.0	100	75.0	41.0	14.0	12.0	MAX.
MIN.	13.0	9.1	8.3			13.0	15.0	23.0	42.0	15.0	12.0	10.0	MIN.
AC. FT.	914	700	1259			990	1018	3199	3295	1454	780	655	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
41 25 59	120 26 32	SW35 42N 13E	264 E	3.26	6/9/64	NOV 57-DATE	NOV 47-DATE	1957		0.00	LOCAL

Station located approximately 0.3 mi. N of Pine Creek Boulevard, 6.1 mi. SE of Alturas. Tributary to Pit River. Stage-discharge relationship affected by ice at times. Station discontinued in October 1963, reinstalled April 16, 1964 at a site approximately 2,000 feet downstream. Flow affected by Pine Creek Reservoir. Drainage area is 23.9 sq. mi.

61.89 Km²

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A18350	ASH CREEK AT ADIN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	22	28	28	42	359	210	93	38	62	34	22	9.6*	1
2	21	28	27	37	276	153	91	39	56	21	21	10	2
3	23	28	28	33	303	139	88 *	40	50	21	21	10 *	3
4	24	28 *	27 *	39	324	139	85	43	46	21	21	13	4
5	24	38	26	34	295	131	83	41	38	22	20	16	5
6	23	37	27	35	236	135	81	46 *	38	20	19	16	6
7	24	32	28	45	200	266	79	43	39	19	28	14	7
8	27	31	28	48	179	662	78	41	41	19	35	13	8
9	26	30	29	60	164	408	76	44	41	18	32	12	9
10	26	30	28	82	146	345	74	41	36	18	30	14	10
11	25	30	30	80	138	283 *	73	42	38	18	30	15	11
12	24	31	97	109	155	242	72	39	39	18	30	15	12
13	24	30	64	327	157	218	70	38	40	17	30	16	13
14	27	29	36	998	148	206	69	40	49 *	18	27	17	14
15	30	29	33	509	133	182	69	37	50	17	23	18	15
16	48	29	31	1,440	141	168	66 *	45	46	18	28	18	16
17	52	27	30	1,600	265	161	60	63	36	19	29	18	17
18	41	27	30	893	185	155	58	76	24	21	28	19	18
19	30	28	230	621	144	150	61	74	19	18	28	23	19
20	28	28	235	486	134	146	56	97	18	26	25	22	20
21	26	28	785	673	129	142	54	102	13	29	23	21	21
22	28	28	227	972	126	138	48	108	15	25	24	22	22
23	28	27	120	1,990 *	113	135	46	101	18	20	36	21	23
24	28	27	131	2,160 *	106	132	38	100	18	24	37	19	24
25	34	27	267	1,280	97	126	37	99	18	23	31	19	25
26	30	27	143	944	94	117	36	75	23	23	20	20	26
27	29	27	93	1,550	90	112	35	69	32	23	11	21	27
28	40	27	66	878	104	108	36	68	50	23 *	14	21	28
29	30	28	55	566		104	40	66	44	23	17	21	29
30	30	29	49	492		100	39	63	33	22	11	22	30
31	29		44	386		96		63		21	9.5		31
MEAN	29.1	29.1	99.1	626	176	187	63.0	60.7	35.7	21.3	24.5	17.2	MEAN
MAX.	52.0	38.0	785	2,160	359	662	93.0	108	62.0	34.0	37.0	23.0	MAX.
MIN.	21.0	27.0	26.0	33.0	90.0	96.0	35.0	37.0	13.0	17.0	9.5	9.6	MIN.
AC. FT.	1787	1732	6093	38497	9800	11522	3751	3731	2122	1307	1508	1023	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
114.5	2950	14.69	01	24	0100	7.6	4.64	08	27	1915	82874

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
41 11 54	120 56 30	SW21 39N 9E	2950	14.69	1/24/70	MAR 37-SEP 57ȣ SEP 57-DATE	MAR 37-SEP 57 ȣ SEP 57-DATE	1957		0.00	LOCAL

Station located 300 feet above State Highway 299 bridge. Tributary to Pit River. Stage-discharge relationship affected by ice at times. Flow affected by upstream diversion. Drainage area is 258 sq. mi.

ȣ - Irrigation season only.

668.16 km²

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A15150	BURNEY CREEK NEAR BURNEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	15	20	21	63	445	263	84	67	13	3.7	8.4	14	1
2	15	19	20	51	385	216	82	58	12	3.7	11	15	2
3	15	19	20	44	314	190	79	45	11	3.7	16	14	3
4	14	19	20 *	39	280	187	78	45	8.0	3.7	15	13 *	4
5	14	76	20	36	266	178	75	44	7.5	3.7	16	11	5
6	14	50	20	32	246	174	74	42 *	8.0	3.7	17	11	6
7	13	46	20	28	230	202	75	44	9.7	3.7	29	12	7
8	14	38	23	32	215	342	70	43	11	3.7	28	12 *	8
9	14	33	24	72	200	253	65	57	13	3.7	27	11	9
10	16	30	27	204	186 *	215	61	52	23	3.7	25	9.1	10
11	15	29	63	149	172	185	61	47	14	3.7	24	8.6	11
12	15	28	477	175	219	173	58	48	14	3.7	23	10	12
13	15	28 *	326	467	230	171	58	48	35	3.7	23	10	13
14	17	24	136	1,070	203	182	57	44	77	3.8	21	10	14
15	18	23	102	646	186	171	54	42	54	3.8	22	10	15
16	30	23	83	1,160	273	159	56	39	39	6.5	21	10	16
17	41	22	80	1,170	336	139 *	53 *	36	29	11	20	9.3	17
18	41	22	76	920	228	128	40	35	25 *	12	20	10	18
19	38	22	524	721	197	123	65	34	23	15	19	19	19
20	36	22	657	681 *	183	117	61	33	21	18	18	17	20
21	34	21	1,090	1,120 *	180	114	55	30	28	15	17	14	21
22	32	21	542	1,410	174	110	50	26	28	13	17	8.1	22
23	30 *	21	300	3,370 *	169	106	48	23	25	16 *	17	8.1	23
24	28	22	251	2,750 *	168	105	46	21	20	15	17	9.6	24
25	27	22	333	1,400	180	102	44	20	29	14	18	12	25
26	25	21	217	1,130	180	100	57	19	32	14	17	13	26
27	24	21	151	1,600	150	94	69	16	35	13	15	16	27
28	23	21	116	914	171	92	63	15	45	12	15	18	28
29	22	20	99	749		91	56	15	7.0	12	15	15	29
30	21	20	83	623		88	64	15	3.7	11	14	11	30
31	20		69	526		86 *		14		10	14		31
MEAN	22.5	26.8	193	753	227	156	61.9	36.0	23.3	8.5	18.7	12.0	MEAN
MAX.	41.0	76.0	1,090	3,370	445	342	84.0	67.0	77.0	18.0	29.0	19.0	MAX.
MIN.	13.0	19.0	20.0	28.0	150	86.0	40.0	14.0	3.7	3.7	8.4	8.1	MIN.
AC. FT.	1380	1593	11881	46318	12627	9632	3685	2216	1388	522	1149	716	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
= — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
128.6	4910	15.89	01	23	2200	3.7	6.04	06	29	2330	93107

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 52 18	121 40 58	SW19 35N 3E	4910	15.89	1/23/70	APR 58-DATE	APR 58-DATE	1958		0.00	LOCAL

Station located 300 ft. above county road bridge, 0.8 mi. SW of Burney. Tributary to Pit River. Stage-discharge relationship affected by ice at times. Flow affected by upstream diversion. Drainage area is 87.7 sq. mi.

227.13 km²

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A03545	COTTONWOOD CREEK, NORTH FORK, NEAR IGO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	8.6	12	18	157	600	170	178 *	83	18	21	2.0	2.1	1
2	8.1	9.9	17	130	505	127	159	76	18	19	2.0	2.0	2
3	7.8	11	17	77	417	105	157	70	20	17	1.9	2.2	3
4	7.8	8.3	17	54	361	585	132	71	18	16	2.0	2.5	4
5	8.0	15	17	51	313	300	128	69	16	15	2.4	2.5	5
6	8.0	19	17	52	285	242	126	70	16	15	2.8	2.5	6
7	7.9	17 *	18	51	256	431	125	66	16	13	2.6	3.2	7
8	8.3	25	26	84	232	371	112	59	34	13 *	2.5	3.4	8
9	13	17	20	574	190	356	120	69	65	14	2.5	3.8*	9
10	11	14	24	511 *	155	338	118	68	36	9.7	2.7	3.9	10
11	8.9	14	71	481	129	342	107	67	30	8.3	2.5	3.9	11
12	7.9	12	615	429	127	317	66	69	26	8.1	2.5	3.9	12
13	8.4	12	190	748	320	319	114	68	26	7.8	2.7	3.9	13
14	11	12	279	2,470 *	131	331	75	61	35	7.2	2.6	3.9	14
15	34	12	153	1,820	104	309	61	55	31	6.6	2.4	3.9	15
16	29 *	11	127 *	2,610 *	393	298	86	54	25 *	6.5	3.1	3.9	16
17	21	9.3	116	1,580	312	228	106	49	23	6.4	3.6	3.9	17
18	18	11	156	1,270	211	295 *	103	48	20	5.4	3.4*	3.9	18
19	15	11	905	2,110	187	287	99	27 *	25	4.7	2.1	3.9	19
20	14	13	1,020	1,850	165	261	99	29	23	4.3	1.8	3.9	20
21	13	19	1,330	3,170 *	151	227	97 *	28	20	3.9	1.8	3.7	21
22	11	18	509 *	2,300	132	239	95	37	21	2.2	2.1	3.6	22
23	12	18	1,090	4,170	115	233	92	31	20	2.2	1.8	3.6	23
24	13	18	541	3,140 *	128	223	83	27	20	2.1	1.8	3.6	24
25	13	19	468	1,790 *	115	207	82	29	20	2.4	1.9*	2.9	25
26	13	18	361	2,320	111	210	82	26	20	2.3	2.2	2.8	26
27	13	18	310	2,690	92	178	81	23	20	2.5	2.8	2.7	27
28	13	17	262	1,560	220	154	80	24	22	2.7	2.5	2.7	28
29	13	18	231	1,210 *		193	80	23	24	2.9	2.5	2.8	29
30	11	17	202	916		190	81	24	17	2.3	1.3	3.0	30
31	9.7		182	683		185		18		2.0	1.6		31
MEAN	12.6	14.9	300	1,324	230	266	104	49.0	24.2	7.9	2.3	3.3	MEAN
MAX.	34.0	25.0	1,330	4,170	600	585	178	83.0	65.0	21.0	3.6	3.9	MAX
MIN.	7.8	8.3	17.0	51.0	92.0	105	61.0	18.0	16.0	2.0	1.3	2.0	MIN.
AC. FT.	774	884	18464	81437	12807	16366	6196	3011	1438	487	144	195	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
196.4	7690	37.87	01	23	1815	0.6	29.41	08	20	1000	142203

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 26 32	122 32 57	NW21 30N 6W	11000	39.45	12/22/64	NOV 56-DATE	NOV 56-DATE	1956		30.60	LOCAL

Station located at county road bridge, 4.4 mi. S of Igo, 4.4 mi. SE of Ono. Tributary to Sacramento River via Cottonwood Creek. Flow affected by upstream diversion and releases from Rainbow Lake. Drainage area is 88.7 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A03595	COTTONWOOD CREEK, SOUTH FORK, NEAR COTTONWOOD

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3.6	7.5	6.4	164	673	330	186 *	50	60	24	0.0	0.0	1
2	2.9	7.3	6.3	139	565	228	178	47	61	22	0.0	0.0	2
3	2.6	7.2	6.3	119	485	173	174	50	65	20	0.0	0.0	3
4	2.6	7.0	5.9	102	427	1,280	170	60	65	19	0.0	0.0	4
5	2.8	7.7	5.7	86	367	688	166	74	61	16	0.0	0.0	5
6	3.4	26	5.6	80	302	453	162	81	58	15	0.0	0.0	6
7	4.0	29 *	5.3	80	242	473	158	82	57	13	0.0	0.0	7
8	4.3	28	7.9	93	188	1,270	154	84	68	12 *	0.0	0.0*	8
9	4.4	23	8.7	912 *	146	976	150	119	96	9.3	0.0	0.0	9
10	4.7	20	8.8	827	111	831	145	102	79	6.9	0.0	0.0	10
11	5.4	18	9.0	529	88	659	142	89	66	6.3	0.0	0.0	11
12	5.4	15	540	454	121	563	137	90	55	4.2	0.0	0.0	12
13	4.2	14	920	755	358	495	133	79	51	2.1	0.0	0.0	13
14	4.4	13	431	2,390 *	218	482	129	66	67	1.0	0.0	0.0	14
15	13	12	354 *	1,820	130	463	125	56	82	0.0	0.0	0.0*	15
16	42 *	11	193	4,170 *	416	410	121	60	57	0.0	0.0	0.0	16
17	52	11	121	3,740	939	370	117	90	50	0.0	0.0	0.0	17
18	43	10	97	2,450	576	330 *	113	133	49	0.0	0.0*	0.0	18
19	23	9.9	896	1,880	452	284	109	148	47	0.0	0.0	0.0	19
20	16	9.9	1,240	1,750	366	267	107 *	154	47	0.0	0.0	0.0	20
21	12	9.7	2,000	2,720 *	305	253	99	108 *	46	0.0	0.0	0.0	21
22	9.8	9.3	1,290 *	3,630	259	233	88	87	44	0.0	0.0	0.0	22
23	9.3	9.3	1,140	7,140	215	221	81	83	42	0.0	0.0	0.0	23
24	9.5	9.2	1,020	9,030 *	180	213	74	84	40	0.0	0.0	0.0	24
25	9.4	8.3	647	5,170	144	207	68	80	37	0.0	0.0	0.0	25
26	9.3	8.1	517	3,890 *	114	204	63	87	35	0.0	0.0	0.0	26
27	9.3	8.1	400	6,110	103	202	64	116	33	0.0	0.0	0.0	27
28	9.2	7.5	324	3,230	127	199	61	113	31	0.0	0.0	0.0	28
29	8.5	7.1	271	1,940 *		197	56	85	29	0.0	0.0	0.0	29
30	8.0	6.9	229	1,310		194	53	71	26	0.0	0.0	0.0	30
31	7.5		192	885		192		63		0.0	0.0		31
MEAN	11.1	12.3	416	2,180	307	430	119	86.8	53.5	5.5	0.0	0.0	MEAN
MAX.	52.0	29.0	2,000	9,030	939	1,280	186	154	96.0	24.0	0.0	0.0	MAX.
MIN.	2.6	6.9	5.3	80.0	88.0	173	53.0	47.0	26.0	0.0	0.0	0.0	MIN.
AC. FT.	685	734	25583	134073	17092	26459	7107	5338	3181	339			AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
304.7	14000	12.15	01	23	2315	0.0	2.00	07	15	0000	220590

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 18 58	122 26 52	SE32 29N 5W	14000	12.15	1/23/70	APR 58-DATE	APR 58-DATE	1958		0.00	LOCAL

Station located at Bowman Road bridge, 11 mi. SW of Cottonwood. Tributary to Sacramento River via Cottonwood Creek. Flow affected by upstream diversion. Drainage area is 217 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A03460	RED BANK CREEK NEAR RED BLUFF

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	41	187	53	18	5.1	1.5	0.0	0.0	0.0	1
2	0.0	0.0	0.0	39	168	47	18	4.8	1.4	0.0	0.0	0.0	2
3	0.0	0.0	0.0	38	156	44	17	4.6	1.3	0.0	0.0	0.0	3
4	0.0	0.0	0.0	37	146	495	16	3.7	1.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	36	134	281	15	3.7	0.8	0.0	0.0	0.0	5
6	0.0	0.0	0.0	35	127	162	15	4.0	0.6	0.0	0.0	0.0	6
7	0.0	0.0	0.0	37	120	147	14	4.3	0.4	0.0	0.0	0.0	7
8	0.0	0.0	0.0	44	114	166	14	4.5	0.5	0.0	0.0	0.0	8
9	0.0	0.0	0.0	1,290 *	107	153	14	5.0	0.8	0.0	0.0	0.0	9
10	0.0	0.0	0.0	365 *	101	131 *	13	4.7	0.7	0.0	0.0	0.0	10
11	0.0	0.0	0.0	192	99	103	12	4.4	0.3	0.0	0.0	0.0	11
12	0.0	0.0	30	159	111	91	12	4.5	0.1	0.0	0.0	0.0	12
13	0.0	0.0	45	323	237	81	15	4.3	0.0	0.0	0.0	0.0	13
14	0.0	0.0	14	828 *	143	73	16	3.6	0.2	0.0	0.0	0.0	14
15	0.0	0.0	11 *	308	114	65	14	3.3	0.1	0.0	0.0	0.0	15
16	0.0	0.0	9.1	1,720 *	236	55	13	3.1	0.0	0.0	0.0	0.0	16
17	0.0	0.0	11	415	199	46	12	3.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	18	264	145	42	11	2.9	0.0	0.0	0.0	0.0	18
19	0.0	0.0	274	238	126	39	9.9	2.7	0.0	0.0	0.0	0.0	19
20	0.0	0.0	282	310	116	37	9.2	2.8	0.0	0.0	0.0	0.0	20
21	0.0	0.0	362	748	101	35	9.2*	2.8*	0.0	0.0	0.0	0.0	21
22	0.0	0.0	132	514	80	33	8.5	2.6	0.0	0.0	0.0	0.0	22
23	0.0	0.0	253 *	3,250 *	75	30	8.2	2.3	0.0	0.0	0.0	0.0	23
24	0.0	0.0	160	1,630 *	70	28	7.7	2.1	0.0	0.0	0.0	0.0	24
25	0.0	0.0	112	551 *	64	25	7.3	2.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	86	922	59	24	7.3	1.9	0.0	0.0	0.0	0.0	26
27	0.0	0.0	69	1,570	54	22	7.0	1.9	0.0	0.0	0.0	0.0	27
28	0.0	0.0	59	420	54	22	6.6	2.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	53	298		21	5.9	1.9	0.0	0.0	0.0	0.0	29
30	0.0	0.0	49	244		20	5.6	1.7	0.0	0.0	0.0	0.0	30
31	0.0		46	212		19		1.6		0.0	0.0		31
MEAN	0.0	0.0	66.9	550	123	83.5	11.7	3.3	0.3	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	362	3,250	237	495	18.0	5.1	1.5	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	35.0	54.0	19.0	5.6	1.6	0.0	0.0	0.0	0.0	MIN.
AC. FT.			4116	33874	6829	5137	697	202	19				AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
70.3	8740	10.01	01	23	2215	0.0	2.66	10	01	0000	50874

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 05 25	122 24 45	SE22 26N 5W	9729	10.06	1/5/65	FEB 48-JUL 49 δ MAY 50-MAY 56 NOV 56-DATE	FEB 48-JUL 49 δ MAY 50-MAY 56 NOV 56-DATE	1956		0.00	LOCAL

Station located at Briggs Road bridge, 11 mi. SW of Red Bluff. Flow affected by upstream diversion. Drainage area is 93.5 sq. mi.

δ - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A02700	SACHAMENTO RIVER AT VINA BRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	9,360	8,790	8,790	24,800	96,800	31,100	10,600	12,100	9,450	10,500	9,530	9,020	1
2	8,770	8,760	8,830	23,300	90,400	21,000	9,970	12,000	9,570	10,400	9,500	8,810	2
3	8,420	8,750	8,850	19,200	82,800	16,100	9,640	12,100	9,620	10,400	9,440	8,570	3
4	8,470	8,710	8,840	17,400	76,600	17,900	9,500	11,600	9,870	10,300	9,410	8,570	4
5	8,450	9,930	8,830	17,100	71,800	28,200	9,380	10,500	9,890	10,300	9,430	8,400	5
6	8,470	10,000	8,870	16,800	62,600	18,200	9,360	10,500	10,300	10,300	9,410	8,270	6
7	8,430	9,930	8,880	16,500	60,700	16,500	9,260	10,500	10,300	10,300	9,460	8,200	7
8	8,500	9,440	9,020	16,500	60,100	26,400	9,160	10,600	10,400	10,300	9,390	8,190	8
9	8,330	9,170	8,750	35,700	55,500	21,300	9,090	10,800	10,500	10,300	9,440	8,170	9
10	8,570	8,960	8,430	62,000	49,300	23,200	8,960	10,800	10,700	10,400	9,370	8,160	10
11	8,530	7,210	8,330	31,000	45,300	19,100	9,080	10,900 *	10,700 *	10,900	9,270	8,020	11
12	8,660	6,410	20,300	31,100	41,800	17,600	9,660	10,500	10,300	11,100	9,030 *	7,930	12
13	8,630	7,390	41,300	35,000	43,800	16,900	9,930 *	10,400	10,300	11,200	9,060	7,850	13
14	8,700	8,660	21,400	75,400	44,600	16,500	10,200	9,390	10,400	11,100 *	8,870	7,760	14
15	8,990	8,730	19,600 *	77,700	32,300	16,200	10,100	9,100	10,500	11,100	9,020	7,840 *	15
16	10,000 *	8,690	16,600	99,200	27,700	15,100	10,000	8,990	10,400	11,100	8,910	7,850	16
17	10,200	8,670 *	15,500	105,000 *	38,400	14,500	9,970	9,040	10,300	11,000	9,040	7,880	17
18	9,370	8,870	15,400	78,100	30,600	14,500	9,890	9,140	10,200	11,000	9,010	7,910	18
19	9,260	8,750	35,800	64,700	27,200	13,900 *	9,830	9,050	10,200	11,000	9,020	7,900	19
20	9,110	8,730	69,300	80,400	24,600	13,400	9,910	9,080	10,400	11,000	9,070	7,970	20
21	9,020	8,700	68,000	104,000	23,200	12,900	9,880	9,010	10,600	10,900	8,940	7,890	21
22	9,020	8,780	58,300	131,000 *	22,100	12,600	10,400	8,970	10,600	10,900	8,960	7,880	22
23	8,930	8,730	47,200	131,000	20,600	12,400	10,800	8,930	10,500	11,000	9,050	7,880	23
24	8,950	8,770	66,100	162,000 *	20,000	12,200	11,400	8,990	10,400	11,000	9,040	7,890	24
25	8,920	8,730	53,000	127,000	19,700	12,000	12,200	9,260	10,500	11,000	8,980	7,880	25
26	8,880	8,770	51,800	120,000	19,600	11,900	12,200	9,270	10,400	10,500	8,960	7,980	26
27	8,930	8,760	46,500	134,000	19,200	11,700	12,300	9,330	10,500	10,500	9,020	8,010	27
28	8,870	8,780	44,000	129,000 *	18,900	11,500	12,300	9,330	10,700	10,500	8,960	7,860	28
29	8,630	8,830	42,300	112,000		11,400	12,200	9,320	10,900	10,200	9,050	7,860	29
30	8,840	8,810	36,200	104,000		11,200	12,100	9,050	10,700	9,880	9,080	7,860	30
31	8,810		26,400	100,000		11,000		9,310		9,820	9,000		31
MEAN	8,678	8,740	28,755	73,577	43,792	16,400	10,309	9,931	10,336	10,651	9,152	8,075	MEAN
MAX.	10,200	10,000	69,300	162,000	96,800	31,100	12,300	12,100	10,900	11,200	9,530	9,020	MAX.
MIN.	8,330	6,410	8,330	16,500	18,900	11,000	8,960	8,930	9,450	9,820	8,870	7,760	MIN.
AC. FT.	545891	520086	1768105	4524097	2432131	1008396	613428	610631	615074	654942	562750	480515	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
19802.1	171000	91.48	01	24	0530	6260.0	66.37	11	13	0300	14336045

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 54 34	122 05 31	NE28 24N 2W	171,000	91.48	1-24-1970	APR 45-DATE	APR 45-DATE	1945		100.00	USED
								1945		97.15	USCGS

Station located 250 ft. above Vina-Corning Highway Bridge, 2.6 mi. SW of Vina. The maximum discharge of record is for the main river channel and does not include water by-passing the station on the left bank. Flow regulated by Shasta Lake since December 30, 1943. Approximately 190,000 acre-feet diverted from the river between Keswick and Vina in addition to diversions from the tributaries. Trans-basin diversions from the Trinity River to Whiskeytown Reservoir via Judge Francis Carr Powerplant began in Apr. 1963. Drainage area, excluding Goose Lake Basin, is approximately 10,930 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A02630	SACRAMENTO RIVER AT HAMILTON CITY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	8,910	8,280	8,670	25,100	95,700	28,800	9,940	9,870	7,280	8,610	7,460	7,440	1
2	8,300	8,250	8,660	24,100	89,500	23,800	9,300	9,750	7,470	8,490	7,420	7,310	2
3	7,820	8,210	8,720	20,600	81,500	17,200	8,790	9,760	7,380	8,450	7,390	7,020	3
4	7,850	8,240	8,640	18,500	73,600	17,200	8,470	9,580	7,650	8,460	7,370	7,050	4
5	7,750	9,330	8,680	18,100	70,100	29,000	8,190	8,360	7,700	8,420	7,320	7,000	5
6	7,820	9,980	8,620	17,800	61,200	20,000	8,060	8,270	7,920	8,440	7,360	6,830	6
7	7,700	10,100	8,680	17,500	58,300	17,500	7,920	8,420	8,070	8,260	7,350	6,900	7
8	7,760	9,560	8,740	17,600	57,600	25,400	7,620	8,500	8,180	8,190	7,360	6,900	8
9	7,480	9,270	8,600	30,400	54,300	23,100	7,430	8,700	8,340	8,210	7,330	6,960	9
10	7,810	9,060	8,200	63,200	48,600	23,300	7,240	8,850	8,590	8,200	7,310	6,990	10
11	7,790	7,410	7,980	34,800	44,500	19,900	7,220	8,840	8,630 *	8,720	7,240	7,030	11
12	7,840	6,840	14,200	31,400	41,100	18,400	7,740	8,590 *	8,270	8,920	7,000 *	6,880	12
13	7,810	7,230	39,800	33,800	41,700	17,500	7,970	8,620	8,240	9,060	7,120	6,860	13
14	7,900	8,650	23,000	65,600	45,700	17,000	8,130 *	7,680	8,380	9,000 *	6,880	6,900	14
15	8,190	8,830	19,600	81,100	33,500	16,700	8,110	7,270	8,580	8,910	6,990	6,990 *	15
16	9,190	8,820	16,900	78,600	28,700	15,500	7,950	7,070	8,450	8,890	6,840	7,110	16
17	10,000 *	8,800	15,600	*107,000	36,800	14,800	7,870	7,090	8,310	8,920	6,990	7,190	17
18	9,090	8,920 *	15,300	76,300	31,500	14,600	7,760	7,170	8,220	8,890	7,030	7,140	18
19	8,750	8,910	26,700	59,900	28,100	14,200	7,690	7,110	8,150	8,880	7,040	7,230	19
20	8,670	8,810	63,300	67,600	25,800	13,500 *	7,700	7,120	8,310	8,880	7,060	7,290	20
21	8,550	8,770	60,800	88,300	24,200	12,900	7,820	7,060	8,500	8,780	6,980	7,270	21
22	8,530	8,770	59,200	117,000	23,300	12,600	7,960	6,980	8,500	8,780	6,910	7,280	22
23	8,480	8,730	42,200	122,000 *	21,800	12,400	8,410	6,980	8,390	8,800	7,080	7,300	23
24	8,480	8,750	62,400	149,000	21,100	12,100	8,910	6,980	8,310	8,770	7,160	7,260	24
25	8,450	8,720	50,300	127,000	20,700	12,000	9,660	7,230	8,300	8,860	7,150	7,250	25
26	8,470	8,730	49,700	119,000	20,500	11,800	9,830	7,180	8,320	8,390	7,110	7,350	26
27	8,480	8,700	44,700	124,000	20,100	11,400	9,950	7,250	8,320	8,400	7,180	7,410	27
28	8,410	8,720	42,100	131,000 *	20,000	11,100	9,920	7,230	8,570	8,320	7,170	7,340	28
29	8,410	8,740	40,600	114,000		11,000	9,870	7,220	8,870	8,120	7,280	7,330	29
30	8,340	8,690	36,500	105,000		10,600	9,880	7,050	8,720	7,710	7,390	7,340	30
31	8,340		27,300	99,400		10,400		7,210		7,710	7,360		31
MEAN	8,302	8,694	27,238	70,474	43,553	16,635	8,443	7,902	8,230	8,562	7,181	7,138	MEAN
MAX.	10,000	10,100	63,300	149,000	95,700	29,000	9,950	9,870	8,870	9,060	7,460	7,440	MAX.
MIN.	7,480	6,840	7,980	17,500	20,000	10,400	7,220	6,980	7,280	7,710	6,840	6,830	MIN.
AC. FT.	510486	517329	1674822	4333287	2418842	1022875	502433	485930	489758	526492	441580	424760	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
18438.1	156000	50.77	01	24	0730	6680.0	28.28	08	14	0115	13348594

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 45 07	121 59 43	NE20 22N 1W	156000	50.77	1/24/70	APR 45-DATE	27-DATE	1927	1945	127.9	USED
								1945		100.0	USED
								1945		96.5	USCGS

Station located at Gianella Bridge, State Highway 32, 1.0 mi. NE of Hamilton City. The maximum discharges of record since Feb. 1940, are for the main river channel and do not include water by-passing the station on the left bank. Flow regulated by Shasta Lake since Dec. 30, 1943. Approximately 950,000 acre-feet diverted from the river between Keswick and Hamilton City in addition to diversions from the tributaries. Transbasin diversions from the Trinity River to Whiskeytown Reservoir via Judge Francis Carr Powerplant began in Apr. 1963. Drainage area, excluding Goose Lake Basin, is approximately 11,060 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A04242	MUD CREEK NEAR CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.1	8.8	118	401	13	5.2	0.0	1.4	0.0	0.0	1
2	0.0	0.0	0.1	7.0	97	185	12	4.7	0.0	0.6	0.0	0.0	2
3	0.0	0.0	0.2	6.0	81	136	12	4.4	0.0	0.2	0.0	0.4	3
4	0.0	0.0	0.2	5.3	73	334	11	4.3	0.0	0.3	0.0	0.4	4
5	0.0	2.0	0.2	4.3	62	203	11	4.5	0.0	0.1	0.1	0.3	5
6	0.0	2.8	0.2	3.7	54	130	10	8.8	0.0	0.3	0.0	0.2	6
7	0.0	1.0	0.3	3.6	47	115	10	5.4	0.0	0.4	0.1	0.1	7
8	0.0	0.5	0.8	38	42	265	9.7	5.1	0.0	0.3	0.2	0.2	8
9	0.0	0.8	1.2	1,210	38	142	9.2	5.9	2.4	0.5	0.1	0.0	9
10	0.0	0.4	1.2	362	33	157	8.7	5.6	1.8*	0.4	0.0	0.0	10
11	0.0	0.1	8.4	176	30	115	9.2	6.7	0.1	0.2	0.0	0.3	11
12	0.0	0.0	387	239 *	53	89	8.4	8.4	0.0	0.1	0.1	0.3	12
13	0.0	0.0	186	813	332	71	8.7*	6.9	0.0	5.5	0.0	0.0	13
14	0.0	0.0	23	3,990	183	60	9.4	5.4	0.0	1.8	0.0	0.0	14
15	0.0	0.0	11	813 *	113	51	8.8	3.9	0.0	0.4	0.0	0.2	15
16	0.8*	0.0	6.9	918	211	44	8.5	8.7	0.0	0.1	0.0	0.0	16
17	0.0	0.0	4.8*	430	228	38	8.4	11	0.1	0.1	0.1	0.0	17
18	0.0	0.0	9.6	275	136	33 *	7.8	8.8*	0.2	0.1	0.6	0.0	18
19	0.0	0.0	1,220	294	102	29	7.7	2.7	0.3	0.0	0.9	0.0	19
20	0.0	0.0	488	326	80	26	7.6*	1.9	0.1	0.0	0.8	0.0	20
21	0.0	0.0	589	1,430 *	65	24	7.5	1.6	0.1	0.0	0.8	0.0	21
22	0.0	0.0	192	640	52	22	7.0	1.3	0.0	0.0	0.5	0.0	22
23	0.0	0.0	871	1,880	45	20	6.7	0.9	0.0	0.0	0.4	0.0	23
24	0.0	0.0	791 *	4,520	40	19	6.5	0.6	0.1	0.0	0.0	0.0	24
25	0.0	0.0	221	582	34	18	6.4	0.4	0.2	0.0	0.1	0.0	25
26	0.0	0.0	105	348	30	17	6.4	0.3	0.4	0.0	0.3	0.0	26
27	0.0	0.1	55	705	27	16	6.5	0.3	0.7	0.0	0.0	0.0	27
28	0.0	0.1	29	280	39	15	6.2	0.5	0.0	0.0	0.0	0.0	28
29	0.0	0.1	19	209		15	5.8	0.3	3.5	0.0	0.0	0.0	29
30	0.0	0.1	14	169		14	5.4	0.1	4.4	0.0	0.0	0.0	30
31	0.0		11	140		13		0.0		0.0	0.0		31
MEAN	0.0	0.3	169	671	87.3	90.9	8.5	4.0	0.5	0.4	0.2	0.1	MEAN
MAX.	0.8	2.8	1,220	4,520	332	401	13.0	11.0	4.4	5.5	0.9	0.4	MAX.
MIN.	0.0	0.0	0.1	3.6	27.0	13.0	5.4	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	2	16	10406	41307	4850	5587	507	247	29	25	10	5	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
87.0	10300	12.46	01	23	2345	0.0	0.35	10	01	0000	62990

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 47 02	121 53 06	SE5 22N 1E				NOV 64-DATE	NOV 64-DATE	1964		0.00	LOCAL

Station located 0.1 mi. above Old Highway 99E Bridge, 4.9 mi. N of Chico. Tributary to Sacramento River via Big Chico Creek. Includes an undetermined amount of water from Big Chico Creek. Drainage area is 47.5 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A00928	MUD CREEK DIVERSION AT CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.8	0.0	0.1	1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.0	0.0	2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37	0.2	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	0.4	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.2	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	3.8	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	0.0	0.0	11	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	0.3	0.1	0.0	6.5	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	0.0	6.3	0.0	0.9	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13	0.0	15	0.0	0.0	12
13	0.0	0.0	0.0	24	0.0	0.0	0.0	3.1	0.0	8.4	0.0	0.3	13
14	0.0	0.0	0.0	1,960 *	0.0	0.0	0.0	0.9	1.4	0.0	0.0	0.1	14
15	0.0	0.0	0.0	169	0.0	0.0	0.0	9.6	1.3	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0*	0.0	0.1	0.3	0.0	18
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.4	0.0	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	20
21	0.0	0.0	48	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	927	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	3,410	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	83	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.2	0.2	26
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.2	3.3	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	7.9	0.0	0.0	7.0	28
29	0.0	0.0	0.0	0.0		0.0	0.0	0.0	23	0.0	0.0	5.9	29
30	0.0	0.0	0.0	0.0		0.0	0.0	0.0	4.3	0.0	0.0	0.0	30
31	0.0		0.0	0.0		0.0		0.4		0.0	0.0		31
MEAN	0.0	0.0	1.5	212	0.0	0.0	0.0	5.3	2.0	1.1	0.1	1.3	MEAN
MAX.	0.0	0.0	48.0	3,410	0.0	0.0	0.0	37.0	23.0	15.0	1.4	11.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.			95	13037				324	116	65	4	78	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
19.0	7770	13.32	01	24	0030	0.0	0.48	10	01	1015	13720

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 47 07	121 48 01	SW18 22N 2E				NOV 64-DATE	NOV 64-DATE	1964		0.00	LOCAL

Station located 0.4 mi. above Wildwood Avenue Bridge, 4.0 mi. NE of Chico. This flow is diverted from Lindo Channel into Mud Creek during periods of high water. Crest of diversion weir is at gage height 8.38.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A04250	BIG CHICO CREEK AT CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	9.2	22	84	60	284	614	103	47	22	15	6.1	2.1	1
2	33	21	89	56	253	505	99	45	21	15	5.8	5.0	2
3	45	22	93	53	226	380	93	43	20	15	7.1	2.6	3
4	41	25	97	51	208	355	89	31	18	14	3.7	3.2	4
5	42	60	100	49	192	324	85	21	22	13	5.0	5.9	5
6	38	42	103	47	176	287	81	36	19	14	4.5	7.5	6
7	40	31	107	47	163	268	79	40	16	11	4.2	7.6	7
8	43	38	122	52	152	351	75	40	17	12	4.6	6.6	8
9	49	32	132	181	144	326	72	41	20 *	10	3.2	1.8	9
10	27	24	145	303	143	315	69	40	30	8.5	11	0.4	10
11	21	20	173	193	139	289	71	38	28	7.5	13	7.1	11
12	21	17	230	181	166	268	64	38	25	2.2	7.1	5.6	12
13	22	15	161	457	274	251	61	40	25	4.9	4.7	5.6	13
14	20	14	80	835	289	237	69 *	42 *	27	8.0	6.5	8.0	14
15	31	15	62	517	257	218	67	27	27	8.4	5.3	6.6	15
16	57	19	53	732	267	201	63	18	23	9.1	6.7	5.9	16
17	35	19 *	48	637	436	185	63	17	23	8.7*	7.5*	5.4	17
18	25	19	48 *	478	354	172 *	59	24	21	7.9	1.5	5.8*	18
19	21	20	178	374	305	157	60	31	19	7.0	5.2	7.0	19
20	19	22	197	347	275	146	57	30	24	8.2	4.3	7.4	20
21	17 *	23	287	642 *	256	136	56	29	28	5.0	4.3	7.8	21
22	16	24	166	578	238	126	55	28	21	7.4	4.1	7.2	22
23	16	29	198	715	214	116	52	27	15	7.4	4.6	6.9	23
24	16	43	329	800	197	118	51	26	16	7.9	6.6	7.2	24
25	16	49	202	555	180	125	50	26	16	6.5	3.0	6.1	25
26	17	53	141	468	166	127	51	25	16	6.2	4.1	6.4	26
27	16	61	112	510	155	127	54	25	16	7.8	4.0	4.7	27
28	17	68	93	486	167	121	53	25	19	5.2	4.1	1.8	28
29	20	72	81	413		117	51	24	21	5.6	3.4	6.4	29
30	21	79	72	360		114	49	23	16	4.9	3.9	6.7	30
31	22		65	316		109		23		4.8	5.8		31
MEAN	26.9	33.3	130	370	224	231	66.7	31.3	21.0	8.6	5.3	5.6	MEAN
MAX.	57.0	79.0	329	835	436	614	103	47.0	30.0	15.0	13.0	8.0	MAX.
MIN.	9.2	14.0	48.0	47.0	139	109	49.0	17.0	15.0	2.2	1.5	0.4	MIN.
AC. FT.	1653	1980	8029	22796	12448	14251	3969	1924	1252	532	327	334	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
96.0	1170	9.94	01	24	0100	0.0	3.28	08	04	0330	69494

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 43 38	121 51 43	SE28 22N 1E				JAN 56-DATE	JAN 56-DATE	1956		167.88	USED

Station located 50 ft. above Rose Avenue Highway Bridge, immediately W of Chico. Tributary to Sacramento River. Flow affected by upstream diversion.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A00600	LINDO CHANNEL NEAR CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	55	232	641	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	49	192	299	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	44	161	119	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	40	140	99	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	37	121	74	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	33	103	50	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	32	90	39	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	47	80	82	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	461	72	70	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	936	57	63	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	484	46	50	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	682	446 *	54	40	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	503	1,480	120	31	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	106	3,090	113	25	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	46	1,660	79	20	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	24	1,650	76	16	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	13	1,420	214	11 *	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	10 *	790	140	5.6	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	628	465	95	2.2	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	667	377	69	0.4	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	1,490	1,880 *	54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	759	1,830	43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	546	2,250	35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	911	1,840	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	435	1,600	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	267	926	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	185	1,390	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	134	989	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	100	618		0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	79	403		0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0		65	291		0.0		0.0		0.0	0.0		31
MEAN	0.0	0.0	246	890	89.3	56.0	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	1,490	3,090	232	641	0.0	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	32.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.			15174	54770	4957	3446							AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
108.2	3710	18.42	01	14	0900	0.0	3.67	10	01	0000	78345

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 43 21	121 54 41	NW31 22N 1E	3710	18.42	1/14/70	JAN 56-DATE	JAN 56-DATE	1956		128.42	USED

Station located 100 ft. below Grape Way Bridge, 4.0 mi. W of Chico. Tributary to Sacramento River via Big Chico Creek. Flow affected by upstream diversion.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A31302	GRINDSTONE CREEK NEAR ELK CREEK

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.0	3.4	7.0	102	709	254	138	61	28	12	1.5	0.6	1
2	1.5	3.4	6.0	89	588	262 *	138	61	26	11	1.5	0.4 *	2
3	1.5	3.4	6.0	81	522	238	132	61	26	11	1.5	0.6	3
4	1.0	4.2	6.0 *	76	470	254	132	61	24	9.4	1.5	0.6	4
5	1.5	14	6.0	65 *	420	294 *	121	61	24	8.2	2.0	1.5	5
6	1.5	31	5.0	68	373	294	116	61	24	8.2	2.6	1.0	6
7	1.5	20	5.0	65	346	391	110	58	22	7.0	2.6	1.0	7
8	1.5	17	7.0	76	319	588	106	61	22	6.0	2.6	0.6	8
9	2.0 *	24	8.2	698	294	480	89	72	26	6.0	2.0	0.6	9
10	2.6	17	9.4	632	270	391	85	68	26 *	6.0	1.5	1.0	10
11	2.6	14	18	346	254	346	85	68	24	7.0	0.2	1.0	11
12	2.6	11	826	381	319	310	81	68	20	6.0	0.2	0.6	12
13	2.0	9.4	462	1040	511	294	76	76	20	5.0	0.4	0.6	13
14	2.0	9.4	198	3950	490	302	76	72	33	5.0	0.6	0.6	14
15	17	8.2	138	1760	420	278	76	68	28	4.2	0.6	0.6	15
16	65	7.0	102	6370	507	254	81	65	24	4.2	1.0	0.4	16
17	58	7.0	68	5290	1210	238	76	61	22	3.4	1.0	0.4	17
18	31	7.0	76	2370	874	217	68	61 *	20	3.4	1.0 *	0.4	18
19	18	6.0	646 *	1710	654	204	61	61	18	2.6	1.0	0.6	19
20	14	6.0 *	440	1410 *	544	198	61	61	18	2.6 *	1.0	1.0	20
21	11	6.0	1240	4170	460	191	58	55	17	2.0	1.5	0.6 *	21
22	8.2	6.0	496	3000	400	184	61 *	52	17	2.0	1.5	0.6	22
23	8.2	6.0	998	6810 *	346	178	68	52	17	2.6	1.5	0.6	23
24	8.2	6.0	891	9750	319	172	68	46	15	2.6	1.0	0.4	24
25	7.0	6.0	480	3930	286	165	65	43	15	2.6	1.0	0.4	25
26	6.0	6.0	328	2730	270	165	65	41	15	2.6	1.0	0.4	26
27	6.0	6.0	224	6410	254	154	68	38	14	2.6	1.0	0.6	27
28	6.0	6.0	172	2630	246	143	65	38	14	2.0	1.0	1.0	28
29	6.0	6.0	148	1640		148	65	36	14	2.0	1.0	0.6	29
30	5.0	6.0	132	1150		138	65	33	14	2.0	1.0	0.4	30
31	3.4		106	874		138		31		2.0	1.0		31
MEAN	9.8	9.4	266	2248	453	254	85.2	56.5	20.9	4.9	1.3	0.7	MEAN
MAX.	65	31	1240	9750	1210	588	138	76	33	12	2.6	1.5	MAX.
MIN.	1.0	3.4	5.0	65	246	138	58	31	14	2.0	0.2	0.4	MIN.
AC. FT.	601	560	16370	138200	25140	15600	5070	3473	1244	304	77	39	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
285	15,600	14.55	1	23	2355	0.0	9.42	8	11	1200	206,700

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 40 48	122 31 52	SW15 21N 6W				NOV 35-SEP 37 AUG 52-OCT 55 OCT 59-DATE	NOV 35-SEP 37 AUG 52-MAR 57 AUG 59-DATE				

Station located above Chrome Road Bridge, 5.1 mi. N of Elk Creek. Tributary to Sacramento River via Stony Creek. Drainage area is 172 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A02570	SACRAMENTO RIVER AT ORD FERRY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	9,080	8,490	8,800	27,000	96,800	28,400	10,900	10,300	7,570	8,770	7,520	7,310	1
2	8,040	8,460	8,760	25,800	93,500	28,900	10,400	10,200	7,820	8,700	7,450	7,280	2
3	8,230	8,430	8,790	22,400	86,900	19,700	9,890	10,200	7,730	8,640	7,430	6,930	3
4	8,190	8,430	8,740	19,500	77,900	18,800	9,490	10,100	7,950	8,610	7,380	6,940	4
5	8,150	9,020	8,770	18,900	73,300	30,100	9,130	9,040	8,060	8,600	7,300	6,910	5
6	8,180	9,970	8,770	18,400	64,800	22,200	8,890	8,840	8,130	8,590	7,320	6,710	6
7	8,130	9,950	8,770	18,100	59,800	19,000	8,720	8,930	8,360	8,480	7,280	6,770	7
8	8,100	9,600	8,840	18,000	58,700	26,100	8,480	9,050	8,480 *	8,360	7,300	6,770	8
9	7,890	9,370	8,810	27,700	56,600	25,400	8,250	9,190	8,580	8,390	7,260	6,810	9
10	8,140	9,180	8,450	65,200	51,200	25,100	7,980	9,410	8,820	8,370	7,250	6,840	10
11	8,130	8,110	8,210	44,200	46,300	23,100	7,860	9,360 *	8,910	8,730	7,200 *	6,940	11
12	8,140	7,200	11,900	34,900	42,700	20,600	8,210	9,210	8,580	8,990	6,980	6,780	12
13	8,150	6,930	41,900	39,500	42,300	19,500	8,450	9,270	8,540	9,090 *	7,070	6,750	13
14	8,200	8,570	28,100	67,400	49,400	18,300	8,650	8,500	8,630	9,090	6,820	6,770 *	14
15	8,390	8,820	20,800	91,300	37,500	17,800	8,630 *	8,010	8,790	8,960	6,890	6,880	15
16	9,130	8,830	17,900	83,100	31,800	16,900	8,540	7,780	8,690	8,940	6,780	6,980	16
17	9,060	8,830	16,100	106,000	39,000	16,000	8,440	7,690	8,560	8,950	6,910	7,070	17
18	9,280	8,870	15,700 *	94,100	36,000	15,600	8,310	7,760	8,480	8,930	6,920	7,030	18
19	8,930	9,020 *	24,400	77,300	31,900	15,300	8,240	7,610	8,390	8,870	6,890	7,120	19
20	8,820 *	8,880	63,100	76,500	30,300	14,600	8,210	7,520	8,470	8,910	6,960	7,120	20
21	8,760	8,860	63,900	92,900	28,100	14,100	8,370	7,480	8,660	8,800	6,890	7,180	21
22	8,680	8,910	66,400	109,000	26,600	13,600	8,390	7,400	8,660	8,780	6,820	7,140	22
23	8,690	8,780	45,800	115,000	25,100	13,400 *	8,820	7,370	8,560	8,760	6,980	7,160	23
24	8,630	8,870	64,000	130,000	24,100	13,000	9,230	7,340	8,510	8,780	7,050	7,130	24
25	8,630	8,850	55,300	127,000	23,400	12,900	9,860	7,560	8,470	8,850	7,050	7,110	25
26	8,690	8,800	52,200	115,000	21,900	12,600	10,200	7,540	8,520	8,470	7,000	7,210	26
27	8,660	8,800	47,400	112,000	21,200	12,200	10,300	7,550	8,490	8,410	7,050	7,260	27
28	8,620	8,800	44,400	121,000	20,900	11,900	10,300	7,600	8,710	8,320	7,040	7,190	28
29	8,620	8,800	42,700	112,000		11,700	10,300	7,530	8,970	8,210	7,080	7,150	29
30	8,540	8,790	39,800	104,000		11,500	10,300	7,430	8,930	7,800	7,210	7,180	30
31	8,550		30,800	99,400		11,200		7,530		7,770	7,210		31
MEAN	8,542	8,774	28,655	71,374	46,357	18,048	9,058	8,396	8,467	8,642	7,106	7,014	MEAN
MAX.	9,860	9,970	66,400	130,000	96,800	30,100	10,900	10,300	8,970	9,090	7,520	7,310	MAX.
MIN.	7,890	6,930	8,210	18,000	20,900	11,200	7,860	7,340	7,570	7,770	6,780	6,710	MIN.
AC. FT.	525282	522089	1761936	4388626	2574544	1109751	538988	516297	503841	531411	436939	417362	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
19099.0	138000	69.79	01	24	1645	6550.0	46.44	09	06	1000	13827067

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 37 39	121 59 28	SE32 21N 1W	138000	69.8	1/24/70	JAN 48-DATE	21-MAY 27 # FEB 37-MAY 37 OCT 37-MAY 39 NOV 39-MAY 41 # NOV 41-DATE	1937 1960	1960	0.00 50.00	USED

Station located 0.1 mi. below Ord Ferry. Records of flows in excess of 70,000 cubic feet per second are not reliable due to an undetermined amount of water by-passing the station via Butte Basin. Flow regulated by Shasta Lake since Dec. 30, 1943. Approximately 980,000 acre-feet diverted from the river between Keswick and Ord Ferry in addition to diversions from the tributaries. Transbasin diversions from the Trinity River to Whiskeytown Reservoir via Judge Francis Carr Powerplant began in Apr. 1963. Drainage area, excluding Goose Lake Basin, is approximately 12,480 sq. mi.

- Flood season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A02986	MOULTON WEIR SPILL TO BUTTE BASIN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			0.0	0.0	13300								1
2			0.0	0.0	12200								2
3			0.0	0.0	10200								3
4			0.0	0.0	7580								4
5			0.0	0.0	5370								5
6			0.0	0.0	3520								6
7			0.0	0.0	1390								7
8			0.0	0.0	644								8
9			0.0	0.0	382								9
10			0.0	0.0	19								10
11	N	N	0.0	139	0.0	N	N	N	N	N	N	N	11
12	O	O	0.0	0.0	0.0	O	O	O	O	O	O	O	12
13			0.0	0.0	0.0								13
14			0.0	7	0.0								14
15			0.0	4990	0.0								15
16	F	F	0.0	7110	0.0	F	F	F	F	F	F	F	16
17	L	L	0.0	10700	0.0	L	L	L	L	L	L	L	17
18	O	O	0.0	14600	0.0	O	O	O	O	O	O	O	18
19	W	W	0.0	8090	0.0	W	W	W	W	W	W	W	19
20			0.0	4570	0.0								20
21			28	7350	0.0								21
22			668	14100	0.0								22
23			225	20700	0.0								23
24			15	25800	0.0								24
25			402	34900	0.0								25
26			0.0	25400	0.0								26
27			0.0	20800	0.0								27
28			0.0	24000	0.0								28
29			0.0	23500									29
30			0.0	18000									30
31			0.0	14900									31
MEAN			44.6	9021	195								MEAN
MAX.			668	34900	13300								MAX.
MIN.			0.0	0.0	0.0								MIN.
AC. FT.			2654	554700	108300								AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
919	37010	83.68	1	25	0715	0.0					665700

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 20 18	122 01 18	SE12 17N 2W				JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED

Station located west of south end of weir, 4.6 mi. S of Princeton. Elevation of weir crest is 76.75 ft. USED datum; length of crest is 500 ft.

- Flood season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A02981	COLUSA WEIR SPILL TO BUTTE BASIN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			0.0	2.3	48300	0.0							1
2			0.0	0.0	46700 *	988							2
3			0.0	0.0	44200	0.0							3
4			0.0	0.0	40400	0.0							4
5			0.0	0.0	36200	0.0							5
6			0.0	0.0	32900	0.0							6
7			0.0	0.0	28200	0.0							7
8			0.0	0.0	25500	0.0							8
9			0.0	0.0	24800	0.0							9
10			0.0	6740	21700	0.0							10
11	N	N	0.0	19300	16200	0.0	N	N	N	N	N	N	11
12	O	O	0.0	5380	11700	0.0	O	O	O	O	O	O	12
13			0.0	3530 *	9210	0.0							13
14			758	10400	13100	0.0							14
15			0.0	31400	11100	0.0							15
16	F	F	0.0	38600 *	2710 *	0.0	F	F	F	F	F	F	16
17	L	L	0.0	42000	2120	0.0	L	L	L	L	L	L	17
18	O	O	0.0	50200 *	6750	0.0	O	O	O	O	O	O	18
19	W	W	0.0	41300	1790	0.0	W	W	W	W	W	W	19
20			4400	33400	544	0.0							20
21			20000	36200	6.1	0.0							21
22			24400	45000	0.0	0.0							22
23			20500 *	52600	0.0	0.0							23
24			14400	57200	0.0	0.0							24
25			22900	73600 *	0.0	0.0							25
26			17100	71000	0.0	0.0							26
27			13900	62700	0.0	0.0							27
28			10300	61400	0.0	0.0							28
29			8230	63300		0.0							29
30			6890	57100		0.0							30
31			2780	51400		0.0							31
MEAN			5373	29480	15150	31.9							MEAN
MAX.			24400	73600	48300	988							MAX.
MIN.			0.0	0.0	0.0	0.0							MIN.
AC. FT.			330400	1812000	841200	1960							AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
4124	76500					0.0					2986000

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 14 12	121 59 38	SE17 16N 1W		70.6	3/1/40	JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED

Station located at north end of weir, 2.0 mi. N of Colusa. Elevation of weir crest is 61.80 ft. USED datum; length of crest is 1,650 ft.

- Flood season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A04910	LITTLE CHICO CREEK DIVERSION NEAR CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN													MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.													AC. FT.

DATA INSUFFICIENT TO COMPUTE DISCHARGE

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
			1204 E 1186	7.23 7.18	12/22/64 1/ 5/65	JAN 59-DATE					

See Little Chico Creek near Chico for records of stage and location. This is flow diverted from Little Chico Creek, into Butte Creek during periods of high water.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A04265	BUTTE CREEK NEAR DURHAM

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	50	110	108	394	1,240	2,500	406	96	54	16	5.9	15	1
2	51	111	107	362	1,100	1,530	400	91	50	12	5.5	22	2
3	54	102	107	344	999	1,120	384	86	49	10	4.3	20	3
4	66	57	107	330	911	1,110	375	91	73	9.4	4.2	24	4
5	79	210	106	317	838	1,010	362	109	77	11	5.0	38	5
6	65	173	104	302	787	883	356	145	77	18	7.3	34	6
7	70	144	101	299	738	828	368	162	75	38	5.7	25	7
8	93	229	113	326	690	1,150	372	168	70	35	12	19	8
9	112	190	124	1,580	648	989	365	181	81 *	36	12	18	9
10	90	160	142	2,520	617	922	362	211	86	30	8.0	16	10
11	84	142	380	1,340	595	840	363	218	80	31	6.2	15	11
12	82	135	1,940	1,390 *	766	776	343	219	68	30	5.2	15	12
13	78	132	1,400	3,820	1,140	727	360	213	64	24	8.1	18	13
14	87	132	517	9,640 *	1,020	707	357	199 *	67	29	9.2	44	14
15	158	134	402	3,950	819	679	249	179	62	17	11	50	15
16	285	134	350	4,580	865	651	302 *	161	56	15	10	50	16
17	212 *	132	324	4,400	1,370	629	254	158	50	14 *	10 *	66	17
18	163	130 *	310	2,850	1,010	593	237	163	43	20	13	68 *	18
19	133	131	1,930	2,160	846	573	219	170	39	17	17	70	19
20	134	117	1,980	2,060	764	559	203	159	33	12	17	70	20
21	138	101	4,120	5,780 *	704	538	167	152	26	8.0	17	67	21
22	136	112	1,880 *	5,580	649	518	143	145	18	11	21	68	22
23	135	109	1,850	7,190	613	509	136	141	14	12	21	68	23
24	135	109	3,010	10,700	586	491	127	134	21	14	14	68	24
25	125	111	1,620	4,300	613	491 *	121	121	24	8.4	11	67	25
26	113	117	1,080	2,880	634	491	142	117	20	7.9	5.8	68	26
27	113	109	779	4,250	619	475	153	110	18	13	6.0	68	27
28	113	108	624	2,770	700	467	125	101	23	17	8.0	69	28
29	112	106	530	2,090		456	100	91	38	14	8.4	71	29
30	112	107	469	1,700		439	95	82	23	7.9	9.7	70	30
31	111		420	1,430		422		73		5.7	9.8		31
MEAN	112	129	872	2,955	817	776	264	143	49.3	17.5	9.9	46.0	MEAN
MAX.	285	229	4,120	10,700	1,370	2,500	406	219	86.0	38.0	21.0	71.0	MAX.
MIN.	50.0	57.0	101	299	586	422	95.0	73.0	14.0	5.7	4.2	15.0	MIN.
AC. FT.	6920	7724	53621	181753	45384	47748	15761	8819	2934	1078	612	2739	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
518.1	18300	12.42	01	24	0215	3.5	2.88	06	22	1600	375091

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 40 37	121 46 38	NW17 21N 2E	21300 E	14.55	12/22/64	JAN 58-DATE	JAN 58-DATE	1958		181.01	USED

Station located 0.1 mi. below Ord-Chico Highway Bridge, 2.6 mi. NE of Durham. Tributary to Butte Slough. Flow affected at times by large upstream diversions and imports from West Branch Feather River.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	A04280	LITTLE CHICO CREEK NEAR CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	1.4	7.0	32	219	242	32	19	5.2	4.1	0.0	0.0	1
2	0.0	3.0	6.9	27	208	183	32	18	5.3	2.5	0.0	0.0	2
3	0.0	1.5	6.0	23	195	156	35	18	5.2	3.4	0.0	0.0	3
4	0.0	2.7	5.4	20	184	135	31	17	5.1	3.7	0.0	0.0	4
5	0.0	3.8	5.1	18	284	119	119	16	5.1	3.1	0.0	0.0	5
6	0.0	2.7	4.7	16	294	110	106	15	5.0	3.0	0.4	0.0	6
7	0.0	2.2	4.6	15	214	103	78	14	5.2	3.1	0.0	0.0	7
8	0.0	1.9	5.1	14	233	93	63	14	5.5	3.2	0.0	0.0	8
9	0.0	1.8	8.1	13	627	86	54 *	13	6.4	3.0	0.0	0.0	9
10	0.0	1.7	136	12	381	78	47	12	6.6	2.9	0.0	0.0	10
11	0.0	1.8	49	72	519	69	42	12	8.0	3.1	0.0	0.0	11
12	4.6	7.8	26	537	616	64	40	12	6.8	3.0	0.0	0.0	12
13	4.5	5.4 *	27	914 *	366	60	38	11	6.2 *	2.9	0.0	0.0	13
14	3.7	6.8	193	355	361 *	55	36	11	5.7	1.0	0.0	6.1	14
15	2.1	15	160	202	678 *	51	33	10	5.7	0.0	0.0	1.9	15
16	1.2	8.4	79	135 *	389	49	31	9.9	5.7	1.1	0.0	0.0	16
17	0.8	5.8	37 *	130	255	50	31	9.7	4.9	3.7	0.0	0.0	17
18	0.7	14	26	177	203	47	29	9.4	5.1	2.3	0.0	0.0	18
19	0.7	11	20	404	166	44	28	9.3	5.1	1.3	0.0	0.0	19
20	0.6	7.3	16	664	154	47	27	9.0	5.0	1.1	0.0	0.0	20
21	0.6	5.6	13	1,140 *	139	67 *	26	8.8	4.9	0.6	0.0	0.0	21
22	0.6	4.7	12	729	126	50	25	8.3	4.8	0.0	0.0	0.0	22
23	0.6	4.1	29	465	184	46	34	7.6	4.5	0.0	0.0	0.0	23
24	0.5	4.6	269	369	201	43	30	7.1	4.5	0.0	0.0	0.0	24
25	0.5	5.4	204	434	160	41	26	6.8	1.3	0.0	0.0	0.0	25
26	0.5	4.8	85	513	138	40	24	6.6	0.0	0.3	0.0	0.0	26
27	0.5	4.2	64	363	128	37	22	6.6	0.0	0.4	0.0	0.0	27
28	0.5	3.9	86	311	229	36	21	6.1 *	0.0	0.1	0.0	0.0	28
29	2.2	3.9	71	275		35	20	5.7	1.2	0.3	0.0	0.0	29
30	3.8	7.5	49	261		34	20	5.4	1.9	0.2	0.0	0.0	30
31	1.9		38	229		33		5.2		0.0	0.0		31
MEAN	1.0	5.2	56.2	286	280	74.3	39.3	10.8	4.5	1.7	0.0	0.3	MEAN
MAX.	4.6	15.0	269	1,140	678	242	119	19.0	8.0	4.1	0.4	6.1	MAX.
MIN.	0.0	1.4	4.6	12.0	126	33.0	20.0	5.2	0.0	0.0	0.0	0.0	MIN.
AC. FT.	62	307	3455	17591	15572	4568	2340	661	270	106	1	16	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
62.1	1450	5.28	01	13	0945	0.0	0.01	10	01	0000	44949

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 44 02	121 46 23	NE29 22N 2E	1790	7.17	12/21/64	JAN 59-DATE	DEC 58-DATE	1958		296.00	USED

Station located above diversion dam 500 ft. S of Stilson Road, 3.6 mi. E of Chico. Tributary to Sacramento River. During periods of high water, flow is diverted via Little Chico Creek Diversion, into Butte Creek. Discharge listed does not include this diversion. Drainage area is 25.4 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A04280	LITTLE CHICO CREEK NEAR CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.8	7.4	48	119	266	22	9.6	4.4	1.7	0.0	0.0	1
2	0.0	0.6	8.1	43	106	133	21	9.1	4.3	1.5	0.0	0.0	2
3	0.0	0.5	8.8	40	95	102	21	8.9	3.9	1.2	0.0	0.0	3
4	0.0	1.1	9.8	37	87	140	20	8.7	3.9	1.1	0.0	0.0	4
5	0.0	15	11	34	78	111	19	8.6	3.8	1.0	0.0	0.0	5
6	0.0	6.9	12	31	70	87	18	8.6	3.8	0.8	0.0	0.0	6
7	0.0	15	13	30	64	84	18	8.2	3.6	1.0	0.0	0.0	7
8	0.0	7.9	17	46	59	114	17	8.2	4.0	0.8	0.0	0.0	8
9	0.0	4.7	19	355	56	87	17	8.4	4.7*	1.0	0.0	0.0	9
10	0.0	3.6	25	228	51	85	16	8.2	4.4	0.8	0.0	0.0	10
11	0.0	3.0	61	144	48	71	16	8.1	3.9	0.9	0.0	0.0	11
12	0.0	2.5	263	196 *	67	62	15	7.7	3.8	0.7	0.0	0.0	12
13	0.0	2.2	142	462	138	54	15	7.5	3.5	0.6	0.0	0.0	13
14	0.0	2.1	68	1,070 *	109	49	14	7.2*	3.7	0.6	0.0	0.0	14
15	3.7	2.2	55	403	88	46	14 *	7.0	3.3	0.4	0.0	0.0	15
16	10	2.2	48	497	113	42	13	6.6	3.0	0.1	0.0	0.0	16
17	4.5	1.8	45	258	127	39	13	6.3	3.0	0.3*	0.0	0.0	17
18	3.1	1.7	50	172	103	37 *	12	6.0	3.1	0.3	0.0	0.0	18
19	2.2	1.7*	453 *	167	86	36	12	6.0	2.7	0.2	0.0	0.0	19
20	1.5	2.0	258	204	76	34	12	6.0	2.6	0.2	0.0	0.0	20
21	1.0*	2.4	378	867 *	68	33	12	5.7	2.3	0.2	0.0	0.0	21
22	0.8	3.0	184	499	61	32	12	5.7	2.2	0.3	0.0	0.0	22
23	0.9	3.4	388	684 *	57	31	11	5.7	2.0	0.3	0.0	0.0	23
24	1.1	3.7	471	831	54	29	11	5.5	2.0	0.2	0.0	0.0	24
25	1.2	4.1	202	441	50	28	11	5.0	1.9	0.1	0.0	0.0	25
26	1.3	4.4	137	303	48	28	11	5.0	1.9	0.1	0.0	0.0	26
27	1.4	5.2	111	467	47	27	11	5.0	1.8	0.0	0.0	0.0	27
28	1.4	5.7	88	255	59	25	10	5.0	2.8	0.0	0.0	0.0	28
29	0.8	6.1	72	187		24	10	4.8	3.0	0.0	0.0	0.0	29
30	0.7	6.7	61	156		24	9.7	4.6	2.0	0.0	0.0	0.0	30
31	0.8		54	135		23		4.5		0.0	0.0		31
MEAN	1.2	4.1	120	299	78.0	64.0	14.5	6.8	3.2	0.5	0.0	0.0	MEAN
MAX.	10.0	15.0	471	1,070	138	266	22.0	9.6	4.7	1.7	0.0	0.0	MAX.
MIN.	0.0	0.5	7.4	30.0	47.0	23.0	9.7	4.5	1.8	0.0	0.0	0.0	MIN.
AC. FT.	72	242	7379	18426	4332	3933	860	419	189	33			AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
49.6	1570	5.74	01	14	0800	0.0	0.01	10	01	0000	35886

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 44 02	121 46 23	NE29 22N 2E	1790	7.17	12/21/64	JAN 59-DATE	DEC 58-DATE	1958		296.00	USED

Station located above diversion dam 500 ft. S of Stilson Road, 3.6 mi. E of Chico. Tributary to Sacramento River. During periods of high water, flow is diverted via Little Chico Creek Diversion, into Butte Creek. Discharge listed does not include this diversion. Drainage area is 25.4 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A02984	CHEROKEE CANAL NEAR RICHVALE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	7.1	19	36	104	185	1,070	55	52	50	69	34	46	1
2	5.2	13	35	93	167	386	55	50	36	68	34	45	2
3	4.8	24	35	88	150	155	53	57	28	66	33	43	3
4	4.9	28	34	84	148	459	45	64	25	65	32	40	4
5	3.6	53	29	80	139	588	47	57	20	61	34	51	5
6	2.8	70	34	77	129	196	50	38	14	55	34	65	6
7	2.2	45	37	78	123	142	51	47	17	18	33	61	7
8	2.0	44	40	83	118	612	45	40	20	30	31	55	8
9	2.4	40	45	1,270	112	230	47	42	25 *	35	32	51	9
10	3.1	38	42	1,420	85	281	50	40	43	20	32	55	10
11	5.6	38	61	384	71	159	52	24	56	42	32	47	11
12	7.3	37	153	641	90	122	47	13	75	57	28	41	12
13	8.3	37	492	1,410	701	133	41	18	76	56	27	38	13
14	6.9	36	127	4,430 *	1,070	126	43	20 *	80	46	24	37	14
15	6.3	39	94	1,330	243	114	46	18	66	45	21	28	15
16	9.2	36	75	2,460	166	105	48 *	16	64	20	21	21	16
17	10	34	65	992	626	94	47	19	72	26 *	22 *	15	17
18	10	34	63	565	221	88	53	20	78	27	21	10 *	18
19	16	34 *	1,620	615	135	84	63	30	76	27	20	7.2	19
20	25 *	34	1,640	973	105	80 *	54	32	69	28	18	16	20
21	28	35	1,530	3,850	91	77	44	38	59	31	28	26	21
22	28	35	751	1,870	83	75	44	38	57	29	36	16	22
23	27	36	1,780	987	77	74	78	33	55	24	30	17	23
24	27	35	3,840 *	2,330	73	71	92	24	55	23	15	11	24
25	27	35	959	718	69	68	82	19	53	22	9.3	5.1	25
26	28	36	455	451	65	65	73	27	52	22	9.9	3.1	26
27	29	37	264	1,420	62	62	72	39	54	23	33	2.3	27
28	27	37	188	533	64	61	66	58	60	26	44	1.3	28
29	26	36	148	324		60	77	58	65	36	47	1.2	29
30	25	36	126	260		58	58	54	69	34	48	1.2	30
31	25		110	215		57		50		32	47		31
MEAN	14.2	36.4	480	972	191	192	55.9	36.6	52.3	37.5	29.4	28.5	MEAN
MAX.	29.0	70.0	3,840	4,430	1,070	1,070	92.0	64.0	80.0	69.0	48.0	65.0	MAX.
MIN.	2.0	13.0	29.0	77.0	62.0	57.0	41.0	13.0	14.0	18.0	9.3	1.2	MIN.
AC. FT.	872	2164	29570	59772	10647	11806	3328	2251	3112	2307	1805	1699	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
178.6	7320	11.48	01	14	1315	0.9	1.89	09	29	0045	129333

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 27 53	121 44 37	NW34 19N 2E	15200 E	13.80	10/13/62	JUL 60-DATE	JUL 60-DATE	1960		88.20	USCGS

Station located at Butte City Road Bridge, 2.1 mi. S of Richvale. Backwater from Cherokee Dam weir, 1.05 mi. below station, at times affects the stage-discharge relationship.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A02967	BUTTE SLOUGH AT OUTFALL GATES

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	223	152	0.0		0.0	620	26	108	262	0.0	113	1
2	0.0	230	166	0.0		0.0	600	37	105	250	0.0	120	2
3	76	230	112	0.0		0.0	600	47	71	254	0.0	195	3
4	128	242	76	0.0		0.0	591	54	0.0	239	0.0	186	4
5	144	248	112	0.0		0.0	586	73	0.0	203	17	187	5
6	136	235	128	0.0		0.0	562	177	0.0	55	49	193	6
7	128	235	144	0.0		0.0	537	232	0.0	117	59	201	7
8	120	262	128	0.0		0.0	502	250	0.0	102	59	196	8
9	120	262	128	0.0		0.0	492	318	0.0	97	61	197	9
10	136	242	195	0.0		0.0	291	399	0.0	47	87	287	10
11	136	216	267	0.0	N	0.0	242	492	27	0.0	119	364	11
12	128	216	267	0.0	O	0.0	232	536	238	0.0	117	372	12
13	120	195	0.0	0.0		0.0	208	667 *	264	0.0	121 *	457	13
14	112	242 *	0.0	0.0		0.0	198	692	180	0.0	123	511	14
15	136	166	0.0	0.0		0.0	181	767	86	0.0	132	504	15
16	188	112	0.0	0.0	F	0.0	163	774	73 *	0.0	134	471 *	16
17	223	128	0.0	0.0	L	0.0	103 *	584	80	0.0 *	130	527	17
18	209	112	0.0	0.0	O	0.0	111	547	208	0.0	123	537	18
19	216	103	0.0	0.0	W	0.0	130	511	246	0.0	123	542	19
20	216	112	0.0	0.0		383	117	431	170	0.0	126	507	20
21	195	136	0.0	0.0		698	100	370	86	0.0 *	129	423	21
22	188	136	0.0	0.0		711	89	458	63	0.0	131	352	22
23	216	120	0.0	0.0		717	65	488	48	0.0	125	280	23
24	223 *	128	0.0	407		717	59	471	13	0.0	93	203	24
25	242	128	0.0	749		723 *	55	432	0.0	0.0	0.0	188	25
26	235	144	0.0	1120		711	34	330	0.0	0.0	0.0	195	26
27	235	144	0.0	1000		711	39	302	0.0	22	0.0	195	27
28	223	159	0.0	837		736	46	304	0.0	28	95	195	28
29	216	174	0.0	749		717	52	296	0.0	27	123	202	29
30	216	159	0.0	749		686	34	281	130	28	121	202	30
31	230		0.0	512		654		227		16	115		31
MEAN	164	181	60.5	198		263	255	373	73.2	59.6	81.0	303	MEAN
MAX.	242	262	267	1120		736	620	774	264	262	134	542	MAX.
MIN.	0.0	103	0.0	0.0		0.0	34	26	0.0	0.0	0.0	113	MIN.
AC. FT.	10100	10790	3719	12140		16190	15150	22950	4356	3660	4980	18050	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
169	NR					NR					122100

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 11 44	121 56 04	NE35 16N 1W				JUN 24-OCT 38ȣ JAN 39-DATE	JUNE 24-DATE			0.00	USED

Station located 4.0 mi. E of Colusa, 3.7 mi. N of Meridian. Tributary to Sacramento River. Flow regulated by gravity culverts. During the summer months these flows, together with the flow of Butte Slough near Meridian and Wadsworth Canal near Sutter are made up almost entirely of return water from lands irrigated by Feather River diversions.

ȣ - Irrigation season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A02965	RECLAMATION DISTRICT 70 DRAINAGE TO SACRAMENTO RIVER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	10	0.0	0.0	31	93	50	0.0	0.0	36	14	16	29	1
2	0.0	0.0	0.0	9.2	93	65	31	34	32	14	15	35	2
3	20	0.0	0.0	0.0	86	64	39	43	39	12	15	30	3
4	20	0.0	0.0	0.0	66	67	8.0	37	37	14	16	31	4
5	15	0.0	0.0	25	87	68	23	28	39	14	17	33	5
6	10	0.0	0.0	36	74	63	11	18	41	14	16	32	6
7	10	0.0	0.0	10	66	64	28	53	36	14	17	34	7
8	10	0.0	0.0	0.0	67	52	8.0	54	25	7.0	17	44	8
9	10	0.0	0.0	26	58	32	28	57	20	0.0	16	50	9
10	20	0.0	0.0	34	67	54	23	74	19	0.0	16	55	10
11	0.0	0.0	0.0	61	49	63	24	69	19	15	16	61	11
12	5.1	0.0	0.0	68	57	64	77	66	10	19	16	50	12
13	5.1	0.0	0.0	57	88	42	58	54	13	16	17	52	13
14	5.1	32	0.0	57	98	34	0.0	60	12	14	17	46	14
15	5.1	15	0.0	67	97	35	34	40	16	12	17	46	15
16	0.0	0.0	0.0	114	98	36	20	40	15	12	17	53	16
17	0.0	0.0	0.0	105	77	36	69	43	16	13	17	20	17
18	0.0	0.0	0.0	94	68	37	11	23	16	12	17	13	18
19	0.0	0.0	0.0	93	68	37	25	16	13	13	17	13	19
20	0.0	0.0	0.0	94	68	37	107	16	16	13	16	18	20
21	0.0	0.0	0.0	137	56	37	26	16	18	15	14	13	21
22	0.0	0.0	20	179	31	37	0.0	85	17	15	14	13	22
23	9.7	0.0	29	148	59	37	12	76	16	14	16	13	23
24	0.0	0.0	30	159	70	11	22	26	17	15	16	8.9	24
25	0.0	0.0	29	149	43	0.0	14	38	18	14	17	8.9	25
26	0.0	0.0	29	121	32	27	9.4	45	18	13	16	8.9	26
27	15	0.0	8.5	122	33	7.8	7.5	43	15	10	16	8.9	27
28	16	0.0	0.0	118	34	0.0	0.0	45	14	8.7	16	22	28
29	0.0	0.0	0.0	95		6.4	0.0	41	13	7.0	17	22	29
30	0.0	0.0	0.0	103		39	19	46	15	1.4	15	25	30
31	0.0		22	92		29		42		17	15		31
MEAN	6.0	1.6	5.4	77.6	67.2	39.7	24.5	42.8	21.0	12.0	16.1	29.6	MEAN
MAX.	20	32	30	179	98	68	107	85	41	19	17	61	MAX.
MIN.	0.0	0.0	0.0	0.0	31	0.0	0.0	0.0	10	0.0	14	8.9	MIN.
AC. FT.	369	93	332	4769	3735	2442	1500	2634	1252	738	992	1763	AC. FT.

— ESTIMATED
NR — NO RECORD
: — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
E — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
28.4	NR					NR					20620

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 04 08	121 51 43	NE16 14N 1E				MAY 24-OCT 38 ȣ JAN 39-DATE					

Plant located 1.7 mi. E of Grimes. This is drainage returned by pumping and gravity. Plant also discharges additional unmeasured flows to irrigation canals.

ȣ - Irrigation season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A02960	TISDALE WEIR SPILL TO SUTTER BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			0.0	6720	14900	0.0							1
2			0.0	4120	14400 *	3500							2
3			0.0	2940	14400	3190							3
4			0.0	586	14400	103							4
5			0.0	0.0	14600	247							5
6			0.0	0.0	13700 *	3790							6
7			0.0	0.0	12500	1030							7
8			0.0	0.0	11600	0.0							8
9			0.0	0.0	11500	2630							9
10			0.0	3300	11000	2670							10
11	N	N	0.0	10200	9970	2770	N	N	N	N	N	N	11
12			0.0	8510	9060	1480							12
13	O	O	0.0	7500 *	8360	59	O	O	O	O	O	O	13
14			2640	8620	8670	0.0							14
15			1270	11500	8970	0.0							15
16	F	F	0.0	13300 *	6780	0.0	F	F	F	F	F	F	16
17	L	L	0.0	12100	5690	0.0	L	L	L	L	L	L	17
18			0.0	11600 *	7320	0.0							18
19	O	O	0.0	17900	6090	0.0	O	O	O	O	O	O	19
20	W	W	1420	17500	5420	0.0	W	W	W	W	W	W	20
21			7250	18200	4590								21
22			8530	18200	3500	0.0							22
23			9330	19000	1680	0.0							23
24			8880	17400	1860	0.0							24
25			11400	14500 *	1190	0.0							25
26			11100	18100	517	0.0							26
27			10300	16500	0.0	0.0							27
28			9420	16300	0.0	0.0							28
29			8620 *	15000		0.0							29
30			11200	15100		0.0							30
31			9930	15200		0.0							31
MEAN			3590	10320	7950	693							MEAN
MAX.			11400	19000	14900	3790							MAX.
MIN.			0.0	0.0	0.0	0.0							MIN.
AC. FT.			220700	634500	441700	42580							AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
1845	20600	49.66	1	24	2400	0.0					1339000

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 01 36	121 49 16	NE35 14N 1E	25700	53.3	3/1/40	JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED

Station located west of north end of weir, 5.0 mi. SE of Grimes. See Sacramento River at Tisdale Weir for stage records. Elevation of weir crest is 45.45 ft. USED datum; length of crest is 1,155 ft. Backwater from Sutter Bypass at times affects stage-discharge relationship.

- Flood season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A02933	RECLAMATION DISTRICT 108 DRAINAGE TO SACRAMENTO RIVER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	67	0.0	0.0	85	216	134	0.0	205	201	161	204	265	1
2	0.0	0.0	0.0	0.0	125	132	113	156	313	161	216	251	2
3	0.0	0.0	112	88	127	130	0.0	156	238	161	245	286	3
4	94	81	0.0	72	186	94	0.0	242	261	214	163	268	4
5	0.0	0.0	0.0	84	153	132	139	312	261	161	245	275	5
6	0.0	0.0	0.0	0.0	125	132	0.0	234	253	161	238	285	6
7	0.0	51	0.0	86	125	132	0.0	317	214	161	228	325	7
8	110	0.0	0.0	78	125	124	113	317	264	161	218	388	8
9	0.0	0.0	0.0	137	125	79	0.0	338	310	161	235	422	9
10	0.0	0.0	0.0	133	125	130	127	390	362	163	241	450	10
11	0.0	0.0	107	252	36	130	0.0	322	352	163	228	497	11
12	0.0	0.0	0.0	158	184	130	76	270	214	218	224	468	12
13	126	101	0.0	171	154	63	0.0	276	178	161	231	368	13
14	0.0	0.0	0.0	288	156	106	107	312	228	161	252	307	14
15	0.0	0.0	0.0	388	127	112	0.0	312	191	161	286	237	15
16	0.0	0.0	0.0	388	130	82	0.0	238	161	161	245	289	16
17	114	0.0	0.0	460	172	43	128	211	271	161	265	219	17
18	0.0	0.0	108	356	127	57	0.0	224	161	210	221	218	18
19	0.0	0.0	0.0	245	127	86	154	298	161	161	269	227	19
20	0.0	0.0	0.0	276	127	77	99	224	198	161	211	156	20
21	74	0.0	142	486	127	0.0	158	161	161	161	219	156	21
22	0.0	0.0	0.0	499	73	143	158	241	161	161	272	156	22
23	0.0	0.0	132	385	89	36	44	246	163	161	214	83	23
24	0.0	109	245	485	83	0.0	161	278	191	161	286	114	24
25	121	0.0	122	367	124	145	188	163	198	231	269	0.0	25
26	97	0.0	94	245	0.0	0.0	317	163	309	161	275	153	26
27	0.0	0.0	80	245	134	137	158	163	214	228	271	0.0	27
28	110	0.0	98	245	106	0.0	317	228	322	161	245	127 *	28
29	0.0	0.0	0.0	122		0.0	312	326	248	238	258	0.0	29
30	0.0	0.0	7.8	211		149	312	221	281	163	285	75	30
31	0.0		125	125		27		163		258	271		31
MEAN	29.5	11.4	46.5	231	125	88.5	106	249	235	176	243	236	MEAN
MAX.	126	109	245	499	186	149	317	390	362	258	286	497	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	156	161	161	163	0.0	MIN.
AC. FT.	1811	678	2862	14200	6958	5439	6309	15290	13960	10840	14940	14010	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
148	NR					NR					107300

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 52 45	121 47 29	NE30 12N 2E				APR 24-OCT 38 8 JAN 39-DATE					

Plant located 4.5 mi. E of Robbins. This is drainage returned by pumping. See Sacramento River near Rough and Ready Bed for river stages.

8 - Irrigation season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A02955	RECLAMATION DISTRICT 787 DRAINAGE TO SACRAMENTO RIVER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15					RECORDS SUFFICIENT TO COMPUTE ONLY MONTHLY FLOWS								15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN	0.6	1.2	11.9	44.2	31.7	19.8	16.8	52.0	50.6	60.2	64.1	35.5	MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.	39	69	729	2720	1760	1220	1000	3200	3010	3700	3940	2110	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
32.5	NR					NR					23497

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 50 47	121 43 46	NE34 12N 2E				MAY 49-DATE					

Plant located 2.1 mi. SW of Robbins. This is drainage returned by pumping. Daily distribution of flows is not available since the plant operates on an automatic float switch.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A02976	COLUSA BASIN DRAIN AT HIGHWAY 20

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	216	232	103	447	2,030	464	306	885	466	938	614	1,020	1
2	215	237	94	395	1,560	434	286	755	386	922	661	1,000	2
3	216	271	99	358	1,320	363	306	739	267	787	691	1,010	3
4	215	272	103	330	1,120	408	328	836	230	731	633	1,030	4
5	216	295	92	301	947	846	368	988	288	666	577	1,030	5
6	217	443	83	277	826	672	438	1,180	257	584	584	1,010	6
7	218	498	93	261	719	472	449	1,310	302	532	639	1,030	7
8	218	466	109	280	638	555	225	1,440	359 *	507	658	1,090	8
9	155	434	110	1,070	614	904	312	1,520	572	516	674	1,150	9
10	133	402	115	2,750	696	736	194	1,570	737	534	704	1,190	10
11	138	445	163	2,960	638	685	160	1,520	816	550	664 *	1,170	11
12	108	431	259	2,950	605	504	247	1,450 *	771	553	659	1,160	12
13	109	365	275	2,910	1,120	431	202	1,430	688	572 *	688	1,090	13
14	114	275 *	277	3,150	2,180	386	157	1,350	625	534	714	1,000 *	14
15	207	204	259	3,790	1,850	349	200	1,250	681	507	741	905	15
16	332	161	279	4,310	1,530	320	161	1,030	653	471	759	792	16
17	263	151	254	4,720	1,400	331	252 *	833	604	499	787	721	17
18	198	142	243	4,520	1,120	297	329	737	543	566	786	693	18
19	209	132	533	4,180 *	840	276	334	804	522	577	774	630	19
20	223	134	1,350	4,050	674	265	270	857	482	620	770	604	20
21	231	122	1,630	4,050	594	251	233	934	505	593	796	573	21
22	260	108	1,480	3,910	538	236	234	941	460	585	838	476	22
23	226	108	1,210	3,790	495	222	287	886	401	600	850	411	23
24	191	123	2,120	3,920	473	209 *	340	821	424	608	905	375	24
25	184	123	2,280	4,120	440	185	431	718	427	595	966	316	25
26	193	132	1,940	4,000	412	159	603	521	423	593	1,040 *	289	26
27	241	116	1,410	3,970	392	153	699	396	440	602	1,060	301	27
28	252 *	121	989	3,860	384	146	789	450	573	601	1,070	267	28
29	209	94	695	3,620		154	981	485	926	607	1,040	250	29
30	212	96	563 *	3,220		252	971	547	939	589	1,000	255	30
31	231		476	2,650		205		490		603	994		31
MEAN	204	237	635	2,745	934	382	369	957	525	604	785	761	MEAN
MAX.	332	498	2,280	4,720	2,180	904	981	1,570	939	938	1,070	1,190	MAX.
MIN.	108	94.0	83.0	261	384	146	157	396	230	471	577	250	MIN.
AC. FT.	12595	14148	39047	168831	51878	23544	22001	58856	31273	37174	48270	45298	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
763.7	5010	50.88	01	17	0830	76.0	37.73	12	06	2330	552914

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
31 11 44	122 03 34	NE34 16N 2W		51.93	2/21/58	JUN 24-DEC 40 8	JUN 24-DEC 40 8		1957	37.09	USED
			5120	50.96	2/18/69	MAY 41-DATE	MAY 41-DATE	1957		0.00	

Station located at State Highway 20 Bridge, 3.0 mi. W of Colusa.

8 - Irrigation season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A02945	COLUSA BASIN DRAIN AT KNIGHTS LANDING

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	88	157	14			0.0	179	790	298	833	381	907	1
2	85	158	14			0.0	270	712	253	857	440	987	2
3	92	181	14			0.0	190	421	131	690	500	967	3
4	60	202	14			0.0	194	553	48	606	500	1010	4
5	105	243	32			0.0	182	675	62	500	440	1040	5
6	38	298	32			0.0	287	861	75	480	400	1030	6
7	16	417	7.0			0.0	362	1090	83	340	424	1040	7
8	12	478	50			0.0	237	1260	158	229	500	1110	8
9	28	407	32			0.0	98	1510	340	181	520	1260	9
10	21	336	18			0.0	170	1520	536	229	556	1370	10
11	12	354	331	N	N	0.0	112	1610	687	253	556	1440	11
12	16	412	382	O	O	0.0	130	1510	811	319	480	1330	12
13	13	408 *	508			0.0	179	1530	728	340	520	1260	13
14	38	303	0.0			0.0	58	1400	604	319	591 *	1170	14
15	268	226	0.0			0.0	104	1660 *	595 *	275	595	1050	15
16	420	156	0.0	F	F	0.0	59	1310	575	229 *	615	935	16
17	457	110	0.0	L	L	0.0	59	858	535	181	667	799	17
18	256	69	0.0	O	O	0.0	154	760	476	253	683	756	18
19	181	68	0.0	W	W	0.0	154	630	406	319	683	682	19
20	209	49	0.0			0.0	105 *	762	361	340	699	598	20
21	186	48	0.0			0.0	33	812	340	400	711	579	21
22	173	31	0.0			0.0	22	876	340	361	725	371	22
23	216 *	12	0.0			485	16	872	253	319	821	293	23
24	132	49	0.0			531	38	772	253	298	857	361	24
25	89	49	0.0			540	82	662	181	340	901	253	25
26	89	49	0.0			566	204	546	181	275	933	253	26
27	112	49	0.0			448	378	228	205	298	957	253	27
28	175	32	0.0			0.0	619	239	298	319	951	253	28
29	133	32	0.0			0.0	679	298	520	319	987	206	29
30	134	14	0.0			0.0	893	340	802	319	971	253	30
31	135		0.0			0.0		361		361	931		31
MEAN	129	180	46.7			82.9	208	885	371	367	661	794	MEAN
MAX.	457	478	508			566	893	1660	811	833	987	1440	MAX.
MIN.	12	12	0.0			0.0	16	228	48	181	381	206	MIN.
AC. FT.	7912	10700	2872			5098	12390	54400	22090	22580	40650	47240	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE-FEET
312	NR					NR					220900

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 47 58	121 43 27	SW14 11N 2E		36.8	2/10/42	MAY 24-OCT 39 8 JAN 40-DATE	MAY 24-OCT 39 8 JAN 40-DATE	1924		0.00	USED

Station located at Knights landing Outfall Gates, 0.3 mi. W of Knights Landing. Tributary to Sacramento River. Flow regulated by outfall gates.

8 - Irrigation season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A02950	RECLAMATION DISTRICT 787 DRAINAGE TO COLUSA BASIN DRAIN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN	0.0	0.0	0.0	4.9	0.7	0.0	0.0	24.6	18.0	0.2	5.5	8.2	MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.	0.0	0.0	0.0	304	41	0.0	0.0	1510	1070	13	341	486	AC. FT.

RECORDS SUFFICIENT TO COMPUTE ONLY MONTHLY FLOWS

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
5.2	NR					NR					3765

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 48 03	121 43 28	NW14 11N 2E				JAN 40-DATE					

Plant located 0.3 mi. W of Knights Landing. This is drainage returned by pumping between Knights Landing Outfall Gates and Sacramento River. Daily distribution of flows is not available since the plant operates on an automatic float switch.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A02930	FREMONT WEIR SPILL TO YOLO BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			0.0	12,200	114,000								1
2			0.0	2,460 A	97,000								2
3			0.0	0.0	86,800								3
4			0.0	0.0	77,100								4
5			0.0	0.0	63,200								5
6			0.0	0.0	54,200								6
7			0.0	0.0	44,500								7
8			0.0	0.0	33,300								8
9			0.0	0.0	27,200								9
10	N	N	0.0	0.0	24,000	N	N	N	N	N	N	N	10
				0.									
11	O	O	0.0	0.0	20,300	O	O	O	O	O	O	O	11
12			0.0	0.0	16,600								12
13			0.0	0.0	13,900								13
14			0.0	20 A	15,700								14
15	F	F	0.0	47,000	18,500	F	F	F	F	F	F	F	15
16	L	L	0.0	89,400	15,200	L	L	L	L	L	L	L	16
17			0.0	137,000	12,600								17
18	O	O	0.0	155,000	13,300	O	O	O	O	O	O	O	18
19			0.0	148,000	11,000								19
20	W	W	0.0	136,000	7,380	W	W	W	W	W	W	W	20
21			0.0	128,000	1,940 A								21
22			0.0	173,000	0.0								22
23			0.0	172,000	0.0								23
24			6,360 A	187,000	0.0								24
25			41,500	221,000	0.0								25
26			51,200	222,000	0.0								26
27			45,000	200,000	0.0								27
28			36,000	189,000	0.0								28
29			28,400	167,000									29
30			23,400	157,000									30
31			19,000	139,000									31
MEAN			8,092	86,800	27,400								MEAN
MAX.			51,200	222,000	114,000								MAX.
MIN.			0.0	0.0	0.0								MIN.
AC. FT.			497,600	5,337,000	1,523,000								AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *
A — PARTIAL DAYS OF FLOW

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
10,170	228,860		1	25	2015	0.0		10	1	0000	7,358,000

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
			294,000		12-23-1955	JAN 1935-DATE					

See Sacramento River at Fremont Weir, East End, and Sacramento River at Fremont Weir, West End, for stage records and locations. Elevation of weir crest is 33.50 feet, USED datum; length of crest is 9,120 feet.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A02972	BUTTE SLOUGH NEAR MERIDIAN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	159	153	164	8,340	91,600	2,550	1,570	245	226	271	236	252	1
2	159	151	164	5,360	81,700	2,460	1,690	264	241	268	263	286	2
3	140	149	163	3,460	74,600	2,870	1,520	281	175	287	285	297	3
4	120	152	163	2,440	67,100	3,280	1,280	293	160	262	293	276	4
5	117	160	161	1,770	59,000	3,640	1,100	301	147	227	303	277	5
6	114	204	162	1,380	51,700 *	3,850	1,050	300	142	220	291	289	6
7	110	260	164	1,240	44,800	4,130	1,070	298	136	240	279	300	7
8	106	276	169	1,170	38,600	4,200	1,040	335	131	194	281	291	8
9	103	263	177	1,210	34,400	4,010	931	323	159	170	297	290	9
10	98	241	174	1,550	31,400	3,890	822	284	218	177	309	319	10
11	105	218	161	9,820	27,900	3,690	1,060	342	295	214	274	269	11
12	105	156	158	13,400	23,500	3,540	533	365	287	251	257	288	12
13	106	116	418	10,900	20,400	3,300	269	350 *	209	256	247 *	254	13
14	104	105 *	1,030	11,100	19,000	3,030	283	349	179	261	256	181	14
15	113	135	1,240	19,400	20,200	2,840	277	320	199	266 *	278	196	15
16	134	151	1,200	36,700	17,300	2,580	264	288	276 *	265	294	204 *	16
17	193	154	1,110	48,800	12,600	2,380	186 *	263	287	251	269	189	17
18	242	154	1,020	63,800	12,000	2,090	142	257	320	247	248	195	18
19	211	156	988	68,700 *	11,800	1,800	167	234	220	255	238	201	19
20	187	161	1,250	59,400	8,900	1,610	170	240	232	298	253	194	20
21	174	161	7,460	51,000	7,010	1,440	186	333	220	298	275	176	21
22	167	160	17,600	58,600	5,810	1,290	178	316	222	261	278	149	22
23	163	159	22,700	75,000	4,880	1,180	145	275	214	242	257	128	23
24	163	154	22,900	99,400	4,220	1,050	164	256	219	238	241	104	24
25	165	157	25,700	134,000	3,690	953	197	230	216	259	285	96	25
26	165	159	27,000	150,000 *	3,240	896	225	199	208	273	282	95	26
27	166 *	161	24,500	138,000	2,910	1,010 *	250	235	225	291	281	99	27
28	162	163	20,600	125,000	2,640	790	279	244	224	282	287	103	28
29	155	167	16,900	128,000		745	294	232	266	261	263	101	29
30	154	167	14,300	123,000 *		1,320	260	210	327	240	272	95	30
31	154		11,800	107,000		1,240		168		225	256		31
MEAN	145	170	7,151	50,288	27,960	2,375	586	278	219	250	271	206	MEAN
MAX.	242	276	27,000	150,000	91,600	4,200	1,690	365	327	298	309	319	MAX.
MIN.	98.0	105	158	1,170	2,640	745	142	168	131	170	236	95.0	MIN.
AC. FT.	8953	10161	439727	3092111	1552859	146090	34913	17117	13051	15372	16715	12286	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
7402.8	150000	61.64	01	26	0000	94.0	39.86	09	25	2345	5359356

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 10 05	121 53 28	NE7 15N 1E				JAN 39-DATE	NOV 34-MAY 37 # OCT 37-DATE	1934		0.00	USED

Station located on right bank 0.5 mi. upstream from Farmland Road 1.7 mi. NE of Meridian. Tributary to Sutter Bypass. Flow affected by gate operation. Flow during summer months is made up almost entirely of return water from lands irrigated by Feather River diversions. During flood periods, Sacramento River water enters Butte Basin above Butte City from bank spill and spill over Moulton and Colusa Weirs. Estimated flows during periods of no record, see page 199.

- Flood sesson only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A05929	WADSWORTH CANAL NEAR SUTTER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	138	96	33	86	325	299	77	129	78	131	79	113	1
2	123	73	18	66	315	220	114	109	71	121	71	140	2
3	110	40	16	47	271	142	145	108	66	116	72	165	3
4	113	38	14	50	139	176	153	110	59	119	71	172	4
5	114	52	8.2	41	147	215	120	98	81	126	87	156	5
6	114	53	5.7	40	67	152	117	143	69	105	86	163	6
7	117	50	5.4	37	86	136	124	189	69	99	108	175	7
8	121	45	6.5	36	123	168	134	195	101	90	126	178	8
9	109	44	8.4	188	114	141	180	224	142	101	171	204	9
10	109	45	15	318	118	191	137	211	161	116	142	194	10
11	120	46	18	238	100	144	102	202	156	105	112	166	11
12	98	40	15	243	128	126	72	193	138	115	107	198	12
13	108	37	21	250	201	116	68	187 *	126	111	84 *	246	13
14	135	38	17	838	282	109	76	190	97	93	136	239	14
15	155	91	19	698	166	102	77	167	108	75 *	141	204	15
16	161	90	18	895	165 *	82	119	154	91 *	82	130	193 *	16
17	165	21	20	656	174	84	110	135	92	98	116	175	17
18	165	23	20	496	228	81	92	157	111	89	92	141	18
19	154	21	43	462	121	77	135	161	121	105	89	140	19
20	158	19 *	146	504 *	119	74	147	191	83	104	118	144	20
21	155	16	182	994	108	70	131	190	76	115	116	167	21
22	148	15	170 *	799	120	69	126	149	73	100	106	175	22
23	135	14	219	641	92	60	142	141	71	99	114	175	23
24	121	16	456	723	87	61	128 *	139	48	87	128	157	24
25	119	15	293	531 *	84	60	108	121	71	99	106	147	25
26	119	14	219	412	81	52 *	151	93	89	100	115	124	26
27	123 *	14	183	486	82	54	186	105	79	94	129	132	27
28	123	14	160	457	79	65	236	99	102	86	136	139	28
29	116	14	145	400		81	186	83	175	92	132	140	29
30	112	14	127	329		109	146	91	139	88	165	128	30
31	108		130	354		89		88		82	144		31
MEAN	128	36.9	88.7	397	147	116	128	147	98.1	101	114	166	MEAN
MAX.	165	96	456	994	325	299	236	224	175	131	171	246	MAX.
MIN.	98	14	5.4	36	67	52	68	83	48	75	71	113	MIN.
AC. FT.	7866	2198	5457	24430	8176	7150	7615	9029	5837	6234	7000	9898	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
139	NR					NR					100,900

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 09 12	121 44 00	NE15 15N 2E		51.19	12/25/64	MAR 61-DATE	MAR 61-DATE	1961		0.00	USED

Station located at South Butte Road Bridge, 0.9 mi. E of Sutter. Tributary to Sutter Bypass. This station and one 2.2 mi. downstream are used to determine the slope for rating of canal. This flow and flow of Butte Slough to Sutter Bypass make up entire Feather River contribution to the Sutter Bypass. Records for January 1939 to March 1961 previously published as Wadsworth Canal at Butte House Road.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A05921	STATE PUMPING PLANT 2 DRAINAGE TO SUTTER BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	34	32	23	69	210	67	26	112	107	133	140	202	1
2	21	35	23	54	173	67	49	102	78	102	138	199	2
3	24	36	24	43	173	28	33	86	64	100	166	203	3
4	23	30	26	0.0	73	60	33	104	61	115	155	211	4
5	26	26	24	52	148	64	35	130	53	128	150	204	5
6	30	28	26	25	128	45	49	146	51	136	164	195	6
7	21	26	28	0.0	87	38	52	152	68	131	161	190	7
8	16	28	26	41	83	68	49	155	110	121	163	195	8
9	19	26	28	40	92	55	43	166	149	113	182	187	9
10	19	28	52	112	87	60	40	182	163	123	184	175	10
11	21	28	43	72	75	59	33	184	174	130	187	192	11
12	19	28	34	127	83	53	41	176	166	131	182	203	12
13	18	24	43	119	83	44	56	183	163	124	183	174	13
14	16	26	52	234	145	30	53	178	139	123	179	155	14
15	14	24	0.0	263	97	32	64	148	129	122	179	132	15
16	18	23	0.0	334	81	27	64	155	122	112	184	118	16
17	14	19	9.4	357	81	35	70	169	122	114	185	106	17
18	9.0	24	62	295	68	34	69	183	107	125	190	102	18
19	11	24	6.0	263	72	31	64	189	120	133	183	90	19
20	16	24	0.0	322	52	34	62	198	115	145	176	113	20
21	21	23	0.0	361	50	0.0	62	181	105	148	174	109	21
22	19	21	70	492	52	30	56	172	113	145	185	75	22
23	13	24	52	623	48	36	46	165	113	159	217	91	23
24	4.8	23	208	661	43	34	67	146	111	163	219	94	24
25	13	21	189	599	35	24	75	139	98	157	191	86	25
26	14	23	122	539	19	76	86	138	86	162	184	75	26
27	14	26	88	465	20	68	71	124	85	165	181	71	27
28	9.0	26	60	361	20	49	86	110	94	158	185	69	28
29	14	26	106	361		46	82	117	123	145	189	63	29
30	28	24	73	287		34	59	118	134	132	190	58	30
31	32		72	232		0.0		117		134	199		31
MEAN	18.4	25.9	50.6	252	84.9	42.8	55.8	149	111	133	179	138	MEAN
MAX.	34	36	208	661	210	76	86	198	174	165	219	211	MAX.
MIN.	4.8	19	0.0	0.0	20	0.0	26	86	51	100	138	58	MIN.
AC. FT.	1132	1539	3113	15480	4717	2634	3322	9174	6591	8189	11000	8206	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
104	NR					NR					75100

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 01 34	121 43 32	SW26 14N 2E				MAY 67-DATE					

Plant located on east levee at west end of O'Banion Road, 9.8 mi. SW of Yuba City. This is drainage returned by pumping and gravity.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A05922	RECLAMATION DISTRICT 1660 DRAINAGE TO SUTTER BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	4.5						0.0	16	9.6	0.0	6.0	1
2	0.0	4.5						0.0	17	6.8	0.0	6.0	2
3	0.0	4.5						0.0	20	11	0.0	0.0	3
4	0.0	4.1						0.0	20	6.5	0.0	0.0	4
5	0.0	4.1						0.0	12	6.9	0.0	0.0	5
6	0.0	4.5						0.0	13	3.9	0.0	0.0	6
7	0.0	2.8						0.0	18	4.0	0.0	0.0	7
8	0.0	4.1						16	17	1.7	0.0	0.0	8
9	12	1.7						13	23	2.9	0.0	0.0	9
10	1.7	6.7						13	35	2.9	0.0	6.2	10
11	4.5	7.4	N	N	N	N	N	13	47	2.9	0.0	2.8	11
12	4.1	5.2	O	O	O	O	O	25	91	4.1	0.0	3.3	12
13	4.5	0.0						24	18	4.0	0.0	3.5	13
14	5.2	0.9						26	16	4.0	0.0	9.9	14
15	5.2	0.0						27	16	3.9	0.0	8.0	15
16	7.1	0.0	F	F	F	F	F	13	16	2.6	0.0	20	16
17	6.0	0.0	L	L	L	L	L	14	9.7	2.8	0.0	20	17
18	6.3	0.0	O	O	O	O	O	16	18	5.7	0.0	15	18
19	6.3	0.0	W	W	W	W	W	16	19	5.4	0.0	11	19
20	5.6	0.0						35	10	5.3	0.0	6.0	20
21	5.2	0.0						12	11	5.1	0.0	8.4	21
22	4.5	0.0						17	3.7	2.6	0.0	1.6	22
23	5.6	0.0						22	4.3	0.0	0.0	0.0	23
24	4.1	0.0						28	4.1	0.0	21	2.0	24
25	4.1	0.0						36	15	0.0	22	9.0	25
26	4.5	0.0						30	10	0.0	20	16	26
27	4.5	0.0						26	15	0.0	12	3.3	27
28	5.2	0.0						21	15	0.0	7.8	13 *	28
29	5.2	0.0						22	8.5	0.0	8.0	12	29
30	5.2	0.0						23	10	0.0	11	11	30
31	4.5							28		0.0	7.6		31
MEAN	3.9	1.8						16.6	18.3	3.4	3.5	6.5	MEAN
MAX.	12	7.4						36	91	11	22	20	MAX.
MIN.	0.0	0.0						0.0	3.7	0.0	0.0	0.0	MIN.
AC. FT.	240	109						1023	1088	207	217	385	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
4.5	NR					NR					3269

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 01 57	121 44 33	NW27 14N 2E				MAY 54-DATE				0.00	USED

Plant located 9.9 mi. SW of Yuba City, 8.5 mi. E of Grimes. This is drainage returned by gravity.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A02963	RECLAMATION DISTRICT 1660 DRAINAGE TO TISDALE BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	26	0.0	19	58	151	69	33	6.7	14	21	39	11	1
2	27	0.0	19	53	164	81	28	0.0	11	11	27	8.1	2
3	26	0.0	18	47	164	68	17	0.0	32	18	26	10	3
4	25	0.0	18	20	164	72	37	6.9	25	6.4	22	9.9	4
5	25	0.0	18	41	137	75	36	3.5	26	11	22	7.8	5
6	24	0.0	18	31	141	68	38	15	41	11	23	7.9	6
7	24	0.0	17	32	129	66	27	55	40	11	29	40	7
8	24	0.0	19	32	132	68	28	61	30	6.7	33	37	8
9	24	0.0	19	60	106	69	17	54	40	9.8	20	41	9
10	0.0	0.0	18	83	104	72	26	55	39	9.8	22	55	10
11	0.0	0.0	18	78	90	65	22	58	0.0	7.0	21	52	11
12	0.0	40	18	78	90	60	23	55	0.0	11	15	52	12
13	0.0	26	19	94	127	60	33	54	52	15	35	54	13
14	0.0	23	0.0	126	138	49	38	54	43	8.8	34	54	14
15	0.0	19	20	138	108	49	35	56	43	11	23	49	15
16	0.0	19	12	175	108	32	27	28	43	6.8	22	47	16
17	0.0	20	12	164	111	42	36	32	50	18	22	45 *	17
18	0.0	19	12	160	92	32	39	31	40	16	23	47	18
19	0.0	19	16	156	92	37	30	32	51	11	23	40	19
20	0.0	19	34	164	92	32	28	44	39	16	23	33	20
21	0.0	19	39	219	66	34	28	42	55	16	26	30	21
22	0.0	19	32	241	66	31	10	50	43	16	26	33	22
23	0.0	18	63	233	59	23	29	57	22	11	34	33	23
24	0.0	19	76	233	60	19	33	55	22	4.9	44	4.8	24
25	0.0	19	76	216	57	11	35	42	22	11	26	0.0	25
26	0.0	22	77	204	49	18	35	43	11	4.7	15	0.0	26
27	0.0	21	76	204	49	29	20	34	18	4.8	21	0.0	27
28	0.0	19	76	191	49	31	18	31	11	23	10	0.0	28
29	0.0	19	75	185		30	11	31	18	27	26	0.0	29
30	0.0	19	60	185		30	11	27	17	23	18	0.0	30
31	0.0		59	185		27		28		23	10		31
MEAN	7.3	13.3	34.0	132	103	46.7	27.6	36.8	29.9	12.9	24.5	26.7	MEAN
MAX.	27	40	77	241	164	81	39	61	55	27	44	55	MAX.
MIN.	0.0	0.0	0.0	20	49	11	10	0.0	0.0	4.7	10	0.0	MIN.
AC. FT.	446	789	2089	8104	5742	2874	1642	2263	1781	795	1507	1590	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
40.9	NR					NR					29620

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 01 44	121 46 53	SE30 14N 2E				JAN 25-DATE					

Plant located on north levee of Tisdale Bypass, 2.1 mi. E of Tisdale Weir, 6.8 mi. SE of Grimes. This drainage returned by pumping and gravity.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A02926	RECLAMATION DISTRICT 1500 DRAINAGE TO SACRAMENTO SLOUGH

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	56	40	0.0	236	447	446	196	284	298	244	214	315	1
2	44	0.0	38	195	411	230	180	284	304	264	212	318	2
3	48	44	0.0	150	408	235	196	297	188	259	223	316	3
4	36	0.0	34	159	393	243	131	318	197	249	229	320	4
5	36	48	0.0	146	364	299	131	297	199	241	223	316	5
6	40	0.0	32	124	349	243	131	309	221	234	236	279	6
7	36	48	0.0	149	335	122	131	351	206	206	261	287	7
8	32	0.0	36	172	336	444	148	359	221	173	321	426	8
9	28	48	16	249	330	243	74	359	329	175	329	444	9
10	28	0.0	0.0	190	341	243	198	400	439	178	260	402	10
11	36	42	32	450	330	243	198	429	562	181	296	553	11
12	36	20	24	245	296	243	198	418	230	175	288	528	12
13	32	0.0	24	385	435	243	123	426	378	190	271	492	13
14	28	40	64	750	420	244	214	467	402	195	272	398	14
15	32	0.0	0.0	696	356	230	37	450	383	188	293	355	15
16	53	36	57	805	300	204	30	361	340	190	288	336	16
17	32	0.0	0.0	659	330	174	123	433	322	180	259	330	17
18	32	36	20	521	330	147	157	349	316	154	280	279	18
19	30	0.0	112	475	300	149	173	362	325	190	271	239	19
20	28	66	170	557	286	145	176	363	309	195	312	241	20
21	24	0.0	179	745	181	95	137	124	247	213	317	96	21
22	24	0.0	140	1037	393	127	147	434	232	185	296	133	22
23	24	0.0	174	658	237	124	168	439	218	181	329	122	23
24	24	36	180	910	243	112	142	430	198	187	308	127	24
25	24	0.0	449	657	239	0.0	152	406	173	186	346	109	25
26	24	36	221	500	228	109	148	380	169	198	337	97	26
27	24	0.0	220	549	222	81	146	379	315	202	329	97	27
28	24	36	209	554	62	90	219	230	298	197	346	96	28
29	24	0.0	198	524		82	324	252	267	197	296	36	29
30	24	36	182	505		196	288	95	220	200	379	73	30
31	24		118	477		196		175		206	337		31
MEAN	31.8	20.4	94.5	465	318	193	160	344	284	200	289	272	MEAN
MAX.	56	66	449	1037	447	446	324	467	562	264	379	553	MAX.
MIN.	24	0.0	0.0	124	62	0.0	30	95	169	154	212	36	MIN.
AC. FT.	1958	1214	5810	28620	17660	11860	9552	21140	16870	12320	17770	16190	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
222	NR					NR					161000

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 47 05	121 39 18	NE20 11N 3E				APR 30-OCT 38 8 JAN 39-DATE					

Plant located on west levee of Sutter Bypass, 3.7 mi. SE of Knights Landing. This is drainage returned by pumping and gravity.

8 - Irrigation season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A02925	SACRAMENTO SLOUGH AT SACRAMENTO RIVER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	466	294	263	F	F	F	851	726	673	749	551	937	1
2	423	289	284	F	F	F	889	692	610	757	490	877	2
3	408	288	289	F	F	F	709	678	516	669	550	945	3
4	304	253	313	F	F	F	648	704	518	684	579	995	4
5	291	280	290	F	F	F	565	806	462	696	569	1000	5
6	266	291	307	F	F	F	488	767	489	699	574	963	6
7	208	389	267	5700	F	F	484	766	459	576	521	912	7
8	242	427	300	4540	F	F	545	884	513	520	530	1040	8
9	256	526	313	3350	F	F	593	917	707	514	585	1190	9
10	265	486	321	1990	F	F	567	1040	847	538	725	1050	10
11	232	515	356	F	F	F	604	994	901	528	765	1160	11
12	253	448	400	F	F	F	571	1100	914	563	718	1260	12
13	115	311 *	195	F	F	F	539	1170	995	606	679	1410	13
14	232	360	357	F	F	F	539	1180	891	610	676 *	1170	14
15	171	228	1630	F	F	F	503	1200 *	775 *	594	726	1130	15
16	161	258	2230 *	F	F	F	557	1040	722	555 *	743	1050	16
17	179	271	2200	F	F	F	604	1020	731	501	729	914 *	17
18	226	297	1840	F	F	F	559	970	758	517	760	917	18
19	475	318	1520	F	F	3650	529	886	806	573	708	828	19
20	457	325	978	F	F	3040	510 *	958	760	614	679	847	20
21	452	301	479	F	F	3050	558	914	702	632	693	752	21
22	427	297	F	F	F	2220	566	939	689	627	746	793	22
23	424	294	F	F	F	1780	522	988	661	636	873	684	23
24	419 *	318	F	F	F	1560	479	958	608	632	852	608	24
25	418	294	F	F	F	1410	534	930	547	589	830	516	25
26	416	313	F	F	F	1260 *	567	881	562	547	865	435	26
27	323	289	F	F	F	1300	673	754	632	563	868	427	27
28	305	306	F	F	F	1090	755	648	577	635	862	433	28
29	302	284	F	F		1030	734	716	652	591	902	339	29
30	276	323	F	F		889	826	719	732	544	946	403	30
31	294		F	F		694		706		601	979		31
MEAN	312	329	NR	NR	NR	NR	602	892	680	602	718	866	MEAN
MAX.	475	526	NR	NR	NR	NR	889	1200	995	757	979	1410	MAX.
MIN.	115	228	NR	NR	NR	NR	479	648	459	501	490	339	MIN.
AC. FT.	19210	19580	NR	NR	NR	NR	35840	54840	40480	37010	44180	51540	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 46 52	121 38 27	SE21 11N 3E				JUN 24-OCT 39 8 JAN 40-DATE	APR 45-DEC 46 8 APR 47-DATE				

Station located 0.5 mi. above mouth, 4.6 mi. SE of Knights Landing. During low flows this represents combined flows of Sutter Bypass and Reclamation District 1500. During high flows (above gage ht. 26.0 ±) the slough is entirely submerged as it lies within the bypass area. Sharp rises in the Sacramento River cause zero or negative flow.

A - An undertermined amount of negative flow.
F - Flooded.
8 - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A55420	FEATHER RIVER, MIDDLE FORK, NEAR PORTOLA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	8.8	43	41	130	1,090	404	259	219	90	121	7.0	13	1
2	9.5	43	42	99	922	431	242	194	82	96	8.8	13	2
3	39	43	45	103	798	483	237	174	71	78	16	11	3
4	238	36 *	46	78	719	458	224	150	68	77	9.1	11	4
5	236	39	46	65	653	440	208	131 *	71	66	8.1	11	5
6	158 *	68	46	60	595	428	198	115	71	60	7.5	11	6
7	16	54	44	59	542	424	130	110	65	55	7.2	11	7
8	16	59	49	63	493	457	163	109	65	51	7.6	10	8
9	17	60	53	95	457	478	188	116	68	46	7.6	9.9	9
10	17	59	55	183	436	466	186	128	79	39	7.8	7.9	10
11	18	54	58	290	418	414	194	135	95	32	7.9	7.8	11
12	19	50	62	534	419	382	198	148	109	28	7.9	8.4	12
13	19	49	64	510	457	447	191	134	118	25	7.9	11	13
14	20	52	61	587	556	548	193	113	123	24	8.0	10	14
15	24	48	59	1,070	598	533	183	119	124	21	8.3	8.9	15
16	31	49	54	2,390	559	525	157	140	119	20	8.6	10 *	16
17	38	54	50	3,180	597	503	180	132	110	19	9.7	5.6	17
18	44	54	54	3,460	1,020	456	178	113	103	19	11	5.3	18
19	50	53	61	2,070	1,060	393	160	105	91	17	11 *	6.2	19
20	52	52	74	1,360	759	446	156	100	86	16	11	6.9	20
21	47	54	127	1,250	589	448	152	98	78	17 *	15	7.7	21
22	42	56	202	2,250 *	541	453	155	102	76	15	15	7.9	22
23	38	56	310	3,670 *	529	406	152	105	72	13	21	8.2	23
24	36	54	602	3,550	484	441	148	93	57 *	12	25	8.3	24
25	36	52	785	4,580	446	430	144	82	63	11	21	13	25
26	36	52	1,030	2,870 *	413	421	138	75	79	9.7	18	9.3	26
27	35	52	728	2,300	384	376	148	61	88	8.2*	16	11	27
28	35	49	398	3,020	377	298	164	72	102	7.5	16	12	28
29	36	45	305	2,080		271	211	97	112	7.3	19	12	29
30	43	41	205	1,790		256	228	106	116	6.6	19	13	30
31	43		153	1,260		255		99		7.2	14		31
MEAN	48.3	51.0	190	1,451	604	424	182	118	88.4	33.0	12.2	9.7	MEAN
MAX.	238	68.0	1,030	4,580	1,090	548	259	219	124	121	25.0	13.0	MAX.
MIN.	8.8	36.0	41.0	59.0	377	255	130	61.0	57.0	6.6	7.0	5.3	MIN.
AC. FT.	2970	3035	11720	89268	33542	26124	10840	7289	5258	2032	748	578	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
267.1	4970	8.81	01	25	0800	4.7	1.79	09	12	0300	193404

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 49 13	120 26 25	NE 29 23N 14E	9,300	10.34	3-18-1967	NOV 1955-DATE	NOV 1955-DATE	1955 1965	1965	0.00 1.00	LOCAL LOCAL

Station located south of State Highway 70, 1.8 mile northeast of Portola. Stage-discharge relationship at times affected by ice.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A54455	RED CLOVER CREEK ABOVE ABBEY BRIDGE DAMSITE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.2	3.2	3.1	12	180	165	67	40	12	6.5	0.0	0.7	1
2	2.2	3.2	3.1	11	150	131	65 *	39	12	4.9*	0.0	0.8	2
3	2.3	3.2	3.1	11	145	118	61	39	11	3.8	0.0	4.8	3
4	2.4	4.1	3.0	10	143	117	58	41	9.7	3.2	0.0	6.7	4
5	2.5	4.8	3.0	9.8	131	112	57	43 *	13	2.9	0.1	7.9	5
6	2.5	5.5	3.6	9.2	119 *	121	57	46	13	2.4	0.1	9.1	6
7	2.5	4.4	3.3	9.5	113	142	54	48	11	1.8	0.1	11	7
8	2.8	3.9	3.8	11	114	188	52	35	11	1.5	0.1	8.9	8
9	2.8	3.5	3.9	110	115	147 *	56	37	11	1.4	0.2	9.0	9
10	2.7	3.5	3.9	231	113	129	58	52	14	0.9	0.2	8.6	10
11	2.6	3.5	4.2	67	114	115	64	50	13	0.8	0.2	7.4	11
12	2.5	3.5	5.3	65	152	123	59	52	12	0.7	0.2	6.5	12
13	2.7	3.5	5.6	115	144	141	58	57	14	0.5	0.2	5.7	13
14	2.8	3.5	4.0	252	144	151	59	43	13	0.4	0.5	5.5	14
15	3.8	3.7	3.8	186	134	146	55	35	12	0.3	0.7	4.8	15
16	6.2	4.0	3.7	1,230	123	138	54	32	11	0.2	0.7	9.8	16
17	8.0	3.2	3.5	879	114	134	63	30	11	0.1	0.9	5.8	17
18	4.8	2.8	4.5	353	129	117	57	32	9.4	0.2	0.9	3.5	18
19	3.6	3.1	9.1	283	113	111	54	33	7.9	0.1	0.8	3.0	19
20	3.2	3.2	15	367	105	106	50	31	6.6	0.1	0.6	3.0	20
21	3.2	3.4	51	688	101	102	48	29	6.0	0.0	0.5	2.7	21
22	3.0	3.2	23	1,310	100	99	44	27	5.5	0.0	0.5	2.7	22
23	3.0	3.0	19	951	101	97	42	25	4.9	0.0	0.7	4.5	23
24	2.9	3.2	47	1,500	104	98	40	23	4.1	0.0	0.6	1.8	24
25	2.9	3.3	79	718	109	98	38	21	3.3	0.0	0.4	1.3	25
26	3.0	3.2	39	488 *	127	94	44	19	3.8	0.0	0.5	0.9	26
27	3.2	3.1	22	919	142	86	53	17	8.7	0.0	0.4	0.6	27
28	3.2	2.8	21	415	157	85	51	17	10	0.0	0.5	1.0	28
29	3.0	3.0	16	306		80	52	16	12	0.0	1.1	1.3	29
30	3.1	3.0	14	259		78	48	15	8.9	0.0	1.2	1.6	30
31	3.2		13	202		77		14		0.0	0.9		31
MEAN	3.2	3.5	14.1	386	126	117	53.9	33.5	9.8	1.1	0.4	4.7	MEAN
MAX.	8.0	5.5	79.0	1,500	180	188	67.0	57.0	14.0	6.5	1.2	11.0	MAX.
MIN.	2.2	2.8	3.0	9.2	100	77.0	38.0	14.0	3.3	0.0	0.0	0.6	MIN.
AC. FT.	196	207	866	23757	7014	7232	3209	2059	585	65	27	279	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
62.8	2280	11.79	01	24	0245	0.0	2.48	07	21	1715	45496

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 58 05	120 31 09	SE 4 24N 13E	3,460 E	11.36	12-22-1964	DEC 1962-DATE	DEC 1962-DATE	1962		0.00	LOCAL

Station located above bridge on Forest Service road, 13 miles east of Genesee, 11 miles north of Portola. Stage-discharge relationship at times affected by ice. Drainage area is 87.9 square miles.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A54750	LAST CHANCE CREEK AT DIXIE REFUGE DAMSITE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.5	1.3	1.0	16	63	44	29	19	5.1	2.9	0.0	0.0	1
2	0.4	1.3	0.9	17	56	43	29	18	4.6	0.0	0.0	0.0	2
3	0.4	1.4	0.9	16	63	38	26	19	4.2	0.0	0.0	0.0	3
4	0.5	1.5	0.8	15	61	36	25	22	3.9*	0.0	0.0	0.1	4
5	0.5	2.0	0.8	15	54	38	26	24 *	4.0	0.0	0.0	0.2	5
6	0.6	2.4	0.8	11	55 *	40	27	27	4.6	0.0	0.0	0.0	6
7	0.6	2.2	0.9	7.2	54	44	28	30	3.8	0.0	0.0	0.0	7
8	0.7	2.1	1.0	8.3	50	52	28	28	3.5	0.0	0.0	0.0	8
9	0.7	1.8	1.0	26	48	41 *	28	29	3.7	0.0	0.0	0.0	9
10	0.7	1.8	1.1	76	46	36	30	37	5.0	0.0	0.0	0.0	10
11	0.7	1.8	1.3	51	46	32	34	33	4.5	0.0	0.0	0.0	11
12	0.7	1.8	1.6	43	57	33	31	34	4.8	0.0	0.0	0.0	12
13	0.7	1.8	2.0	41	47	36	30	33	8.9	0.0	0.0	0.0	13
14	0.7	1.8	1.5	210	51	40	33	26	5.6	0.0	0.0	0.0	14
15	1.1	1.8	1.4	146	48	40	32	23	4.5	0.0	0.0	0.0	15
16	2.1	1.9	1.4	567	42	40	29	21	4.5	0.0	0.0	0.0	16
17	2.3	1.5	1.3	401	38	40	27	20	4.4	0.0	0.0	0.0	17
18	1.6	1.0	1.5	147	46	35	23	20	3.5	0.0	0.0	0.0	18
19	1.2	1.0	3.4	124	45	35	26	19	2.8	0.0	0.0	0.0	19
20	1.0	1.0	6.6	124	46	35	25	19	2.5	0.0	0.0	0.0	20
21	1.0	1.0	28	260	45	35	23	17	2.2	0.0	0.0	0.0	21
22	1.0	1.0	13	450 *	39	35	20	16	2.2	0.0	0.0	0.1	22
23	1.0	1.0	8.2	378	38	35	21	14	2.1	0.0	0.0	0.1	23
24	0.9	1.0	13	451	39	36	19	12	1.8	0.0	0.0	0.1	24
25	0.8	1.0	21	230	43	36	17	11	1.8	0.0	0.0	0.1	25
26	0.9	1.1	19	185	48	37	21	9.7	2.2	0.0	0.0	0.1	26
27	1.0	1.0	13	354	48	34	25	8.7	5.9	0.0	0.0	0.1	27
28	1.0	1.0	18	146	48	35	25	8.1	5.5	0.0	0.0	0.1	28
29	1.2	0.9	21	115		32	25	7.4	5.3	0.0	0.0	0.1	29
30	1.2	0.9	17	92		34	22	6.4	4.2	0.0	0.0	0.1	30
31	1.3		16	74		34		5.5		0.0	0.0		31
MEAN	0.9	1.4	7.0	154	48.7	37.5	26.1	19.9	4.1	0.1	0.0	0.0	MEAN
MAX.	2.3	2.4	28.0	567	63.0	52.0	34.0	37.0	8.9	2.9	0.0	0.2	MAX.
MIN.	0.4	0.9	0.8	7.2	38.0	32.0	17.0	5.5	1.8	0.0	0.0	0.0	MIN.
AC. FT.	58	85	433	9514	2705	2303	1555	1223	241	6		2	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
25.0	1320	3.54	01	23	2345	0.0	1.00	10	01	1830	18126

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 05 21	120 22 23	SW 23 26N 14E				OCT 1964-DATE	JULY 1963-DATE	1963		0.00	LOCAL

Station located 0.8 mile above bridge on Forest Service road, 5.7 miles south of Milford. Tributary to Indian Creek via Red Clover Creek. Stage-discharge relationship at times affected by ice.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A54370	INDIAN CREEK NEAR TAYLORSVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	44	65	52	180	1,080	839	544	424	395	135	50	41	1
2	44	65	53	155	904	708	539	420	379	125	49	41	2
3	46 *	65	53	142	879	680	520	454	371	117	48	41	3
4	48	65	54	145	874 *	660	508	514	354	110	49	42	4
5	49	91	54	131	808	617	511	572	337	104	48	44	5
6	49	96	57	129	754	621	530 *	610	327	97	48	48	6
7	50	90	59	136	729	691	542	624	302	93	47	49	7
8	54	85	59	131	718	839	530	617	280	91	46	44 *	8
9	56	80	61	212	714	831	538	614	274	92	47	41	9
10	53	77	64	770	690	742	567	735	287	92	46	37 *	10
11	51	75	71	555	685	672	615	731	267	90	46	36	11
12	52	74	91	470	772	637	588	675	242	87	45	37	12
13	56	73	97	658	871	713	571	685	247	84	44	39	13
14	57	73	88	1,670	807	819	566	644	252	80	44	41	14
15	68	73	81	1,340	790	882	537	621	230	76	43	41	15
16	109	74	79	3,340	807	839	510	650	213	73	42	35	16
17	126	72	77	4,270	801	841	494	710	196	70	41	33	17
18	101	69	79	2,500	806	753	477	733	181	68	40	34	18
19	87	69	135	1,850	724	712	471	716 *	165	65	40	35	19
20	80	68	251	2,140	666	686	465	679	156	64	39	37	20
21	76	69 *	600	3,460	645	672	438	645	151	63	38	38	21
22	73	68	512	7,790	642	662	407	624	149	61	38	37	22
23	71	67	358	4,800 *	624	666	385	617	136 *	60	38	37	23
24	70	67	535	9,810	632	683	374	596	128	59	38	39	24
25	69	66	671	3,760	613	703	366	584	124	58	38	40	25
26	67	64	548	2,660	651	694	396	590	126	57	37	41	26
27	66	61	392	3,770	685	654	450	583	138	56	37	42	27
28	67	57	277	2,350	732	635	442	533	147	55	37	42	28
29	67	54	245	1,720		624	440	499	155	53	38	44	29
30	67	53	220	1,510		605	455	465	149	52	40	45	30
31	65		189	1,190		592		432		51 *	40		31
MEAN	65.7	70.8	198	2,056	753	708	492	599	228	78.6	42.6	40.0	MEAN
MAX.	126	96.0	671	9,810	1,080	882	615	735	395	135	50.0	49.0	MAX.
MIN.	44.0	53.0	52.0	129	613	592	366	420	124	51.0	37.0	33.0	MIN.
AC. FT.	4042	4215	12222	126434	41857	43581	29308	36885	13603	4836	2620	2382	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
444.8	14200	15.07	01	24	0630	33.0	4.16	09	16	2030	321985

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD				DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 02 54	120 48 55	NW 12 25N 10E	30,200 E	10.65	2-1-1963	APR 45-AUG 54 ⊕ AUG 54-DATE	APR 45-AUG 54 ⊕ AUG 54-DATE	1954 1963	1963	0.00 0.00	LOCAL LOCAL

Station located 0.5 mile above Montgomery Creek, 2.3 miles southeast of Taylorsville. Maximum discharge listed is at site and datum then in use. Drainage area is 526 square miles.

⊕ - Maintained by watermaster service for irrigation season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A52250	FEATHER RIVER, WEST BRANCH, NEAR PARADISE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.2	1.7	1.4	291	975	2,200	218	106	90	7.7	1.0	1.1	1
2	1.1	1.7	1.4	248	865	1,100	211	118	76 *	5.8	1.1	1.0	2
3	1.1	2.1	1.4	214	775	865 *	205	132	86	3.7	1.1 *	1.1	3
4	1.1	30 *	1.4 *	200	744	788	198	148	92	2.7	1.1	1.1	4
5	1.1	292	1.3	172	666	670	198	160	78	2.1	1.1	1.1	5
6	1.1	108	1.3	161 *	618	598	198	152	80	1.9	1.1	1.1	6
7	1.1	98	1.3	153	570	582	182	125	70	1.9	1.1	1.3	7
8	1.6	48	1.7	207	538	820	170	132	55	1.9	1.1	1.3	8
9	1.7	22	1.9	1,520	549	650	172	144	67	1.9	1.1	1.3	9
10	1.5	11	27	1,840	528	590	172	172	99	1.8	1.1	1.3	10
11	1.4	7.3	234	985	504	518	193	184	66	1.8	1.1	1.3	11
12	1.2	8.7	1,660	1,350	706	479	167	166	45	1.6	1.1	1.1	12
13	1.2	7.3	1,170	4,980	814	465	166	146	39	1.6	1.1	1.0	13
14	1.3	5.2	414	8,570 *	670	493	166	140	43	1.6	1.1	1.1	14
15	7.3	3.5	282	3,330 *	618	479	154	156	42	1.6	1.1	1.3	15
16	117	3.3	151	6,130	793	441	147	180	32	1.5 *	1.1	1.3	16
17	39	3.3	98	5,310	982	435	145	259	34	1.6	1.1	1.3	17
18	12	1.9	75	2,810	722	390	147	268	21	1.4	1.1	1.3	18
19	3.1	1.7	2,630	2,200	638	360	159	228	17	1.4	1.1	1.3	19
20	2.1	1.6	3,080	2,220	570	345	142	188	14	1.4	1.1	1.3	20
21	1.9	1.6	6,800	8,140	524	330	134	162	12	1.4	1.1	1.3	21
22	1.8	1.6	1,530 *	7,080	496	325	127	168	11	1.4	1.3	1.4	22
23	1.8	1.5	1,510	10,800	465	322	119	170	8.8	1.1	1.5	1.4	23
24	1.8	1.5	2,850	9,120	441	308	108	166	7.7 *	1.1	1.5	1.3	24
25	1.8	1.5	1,970	3,890	426	310	109	182	7.4	1.3	1.5	1.3	25
26	1.8	1.5	1,090	2,650	420	298 *	115	186	7.4	1.4	1.3	1.1	26
27	1.8	1.5	784	3,990	414	271	116	178	7.4	1.4	1.3	1.1	27
28	1.8	1.5	598	2,200	757	258	102	158	11	1.3	1.3	1.1	28
29	1.7	1.4	486	1,660 *		252	101 *	138	23	1.3	1.3	1.1 *	29
30	1.7	1.4	402	1,360		242	104	128	10 *	1.3	1.3	1.1	30
31	2.2		332	1,130		228		116		1.0	1.3		31
MEAN	7.04	22.4	909	3,062	635	529	155	163	41.7	1.96	1.18	1.21	MEAN
MAX.	117	292	6,800	10,800	982	2,200	218	268	99	7.7	1.5	1.4	MAX.
MIN.	1.1	1.4	1.3	153	414	228	101	106	7.4	1.0	1.0	1.0	MIN.
AC. FT.	433	1,340	55,910	188,300	35,280	32,550	9,210	10,030	2,480	121	73	72	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
464	21,200	23.40	1	23	2330						335,800

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 47 15	121 33 40	SE 6 22N 4E	26,300	26.2	12-22-1964	OCT. 1957-DATE	OCT. 1957-DATE	1957		0.00	LOCAL

Station located 0.6 mile upstream from Griffin Gulch, and 4.0 miles northeast of Paradise. Drainage area 110 square miles.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A55100	FEATHER RIVER, MIDDLE FORK, NEAR MERRIMAC

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	194	266	258	1,270	4,900	4,160	1,510	1,270	1,120	523	219	176	1
2	190	262	254	1,150	4,290	3,350	1,490	1,300	1,100	514	214	173	2
3	187	262	254	1,040	3,850	2,790	1,450	1,360	1,100	487	211	162	3
4	187	262	254	993	3,530	2,740	1,430	1,470	1,070	448	201	166	4
5	302	442	252	918	3,210	2,550	1,410	1,560	1,030	432	202	170	5
6	430	481	261	859	2,980	2,470	1,420	1,630	1,010	405	197	184	6
7	415	474	258	869	2,780	2,430	1,420	1,510	946	387	196	180	7
8	290	503	275	909	2,600	2,900	1,350	1,470	888	376	194	176	8
9	258	400	289	2,120	2,550	2,770	1,370	1,580	911	369	196	173	9
10	236	358	366	4,950	2,360	2,620	1,440	1,790	964	361	194	166	10
11	226	345	590	2,990	2,280	2,420	1,530	1,540	885	352	189	162	11
12	218	342	1,450	3,400	2,700	2,270	1,460	1,450	832	339	184	159	12
13	215	338	1,570	7,310	2,920	2,250	1,440	1,420	816	324	182	156	13
14	222	330	845	14,200	2,770	2,690	1,390	1,400	845	319	180	156	14
15	322	325	637	9,140	2,750	2,840	1,350	1,450	806	307	180	159	15
16	756	333	548	16,300	2,910	2,680	1,310	1,590	769	299	176	166	16
17	804	326	492	15,900	3,460	2,600	1,280	1,800	741	289	176	166	17
18	470	306	470	11,700	3,150	2,420	1,280	1,880	703	285	176	162	18
19	362	304	3,110	9,170	3,390	2,260	1,320	1,750	676	277	176	162	19
20	330	302	5,640	8,520	2,960	2,110	1,240	1,590	647	275	176	159	20
21	318	298	11,100	16,800	2,580	2,110	1,190	1,480	635	273	176	159	21
22	310	297	4,920	20,600	2,380	2,080	1,160	1,470	609	262	176	162	22
23	298	293	3,460	17,100	2,280	2,080	1,130	1,490	581	262	176	162	23
24	290	289	9,370	20,300	2,200	2,030	1,100	1,470	562	257	180	159	24
25	278	286	7,400	13,500	2,090	2,070	1,100	1,460	529	248	176	156	25
26	278	282	5,220	10,900	2,030	2,030	1,190	1,460	518	243	180	156	26
27	274	278	3,740	11,800	1,980	1,950	1,190	1,440	557	238	180	156	27
28	270	277	2,650	9,380	2,360	1,820	1,150	1,330	559	234	180	162	28
29	266	271	2,010	7,830		1,720	1,140	1,240	586	230	173	159	29
30	262	266	1,660	6,800		1,640	1,210	1,210	558	228	173	162	30
31	258		1,410	5,640		1,570		1,170		222	173		31
MEAN	313	327	2,291	8,205	2,866	2,401	1,315	1,485	785	325	186	164	MEAN
MAX.	804	503	11,100	20,600	4,900	4,160	1,530	1,880	1,120	523	219	184	MAX.
MIN.	187	262	252	859	1,980	1,570	1,100	1,170	518	222	173	156	MIN.
AC. FT.	19,270	19,430	140,900	504,500	159,200	147,600	78,250	91,300	46,720	19,960	11,430	9,770	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
1,724	29,200	17.59	1	24	0200						1,248,000

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 42 30	121 16 10	NE 2 21N 6E	86,200	26.50	12-22-1964	OCT. 1951-DATE	OCT. 1951-DATE	1951		0.00	LOCAL

Station located 400 feet from bridge on Milaap Bar Road, 500 feet downstream from Little North Fork, 4.5 miles southesst of Merrimac, and 20 miles northeast of Oroville. Altitude 1,560 feet. Drainage area 1062 square miles.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A56080	FEATHER RIVER, SOUTH FORK, AT PONDEROSA DAM

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	180	103	142	330	1,020	1,010	42				0.0	108	1
2	177	116	141	325	888	801	0.0				0.0	108	2
3	176	112	141	330	427	645	0.0				0.0	104	3
4	175	114	139	330	487	625	0.0				0.0	108	4
5	177	121	141	330	664	593	0.0				0.0	110	5
6	177	133	141	330	697	612	0.0				0.0	100	6
7	177	136	140	330	658	593	0.0				0.0	104	7
8	170	140	140	335	619	710	0.0				0.0	104	8
9	173	142	141	475	568	645	0.0				0.0	104	9
10	170	138	144	773	520	645	0.0	N	N	N	0.0	104	10
11	168	136	140	580	496	632	0.0	O	O	O	0.0	47	11
12	165	140	158	568	550	586	0.0				0.0	0.0	12
13	488	139	449	980	982	556	0.0				61	0.0	13
14	592	140	403	2,830	1,140	526	0.0				107	0.0	14
15	533	142	394	1,870	925	520	0.0	F	F	F	108	0.0	15
16	378	142	408	3,930	902	501	0.0	L	L	L	99	0.0	16
17	176	140	363	4,080	1,230	484	0.0				97	0.0	17
18	168	143	305	3,680	858	478	0.0	O	O	O	100	0.0	18
19	164	141	460	2,980	652	466	0.0				103	0.0	19
20	162	143	586	2,900	544	466	0.0	F	W	W	106	0.0	20
21	162	142	1,020	5,640	526	454	0.0				108	0.0	21
22	167	136	580	8,380	508	427	0.0				107	0.0	22
23	176	139	613	6,100	484	466	0.0				104	0.0	23
24	173	140	1,310	7,790	449	484	0.0				105	0.0	24
25	165	143	697	4,740	416	454	0.0				107	0.0	25
26	158	141	520	3,080	466	332	0.0				108	0.0	26
27	154	138	388	3,560	428	25	0.0				106	0.0	27
28	158	141	350	2,500	526	27	0.0				108	44	28
29	158	140	340	1,880		28	0.0				109	60	29
30	155	142	320	1,480		89	0.0				106	0.0	30
31	120		330	1,190		126					104		31
MEAN	209	135	372	2,407	665	484	1.4				63	40.2	MEAN
MAX.	592	143	1,310	8,380	1,230	1,010	42				109	110	MAX.
MIN.	120	103	139	325	416	25	0.0				0.0	0.0	MIN.
AC. FT.	12,880	8,060	22,900	148,000	36,950	29,760	83				3,870	2,390	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
366											264,900

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 32 54	121 18 11	SE 33 20N 6E	11,000	12.70	12-22-1964	JULY 1962-DATE	JULY 1962-DATE	1962 1967	1967	0.00 0.00	LOCAL USCGS

Station located at entrance to Miners Ranch Canal on the left end of Ponderosa Dam, 2,800 feet upstream from Sucker Run, and 2.6 miles northwest of Forbestown. Prior to October 1, 1967, at site 1,800 feet downstream. Drainage area 108 square miles.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A56911	PALERMO CANAL OUTLET AT OROVILLE DAM

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	20	9.9	4.8	4.8	0.0	4.0	8.1	21	22	21	21	21	1
2	20	9.9	4.5	4.8	0.0	4.0	11	21	22	21	21	21	2
3	20	9.9 *	4.6	4.6	0.0	4.0	11	21	22	21	21	21	3
4	20	9.9	4.6	4.6	0.0	4.0	11	21	22	21	21	21	4
5	20	9.9	4.6	4.6	1.7 *	4.0	11	21	22	21	21	21	5
6	20	4.9	4.6	4.6	3.4	4.0	14	21	22	21	21	21	6
7	20	2.2	4.6	4.6	3.4	4.0	16	21	22	21	21	21	7
8	20	2.2	4.6	4.6	3.4	4.1	20	21	22	21	21	21	8
9	20	2.2	4.6	4.6	3.4	4.1	23	21	21	21	21	21	9
10	20	3.6	4.6	4.6	3.4	3.8	23 *	21	22	21	21	21	10
11	20	4.5	4.6	4.6	3.4	3.6	23	21	22	21	21	21	11
12	20	4.5	4.6	4.6	3.7	3.6	23	21	22	21	21	21	12
13	19	4.5	4.6	4.6	3.7	3.6	23	21	22	21	21	21	13
14	18	4.5	4.8	3.1	3.7	3.6	23	21	22	21	21	21	14
15	14	4.5	4.8	0.0	3.7	3.6	23	22	22	21	21	21	15
16	11	4.6	4.8	0.0	3.7	3.7	21	22	22	21	21	21	16
17	11	4.6	4.8	0.0	3.7	3.8	20	22	22	21	21	21	17
18	11	4.6	4.8	0.0	3.7	3.8	20	22	22	21	21	21	18
19	11	4.6	4.8	0.0	3.7	3.8	20	22	22	21	21	21	19
20	11	4.6	4.8	0.0	3.7	3.8	20	22	22	21	21	21	20
21	12	4.6	4.8	0.0	3.9	3.9	20	22 *	22	21	21	21	21
22	10	4.6	4.8	0.0	3.9	3.9	20	22	22	21	21	21	22
23	9.9	4.6	5.0	0.0	3.9	4.0	20	22	22	21	21	21	23
24	9.9	4.6	5.0	0.0	3.9	4.1	20	22	22	21	21	21	24
25	9.9	4.8	4.8	0.0	3.9	4.1	20	22	22	21	21	21	25
26	9.9	4.8	4.8	0.0	4.1	4.1	20	22	22	21	21	21	26
27	9.9	4.8	4.8	0.0	4.1	4.1	22	22	22	21	21	21	27
28	9.9	4.6	4.8	0.0	4.1	4.1	23	21	22	21	21	21	28
29	9.9	4.8	4.8	0.0		4.1	23	22	22	21	21	21	29
30	9.9	4.8	4.8	0.0		4.1	21	22	22	21	21	21	30
31	9.9		4.8	0.0		4.1		22		21	21		31
MEAN	14.7	5.2	4.7	2.0	3.1	3.8	19.2	21.5	22.0	21.0	21.0	21.0	MEAN
MAX.	20	9.9	5.0	4.8	4.0	4.1	23	22	22	21	21	21	MAX.
MIN.	9.9	2.2	4.5	0.0	0.0	3.6	8.1	21	21	21	21	21	MIN.
AC. FT.	907	312	291	126	173	241	1,137	1,323	1,307	1,290	1,291	1,250	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
13.3	23	1.18	4	9	2315	0.0					9,648

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 32 00	121 28 55	SW 1 19N 4E	29 E	1.32	1-20-1964	APR 1963-DATE	APR 1963-DATE	1963		0.00	LOCAL

Station is located at the outlet of the relocation tunnel of Palermo Canal 50 feet southeast of toe of the dam.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A05191	FEATHER RIVER AT OROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	361	342	332	323	1,270	372	324	316	316	323	354	337	1
2	352	323	352	332	342	333	327	310	316	321	353	328	2
3	332	323	352	332	332	327	330	305	318 *	342	335	328	3
4	332	323	342	332	314	338	328	310	322	358	322	321	4
5	332	342	342 *	332	304	334	328	319	320	358	331	318	5
6	332	342	342	332	304	335	331	323	319	361	331	326	6
7	342	342	342	332	304	335	332	322	319	357	331	331	7
8	342	342	342	332	294	338	333	319	320	353	337	328	8
9	342	342	342	342	304	335	316	321	320	474	339	326	9
10	332	342	342	332	304	339	328	318	319	349	337	329	10
11	332	342	332	332	304	337	334	314	316	356	332	333	11
12	342	342	332	342	304	339	333	318	315	355	322	335	12
13	342	342	332	4,380	323	337	327	317	319	357	320	336	13
14	332	342	342	31,300 *	304	333	318	312	318	345	332	338	14
15	332	342	342	42,400	304	336	306	313	319	342	330	337	15
16	332	342	342	49,200	332	325	304	309	322	344	332	335	16
17	323	342	342	48,800	332	328	306	309	323	346	336	336	17
18	304	342	342	48,800	342	327	306	310	323	355	336	336	18
19	314	342	342	45,300 *	332	332	306	314	323	351	338	337	19
20	314	332	342	32,700	323	332	314	315	320	356	336	334	20
21	314	342	352	18,700	323	331	326	316	319	358	334	333	21
22	323	332	332	32,100	332	330	331	316	321	356	329	337	22
23	323	332	342	46,600	323	331	330	312	320	359	334	336	23
24	332	332	1,770	53,000	332	332	331	310	320	356	337	331	24
25	342	332	3,690	53,200	323	327	326	313	316	358	337	331	25
26	342	332	3,080	51,000	323	320	327	315	316	354	338	330	26
27	342	332	2,420	48,200 *	323	317	328	320	314	356	340	332	27
28	352	332	2,420	39,100	332	318	325	319	313	358	341	336	28
29	342	323	1,890	35,000		318	324	317	320	354	338	340	29
30	352	314	1,120	26,200		320	320	309	323	361	338	340	30
31	352		590	7,340		320		313		358	344		31
MEAN	335	336	801	23,110	353	331	323	315	319	356	335	332	MEAN
MAX.	361	342	3,690	53,200	1,270	372	334	323	323	474	354	340	MAX.
MIN.	304	314	332	323	294	317	304	305	313	321	320	318	MIN.
AC. FT.	20,590	19,990	49,240	1,423,000	19,600	20,380	19,230	19,350	18,980	21,880	20,620	19,790	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
2,310	56,100	15.33	1	25	0915						1,672,000

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 31 07	121 32 50	SE 8 19N 4E	230,000		3-19-1907	OCT 1901-DATE	OCT 1901-DATE	1912	1934	139.53	USCGS
								1934	1962	182.02	USCGS
								1962	1964	0.00	USCGS
								1964		148.97	USCGS

Station located 300 feet above Fish Barrier Dam, 0.6 mile northeast of Oroville. Flow partly regulated by reservoirs and powerplants. Flows diverted through the Fish Hatchery are not included. Maximum discharge listed at site then in use (approximately 167.5 feet, USCGS Datum). Drainage area is 3,626 square miles.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A05975	THERMALITO AFTERBAY RELEASE TO FEATHER RIVER NEAR OROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2,540	2,520	2,850	15,400	17,500	9,890	2,400	1,320	1,060	1,350	2,260	3,900	1
2	2,550	2,490	2,920	14,100 *	14,900	13,000	2,410	1,330	1,080	1,330	2,430	3,880	2
3	2,570	2,580	2,920	12,900	10,400	13,000	2,340	1,340	1,270	1,350	2,740	3,890	3
4	2,540	2,610	2,920	11,200	7,700	13,100	2,260	1,340	1,570	1,320	3,180	3,910	4
5	2,540	2,600	2,920	6,860 *	7,780	13,100	2,250	1,370	1,680	1,310	3,260	3,910	5
6	2,570	2,600	2,900	3,300	7,780	13,100	2,210	1,380	1,500	1,330	3,360	3,890	6
7	2,570	2,570	3,180	3,370	7,780	13,100	2,140	1,250	1,400	1,330	3,370	3,870	7
8	2,570	2,540	3,320	3,300 *	7,780	13,100	2,110	1,080	1,420	1,360	3,350	3,860	8
9	2,570	2,520	3,390	3,300	7,810	13,400	2,110	1,120	1,390	1,260	3,350	3,860	9
10	2,570	2,570	3,550	5,930	7,760	14,000	2,110	1,110	1,350	1,350	3,450	3,860	10
11	2,550	2,570	4,260	10,100	7,980	14,000	2,110	1,150	1,340	1,330	3,580	3,870	11
12	2,720	2,570	4,720	11,800	8,320	14,000	2,110	1,240	1,340	1,320	3,630	3,870	12
13	2,490	2,570	5,240	16,000	8,930	12,300	1,990	1,170	1,320	1,340	3,620	3,900	13
14	2,490	2,570	5,410	18,400	10,900	11,400	1,920	1,160	1,320	1,350	3,690	3,900	14
15	2,520	2,540	5,460	17,500	12,200	11,400	1,910 *	1,170	1,340	1,350	3,740	3,790	15
16	2,540	2,930	5,460	17,500	12,600	9,180 *	1,910	1,130	1,340	1,370	3,680	3,910	16
17	2,520	2,980	5,480	18,900 *	13,300	8,020	1,810	1,100	1,340	1,350	3,720	3,980	17
18	2,460	2,980	5,430	18,000	13,200	7,970	1,590	1,200	1,350	1,340	3,690	4,060	18
19	2,480	2,980	5,410	18,300	13,200	7,240	1,490	1,180	1,350	1,300	3,720	4,060	19
20	2,510	2,980	5,410	18,800	13,200	2,610	1,510	1,120 *	1,320	1,340	3,700	4,060	20
21	2,550	2,980	5,410	18,300	13,200	1,990	1,510	1,120	1,320	1,350	3,710	4,080	21
22	2,550	2,960	5,050	17,900	13,200	1,810	1,510	1,130	1,340	1,360	3,690	4,060	22
23	2,570	2,960	4,480	16,500	13,200	1,570	1,510	1,080	1,360	1,350	3,680	4,090	23
24	2,550	2,960	11,900	15,800	13,200	1,350	1,380	1,110	1,340	1,360	3,720	4,070	24
25	2,510	2,900	18,100	17,800 *	11,300	1,310	1,300	1,150	1,350	1,320	3,790	4,050	25
26	2,540	2,770	18,700	20,700	8,010	1,370	1,300	1,130	1,350	1,320	3,920	4,130	26
27	2,570	2,740	19,500	20,800	7,980	1,630	1,300	1,100	1,350	1,420	3,960	3,980	27
28	2,570	2,770	19,500	21,200 *	8,010	1,830	1,300	1,050	1,340	1,640	3,940	3,650	28
29	2,550	2,750	19,800 *	19,000 *		2,050	1,300	1,040	1,370	1,840	3,940	3,160	29
30	2,550	2,740	20,700 *	18,200		2,240	1,290	1,060	1,360	1,930	3,950	2,750	30
31	2,540		17,500 *	18,100		2,420		1,060		2,080	3,960		31
MEAN	2,546	2,727	7,864	14,490	10,680	7,951	1,813	1,171	1,352	1,408	3,541	3,875	MEAN
MAX.	2,720	2,980	20,700	20,800	17,500	14,000	2,410	1,380	1,680	2,080	3,960	4,090	MAX.
MIN.	2,460	2,490	2,850	3,300	7,700	1,310	1,290	1,040	1,060	1,260	2,260	2,750	MIN.
AC. FT.	156,500	162,200	483,600	891,100	593,300	488,900	107,900	71,980	80,450	86,580	217,700	230,600	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
4,932	21,600	23.30	1	28	1700						3,571,000

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 27 23	121 38 10	SE 33 19N 3E				DEC 1967-DATE	DEC 1967-DATE	1967		0.47	USCGS

Station located in river outlet channel 5.7 miles southwest of Oroville. Station measures flows released to Feather River through Thermalito Afterbay.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A05165	FEATHER RIVER NEAR GRIDLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3,060	2,980	3,270	14,800	20,500	10,600	2,990	1,860	1,530	1,730	2,500	4,330	1
2	3,030	2,920	3,430	14,000	16,100	13,500	2,980	1,870	1,540	1,690	2,670	4,290	2
3	3,040	2,990	3,420	12,800	12,000	13,500	2,920	1,870	1,700	1,670	2,960	4,330	3
4	3,010	3,050	3,410	11,600	9,470	13,600	2,860	1,870	1,970	1,660	3,460	4,340	4
5	3,010	3,090	3,410	8,580	9,020	13,600	2,870	1,890	2,110	1,660	3,560	4,340	5
6	3,030	3,070	3,400	4,230	8,890	13,600	2,810	1,920	1,940	1,640	3,690	4,330	6
7	3,040	3,030	3,640	4,190	8,800	13,600	2,740	1,850	1,820	1,630	3,700	4,330	7
8	3,040	3,000	3,840	4,160	8,770	13,700	2,700	1,620	1,850	1,620	3,680	4,300	8
9	3,040	2,960	3,910	4,170	8,740	14,000	2,680	1,650	1,830	1,610	3,690	4,310	9
10	3,030	3,010	4,060	5,900	8,690	14,400	2,670	1,630	1,790	1,640	3,750	4,310	10
11	2,980	3,010	4,720	9,950	8,810	14,400	2,660	1,630	1,750	1,640	3,950	4,330	11
12	3,160	3,000	5,220	11,500	9,120	14,400	2,670	1,700	1,720	1,620	3,970	4,340	12
13	3,030	3,000	5,700	16,500	9,610	12,800	2,640	1,670	1,730	1,620	3,930	4,360	13
14	2,920	3,000	5,960	43,600	11,100	12,100	2,530	1,630	1,740	1,650	4,010	4,340	14
15	3,000	2,990	6,000	57,900	12,400	12,300	2,490	1,660	1,750	1,620	4,140	4,320	15
16	2,970	3,350	6,030	65,600	12,600	10,200	2,470	1,640	1,760	1,650	4,030	4,340	16
17	2,950	3,430	6,030	69,500	13,300	9,080	2,400	1,590	1,750	1,650	4,050	4,410	17
18	2,900	3,470	6,050	68,300	13,200	9,220	2,210	1,680	1,760	1,670	4,030	4,530	18
19	2,860	3,460	6,170	66,300	13,200	9,300	2,050	1,680	1,750	1,620	4,040	4,520	19
20	2,910	3,450	6,220	57,400	13,200	5,670	2,060	1,620	1,740	1,650	4,030	4,520	20
21	2,980	3,460	6,290	40,000	13,300	2,970	2,090	1,600	1,740	1,650	4,010	4,520	21
22	2,980	3,460	6,040	47,100	13,300	2,650	2,080	1,620	1,740	1,660	3,990	4,520	22
23	3,010	3,450	5,510	59,900	13,400	2,420	2,070	1,570	1,760	1,630	4,000	4,560	23
24	3,020	3,470	11,700	67,900	13,200	2,160	1,980	1,580	1,760	1,660	4,020	4,480	24
25	2,990	3,400	22,400	70,600	12,500	2,010	1,880	1,630	1,760	1,630	4,110	4,480	25
26	2,980	3,240	22,300	71,800	9,300	2,020	1,860	1,640	1,760	1,620	4,290	4,560	26
27	3,000	3,230	22,200	70,800	9,260	2,230	1,840	1,580	1,760	1,700	4,350	4,410	27
28	3,010	3,250	22,100	62,900	9,310	2,410	1,840	1,550	1,760	1,890	4,340	4,080	28
29	3,010	3,220	22,100	54,600		2,590	1,840	1,520	1,760	2,090	4,390	3,560	29
30	3,020	3,200	21,400	47,500		2,770	1,850	1,510	1,760	2,200	4,380	3,110	30
31	2,980		18,300	29,600		2,980		1,520		2,290	4,370		31
MEAN	2,999	3,188	8,846	37,860	11,467	8,734	2,391	1,672	1,769	1,708	3,873	4,316	MEAN
MAX.	3,160	3,470	22,400	71,800	20,500	14,400	2,990	1,920	2,110	2,290	4,390	4,560	MAX.
MIN.	2,860	2,920	3,270	4,160	8,690	2,010	1,840	1,510	1,530	1,610	2,500	3,110	MIN.
AC. FT.	184443	189699	543927	2327959	636872	537084	142274	102843	105302	105045	238195	256859	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
7418.2	72900	42.81	01	27	0145	1480.0	25.64	05	30	1245	5370503

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 22 01	121 38 43	SW 33 18 N 3E		102.25	12-23-1955	JAN 1944-DATE	MAR 29-MAY 37 #	1929		0.00	USED
							OCT 37-APR 39	1929		-2.91	USCGS
							NOV 39-JUL 40				
							OCT 40-JUL 43				
							OCT 43-DATE				

Station located near highway bridge, 2.7 miles east of Gridley. Subsequent to 1962, tabulations include all left bank overflow. Records of discharge published prior to 1963 listed only that water in the main channel. Drainage area is 3,676 square miles.

- Flood season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A05735	NORTH HONCUT CREEK NEAR BANGOR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.5	4.3	2.4	23	64	1,430	14	9.0	3.8*	3.4*	1.3	1.9*	1
2	2.4	4.8	2.4	20	54	282	13	7.6	3.2	3.1	0.9	1.6	2
3	2.4	4.3	2.4	18	45	149	13	7.0	2.8	2.7	0.7	1.3	3
4	2.4	4.8	2.4	16	40	242	16	7.0	2.2	2.4	0.6	1.5	4
5	2.7	20	2.4	16	32	223	16	6.7	1.9	2.0	0.7	2.2	5
6	2.4	23	2.4	15	24	137	16	7.4	1.8	1.9	0.8	2.5	6
7	2.4	15	2.5	14	21	115	16	8.9	1.9	2.1	0.8	2.4	7
8	2.6*	12	3.1	15 *	18	555	15 *	9.2	2.2	1.8	0.6	2.1	8
9	2.8	7.8	3.9	245	16	195	16	9.8	4.3	1.5	0.4	2.0	9
10	3.1	5.4	5.4	382	14	307	16	9.6	5.9	1.3	0.4	1.6	10
11	3.0	4.3	8.5	130	12	169 *	18	9.2	5.3	1.2	0.5	1.3	11
12	3.1	3.9	13	309	18	131	17	8.8	4.5	1.2	0.8	1.1	12
13	3.2	3.8*	37	899	1,270	108	20	8.9	4.2	1.3	1.0	0.9	13
14	3.5	3.7	22	2,650	790	91	24	8.2	5.2	1.0	1.3	1.0	14
15	6.4	3.9	12	380 *	190	74	21	7.3	5.7	1.3	1.3	1.2	15
16	22	3.5	8.2	1,620	281	62	18 *	6.8	5.9	1.5	1.4	1.3	16
17	9.1	3.3	6.9	394 *	573	53	18	6.3	4.9	1.6	1.4	1.2	17
18	5.2	3.1	6.1	191	182	46	17	5.7	4.2	1.7	1.5	0.9	18
19	4.5	3.0	250	486	131	40	17	5.8	3.6	1.4	1.6	0.9	19
20	3.9	3.0	627	684	105	35	15	6.0*	2.8	1.3	1.7	1.4	20
21	3.6	2.9	806	2,820 *	89	32	14	6.7	2.2	1.2	1.9	1.9	21
22	4.0	2.8	177	724 *	75	29	13	5.8	2.1	1.3	2.2	1.7	22
23	4.1	2.7	829	446	65	27	13 *	5.5	2.0	1.2	2.5	1.8	23
24	4.1	2.7	2,190	1,090	58	25	13	4.7	2.3	0.8	3.1	2.3	24
25	4.3	2.6	384	229	51	23	13	4.3	2.2	0.8	3.4	2.2	25
26	4.6	2.6	139	149	44	21	13	4.5	2.3	0.8	3.7	2.4	26
27	4.6	2.6	82	737	40	20	13	4.9	2.3	0.6	3.8	2.9	27
28	4.6	2.6	53	194	52	18	12	4.9	2.7	0.5	3.7	2.5	28
29	4.9	2.6	38 *	125		17	11	4.9	3.7	0.4	2.5	2.4	29
30	4.1	2.6	31	97 *		16	9.8	4.9	3.9	0.4	1.8	2.4	30
31	4.4		25	77		15		4.1		1.0	1.8		31
MEAN	4.4	5.5	186	490	155	151	15.4	6.8	3.4	1.4	1.6	1.8	MEAN
MAX.	22.0	23.0	2,190	2,820	1,270	1,430	24.0	9.8	5.9	3.4	3.8	2.9	MAX.
MIN.	2.4	2.6	2.4	14.0	12.0	15.0	9.8	4.1	1.8	0.4	0.4	0.9	MIN.
AC. FT.	272	324	11453	30139	8636	9297	914	417	202	89	99	105	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
85.6	6930	11.16	01	14	1145	0.4	3.57	07	29	1630	61946

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 20 32	121 29 25	SW 11 17N 4E	10,700 E	11.57	12-26-1964	OCT 59-SEPT 62 JUL 63-DATE	OCT 59-SEPT 62 JUL 63-DATE	1959 1963	1962	0.00 0.00	LOCAL LOCAL

Station located 0.4 mile north of Honcut-Wyandotte Road and Bangor Highway junction, 5.7 miles southwest of Bangor. Tributary to Feather River. Flow partly regulated by Lake Wyandotte. Drainage area is 47.1 square miles.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A05120	FEATHER RIVER BELOW SHANGHAI BEND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3,470	3,410	3,720	17,600	38,900	16,400	4,830	4,770	3,750	2,290	3,660	5,850	1
2	3,350	3,350	3,870	16,400	29,000	24,900	4,330	4,810	2,330	2,180	3,790	6,210	2
3	3,340	3,360	3,910	14,400	24,800 *	21,200	4,240	4,670	2,160	2,110	4,050	6,260	3
4	3,340	3,440	3,950	13,700	19,200	21,300	4,120	4,780	2,760	2,120	4,350	6,290	4
5	3,280	3,530	4,010	11,300	16,100	21,000	4,010	4,770	3,790	2,110	4,650	6,300	5
6	3,240	3,640	4,020	6,150	17,000	19,400	3,940	4,820	2,810	2,070	4,820	6,330	6
7	3,250 *	3,620	4,040	5,170 *	15,400	18,600	3,750	4,830	2,770	2,040	4,890	6,310	7
8	3,250	3,590	4,310	5,040	13,800	21,100	3,660	3,370	2,720	2,030	4,890	6,320	8
9	3,250	3,520	4,450	5,210	13,500	21,100	3,560	2,730	2,530	2,070	4,900	7,440	9
10	3,240	3,500	4,530	6,870	13,800	22,500	3,490	3,010	2,730	2,120	4,960	7,440	10
11	3,230	3,550	4,970	10,200	13,000	22,500	3,420	4,740	3,300	2,040	5,040	7,360	11
12	3,260	3,550 *	5,510	12,300	14,300	21,400	3,310	4,970	2,830	2,060	5,230	7,320	12
13	3,430	3,550	6,070	16,100	15,400	21,000 *	3,260	5,070	2,720	2,070	5,270	7,160	13
14	3,170	3,550	6,500	32,400	20,600	18,100	3,130	5,010	2,710	2,060	5,270	7,110	14
15	3,210	3,550	6,540	62,800	21,700	17,400	3,020	5,060	2,710	2,080	5,430	7,010	15
16	3,490	3,670	6,560	81,500 *	19,300	16,500	2,940	5,030	2,630	2,100	5,450	6,840	16
17	3,430	3,890	6,670	*110,000	22,700	13,600	2,910 *	4,940	2,590 *	2,120	5,440	6,680	17
18	3,390	3,920	6,510	95,800	23,700	13,200	2,790	4,310	2,590	2,130	5,430	6,530	18
19	3,320	3,930	6,680	83,400	21,200	12,600	2,570	3,770	2,580	2,120	5,430	6,520	19
20	3,360	3,930	7,760	82,100	18,700	10,900	2,490	3,750	2,560	2,150	5,430	6,490	20
21	3,390	3,930	9,390	83,500 *	18,300	7,980	2,480	3,520 *	2,550	2,830	5,610	5,960	21
22	3,390	3,930	9,370	126,000	18,200	7,450	2,460	3,520	2,570	2,950	5,810	4,610	22
23	3,400	3,930	7,660	101,000	18,000	7,140	2,440	3,410	2,560	2,970	5,820	4,420 *	23
24	3,400	3,920	18,400	117,000	18,300	6,950	2,470	3,330	2,520	2,940	5,890	4,380	24
25	3,380	3,950	30,500	105,000	18,800	6,490	2,370	3,310	2,530	2,960	6,150	4,340	25
26	3,390	3,810	29,000	88,100	15,100	5,930	2,320	3,260	2,540	3,000	6,330 *	4,490	26
27	3,410	3,760	25,800	85,700	13,500	4,270	2,370	2,620	2,250	3,060	6,410	4,830	27
28	3,440	3,720	24,000	79,000	13,400	3,990	3,280	2,270	2,180	3,110	6,430	4,820	28
29	3,430	3,740	23,100 *	68,300		4,080	4,630	2,240	2,240	3,310	6,390	4,510	29
30	3,420	3,720	22,600	66,200		4,900	4,600	3,210	2,260	3,470	6,370	3,960	30
31	3,430		22,000	50,900		5,360		3,950		3,520	5,960		31
MEAN	3,347	3,682	10,529	53,520	18,775	14,169	3,306	3,995	2,659	2,457	5,340	6,003	MEAN
MAX.	3,490	3,950	30,500	126,000	38,900	24,900	4,830	5,070	3,790	3,520	6,430	7,440	MAX.
MIN.	3,170	3,350	3,720	5,040	13,000	3,990	2,320	2,240	2,160	2,030	3,660	3,960	MIN.
AC. FT.	205845	219094	647405	3290854	1042710	871219	196740	245653	158221	151121	328363	357203	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
10655.8	133000	62.55	01	22	1200	2000.0	33.44	07	07	2200	7714429

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 04 44	121 36 08	NE 11 14N 3E		76.8	12-24-1955	JUN 44-OCT 45 ö JAN 46-DATE	NOV 26-MAY 35 # OCT 37-MAY 39 NOV 39-JUL 41 NOV 41-JUL 43 # OCT 43-DATE	1926 1926		0.00 -3.01	USED USCGS

Station located approximately 4 miles south of Yuba City. Flow partly regulated by reservoirs and powerplants. Drainage area is 5,337 square miles.

ö - Irrigation season only.
- Flood season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A02903	SACRAMENTO WEIR SPILL TO YOLO BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1				0.0	6,437								1
2				0.0	1,444								2
3				0.0	686								3
4				0.0	586								4
5				0.0	463								5
6				0.0	384								6
7				0.0	347								7
8				0.0	283								8
9				0.0	233								9
10	N	N	N	0.0	174	N	N	N	N	N	N	N	10
11	O	O	O	0.0	109	O	O	O	O	O	O	O	11
12				0.0	72								12
13				0.0	57								13
14				114	70								14
15	F	F	F	451	105	F	F	F	F	F	F	F	15
16	L	L	L	781	74	L	L	L	L	L	L	L	16
17				4,636	50								17
18	O	O	O	18,428	63	O	O	O	O	O	O	O	18
19				18,306	26								19
20	W	W	W	10,145	0.0	W	W	W	W	W	W	W	20
21				8,438	0.0								21
22				12,802	0.0								22
23				19,462	0.0								23
24				24,761	0.0								24
25				25,150	0.0								25
26				17,817	0.0								26
27				15,444	0.0								27
28				13,089	0.0								28
29				10,094									29
30				9,062									30
31				7,911									31
MEAN				6,996	416								MEAN
MAX.				25,150	6,437								MAX.
MIN.				0.0	0.0								MIN.
AC. FT.				430,200	23,130								AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
627	27,076		1	24	1500	0.0		10	01	0000	453,330

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
			118,000 E	32.8	3-26-1928	1926-DATE					

See Sacramento River at Sacramento Weir for stage record and location. Elevation of fixed crest of weir is 24.5* feet, USED Datum; elevation of movable crest (top of needles) is 30.5* feet, USED Datum. There are 48 gates, each 38 feet in length.

* From 1964 surveys. Previously listed as 25.0 and 31.0, respectively.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A00047	DRY CREEK AT ROSEVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	22	NR	30	57	114	301	41	31	9.8*	20	9.6	18	1
2	24	NR	31	56	107	206	40	30	7.2	17	9.7	17	2
3	28	NR	32	56	101	124	38	33	5.1	11	10	17	3
4	28	40	33	58	100 *	186	35	27	4.3	8.0	9.7	14 *	4
5	29	93	34	58	94	196	30	25	4.8	9.8	11	16	5
6	31	87 *	36	56	89	120	35	26	7.6	8.7	11	19	6
7	25	56	32	56	86	108	36	29	11	8.6*	12	20	7
8	25	44	29	60 *	84	376	30	30	20	7.8	12	20	8
9	28	39	35	94	82	208	42	35	48	7.8	12	18	9
10	28	37	35	163	80	174	52	36	60	8.6	12	17	10
11	NR	35	40	103	78	136	43	35	53	8.0	10	18	11
12	NR	36	39 *	93	111	118	36	34 *	41	8.8	9.7	18	12
13	NR	34	37	108 *	171	106	39	34	44	11	9.6	20	13
14	NR	33	33	743 *	158	99	55	32	46	13	10	23	14
15	NR	32	34	341	103	91	53	27	45	12	9.6	23	15
16	NR	33	32	645 *	108	85	44	20	41	12	10	23	16
17	NR	30	31	414	219	77	42	14	33	12	10	22	17
18	NR	30	34	217	125	72	45	11	30 *	12	14	21	18
19	NR	30	55	173	103	67 *	34	13	26	11	17	21	19
20	NR	28 *	158	212	94	64	29	17	21	11	13	25	20
21	NR	28	147	1,040 *	88	62	29	14	19	10	7.5	27	21
22	NR	30	105	639	83	60	31	15	19	9.2	8.7	28	22
23	NR	30	91	257	78	59	28	12	17	9.4	10	24	23
24	NR	30	193	327	76	56	30	11	16	8.3	14	24	24
25	NR	30	115	187	75	53	28	11	14	7.7	16	23	25
26	NR	29 *	114	152	73	49	29	11	15	8.2	15	23	26
27	NR	27	85	NR	71 *	52	41	12	21	8.8	15	23	27
28	NR	28	73	NR	79	47	43	14	21	8.3	17	22	28
29	NR	28	66	NR		49	36	15	27	7.7	15	22	29
30	NR	29	62	NR		46	35	12	25	7.7	16	21	30
31	NR		58	121		41		11		8.7*	19		31
MEAN			62.2		101	112	37.6	21.8	25.1	10.1	12.1	20.9	MEAN
MAX.	0.0	0.0	193	0.0	219	376	55.0	36.0	60.0	20.0	19.0	28.0	MAX.
MIN.	0.0	0.0	29.0	0.0	71.0	41.0	28.0	11.0	4.3	7.7	7.5	14.0	MIN.
AC. FT.			3826		5613	6918	2239	1343	1491	619	744	1244	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 44 47	121 16 57	SE 2 10N 6E	2370	15.90	1-26-69	APR 1966-DATE	APR 1966-DATE	1966		0.00	LOCAL

Station located 1400 feet above Douglas Street Bridge. Prior to 11-3-69 station located 100 feet above Douglas Street bridge. Tributary to Sacramento River via Back Borrow Pit of Reclamation District 1000 and Linda Creek.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A0 2100	SACRAMENTO RIVER AT SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	16,900	17,200	15,800	66,000	76,600	49,500	21,700	15,600	11,800	13,200	13,500	16,700	1
2	16,600	17,200	15,800	62,400	76,800	52,800	20,800	15,300	11,200	13,600	13,600	17,200	2
3	16,100	17,200	15,900	58,900	75,800	57,900	20,000	15,200	10,100	13,300	13,600	17,500	3
4	15,600	17,100	15,900	56,200	74,000	59,400	19,000	15,100	10,400	13,100	14,000	17,700	4
5	15,500	17,400	15,900	52,500	72,700	58,800	18,000	15,500	11,200	13,000	14,100	17,900	5
6	15,300	17,600	15,700	46,600	71,900	57,700	17,400	15,500	11,100	13,200	14,100	18,000	6
7	15,000	18,400	15,600	40,300	71,300	57,500	17,000	15,200	10,700	12,600	14,400	18,000	7
8	14,800	19,100	15,700	36,800	70,100	57,100	16,400	14,900	10,900	12,200	14,600	18,000	8
9	14,800	19,200	16,300	35,400	69,200	58,400	15,900	14,200	11,200	12,000	14,600	18,600	9
10	14,700	18,900	16,800	36,800	67,800	59,600	15,500	14,200	11,500	11,900	14,800	19,600	10
11	15,300	18,500	16,800	43,600	66,700	61,000	15,400	15,200	12,600	12,300	14,800	20,200	11
12	15,800	18,200	17,200	50,100	66,100	61,000	14,700	17,100	12,900	12,400	15,000	20,500	12
13	16,100	17,300	17,900	57,800	65,900	59,900	14,200	17,500	12,700	12,900	14,800	21.500	13
14	16,400	16,200	25,700	66,500	66,000	57,600	14,800	17,500	12,700	13,100	15,000	20,500	14
15	16,400	16,100	32,500	71,600	66,600	54,500	13,800	17,400	12,300	13,500	15,100	20,600	15
16	17,100	17,200	32,700	78,700	66,200	51,900	13,500	16,600	12,100	13,400	15,000	20,000	16
17	17,800	17,500	30,500	90,200	65,700	48,500	13,400	15,600	12,100	12,900	15,000	20,000	17
18	18,500	17,200	28,100	93,500	65,900	44,100	12,800	15,000	12,300	12,900	14,900	19,800	18
19	18,700	16,800	26,800	93,100	65,400	40,400	12,100	13,700	11,800	13,100	14,900	19,700	19
20	18,300	16,200	28,300	87,900	64,400	38,000	11,600	13,500	11,700	13,000	14,900	19,800	20
21	17,900	15,800	34,800	84,900	63,100	34,000	11,100	13,200	11,900	13,300	15,000	19,900	21
22	17,600	15,700	40,800	89,500	62,100	30,500	11,100	13,000	11,900	13,600	15,200	18,900	22
23	17,500	15,800	47,300	93,300	60,700	28,700	10,800	12,800	12,200	13,600	15,300	17,700	23
24	17,400	15,800	60,200	93,800	58,900	27,500	10,600	12,800	12,000	13,700	14,500	17,300	24
25	17,400	15,800	70,300	93,000	58,300	26,600	11,100	12,400	11,600	13,700	14,400	16,900	25
26	17,300	15,800	72,100	89,100	57,100	25,900	11,500	12,400	11,600	13,700	14,800	16,400	26
27	17,300	15,700	73,000	87,100	53,700	24,400	12,000	12,100	11,800	13,900	16,100	16,600	27
28	17,400	15,800	72,300	84,500	50,700	22,400	12,500	10,700	12,000	13,900	16,800	16,700	28
29	17,400	15,700	71,000	80,700	------	21,600	14,400	10,600	12,400	13,800	16,900	16,800	29
30	17,300	15,800	67,900	79,400	------	21,400	15,500	10,800	12,900	13,800	17,300	16,400	30
31	17,300	------	67,200	77,900	------	21,800	------	11,600	------	13,800	17,300	------	31
MEAN	16,690	16,940	35,250	70,260	66,060	44,210	14,620	14,260	11,790	13,170	14,980	18,510	MEAN
MAX.	18,700	19,200	73,000	93,800	76,800	61,000	21,700	17,500	12,900	13,900	17,300	21,500	MAX.
MIN.	14,700	15,700	15,600	35,400	50,700	21,400	10,600	10,600	10,100	11,900	13,500	16,400	MIN.
AC. FT.	1,026M	1,008M	2,168M	4,320M	3,669M	2,718M	870,000	877,100	701,400	810,100	920,900	1,102M	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
27,890	94,100	28.24	1	24	1415	NR					20,190,000

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 35 20	121 30 15	NW 35 9N 4E	104,000	30.14	11-21-1950	1904-1905	JAN 04-JUL 05	1904	1956	0.12	USCGS
						JUN 21-NOV 21	20-DATE	1956		0.00	USCGS
						MAY 24-DEC 42 ö		1956		2.98	USED
						MAY 43-DATE			1965	-0.23	USCGS
								1965		0.00	USCGS

Station located 1,000 feet above I Street bridge, 0.5 mile below the American River. Below approximately 30,000 cfs the stage-discharge relationship is affected by tidal influence. Maximum discharge listed at site and datum then in use. Records furnished by USGS. Drainage area is 23,530 square miles.

ö - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A81810	MIDDLE CREEK NEAR UPPER LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.1	1.5	0.1	49	215	109	31	15	3.3	2.0	0.4	0.6	1
2	0.1	1.4	0.1	48	167 *	85	30	14	2.7	2.0	0.4	0.6	2
3	0.1	1.4	0.1	47	128	76	29	13	2.6	1.8	0.4	0.6	3
4	0.1	1.4	0.1	46	112	152	28	13	2.5	1.8	0.4	0.6*	4
5	0.1	1.7	0.1*	45	101	117	27	12	2.5	1.8	0.4	0.6	5
6	0.1	1.3	0.1	44	92	103	26	12	2.3	1.8	0.4	0.6	6
7	0.1	1.4	0.1	44	85	113	25	12	2.4	1.6	0.5	0.6	7
8	0.1	1.3	0.7	42	78	210	24	12	2.7	1.6	0.5	0.5	8
9	0.1	1.2	0.7	767	71	168	23	13	3.5	1.6	0.5	0.5	9
10	0.6	1.1	0.8	663 *	64	167	23	13	3.3	1.6	0.5	0.5	10
11	0.8	1.1	1.2	360 *	59	140	22	13	3.7	1.6	0.5	0.4	11
12	0.8	1.1	128	401	106	115	22	13	3.8	1.3	0.5	0.4	12
13	0.9	1.3	69	600	536	104	22	12	3.6	1.3	0.5	0.4	13
14	1.1	1.2	37	1,910	353	100	22	11	3.5	1.3	0.5	0.4	14
15	1.8	1.1	31	843	234	92	22	10	3.5	1.1	0.5	0.4	15
16	1.3	1.0	23	1,730	487	87	21	8.9	2.8	1.1	0.5	0.4	16
17	1.3	0.6	20	1,360	679	82	20	9.4	2.6*	1.1	0.5	0.3	17
18	1.1	0.4	26	747	478	76	19	8.6	2.4	1.1	0.5	0.3	18
19	1.1	0.2	649	581	348	69	18	8.4	2.4	0.9	0.5	0.3	19
20	1.1	0.1	394	703	275	66	18	7.7*	2.5	0.9	0.5	0.2	20
21	1.1*	0.1	918	2,210	218	61	18	7.4	2.5	0.9	0.5	0.2	21
22	1.0	0.1	254	1,490 *	168	58	17	7.0	2.5	0.8	0.5	0.2	22
23	1.1	0.1	567	2,950	127	53	16 *	6.7	2.5	0.8	0.5	0.2	23
24	1.1	0.1	557	2,590	111	49	16	6.2	2.5	0.7	0.5	0.1	24
25	1.2	0.1	287	1,140	99	44	16	5.7	2.3	0.6	0.6	0.1	25
26	1.2	0.1	181	790	92	41	17	4.4	2.3	0.6	0.6	0.1	26
27	1.4	0.1	98	1,500	86	38	18	4.4	2.3	0.5	0.6	0.1	27
28	1.4	0.1	73	763	93	36	17	4.4	2.3	0.4*	0.6	0.1	28
29	1.6	0.1	66	508		35	16	3.8	2.0	0.4	0.6	0.1	29
30	1.5	0.1	57	362		34	15	3.7	2.0	0.4	0.6	0.1	30
31	1.5		54	274		32 *		3.9		0.4	0.6		31
MEAN	0.9	0.8	144	826	202	87.5	21.3	9.3	2.7	1.2	0.5	0.4	MEAN
MAX.	1.8	1.7	918	2,950	679	210	31.0	15.0	3.8	2.0	0.6	0.6	MAX.
MIN.	0.1	0.1	0.1	42.0	59.0	32.0	15.0	3.7	2.0	0.4	0.4	0.1	MIN.
AC. FT.	53	45	8912	50791	11230	5379	1265	572	162	71	31	21	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
108.5	5830	13.91	01	23	2115	0.1	4.84	10	01	0000	78534

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 10 59	122 54 39	NE1 15N 10W				OCT 48-SEP 53 MAR 59-SEP 59 AUG 62-DATE	OCT 48-DATE	1959 1962	1962	1353.6 0.00	USCGS LOCAL

Station located at Ranchera Road bridge, 1.3 mi. N of Upper Lake. Tributary to Clear Lake. Flow affected by upstream diversion. Drainage area is 48.5 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A81845	SCOTTS CREEK AT EICKHOFF ROAD NEAR LAKEPORT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	38	169	95	25	8.7	1.1	0.0	0.0	0.0	1
2	0.0	0.0	0.0	33	144 *	67	24	8.0	1.1	0.0	0.0	0.0	2
3	0.0	0.0	0.0	30	125	58	23	7.7	1.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	28	112	187	22	7.1	1.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	25	101	169	20	6.4	0.9	0.0	0.0	0.0	5
6	0.0	0.0	0.0	24	93	122	20	6.8	0.7	0.0	0.0	0.0	6
7	0.0	0.0	0.0	24	87	121	19	6.7	0.9	0.0	0.0	0.0	7
8	0.0	0.0	0.0	110	81	226	18	6.8	1.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	1,780	76	174	17	7.5	1.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	997 *	71	160	17	7.7	0.9	0.0	0.0	0.0	10
11	0.0	0.0	0.0	398 *	67	136	16	7.9	0.8	0.0	0.0	0.0	11
12	0.0	0.0	166	475	122	113	16	8.9	0.8	0.0	0.0	0.0	12
13	0.0	0.0	121	724	763	100	16	7.7	0.8	0.0	0.0	0.0	13
14	0.0	0.0	53	2,380	403	93	17	6.1	0.8	0.0	0.0	0.0	14
15	0.0	0.0	36	1,100	243	82	17	5.5	0.7	0.0	0.0	0.0	15
16	0.0	0.0	20	2,530	529	73	16	4.9	0.7	0.0	0.0	0.0	16
17	0.0	0.0	16	1,580	733	64	15	4.4	0.7*	0.0	0.0	0.0	17
18	0.0	0.0	35	705	411	57	14	4.2	0.6	0.0	0.0	0.0	18
19	0.0	0.0	940	469	280	51	14	3.8	0.7	0.0	0.0	0.0	19
20	0.0	0.0	493	617	209	47	13	3.6*	0.7	0.0	0.0	0.0	20
21	0.0	0.0	1,180	2,470	163	43	13	3.5	0.5	0.0	0.0	0.0	21
22	0.0	0.0	297	1,560	131	42	12	3.1	0.3	0.0	0.0	0.0	22
23	0.0	0.0	482	3,980	107	41	12	2.7	0.0	0.0	0.0	0.0	23
24	0.0	0.0	632	3,030	95	39	12 *	2.2	0.0	0.0	0.0	0.0	24
25	0.0	0.0	299	1,200	84	37	12	1.9	0.0	0.0	0.0	0.0	25
26	0.0	0.0	218	597	76	35	13	1.7	0.0	0.0	0.0	0.0	26
27	0.0	0.0	139	1,120	69	33	14	1.5	0.0	0.0	0.0	0.0	27
28	0.0	0.0	94	507	75	31	11	1.4	0.0	0.0*	0.0	0.0	28
29	0.0	0.0	70	337		30	10	1.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	53	254		29	9.7	0.9	0.0	0.0	0.0	0.0*	30
31	0.0		43	199		27 *		1.2		0.0	0.0		31
MEAN	0.0	0.0	173	945	200	83.3	15.9	4.9	0.6	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	1,180	3,980	763	226	25.0	8.9	1.1	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	24.0	67.0	27.0	9.7	0.9	0.0	0.0	0.0	0.0	MIN.
AC. FT.			10685	58157	11145	5121	948	300	35				AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
119.3	3980	12.97	01	23	0000	0.0	0.00	10	01	0000	86392

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 05 44	122 57 38	NW3 14N 10W	11000	*	1/23/70	OCT 68-DATE	OCT 68-DATE	1968		0.00	LOCAL

Station located at Eickhoff Road Bridge, 4.2 mi. NW of Lakeport. Tributary to Clear Lake via Middle Creek. Flow affected by upstream diversion. Daily flows for January are total flows and include water by-passing due to levee breaks as follows: January 16, 220 cfs; January 12, 180 cfs; January 23, 1910 cfs; and January 24, 510 cfs.

* Maximum discharge includes 7500 cfs by-passing station due to levee breaks. Drainage area is 55.2 sq. mi.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A81940	CLOVER CREEK BYPASS NEAR UPPER LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8						162							8
9				150		122							9
10				107 *		107							10
11													11
12													12
13				418	430								13
14				1280	254								14
15				254	145								15
16				1160	290								16
17				631	424								17
18				320	296								18
19			136	248	206								19
20				296	150								20
21			150	1020	103								21
22				566 *									22
23			189	1840									23
24			254	1460									24
25				644									25
26				474									26
27				684									27
28				396									28
29				266									29
30				178									30
31				126									31
MEAN													MEAN
MAX.			254	1840	430	162							MAX.
MIN.													MIN.
AC. FT.													AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
	4970	7.64	1	23	2115						

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 10 33	122 54 00	SE6 15N 9W	4970	7.64	1/23/70	NOV 59-SEPT 66 OCT 68-DATE	NOV 59-DATE	1959		0.00	LOCAL

Station located 0.2 mi. above Lake Pillsbury Road bridge, 0.8 mi. N of Upper Lake. Tributary to Clear Lake via Middle Creek.
Flows of less than 100 daily mean cfs not published.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A81250	BEAR CREEK NEAR RUMSEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.7	2.2	5.8	23	192	286	45	22	6.4	3.7	1.7	1.1*	1
2	1.7	2.2	6.0	20	171	129	44	22	6.4	3.6	1.7	1.1	2
3	1.5*	2.2	6.1	19	158	108	43	21	6.3	3.5	1.5	1.2	3
4	1.4	2.2	6.3	19	151	335	42	20	6.0*	3.4	1.5	1.2	4
5	1.6	2.2	6.5	17	137	194	42	20	5.8	3.3	1.5	1.2	5
6	1.7	2.2	6.8	16	125	131 *	41	19	5.8	3.1	1.4	1.2	6
7	1.8	2.3	7.0	16	118	120	40	19	5.7	3.0	1.4	1.3	7
8	1.9	2.3	7.2	67 *	111	132	39	18	6.1	2.8	1.3	1.3	8
9	2.0	2.3	7.3	2,160	104	116	35 *	18	7.0	2.8*	1.3	1.3	9
10	2.0	2.3	7.5	491	99	118	34	17	6.8	2.8	1.2	1.3	10
11	2.0	2.3	7.7	155	98	101	34	17	6.3	2.7	1.2	1.4	11
12	2.0	2.5*	8.1	137	130	94	34	16	5.8	2.7	1.2	1.4	12
13	2.0	2.6	5.0	441	1,160	88	33	16	5.4	2.6	1.1	1.4	13
14	2.0	2.7	6.0	2,180	340	83	32	15	5.6	2.6	1.2	1.3	14
15	2.0	3.0	5.0	624 *	180	77	32	15	6.1	2.5	1.1	1.4	15
16	2.0	3.1	4.1	2,260	344	73	32	14	5.8	2.5	1.1	1.4	16
17	2.0	3.2	3.8	620	380	68	31	13	5.3	2.3	1.1	1.4	17
18	2.0	3.4	4.4	297	202	63	30	13	4.9	2.3	1.0	1.4	18
19	2.1	3.5	241	260 *	161	60	28	12 *	4.8	2.2	1.0	1.0	19
20	2.1	3.8	309	334	147	59	24	12	4.6	2.2	1.0	1.1	20
21	2.1	3.9	388	2,030	136	57	24	11	4.5	2.3	0.9	1.2	21
22	2.1	4.1	75	874	125	56	24	10	4.5	2.2	0.9	0.9	22
23	2.1	4.2	792	2,090	122	54	24	9.8	4.5	2.2	0.9	0.8	23
24	2.1	4.4	1,170	2,280	118	53	24	9.2	4.3	2.1	0.8	0.8	24
25	2.1	4.7	128	635	109	51	24	8.6	4.2	2.1	0.8*	0.8	25
26	2.1	4.8	70	431	107	51	24	8.3	4.1	2.0	0.8	0.6	26
27	2.1	5.0	48	977	103	50	24	8.1	4.0	2.0	0.9	0.7	27
28	2.2	5.2	38	367	110	49	23	7.8	3.9	2.0	0.9	0.9	28
29	2.2	5.3	32 *	286		48	23	7.9	3.8	1.9	0.9	1.1	29
30	2.2	5.6	28	247		47	23 *	7.5	3.8	1.9	1.0	1.1	30
31	2.2		25	215		46		6.8		1.9	1.1		31
MEAN	2.0	3.3	111	664	194	96.7	31.7	14.0	5.3	2.6	1.1	1.1	MEAN
MAX.	2.2	5.6	1,170	2,280	1,160	335	45.0	22.0	7.0	3.7	1.7	1.4	MAX.
MIN.	1.4	2.2	3.8	16.0	98.0	46.0	23.0	6.8	3.8	1.9	0.8	0.6	MIN.
AC. FT.	121	198	6852	40836	10786	5944	1888	861	314	157	70	68	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
94.1	5900	10.10	01	23	2330	0.4	0.65	09	26	0930	68096

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 56 38	122 20 34	SW 30 13N 4W	9,720	11.93	1-5-1965	SEPT 1955-DATE	SEPT 1955-DATE	1955		0.00	LOCAL

Station located 7.3 miles northwest of Rumsey, 1.4 miles above mouth. Tributary to Cache Creek. Drainage area is 100 square miles.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A81200	CACHE CREEK ABOVE RUMSEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	136	4.5	14	254	5,730	2,670	325	413	489	450	489	347	1
2	134	4.5	14	224	5,330	2,120	321	459	456	479	450	344	2
3	132 *	4.3	14	202	5,130	2,000	310	489	470	512	437	331	3
4	116	4.4	15	187	4,930	2,760	304	485	510 *	529	429	350	4
5	113	5.8	16	170	4,700	3,580	299	474	570	537	392	332	5
6	112	7.3	16	156	4,460	3,000	293	465	565	509	422	288	6
7	99	7.5	16	147	4,270	2,820	289	419	547	540	464	248	7
8	95	6.5	18	229	4,100	1,420	349	423	524	551	481	271	8
9	95	5.3	21	6,600	3,990	1,410	357	397	503	546 *	474	295	9
10	79	4.9	27	3,770	3,870	1,420	387	354	439	541	458	316	10
11	70	4.6	40	1,360	3,770	1,350	389	351	399	520	469	314	11
12	69	4.4	230 *	1,100	3,860	1,310	388	423	374	510	452	280	12
13	68	5.0	769	2,340	7,430	1,280	430	476	348	493	459	254	13
14	62	5.8	255	11,300	5,320	1,240	440	470	350	502	418	252	14
15	69	6.2	156	6,500 *	4,520	1,210	386	456	381	497	403	291	15
16	57	6.9	116	14,000	4,900	1,190	357 *	490	436	495	399	278	16
17	42	6.9	91	8,370	5,590	1,160	339	513	452	493	399	274	17
18	38	7.7	85	6,040	4,670	1,130	341	509	451	492	395	225	18
19	34	8.1	1,710	5,150 *	4,370	1,110	343	491 *	472	488	372	224	19
20	32	8.3	2,090	5,130	4,190	1,100	371	522	466	473	415	177	20
21	29	8.8	2,660	12,600	3,980	1,080	392	496	452	474	453	171	21
22	24	9.3	1,240	9,430 *	3,730	1,090	444	478	451	471	417	167	22
23	24	10	2,460	15,400	3,580	1,090	442	476	483	478	366	167	23
24	23	11	5,510	23,600	3,460	921	440	486	495	523	324	181	24
25	22	11	1,390	11,400	3,360	416	472	481	497	515	321 *	180	25
26	12	12	895	8,850	3,270	391	483	456	506	481	320	166	26
27	7.2	12	636	11,000 *	2,660	374	477	455	500	487	341	165	27
28	6.2	12	490	8,170	1,860	362	418	452	459	487	338	165	28
29	5.3	13	400 *	7,170		356	407	430	449	488	337	163	29
30	4.9	13	337	6,620		352	400	465	427	503	346	163	30
31	4.6		288	6,120		337		448		502	347		31
MEAN	58.5	7.7	710	6,244	4,322	1,356	379	458	464	502	406	246	MEAN
MAX.	136	13.0	5,510	23,600	7,430	3,580	483	522	570	551	489	350	MAX.
MIN.	4.6	4.3	14.0	147	1,860	337	289	351	348	450	320	163	MIN.
AC. FT.	3598	458	43674	383978	240059	83403	22598	28169	27612	30875	24966	14636	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
1248.7	43400	19.59	01	24	0045	3.9	0.64	11	03	0500	904026

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 54 47	122 16 14	SE 2 12N 4W	43,400	19.59	1-24-1970	OCT 59-SEPT 63 JUN 65-DATE	OCT 59-DATE	1959		0.00	LOCAL

Station located 0.4 mile below State Highway 16 bridge, 2.5 miles northwest of Rumsey. Flow regulated by Clear Lake. Maximum discharge of record listed is for the period October 1959 to September 1963 and June 1965 to date. Drainage area is 955 square miles.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A95010	POPE CREEK NEAR POPE VALLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.1*	0.4	1.3	58	241	615	39	18	5.8	1.9	0.5	0.3	1
2	0.1	0.3	1.4	52	211	227	39	17	5.4	1.8	0.5	0.3	2
3	0.1	0.3	1.4	48	191	170	37	16	5.1	1.7	0.5	0.3	3
4	0.1	0.3	1.4	45	176	707	36	15	5.1	1.6	0.5	0.3	4
5	0.1	0.8	1.4	42	160	395	35	15	4.8	1.4	0.5	0.3	5
6	0.1	1.4	1.5	39	150	246	34	15 *	4.3	1.3	0.5	0.3	6
7	0.1	1.3	1.6	39	141	205	32	15	4.3	1.3	0.5	0.3	7
8	0.2	1.1	1.8	82	134	214	31	15	5.1	1.3	0.5	0.3	8
9	0.2*	0.8	2.3	1,660	127	200	31	15	6.1	1.3	0.4	0.3	9
10	0.2	0.6	6.8	810	121	213	30 *	14	5.8	1.3	0.4	0.3	10
11	0.2	0.6	37	334	119	166	29	13	4.3	1.1	0.4	0.2	11
12	0.2	0.7*	201	300	171	149	28	14	3.8	1.1	0.4	0.2	12
13	0.1	0.8	143	846 *	879	133	28	14	3.8	1.1	0.4	0.2	13
14	0.2	0.8	36	3,270	401	118	28	12	3.5	1.0*	0.4	0.2	14
15	4.6	0.9	27	857	250	110	29	12	4.3	1.0	0.4	0.2	15
16	5.1	1.0	18	3,750 *	505	101	29	11	4.3	0.9	0.4	0.2	16
17	2.7	1.1	15	1,530	651 *	92	29	10	3.3*	0.9	0.4	0.2	17
18	1.7	1.0	19	620	360	87	26	9.5	2.9	0.8	0.4	0.2	18
19	1.0	0.9	621	598	261	82	25	10	2.9	0.8	0.4	0.2	19
20	0.7	0.9	1,440	1,190	218	75	23	11	2.7	0.7	0.4	0.2	20
21	0.6	1.0	1,420	5,120	187	72	23	10	2.3	0.7	0.4	0.2	21
22	0.5	1.0	286	2,180 *	166	68	23	9.1	2.3	0.7	0.4	0.2	22
23	0.5	1.2	1,450	3,380	152	64	22	8.7	2.1	0.6	0.4	0.2	23
24	0.5	1.3	2,390	3,180	142	61	21	8.3	2.2	0.6	0.4	0.2	24
25	0.5	1.3	399	977	131	56	21	7.9	2.4	0.5	0.4	0.2	25
26	0.5	1.3	207	644	123	53	20	7.5	2.1	0.5	0.3	0.2	26
27	0.5	1.3	138	1,290	115	49	21	7.5	2.0	0.5	0.3	0.2	27
28	0.5	1.3	103	583	125	48	20	7.1	2.2	0.5	0.3	0.2	28
29	0.5	1.3	83	423		46	19	6.8	2.1	0.5	0.3	0.2	29
30	0.4	1.3	70	339		43	18	6.4	2.0	0.5	0.3	0.2	30
31	0.4		61	278		40		6.1		0.5	0.3		31
MEAN	0.7	0.9	296	1,115	236	158	27.5	11.5	3.6	1.0	0.4	0.2	MEAN
MAX.	5.1	1.4	2,390	5,120	879	707	39.0	18.0	6.1	1.9	0.5	0.3	MAX.
MIN.	0.1	0.3	1.3	39.0	115	40.0	18.0	6.1	2.0	0.5	0.3	0.2	MIN.
AC. FT.	46	56	18218	68557	13107	9729	1638	708	217	60	25	14	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
155.2	11600	16.65	01	23	2215	0.1	2.46	10	02	0145	112375

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 37 48	122 19 52	SW 17 9N 4W	18,000 E	19.79	1-31-1963	DEC 1960-DATE	DEC 1960-DATE	1960		0.00	LOCAL

Station located 5.2 miles east of Pope Valley. Tributary to Lake Berryessa. Drainage area is 78.3 square miles.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A09115	PUTAH CREEK, SOUTH FORK, NEAR DAVIS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.3 *	0.3 *	0.4 *	29 *	5,340 *	1,740 *	78 *	44 *	25 *	16	9.2	1.9 *	1
2	0.3	0.2	0.3	29	4,780	1,830	70	34	33	12	6.3	0.2	2
3	0.7	0.3	0.3	30	4,120	1,810	60	36	28	12	2.5	0.3	3
4	0.5	0.3	0.3	31	3,530	1,970	61	48	19	14	4.2	0.2	4
5	0.3	0.4	0.3	30	1,900	1,710	64	41	15	12	6.7	0.1	5
6	0.3	0.3	0.2	30 *	1,770	561	62	36	17	12	4.4	0.1	6
7	0.8	0.3	0.2	31	1,630	649	61	42	27	10	6.1	0.1	7
8	1.6	0.2	0.3 *	33	1,560	792	62	30	27	19	18	0.3	8
9	1.4	0.2	0.3	262	1,490	867 *	69	30	32	19	13	0.3	9
10	1.9	0.3 *	0.3	900	1,390	895	66	28	27	16	14	1.4	10
11	1.6	0.3	0.4	67	1,340	942	58	24	23	12	8.5	9.0	11
12	0.7	0.3	0.4	48 *	1,610	937	60	25	32	6.5	13	1.9	12
13	0.4	0.3	0.2	41	2,870 *	1,200	63	46	22	6.7	9.7	3.4	13
14	1.3 *	0.3	0.2	1,820	3,280	2,400	72	50	21	6.9	11	8.0	14
15	1.0	0.2	0.4	1,430	3,150	2,230	68 *	50 *	20	3.4	4.4	4.8	15
16	0.3	20	0.3	4,200	2,930	2,080 *	58	37	24	8.2	1.9	1.3	16
17	0.3	32 *	0.3	5,990	3,170 *	1,940	59	39	22	7.3	1.8	1.9	17
18	0.1	33	2.8	6,040	3,200	1,920	52	38	25	10	2.8	0.8	18
19	0.1	36	44	5,570	3,030	1,500	53	33	23	3.0	4.4	0.5	19
20	0.3	19	62	5,750	2,810	806	56 *	31	29	5.7	2.0	0.5	20
21	0.3	7.2	76	8,850	2,630	651	56	31	25	8.5	2.6	0.3	21
22	0.3	6.6	56	10,700	2,440	401	50	29	20	6.9	4.4	0.3	22
23	0.3	7.3	34 *	11,000 *	2,300	311	49	28	26	2.8	7.6	0.4	23
24	0.3	7.8	93	14,200	2,170 *	163 *	42	29	26	5.4	5.0	0.3	24
25	5.8	7.6	64	13,400 *	2,060	115	46	32	29	8.5	5.0	0.4	25
26	22	7.4 *	14	11,700	1,670	112	56	35	27	6.3	5.2	0.2	26
27	28 *	4.3	11	11,400	1,810	104	66 *	30	24	9.5	5.7	0.2	27
28	18	0.5	11	10,200	1,800	91	66	22	28	14	9.0	0.4	28
29	1.7	0.1	11	8,760		88	54	18	26	12	8.5	0.5	29
30	0.3	0.1	11	7,470		89	48	19	28 *	20	9.2	0.5	30
31	0.3		10	6,410		89		23		24	14		31
MEAN	3.0	6.4	16.3	4,724	2,564	1,000	59.5	33.5	25.0	10.6	7.1	1.4	MEAN
MAX.	28	36	93	14,200	5,340	2,400	78	50	33	24	18	9.0	MAX.
MIN.	0.1	0.1	0.2	29	1,340	88	42	18	15	2.8	1.8	0.1	MIN.
AC. FT.	181	383	1,001	290,500	142,400	61,470	3,540	2,059	1,488	655	436	80	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
696	14,700	18.48	1	24	1200	0.0		10	1	0000	504,200

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 31 02	121 45 21	NE 28 8N 2E	14,700	18.48	1-24-1970	OCT 1957-DATE	OCT 1957-DATE	1957		24.57	USCGS

Station located at Low Water bridge, 0.8 mile below U. S. Highway 40 bridge, 2.3 miles southwest of Davis. Tributary to Yolo Bypass. Operation of station turned over to USBR on October 1, 1968.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A02935	YOLO BYPASS NEAR WOODLAND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	18 *	10	6.1	9,940	113,000	3,020	213 *	16 *	8.4	0.1	0.0	56 *	1
2	18	10	6.1	5,260	95,300	3,180	206	26	8.4	0.2	10	52	2
3	18	10	6.1	2,320	83,100	2,770	185	51	7.2	0.2	29	50	3
4	17	9.0	6.6	1,250	71,600	2,850	176	36	8.4 *	0.2	31	56	4
5	16	11	9.0	960	60,000	4,660 *	158	11	9.6	0.1	31	68	5
6	16	12	16	732	51,400	4,620	145	0.0	10	0.0	17	62	6
7	17	10	11	560	44,500	4,260	136	0.0	10	0.0	3.3	60	7
8	17	12	9.6	486	35,800	3,620	90	0.0	11	0.0	0.6	51	8
9	17	12	8.4	598	30,500	2,600	55	2.1	11	0.0	3.0	44	9
10	21	11	5.6	4,840	27,000*	2,670	40	3.3	4.1	0.0	5.6	40	10
11	118	12	5.8	5,590	23,500	2,590	30	4.1	0.0	0.0	6.6	34	11
12	69	12	6.0	4,200	20,400	2,430	21	8.4	0.0	0.0	6.1	25	12
13	36	16	6.0	3,820	18,500	2,230	23	18	0.0	0.0	5.6	19	13
14	31	30 *	6.6	8,230	21,800	2,080	28	24	0.0	0.0	17	10	14
15	30	21	7.2 *	45,800	22,800	1,980	33	4.1	0.0	0.0	36	9.0	15
16	30	26	8.4	79,100	21,100	1,800	39 *	0.6	0.0	0.0	29	9.6	16
17	25	20	30	126,000	18,600	1,750	44	1.5	0.0	0.0	25	10	17
18	23	18	58	135,000	18,800	1,590	30	1.5	0.0	2.4	18	14	18
19	13	22	72	130,000	16,100	1,510	17	1.5	0.0	13	15	13	19
20	12	25	246	128,000 *	11,900	1,420	27	1.8	1.0	20	13	14	20
21	10	25	1,760	126,000	7,630	1,370	5.1	2.4	15	25	3.7	34	21
22	9.6	23	3,200	172,000	5,470	1,350	3.3	5.1	31	42	0.0	50	22
23	10	23	3,340 *	173,000	4,310	1,230	16	17	39	40 *	0.6	56	23
24	11	13	4,340	190,000	3,800	1,130	19	44	29	25	1.8	63	24
25	11	7.8	25,500	217,000	3,580	982	26	35	23	7.4	2.7	63	25
26	11	6.1	38,100	224,000 *	3,480	616	48	32	22	0.0	9.0	62	26
27	11	6.1	35,100	208,000	3,420	380	23	30	6.2	0.0	25	62	27
28	10	6.1	29,600	196,000	3,120	302	7.2	25	0.0	0.0	24	60	28
29	9.6	6.1	23,000	174,000		257	21	19	0.0	0.0	25	58	29
30	9.6	6.1	18,000	164,000		227	32	7.8	0.0	0.0	38	62	30
31	10		13,600 *	144,000		220		6.1		0.0	62		31
MEAN	21.8	14.4	6,325	86,470	30,020	1,990	63.2	14.0	8.5	5.7	15.9	42.2	MEAN
MAX.	118	30	38,100	224,000	113,000	4,660	213	51	39	42	62	68	MAX.
MIN.	9.6	6.1	5.6	486	3,120	220	3.3	0.0	0.0	0.0	0.0	9.0	MIN.
AC. FT.	1,340	855	388,900	5,317,000	1,667,000	122,400	3,760	861	504	348	979	2,510	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
10,370	228,000	30.90	1	25	2300	0.0		5	6		7,507,000

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 40 40	121 38 35	SE 28 10N 3E	272,000	32.00	2-8-1942	MAR 30-OCT 38 ö	1940-1941 #	1930	1941	0.73	USED
						JAN 1939-DATE	1941-DATE	1941		0.00	USED
								1941		-3.41	USCGS

Station located just above the Sacramento-Woodland Railroad bridge, 6 miles above the Sacramento Bypass, 7 miles below Fremont Weir, 7 miles east of Woodland. Supplementary water stage recorder, located 7 miles downstream, used for computations during periods of low flow. Stage-discharge relationship at supplementary recorder location at times affected by tidal action. Records furnished by U. S. Geological Survey

ö - Irrigation season only.
- Flood season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	B07020	SAN JOAQUIN RIVER NEAR VERNALIS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	4,670	4,920	4,360	4,840	13,300	7,130	2,800	1,660	2,500 *	2,920 *	968	1,220	1
2	4,420	4,890	4,430	4,910	11,410	7,360	2,250	1,590	2,780	2,320	1,030	1,090 *	2
3	4,360	4,880	4,650	4,660	10,300 *	9,040 *	1,960	1,620	3,150	2,130	1,110	1,070	3
4	4,460	4,730	4,560	4,100	9,680	9,800	1,860	1,630 *	3,780	1,950	1,050	1,090	4
5	4,560	4,670	4,390	3,950 *	9,870	10,200	1,720	1,490	3,880	1,780	950	1,210	5
6	4,620	4,830	4,200	3,950	9,870	11,300	1,650 *	1,530	3,700	1,650	1,030 *	1,320	6
7	4,590	5,030	4,080	4,210	9,570	11,700	1,670	1,680	3,070	1,600	1,010	1,380	7
8	4,490	5,040	4,020	3,990	9,300	11,700	1,680	1,630	2,420	1,430	980	1,220	8
9	4,110	4,970	4,010	4,030	9,150	11,900	1,590	1,810	2,080	1,270	1,040	1,080	9
10	3,770	4,880	4,010	4,100	9,180	11,800	1,550	2,110	2,390	1,250	1,070	1,030	10
11	3,620	4,860	3,930	4,040	9,360	11,200	1,500	2,350	3,510	1,240	962	1,080	11
12	3,470	4,890	3,910	3,880	9,360	10,400	1,540	2,420	3,770	1,270	908	1,260	12
13	3,400 *	4,850	3,930	3,880	9,230	9,120	1,680	2,490	3,200	1,380	920	1,340	13
14	3,340	4,910	3,770	4,080	9,260	8,200	1,760	2,510	3,470	1,330	950	1,380	14
15	3,730	5,150	3,640	4,630	8,840	7,550	1,690	2,470	3,580	1,150	926	1,370	15
16	4,230	5,100	3,590 *	6,720	8,580	7,000	1,680	2,520	2,630	1,120	986	1,260	16
17	4,360	4,850	3,590	8,220	8,390	6,510	1,650	3,110	1,980	1,090	1,080	1,260	17
18	4,270	4,400 *	3,560	12,200	8,340	5,600	1,630	3,540	1,620	1,110	1,060	1,300	18
19	4,420	4,300 *	3,560	17,400	8,530	5,310	1,600	3,600	1,380	1,120	962	1,420	19
20	4,440	4,280	3,580	18,200 *	8,890	5,050	1,590	3,640	1,220	1,130	968	1,510	20
21	4,420	4,250	3,480	18,400	9,020	5,070	1,450	3,490	1,230	1,020	956	1,590	21
22	4,640	4,210	3,430	18,700	9,000	4,860	1,380	3,060	1,500	902	1,010	1,510	22
23	4,670	4,230	3,310	24,000	8,750	4,770	1,330	2,320	2,140	920	1,040	1,440	23
24	4,890	4,060	3,380	24,000	8,370	4,650	1,370 *	2,010	2,990	950	1,210	1,410	24
25	5,060	3,820	3,550	21,200	8,100	4,450	1,470	2,500	2,700	974	1,230	1,360	25
26	5,220	4,110	4,100	20,200	8,010	4,050	1,590	2,690	2,810	1,080	1,140	1,410	26
27	5,320	4,410	4,510	19,700	7,970	3,700	1,690	2,570	2,990	1,150	1,140	1,520	27
28	5,310	4,500	4,660	19,400	7,730	3,450	1,650	2,460	2,440	1,130	1,130	1,550	28
29	5,290	4,430	4,690	18,900		3,300	1,590	2,430	3,040	1,000	1,170	1,480	29
30	5,100	4,380	4,710	17,900		3,270	1,610	2,610	3,160	944	1,140	1,420	30
31	4,980		4,770	16,200		3,130		2,650		926	1,250		31
MEAN	4,462	4,628	4,012	11,120	9,191	7,180	1,673	2,393	2,704	1,330	1,044	1,319	MEAN
MAX.	5,320	5,150	4,770	24,000	13,300	11,900	2,800	3,640	3,880	2,920	1,250	1,590	MAX.
MIN.	3,340	3,820	3,310	3,880	7,730	3,130	1,330	1,490	1,220	902	908	1,030	MIN.
AC. FT.	274,400	275,400	246,700	683,500	510,500	441,500	99,530	147,200	161,000	81,790	64,220	78,510	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
4,232	25,900		1	23	1930	902		7	22	1025	3,064,000

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 40 34	121 15 51		79000	32.81	12-9-1950	JUL 22-DEC 23 δ	JUL 22-DEC 23 δ	1931	1959	5.06	USCGS
						JAN 24-FEB 25	JAN 24-FEB 25	1959		0.00	USCGS
						JUN 25-OCT 28 δ	JUN 25-OCT 28 δ	1959		3.3	USED
						MAY 29-DATE	MAY 29-DATE				

Station located 30 feet above the Durham Ferry Highway bridge, 3 miles below the Stanislaus River, 3.4 miles northeast of Vernalis. Maximum discharge listed at site then in use and present datum. Records furnished by USGS. Drainage area is 13,540 square miles.

δ - Irrigation season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	B02920	DUCK CREEK DIVERSION NEAR FARMINGTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1				0.0		0.0							1
2				0.0		0.0							2
3				0.0		0.0							3
4				0.0		70							4
5				0.0		20							5
6				0.0		0.0							6
7				0.0		0.0							7
8				0.0		0.0							8
9				0.0		0.0							9
10	N	N	N	0.0	N	0.0	N	N	N	N	N	N	10
11	O	O	O	0.0	O	0.0	O	O	O	O	O	O	11
12				0.0		0.0							12
13				0.0		0.0							13
14				343		0.0							14
15	F	F	F	12	F	0.0	F	F	F	F	F	F	15
16	L	L	L	164	L	0.0	L	L	L	L	L	L	16
17				19		0.0							17
18	O	O	O	0.0	O	0.0	O	O	O	O	O	O	18
19				0.0		0.0							19
20	W	W	W	0.0	W	0.0	W	W	W	W	W	W	20
21				354		0.0							21
22				0.0		0.0							22
23				0.0		0.0							23
24				0.0		0.0							24
25				0.0		0.0							25
26				0.0		0.0							26
27				0.0		0.0							27
28				0.0		0.0							28
29				0.0		0.0							29
30				0.0		0.0							30
31				0.0		0.0							31
MEAN				28.8		3.0							MEAN
MAX.				354		70							MAX.
MIN.				0.0		0.0							MIN.
AC. FT.				1,770		179							AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
2.7	1,110		1	14		0.0		10	1	0000	1,949

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 56 18	120 59 21	NE 16 1N 9E	3690	7.65	4-2-1958	SEPT 1951-DATE	SEPT 1951-DATE	1951		105.0	USGS

Station located 1.0 mile northeast of Farmington. Flows are diversions from Duck Creek to Littlejohn Creek. Records furnished by USCE. Drainage area is 28 square miles.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	B02870	LITTLEJOHN CREEK AT FARMINGTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3.0	0.4	0.0	14	140	287	14	14	18	14	4.4	8.0	1
2	1.5	0.4	0.0	13	112	636	13	12	14	8.4	5.0	10	2
3	0.8	0.3	0.0	11	104	767	14	13	12	8.0	3.8	8.8	3
4	0.5	0.3	0.0	9.6	91	710	14	22	12	9.2	3.7	12	4
5	0.5	0.2	0.0	7.4	76	733	17	25	14	10	4.4	15	5
6	2.8	0.4	0.0	7.4	69	809	17	27	14	11	6.0	14	6
7	1.1	1.6	0.0	6.6	60	790	13	21	14	10	6.6	10	7
8	0.8	14	0.0	5.0	52	764	12	22	14	10	7.4	6.0	8
9	2.5	7.6	0.0	4.4	44	717	17	18	12	10	6.6	4.2	9
10	1.1	6.4	3.1	4.0	40	646	21	20	14	10	5.2	6.0	10
11	0.4	3.5	8.8	3.5	41	292	17	21	16	6.8	6.2	6.6	11
12	0.9	1.6	9.6	16	35	161	18	19	19	5.6	5.4	7.4	12
13	1.7	0.9	11	51	35	116	20	19	17	6.6	3.6	14	13
14	2.5	0.6	11	606	41	102	23	20	17	4.2	4.2	14	14
15	18	0.5	12	1,090	78	85	20	22	20	4.8	7.0	8.0	15
16	31	0.4	12	1,540	96	76	23	22	19	5.4	7.2	10	16
17	41	0.3	13	1,550	86	66	27	20	19	8.0	7.2	10	17
18	51	0.1	13	1,740	245	56	26	21	17	8.0	6.6	9.2	18
19	38	0.0	14	1,730	220	51	29	14	17	7.0	7.8	8.4	19
20	28	0.0	14	766	162	42	25	14	14	7.0	8.8	10	20
21	17	0.0	13	1,030	102	38	28	18	12	5.6	6.0	7.6	21
22	9.6	0.0	12	1,330	85	29	24	16	11	4.6	4.0	7.6	22
23	6.8	0.0	8.8	1,780	74	30	21	13	10	4.4	3.9	7.2	23
24	4.6	0.0	14	1,110	60	29	19	14	13	7.0	4.0	6.2	24
25	3.2	0.0	17	686	49	26	14	18	10	6.0	2.7	5.8	25
26	2.0	0.0	39	436	41	23	12	20	7.4	5.6	4.0	5.0	26
27	1.5	0.0	82	332	40	16	14	22	7.6	5.0	6.2	5.2	27
28	1.0	0.0	61	446	34	14	14	21	7.4	5.0	6.0	6.2	28
29	0.8	0.0	37	303		16	13	20	8.0	4.6	4.4	7.0	29
30	0.6	0.0	23	218		17	14	20	10	4.8	5.4	6.4	30
31	0.4		17	182		14		19		5.0	7.6		31
MEAN	8.9	1.3	14.4	549	82.6	263	18.4	18.9	13.6	7.1	5.5	8.5	MEAN
MAX.	51	14	82	1780	245	809	29	27	20	14	8.8	15	MAX.
MIN.	0.4	0.0	0.0	3.5	34	14	12	12	7.4	4.2	2.7	4.2	MIN.
AC. FT.	545	78	883	33,770	4,590	16,180	1,100	1,160	812	440	340	507	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
83.4	1,880		1	16		0.0		11	19		60,408

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 55 38	121 00 08	NE 20 1N 9E	3590	15.40	4-3-1958	JUNE 1952-DATE	JUNE 1952-DATE	1952		89.97	USCGS

Station located 340 feet below Farmington-Escalon Highway bridge. Flows entering Littlejohn Creek via Duck Creek Diversion are included. Flow regulated by Farmington Reservoir. Records furnished by USCE.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	B02805	FRENCH CAMP SLOUGH NEAR FRENCH CAMP

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	74	7.2	1.7	32	121	75	34	65	47	44	0.3	41	1
2	77	5.5	2.2	30	100	792	29	53	41	15	3.3	74 *	2
3	81	4.1	3.2 *	29	84	853	24	58	18	11	4.4	67	3
4	70	3.7	2.2	27	75	707	35	81 *	11	25	15	67	4
5	62	5.9	2.2	25	64	936	67	81	24	27	16	69	5
6	61	10 *	1.8	24	51	943	60	89	51	27	20	85	6
7	77 *	22	1.6	22	43	834	52	92	65	4.7	23	92	7
8	78	13	1.5	20	39	774	66	105	75	3.5	24	95	8
9	90	13	1.4	19	34	729	103	110	60	9.8	22	98	9
10	100	11	3.6	23	31	666	85	118	65	21	26	90	10
11	97	9.1	2.6	21	29	401	70	95	76	28	24	77	11
12	96	6.8	6.5	22	25	191	53	80	105	34	15	77	12
13	76	6.2	11	52	25	137 *	63	84	96	31	20	86	13
14	97	5.4	13	307	28	109	102	103	85	30	11	110	14
15	118	5.2	12	1,310	52	89	115	68	87	26	11	111	15
16	171	4.7	13	1,980	72	73	94	70	51	18	48	93	16
17	105	4.0	13	1,780	61	59	96	43	50	6.5	39	87	17
18	54	4.0	14	1,860	159	50	94	39	31	0.1	15	88	18
19	36	3.9	16	1,860	216	42	77	55	36	4.0	20	76	19
20	27	4.1	21	1,100 *	150	36	75	60	23	17	15	87	20
21	22	3.7	22	1,060	107	30	95	58	28	37	18	132	21
22	20	3.4	57	1,580	79	27	77	58	32	20	45	NR	22
23	13	2.9	48	1,900	61	25	80	70	49	13	44	NR	23
24	12	2.7	26	1,400	49	24	68	58	32	15	44	NR	24
25	12	2.5	25	809	41	24	56	69	35	19	48	NR	25
26	8.8	2.8	35	457	36	48	43	58	37	14	42	NR	26
27	8.7	2.3	53	369	31	40	60	52	47	12	25	NR	27
28	11	1.8	60	339	28	31	74	70	27	24	42	NR	28
29	8.4	1.5	43	289 *		42	69	41	39	6.0	59	NR	29
30	7.0	1.7	31	204		49	72	47	48	0.9	39	NR	30
31	7.5		24	152		39		53		4.7	44		31
MEAN	57.3	5.8	18.3	616	67.5	286	69.6	70.4	49.0	17.7	26.5	NR	MEAN
MAX.	171	22	60	1,980	216	943	115	118	105	44	59	NR	MAX.
MIN.	7.0	1.5	1.4	19	25	24	24	39	11	0.1	0.3	NR	MIN.
AC. FT.	3,525	345	1,126	37,888	3,751	17,603	4,141	4,330	2,918	1,087	1,630	NR	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	2,160	10.00	1	16	0530	0.0		7	17	1445	NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 52 52	121 14 53	NE 6 1S 7E	3,390	6.31	12-9-1950	JAN 50-MAY 50 OCT 50-DATE	JAN 50-MAY 50 OCT 50-DATE	1950 1955	1955	0.00 4.00	LOCAL LOCAL

Station located at Airport Way bridge, 1.5 miles east of French Camp. During periods when backwater from a temporary diversion dam affects the stage-discharge relationship, a supplementary water stage recorder, located 0.5 mile downstream on the bypass, is used for computations. Tributary to San Joaquin River. Maximum discharge listed at site and datum then in use.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	B02835	DUCK CREEK NEAR STOCKTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3.1	0.3	0.0	0.0	1.7	2.8	0.1	5.8	3.9	0.7	6.3	6.6	1
2	2.8	0.2	0.0	0.0	1.0	157	1.0	6.1	3.5	0.6	5.9	8.4	2
3	2.1	0.6	0.0	0.0	0.6	34	3.9	5.9	8.5	0.8	2.4	9.9	3
4	2.2	0.3	0.0	0.0	0.3	21	4.0	3.6	7.5	0.8	3.2	8.8	4
5	1.9	0.9	0.0	0.0	1.1	149	4.7	2.7	6.2	1.6	4.1	8.3	5
6	1.6	1.1	0.0	0.0	0.1	44	4.0	3.8	6.0	2.6	7.7	3.8	6
7	2.6	0.3	0.0	0.0	0.1	15	6.0	7.6	6.3	2.9	6.2	3.0	7
8	4.2*	0.0	0.0	0.0	0.1	9.8	1.5	7.2	6.8	2.8	4.4	3.9	8
9	3.8	0.0	0.1	0.3	0.0	4.9	3.4	8.8	5.7	3.6	5.4	4.3	9
10	2.6	0.0	0.1	0.3	0.1	3.0	4.0	6.7	6.5	5.5	5.0	5.0	10
11	2.5	0.0	0.1	0.1	0.0	3.3	9.3	5.6	6.9	6.0	4.2	5.6	11
12	3.0	0.0	0.1	0.1	0.0	9.5	6.4	5.4	7.0	4.0	5.0*	6.3	12
13	2.9	0.1	0.1	0.2	0.4	5.4	4.5	4.5	6.2	3.2	4.4	5.7	13
14	2.4	0.1	0.0	15	0.2	2.5	3.6	4.3	5.4	2.3	3.4	7.5	14
15	4.3	0.1	0.0	135	0.0	1.6	2.6	4.7	3.5	3.7	5.4	9.0	15
16	5.6	0.1	0.0	155	0.0	1.0	2.5	5.6	1.8	5.7	5.3	8.2	16
17	4.0	0.1	0.0	151	0.2	0.3	4.0	3.9	2.0	6.2	6.7	6.9	17
18	3.7	0.1	0.0	52	0.1	0.1	4.9	3.8	1.3	4.4	7.1	9.5	18
19	2.3	0.0	0.4	18	0.0	0.1	3.5	3.2	0.4	4.2	6.3	8.4	19
20	1.4	0.0	1.4	11	0.3	1.1	1.9	5.6	1.8	3.7	7.8	8.3	20
21	3.3	0.0	1.0	233	1.6	0.1	2.8	6.5	2.2	5.3	7.8	7.9	21
22	0.4	0.0	0.2	180	0.8	0.0	2.6	6.8	4.3	4.6	6.6	9.1	22
23	0.5	0.0	0.0	43	0.4	0.0	5.9	7.3	5.4	4.1	8.2	9.4	23
24	0.4	0.0	0.0	28	0.3	0.0	7.6	7.9	5.1	4.6	9.0	7.3	24
25	0.1	0.0	0.1	40	0.1	0.0	5.6	7.7	4.7	5.3	6.9	7.0	25
26	0.3	0.0	0.1	15	0.1	0.0	6.1	5.9	6.6	5.9	6.0	6.6	26
27	0.1	0.0	0.0	10	0.0	0.0	5.5	6.4	1.7	4.0	9.2	5.9	27
28	0.0	0.0	0.0	7.2	0.0	0.0	5.2	5.8	0.7	4.2	13	4.0	28
29	0.0	0.0	0.0	6.8		0.0	4.3	4.8	1.1	5.3	11	6.8	29
30	0.1	0.0	0.0	8.0		0.0	3.7	5.1	1.4	3.6	8.2	8.3	30
31	0.2		0.0	3.9		0.0		4.3		4.0	6.2		31
MEAN	2.1	0.1	0.1	35.9	0.3	15.0	4.2	5.6	4.3	3.7	6.4	7.0	MEAN
MAX.	5.6	1.1	1.4	233	1.7	157	9.3	8.8	8.5	6.2	13.0	9.9	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.7	0.4	0.6	2.4	3.0	MIN.
AC. FT.	128	9	7	2207	19	923	248	344	259	230	393	416	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
7.2	452	5.39	01	21	2045	0.0	1.89	10	28	0830	5184

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 55 30	121 15 02	NE 35 1N 7E	477	5.49	1-25-1969	JAN 50-APR 50	JAN 50-APR 50	1950	1953	0.00	LOCAL
						OCT 50-APR 51	OCT 50-APR 51	1953	1957	0.00	LOCAL
						OCT 51-DATE	OCT 51-DATE	1957	1965	0.00	LOCAL
								1965		0.00	LOCAL

Station located 35 feet below B Street bridge, immediately south of Stockton. Prior to November 10, 1965, station located at Laurel Avenue, 0.2 mile upstream from present location. Tributary to San Joaquin River via French Camp Slough. During high flow, water from Duck Creek enters Mormon Slough approximately 2 miles east of the head of Stockton Diverting Canal. Discharge listed does not include this overflow. Flow regulated by gravity culverts which divert to Littlejohn Creek. Maximum discharge listed at site and datum then in use.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	802520	CALAVERAS RIVER NEAR STOCKTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	9.8	9.3	0.0	0.3	28	62	0.0	25	3.0	13	26	28	1
2	6.9	5.9	0.0	3.7	27	149	0.0	16	4.7	8.6	29	20	2
3	3.9	1.6	0.5*	5.3	28	41	0.0	24	3.6	2.5	19	15	3
4	3.5	1.0	5.2	5.2	28	42	0.0	19	13	25	6.9	11	4
5	2.2	0.0	6.0	4.7	24	117	0.0	7.9	14	25	2.2	15	5
6	1.9	0.0	6.7	4.5	18	24	0.0	2.9	9.9	15	19	27	6
7	1.7*	0.0	7.1	4.9	18	38	0.0	14	9.7	20	20	19	7
8	1.6	0.0	7.8	5.0	24	41	0.3	24	7.1	8.5	29	16	8
9	1.5	0.0	8.7	1.7	22	45	0.9	22	23	11	37	16	9
10	7.5	0.0	8.4	0.6	22	38	11	19	15	13	31	9.5	10
11	2.0	0.0	7.9	0.3	21	35	19	14	4.7	17	9.7	15	11
12	0.3	0.0	5.2	0.2	21	33	19	15	2.8	25	7.7	19	12
13	1.0	0.0	0.1	0.2	22	28	19	15	4.2	30	11 *	16	13
14	0.0	0.0	0.0	33	25	19	17	12	31	18	9.4	9.7	14
15	0.1	0.0	0.0	66	19	12	6.1	13	23	7.2	9.3	7.4	15
16	0.0	0.0	14	43	15	10	21	6.4	9.9	15	21	8.1	16
17	0.0	0.0	13	46	26	8.3	28	16	2.6	19	14	11	17
18	0.0	0.0	14	49	51	8.6	18	17	11	11	9.8	19	18
19	0.0	0.0	15	53	43	7.3	12	7.5	19	12	8.4	16	19
20	0.0	0.0	18	56	31	6.6	7.5	12	23	13	31	8.7	20
21	0.0	0.0	18	106	14	6.1	3.9	23	42	7.4	43	3.2	21
22	0.0	0.0	14	73	11	5.8	2.1	25	28	5.7	26	6.1	22
23	0.0	0.0	21	17	9.8	5.4	7.7	21	23	15	20	7.3	23
24	0.0	0.0	18	6.4	9.3	5.0	11	15	16	16	12	21	24
25	0.0	0.0	23	8.1	8.8	4.5	16	12	17	15	17	9.1	25
26	0.0	0.0	29	37	8.6	4.1	27	16	15	27	8.0	5.6	26
27	0.0	0.0	23	57	8.2	3.8	24	9.7	15	13	6.0	4.1	27
28	0.0	0.0	16	55	8.2	1.5	4.3	7.0	25	2.1	15	6.3	28
29	0.0	0.0	9.2	41		0.0	6.1	11	23	16	28	4.3	29
30	6.8	0.0	4.5	35		0.0	26	11	12	36	28	4.2	30
31	7.9		1.8	30		0.0		8.8		35	24		31
MEAN	1.9	0.6	10.2	27.4	21.1	25.8	10.2	14.9	15.0	16.0	18.6	12.6	MEAN
MAX.	9.8	9.3	29.0	106	51.0	149	28.0	25.0	42.0	36.0	43.0	28.0	MAX.
MIN.	0.0	0.0	0.0	0.2	8.2	0.0	0.0	2.9	2.6	2.1	2.2	3.2	MIN.
AC. FT.	116	35	625	1682	1172	1589	609	915	893	986	1145	749	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
14.5	322	7.24	03	02	0200	0.0	3.04	10	13	2245	10516

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 01 14	121 13 45	SE 17 2N 7E	760 E	12.61	1- 6-1965	DEC 1948-DATE	DEC 1948-DATE	1948	1949	0.00	LOCAL
								1949	1950	0.00	LOCAL
								1950	1952	0.00	LOCAL
								1952	1955	2.00	LOCAL
								1955	1959	0.00	LOCAL
								1959	1965	0.00	LOCAL
								1965		0.00	LOCAL

Station located below Solari Road bridge, 5 miles northeast of Stockton. Prior to October 28, 1965, station located 0.5 mile above U. S. Highway 99 bridge, 1.5 miles downstream from present location. Flows are regulated by diversion dam at Bellota operated by Stockton East San Joaquin Water Conservation District. Maximum discharge listed at site and datum then in use.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	802560	MORMON SLOUGH AT BELLOTA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1		NR	0.0	0.0	520	1,610	23						1
2		NR	0.0	0.0*	516 *	905	16 *						2
3		NR	0.0*	0.0	494	1,950	12						3
4		0.0	0.0	0.0	375	2,550	18						4
5		0.0	0.0	0.0	139 *	2,600	23						5
6		0.0	0.0	0.0	73	2,270	23						6
7		0.0	0.0	0.0	59	2,200	NR						7
8		0.0	0.0	0.0	53	2,270	NR						8
9		0.0	0.0	0.0	48 *	2,220	NR						9
10	N	0.0	0.0	0.0	44	2,170	NR	N	N	N	N	N	10
11	O	0.0	0.0	0.0	43	2,120	NR	O	O	O	O	O	11
12		0.0	0.0	0.0	41	1,770	NR						12
13		0.0	0.0	NR	64	876	NR						13
14		0.0	0.0	NR	228	128	NR						14
15	R	0.0	0.0	537	193	66	NR	R	R	R	R	R	15
16	E	0.0	0.0	1,120	173	50	NR	E	E	E	E	E	16
17		0.0	0.0	2,030 *	547	42	NR						17
18	C	0.0	0.0	3,590 *	1,110	39	NR	C	C	C	C	C	18
19		0.0	0.0	4,990 *	995	38	NR						19
20	O	0.0	0.0	5,120	202	34	NR	O	O	O	O	O	20
21	R	0.0	0.0	6,560 *	76	32	NR	R	R	R	R	R	21
22		0.0	0.0	5,530	59	31	NR						22
23	D	0.0	0.0	5,240	51	30	NR	D	D	D	D	D	23
24		0.0	0.0	5,280	46	28	NR						24
25		0.0	0.0	5,120	42	27	NR						25
26		0.0	0.0	4,970	39	25	NR						26
27		0.0	0.0	4,650	38	27	NR						27
28		0.0	0.0	2,010	36	33	NR						28
29		0.0	0.0	956 *		34	NR						29
30		0.0	0.0	680		32	NR						30
31			0.0	533		29							31
MEAN			0.0		225	846							MEAN
MAX.	0.0	0.0	0.1	0.0	1,110	2,600	0.0	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.1	0.0	36.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.					12504	52038							AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	7,700	11.47	1	21	1600	NR					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 03 10	121 00 37	SW 5 2N 9E				DEC 1948-DATE	DEC 1948-DATE	1948	1952	0.00	LOCAL
								1952		0.00	LOCAL

Station located 0.2 mile above Farmington-Bellota Highway bridge, 0.2 mile east of Bellota. Flow regulated by Hogan Reservoir. During irrigation season, flow is reregulated by boards placed across diversion dam immediately downstream which control division of water between the Calaveras River and Mormon Slough. This is flow from Calaveras River which is returned to the river via Stockton Diverting Canal. Flows are computed for the period when boards are not placed across diversion dam.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	B02580	STOCKTON DIVERTING CANAL AT STOCKTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.7	0.0	0.0	0.0	490	950	12	3.0	0.2	0.3	5.7	21	1
2	1.3	0.0	0.0	0.0*	471 *	1,350	7.7	12	0.1	0.2	1.0	17	2
3	0.9	0.0	0.0*	0.0	432	1,330	3.5	1.0	0.0	0.2	0.9	3.5	3
4	0.8	0.0	0.0	0.0	316	1,840	0.6	0.8*	0.0	0.2	1.0	1.7	4
5	2.7	0.0	0.0	0.0	175 *	2,350	3.3	0.4	0.0	0.2	1.3	19	5
6	11	0.1	0.0	0.0	103	1,770	9.7	0.2	0.2	2.4	0.9	22	6
7	60	0.4*	0.0	0.0	97	1,670	7.2	0.2	0.3	1.8	2.4	17	7
8	11	0.3	0.0	0.0	92	1,740	3.6*	0.3	0.4	0.8	13	2.5	8
9	3.1	0.1	0.0	0.0	86	1,710	0.1	0.3	0.3	2.1	1.6	1.8	9
10	1.9	0.0	0.0	0.0	83	1,670	0.0	0.4	0.3	2.6	1.0	1.5	10
11	12	0.0	0.0	0.0	26 *	1,640	0.0	0.6	0.2	0.2	0.9	3.4	11
12	21	0.0	0.0	0.0	25	1,510	0.0	0.7	0.2	0.2	1.5	5.3	12
13	35	0.0	0.0	0.0	34	793	0.0	0.6	0.1	0.3	7.5*	30	13
14	29	0.0	0.0	1,600 *	212	247	0.0	0.5	0.0	0.3	2.3	29	14
15	21	0.0	0.0	1,510 *	249	84	0.0	0.4	0.0	0.2	3.8	16	15
16	21	0.0	0.0	1,310	212	40	0.0	0.5	0.1	0.2	14	12	16
17	22	0.0	0.0	1,970 *	327	29 *	0.0	0.7	0.3	0.3	6.2	17	17
18	11	0.0	0.0	3,160 *	909	27	0.0	0.5	0.4	0.3	0.9	21	18
19	2.0	0.0	0.0	4,550 *	835	24	0.0	0.3	0.5	0.2	0.6	15	19
20	0.1	0.0	0.0	4,540	348 *	21	0.1	0.4	0.2	0.1	1.2	19	20
21	0.0	0.0	0.0	6,510 *	87	18	0.4	1.7	0.1	0.1	33	30	21
22	0.0	0.0	0.0	5,610 *	42	16	0.4	2.6	0.2	0.1	21	23	22
23	0.0	0.0	0.0	4,720	27	14	0.3	3.8	4.5	0.0	20	12	23
24	0.0	0.0	0.0	4,790	22	13	0.3	6.5	0.3	0.1	15	7.1	24
25	0.0	0.0	0.0	4,650	19	12	0.3	4.9	0.1	1.3	1.3	4.3	25
26	0.0	0.0	0.0	4,440	16	11 *	0.4	3.3	0.2	2.8	1.0	3.3	26
27	0.0	0.0	0.0	4,300	16	11	0.8	4.8	0.4	22	6.9	2.5	27
28	0.0	0.0	0.0	2,080	13	14	0.4	3.4	8.0	15	19	2.3	28
29	0.0	0.0	0.0	920		18	0.2	1.3	5.4	20	5.2	2.6	29
30	0.0	0.0	0.0	668		17	0.1	0.2	0.9	14	1.6	2.6	30
31	0.0		0.0	510		15		0.2		16	14		31
MEAN	8.6	0.0	0.0	1,865	205	675	1.7	1.8	0.8	3.4	6.6	12.1	MEAN
MAX.	60.0	0.4	0.0	6,510	909	2,350	12.0	12.0	8.0	22.0	33.0	30.0	MAX.
MIN.	0.0	0.0	0.0	0.0	13.0	11.0	0.0	0.2	0.0	0.0	0.6	1.5	MIN.
AC. FT.	531	2		114720	11433	41562	102	112	47	207	408	723	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
234.6	8360	12.96	01	21	1915	0.0	4.07	10	20	2315	169846

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 59 12	121 15 30	SE 42 2N 6E	11400 E	17.10 E	4-4-1958 E	JAN 1944-DATE	JAN 1944-DATE	1954		0.00	LOCAL

Station located 60 feet below Cherokee Lane Bridge crossing over Stockton Diverting Canal. Prior to June 12, 1969 station located 200 feet upstream from U. S. Highway 99E. This water diverted from the Calaveras River by Mormon Slough and returned to the river by Stockton Diverting Canal.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	802010	BEAR CREEK NEAR LODI

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	10	0.9	0.0	0.4	22	564	0.0					NR	1
2	2.5	0.1	0.0	0.1	16 *	625	0.0					NR	2
3	3.4	0.0	0.0	0.0	7.6	127	0.0					NR	3
4	3.3	0.0	0.0	0.0	4.0	379	NR					NR	4
5	2.6	0.5	0.0	0.0	2.4	632	NR					NR	5
6	4.5	3.5*	0.0	0.0	1.5	136	NR					NR	6
7	2.4*	4.2	0.0	0.1	1.0	58	NR					NR	7
8	13	0.7	0.0	0.1	0.8	98	NR					NR	8
9	20	0.2	0.0	0.3	0.8	91	NR					NR	9
10	16	0.1	0.0	14	1.0	69	NR					NR	10
11	8.8	0.1	0.1	27	1.0	45	NR	N	N	N	N	NR	11
12	5.4	0.1	0.0	14	0.7	27	NR					NR	12
13	1.3	0.5	0.0	6.9	12	20	NR	O	O	O	O	NR	13
14	5.4	0.7	0.0	1,380	132	11	NR					NR	14
15	36	0.2	0.0	805 *	43	5.5	NR					NR	15
16	59	0.5	0.0	922 *	23	2.9	NR	R	R	R	R	NR	16
17	41	0.8	0.0	358 *	52	1.6	NR					18	17
18	34	0.3	0.0	120 *	137	0.7	NR	E	E	E	E	3.1	18
19	34	0.0	0.0	60 *	45	0.4	NR					0.1	19
20	31	0.0	0.1	68	24	0.2	NR	C	C	C	C	0.2	20
21	30	0.0	9.0	1,360 *	15	0.2	NR	O	O	O	O	5.0	21
22	28	0.0	73	547 *	5.5	0.2	NR					0.5	22
23	55	0.0	74	164	2.5	0.1	NR	R	R	R	R	3.5	23
24	29	0.0	38	179	1.6	0.0	NR					3.4	24
25	26	0.0	15	109	1.1	0.0	NR	D	D	D	D	1.5	25
26	28	0.0	5.6	55	0.7	0.0	NR					2.0	26
27	31	0.0	21	98	0.5	0.0	NR					4.2	27
28	47	0.0	34	89	0.4	0.0	NR					1.2	28
29	28	0.0	11	37		0.1	NR					0.5	29
30	9.8	0.0	2.3	28		0.1	NR					0.2	30
31	3.9		0.8	26		0.0							31
MEAN	20.9	0.4	9.2	208	19.8	93.4							MEAN
MAX.	59.0	4.2	74.0	1,380	137	632	0.0	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	1.3	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	1288	27	563	12829	1099	5740							AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	3,300	7.11	1	14	1745	NR					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 03 37	121 12 28	SE 28 3N 7E	3,300	7.11	1-14-1970	DEC 1965-DATE	FEB 1965-DATE	1965		44.45	USCGS

Station located 50 feet above Alpine Road bridge, 5.0 miles southeast of Lodi. Tributary to San Joaquin River via Disappointment Slough. Drainage area is 36.7 square miles.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	B02105	MOKELUMNE RIVER AT WOODBRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	785	865	376	277	4,660	1,290	162	37	43	168	311	245	1
2	790	483	377	276	4,660	1,310	129	35	41	169	323	241	2
3	799	216	376	276	4,640	1,260	118	33	41	192	323	241	3
4	834	123	376	276	4,620	1,290	113	32	42	198	306	280	4
5	826	105	376	275	4,290	1,510	125	33	45	201	299	273	5
6	826	95	235	271	3,840	1,480	145	31	49	232	295	283	6
7	836	209	117	270	3,560	1,450	152	31	50	256	292	291	7
8	807	352	105	275	3,330	1,460	133	36	52	223	308	283	8
9	833	390	102	239	3,250	1,450	135	49	64	194	313	268	9
10	822	391	101	372	3,220	1,460	94	51	83	217	318	275	10
11	812	396	99	402	3,180	1,450	57	56	81	252	298	286	11
12	814	395	100	401	2,910	1,440	60	45	81	272	289	284	12
13	816	396	100	396	2,610	1,330	85	43	83	303	235	300	13
14	810	397	98	478	2,530	1,300	90	54	82	305	259	365	14
15	915	396	97	553	2,530	1,300	56	61	65	308	255	342	15
16	915	396	88	1,760	2,520	1,280	47	54	57	315	266	336	16
17	906	391	88	2,660	2,290	681	43	47	58	321	248	319	17
18	902	390	89	3,020	1,890	526	36	49	58	317	206	320	18
19	902	390	95	3,130	1,650	503	35	47	56	326	204	326	19
20	919	389	137	3,180	1,600	243	35	49	59	345	148	348	20
21	910	389	123	3,320	1,570	122	34	54	67	315	159	345	21
22	1,100	387	106	3,380	1,560	314	33	53	80	300	155	349	22
23	1,120	386	91	3,730	1,540	330	34	46	83	300	164	332	23
24	1,120	382	96	4,330	1,530	334	39	41	78	298	174	328	24
25	1,130	382	183	4,330	1,520	326	40	42	101	299	201	336	25
26	1,130	380	272	4,370	1,400	274	40	46	111	310	189	355	26
27	1,130	380	275	4,660	1,360	284	43	53	112	311	194	349	27
28	1,190	378	276	4,690	1,280	292	44	56	138	303	201	357	28
29	1,350	377	277	4,680		273	43	52	145	296	205	354	29
30	1,360	376	277	4,630		230	42	45	190	296	218	341	30
31	1,260		277	4,620		161		43		298	231		31
MEAN	957	366	187	2,115	2,698	869	74.7	45.3	76.5	272	245	312	MEAN
MAX.	1,360	865	377	4,690	4,660	1,510	162	61	190	345	323	365	MAX.
MIN.	785	95	88	270	1,280	122	33	31	41	168	148	241	MIN.
AC. FT.	58,850	21,790	11,470	130,100	149,800	53,460	4,447	2,785	4,552	16,740	15,050	18,550	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
674	4,720	22.68	1	29	2245	30	3.75	5	6	0015	487,600

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 09 30	121 18 10	NE 34 4N 6E	27,000	29.58	11-22-50	MAY 24-OCT 25 ö JAN 26-DATE	MAY 1924-DATE	1924 1931	1931	18.9 14.9	USCGS USCGS

Station located 0.3 mile below county highway bridge, 0.4 mile below dam and canal intake of Woodbridge Irrigation District. Flow regulated by reservoirs and powerplants. Records furnished by U. S. Geological Survey. Drainage area is 661 square miles.

ö - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	B21160	SUTTER CREEK NEAR SUTTER CREEK

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.9	3.7	5.9	18	84	628	31 *	22	9.7	6.2	1.8	0.3	1
2	1.0	3.7	6.1	16	76	329	30	22	9.3	6.1	1.7	0.3	2
3	1.2	3.7	6.1	15	70	178	30	21	9.0	5.7	1.7	0.2	3
4	1.5	3.8	6.4	14	67	160	29	21	8.5	5.5	1.7	0.2	4
5	1.6	11	6.6	13	62	143	28	20	8.1	4.9	1.8	0.7	5
6	1.6	53	6.6	12	57	115	27	20	8.1	4.5	1.8	0.9	6
7	1.6	17	6.6	12	54	100	27	21	7.9	4.1	1.6	0.7	7
8	1.8	10	6.8	12	50	148	27	20	9.2	4.1	1.6	0.4	8
9	2.0	8.2	7.5	16	47	112	26	20	19	4.2	1.2	0.3	9
10	2.1	7.2	8.1	72	45	109	25	19	15 *	4.3	0.6	0.2	10
11	2.0	6.6	11 *	44	44	94	26	19	12	4.1	0.2	0.1	11
12	2.0	6.2	11	42	56	85	25	18 *	11	3.9	0.0	0.1	12
13	2.0	5.9	9.9	63 *	90	80	35	18	12	3.7	0.0	0.3	13
14	2.1	5.6	9.0	526 *	98	70	49	17	11	3.3	0.1	0.5	14
15	4.6*	5.6	8.2	221	70	65	42	16	10	3.0	0.0	0.7	15
16	16	6.1	7.8	923	69	64	42	16	9.9	3.1	0.0	0.7	16
17	9.7	6.4	7.6	590	211 *	59	36	15	9.6	3.3	0.0	0.5	17
18	6.2	6.1	7.2	282	119	53 *	31	14	9.1	3.0	0.0	0.4	18
19	4.8	6.1	22	165	96	46	33	14	8.5	2.8	0.0	0.6	19
20	4.3	6.1	141	144	84	44	31	14	8.3	2.5	0.1	0.9	20
21	3.9	5.9*	156	890	75	42	29	14	7.8	2.3	0.0*	1.0	21
22	3.7	5.9	82	427 *	69	40	27	14	7.1	2.0	0.1	0.9	22
23	3.7	5.6	39	226	64	39	26	13	6.7	1.7	0.1	0.8	23
24	3.7	5.6	229	342	60	37	25	12	6.4	1.6	0.0	0.7	24
25	3.7	5.6	166	228	55	37	24	12	6.4	1.7	0.0	0.7	25
26	3.8	5.6	87	169	52	36	26	12	7.1	1.7	0.0	0.6	26
27	3.7	5.6	54	217	50	34	28	12	7.8	1.5	0.2	0.6	27
28	3.7	5.6	35	154	50	34	26	11	7.5	1.5	0.2	0.4	28
29	3.7	5.6	28	125		33	24	11	7.3	1.5	0.4	0.3	29
30	3.7	5.6	23	106 *		33	23	11	6.8	1.5	0.4	0.3	30
31	3.8		20	93		33		10		1.7	0.4		31
MEAN	3.6	8.0	39.4	199	72.3	99.4	29.6	16.1	9.2	3.3	0.6	0.5	MEAN
MAX.	16.0	53.0	229	923	211	628	49.0	22.0	19.0	6.2	1.8	1.0	MAX.
MIN.	0.9	3.7	5.9	12.0	44.0	33.0	23.0	10.0	6.4	1.5	0.0	0.1	MIN.
AC. FT.	218	473	2421	12252	4015	6109	1761	990	548	200	35	30	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
40.1	1770	4.47	01	16	1215	0.0	0.40	08	16	2245	29052

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 23 45	120 46 50	SE 5 6N 11E	5,770 E	6.27	1-31-1963	JAN 36-DEC 41 MAR 1960-DATE	JAN 36-DEC 41 MAR 1960-DATE	1936 1938	1938	-4.00 0.00	LOCAL LOCAL

Station located 0.4 mile below Volcano Road bridge, 1.3 miles east of Sutter Creek. Tributary to Cosumnes River via Dry Creek. Drainage area is 48.1 square miles.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	821150	DRY CREEK NEAR IONE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.5	2.8	3.9	19	85	895	27 *	15	3.3	1.1	0.0	0.0	1
2	0.7	2.7	3.9	17	75	495	26	14	2.9	0.5	0.0	0.0	2
3	0.9	2.9	3.9	16	67	234	26	13	2.5	0.2	0.0	0.0	3
4	1.0	2.9	3.9	14	63	237	24	12	2.1	0.0	0.0	0.0	4
5	1.2	7.9	4.0	13	57	217	23	12	1.8	0.0	0.0	0.0	5
6	1.3	44	4.0	12	52	160	23	12	1.7	0.0	0.0	0.0	6
7	1.4	14	4.2	12	49	132	22	13	1.8	0.0	0.0	0.0	7
8	1.8	6.4	4.5	13	47	241	22	13	2.3	0.0	0.0	0.0	8
9	2.0	4.7	4.9	20	44	184	21	13	6.8	0.0	0.0	0.0	9
10	2.0	4.1	5.3	81	42	179	21	12	6.7	0.0	0.0	0.0	10
11	2.0	3.8	6.8*	57	42	140	21	11	4.8	0.0	0.0	0.0	11
12	2.2	3.6	7.4	50	46	119	20	11 *	4.2	0.0	0.0	0.0	12
13	2.2	3.4	7.4	62 *	72	104	30	11	4.1	0.0	0.0	0.0	13
14	2.6	3.5	6.7	890 *	109	92	43	10	3.8	0.0	0.0	0.0	14
15	3.6*	3.6	5.7	340	72	83	32	9.2	3.7	0.0	0.0	0.0	15
16	1.7	3.8	5.3	991	77	75	27	8.0	3.4	0.0	0.0	0.0	16
17	0.6	4.1	5.1	540	349	68	25	7.0	3.0	0.0	0.0	0.0	17
18	0.2	3.8	5.0	272	194	62 *	22	6.6	2.8	0.0	0.0	0.0	18
19	0.8	3.8	12	174	140	56	24	6.8	2.4	0.0	0.0	0.0	19
20	0.9	3.9	106	161	112	52	22	6.5	1.9*	0.0	0.0	0.0	20
21	1.1	3.9*	210	1,160	93	49	22	6.1	1.5	0.0	0.0*	0.0	21
22	1.3	3.7	107	580 *	80	46	22	5.9	1.2	0.0	0.0	0.0	22
23	1.4	3.7	46	275	72	45	19	5.5	0.8	0.0*	0.0	0.0	23
24	1.7	3.7	219	500	66	41	19	5.1	0.6	0.0	0.0	0.0	24
25	2.0	3.7	153	307	60	39	17	4.8	0.5	0.0	0.0	0.0	25
26	2.2	3.8	93	204	56	37	18	4.7	0.6	0.0	0.0	0.0	26
27	2.4	3.9	58	246	53 *	35	21	4.8	0.9	0.0	0.0	0.0	27
28	2.8	3.9	40	181	52	33	20	4.9	1.3	0.0	0.0	0.0	28
29	2.7	3.9	31	141		32	17	4.8	1.5	0.0	0.0	0.0	29
30	2.6	3.9	25	117 *		31	16	4.4	1.4	0.0	0.0	0.0	30
31	2.8		22	98		29		3.9		0.0	0.0		31
MEAN	1.7	5.6		244	83.1	136	23.1	8.7	2.5	0.1	0.0	0.0	MEAN
MAX.	3.6	44.0		1,160	349	895	43.0	15.0	6.8	1.1	0.0	0.0	MAX.
MIN.	0.2	2.7		12.0	42.0	29.0	16.0	3.9	0.5	0.0	0.0	0.0	MIN.
AC. FT.	104	333		15001	4614	8414	1373	538	151	4			AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
46.1	2120	8.25	03	01	1645	0.0	2.48	07	03	2245	30531

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 24 54	120 54 18	SW 32 7N 10E	7,300	11.30	1-6-1965	FEB 1960-DATE	FEB 1960-DATE	1960		0.00	LOCAL

Station located 1,000 feet below State Highway 124 bridge, 4.6 miles northeast of Ione. Tributary to Cosumnes River. Drainage area is 70.9 square miles.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	B01520	DRY CREEK NEAR GALT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	65	378	886	101	36	7.2	2.7	4.2	12	1
2	0.0	0.0	0.0	47	343	2,410	99	29	2.6	1.8	4.5	9.3	2
3	0.0	0.0	0.0	41	317	988	94	30	1.5	1.1	2.3	11	3
4	0.0	0.0	0.0	36	303	868	88	30	0.4	0.8	4.5	7.5	4
5	0.0	0.0	0.0	31	287	1,350	81	32	0.2	4.8	4.7	4.5	5
6	0.0	0.0	0.0	28	271	744	76	33	0.0	3.4	7.1	2.3	6
7	0.0	15	0.0	27	274	543	73	34	0.0	0.5	7.8	1.6	7
8	0.0	20	0.0	26	267	835	66	34	0.5	0.0	5.2	2.0	8
9	0.0	11	0.0	31	248	728	65	36	2.4	0.0	6.9	14	9
10	0.0	5.6	0.0	158	238	681	66	34	11	0.0	7.5	22	10
11	0.0	1.0	0.0	183	233	560	64	32	8.3	0.0	5.7	12	11
12	0.0	0.0	0.0	128	231	466	61	30	5.8	0.0	4.4	5.6	12
13	0.0	0.0	0.0	132	276	397	67	29	5.5	0.0	4.6	13	13
14	0.0	0.0	0.0	1,700	391	348	137	26	8.1	0.0	2.8	16	14
15	0.0	0.0	8.5	1,990	320	308	132	23	9.8	0.6	7.5	11	15
16	0.2	0.0	6.4	2,170	274	282	105	19	8.2	0.5	8.0	14	16
17	2.7	0.0	3.3	2.820	632	257	90	18	5.5	0.0	10	11	17
18	0.2	0.0	1.0	1,440	562	230	77	8.9	5.0	0.0	8.8	10	18
19	0.0	0.0	0.2	620	357	206	69	10	7.0	0.0	7.8	15	19
20	0.0	0.0	136	422	276	185	72	7.0	5.7	0.0	2.3	16	20
21	0.0	0.0	367	2,420	226	181	70	9.7	5.3	0.0	0.4	13	21
22	0.0	0.0	593	3,110	191	170	68	9.3	2.2	0.0	0.0	12	22
23	0.0	0.0	149	1,410	170	163	65	8.4	0.6	0.0	2.0	9.6	23
24	0.0	0.0	367	1,670	157	156	57	15	2.1	0.0	4.4	12	24
25	0.0	0.0	555	1,280	140	149	45	12	3.6	0.2	4.0	8.3	25
26	0.0	0.0	413	795	129	144	48	14	0.9	3.4	3.7	5.0	26
27	0.0	0.0	234	876	121	133	47	14	0.9	4.1	2.9	1.9	27
28	0.0	0.0	176	735	115	125	59	14	7.3	2.3	2.9	0.2	28
29	0.0	0.0	148	543		120	47	11	9.2	3.7	0.4	0.1	29
30	0.0	0.0	132	474		112	41	18	7.3	2.9	14	1.3	30
31	0.0		121	420		106		11		2.5	13		31
MEAN	0.1	1.8	110	833	276	478	74.3	21.5	4.5	1.1	5.3	9.1	MEAN
MAX.	2.7	20	593	3,110	632	2,410	137	36	11	4.8	14	22	MAX.
MIN.	0.0	0.0	0.0	26	115	106	41	7.0	0.0	0.0	0.0	0.1	MIN.
AC. FT.	6.1	104	6,760	51,230	15,330	29,420	4,420	1,320	266	70	326	542	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
152	4,270	13.91	1	22	0445	0.0		10	1	0000	109,800

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 14 48	121 13 03	NE 32 5N 7E	24,000	15.28	4-3-1958	OCT 26-SEPT 33 OCT 44-DATE	OCT 26-SEPT 33 OCT 44-DATE	1944 1945	1945	55.83 52.83	USCGS USCGS

Station located below county road bridge, 4 miles east of Galt. Tributary to Mokelumne River. Records furnished by USGS. Drainage area is 329 square miles.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	801580	DEER CREEK NEAR SLOUGHHOUSE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	1.2	11	42	104	9.5*	3.3	0.0	0.0	0.0	0.0	1
2	0.0	0.0	1.2	9.5	37	79	8.9	3.1	0.0	0.0	0.0	0.0	2
3	0.0	0.0	1.4	8.7	33	45	8.8	2.9	0.0	0.0	0.0	0.0	3
4	0.0	0.0	1.3	8.4	31	138	8.5	2.7	0.0	0.0	0.0	0.0	4
5	0.0	0.0	1.1	8.0	28	109	8.0	2.5	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.9	7.4	25	57	7.7	2.6	0.0	0.0	0.0	0.0	6
7	0.0	4.1	1.0	6.9	24	46	7.3	2.8	0.0	0.0	0.0	0.0	7
8	0.0	2.5	1.5	7.0	23	149	6.7	2.8	0.0	0.0	0.0	0.0	8
9	0.0	2.2	1.6	16	22	72	6.5	3.0	0.0	0.0	0.0	0.0	9
10	0.0	1.6	1.9	145	21	114	6.5	3.2	0.0	0.0	0.0	0.0	10
11	0.0	1.4	2.6*	50	21	64	6.5	3.0	0.0	0.0	0.0	0.0	11
12	0.0	1.2	3.7	45	23	51	6.1	2.7	0.0	0.0	0.0	0.0	12
13	0.0	1.0	4.0	72 *	48	44	6.7	2.5	0.0	0.0	0.0	0.0	13
14	0.0	1.0	2.8	1,200 *	72	39	13	2.3	0.0	0.0	0.0	0.0	14
15	0.0	1.0	2.6	185	38	35	13	1.7	0.0	0.0	0.0	0.0	15
16	0.0	1.0	2.1	1,030 *	41	32	9.2	1.5	0.0	0.0	0.0	0.0	16
17	0.0	1.4	1.8	989	269	29	7.7	1.3	0.0	0.0	0.0	0.0	17
18	0.0	1.2	1.6	170	123	25	6.6	0.9	0.0	0.0	0.0	0.0	18
19	0.0	1.0	3.6	114	64	23 *	6.2	0.7	0.0	0.0	0.0	0.0	19
20	0.0	1.2	78	175	49	22	5.6	0.7	0.0*	0.0	0.0	0.0	20
21	0.0	1.2*	343	1,560	41	20	5.8	0.8	0.0	0.0	0.0	0.0	21
22	0.0	1.1	79	403 *	35	19	6.0	0.9	0.0	0.0	0.0	0.0	22
23	0.0	1.0	69	164	32	18	5.6	0.7	0.0	0.0	0.0	0.0	23
24	0.0	1.0	628	403	29	17	5.2	0.5	0.0	0.0	0.0	0.0	24
25	0.0	1.0	140	170	27	15	5.1	0.3	0.0	0.0	0.0	0.0	25
26	0.0	0.9	61	103	26	15	5.0	0.1	0.0	0.0	0.0	0.0	26
27	0.0	0.9	34	332	23 *	13	5.1	0.1	0.0	0.0	0.0	0.0	27
28	0.0	1.0	24	115	23	12	5.1	0.1	0.0	0.0	0.0	0.0	28
29	0.0	1.0	19	76		11	4.4	0.1	0.0	0.0	0.0	0.0	29
30	0.0	1.0	15	59 *		11	3.9	0.0	0.0	0.0	0.0	0.0	30
31	0.0		12	48		10		0.0		0.0	0.0		31
MEAN	0.0	1.1	49.7	248	45.4	46.4	7.0	1.6	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	4.1	628	1,560	269	149	13.0	3.3	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.9	6.9	21.0	10.0	3.9	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.		63	3054	15255	2519	2852	417	99					AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
33.5	2800	10.75	01	14	1430	0.00	5.70	10	01	0000	24259

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 33 06	121 06 30	NW 16 8N 8E	6,560 E	12.86	10-13-1962	NOV 1959-DATE	NOV 1959-DATE	1959		0.00	LOCAL

Station located 0.2 mile above Scott Road bridge, 5.9 miles northeast of Sloughhouse. Tributary to Cosumnes River. Drainage area is 46.0 square miles.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	B01125	COSUMNES RIVER AT MCCONNELL

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	20	27	284	1,690	1,580	560	342	183	31	0.0	0.0	1
2	0.0	19	27	255	1,490	4,720	524	362	167	25	0.0	0.0	2
3	0.0	28	27	232	1,320	2,120	507	366	159	26	0.0	0.0	3
4	0.0	21	27	212	1,200	1,770	491	381	148	22	0.0	0.0	4
5	0.0	22	27	201	1,080	2,620	475	396	136	17	0.0	0.0	5
6	0.0	39	27	185	973	1,830	462	398	118	16	0.0	0.0	6
7	0.0	235	26	176	895	1,500	452	411	108	34	0.0	0.0	7
8	0.0	140	28	184	827	1,970	437	398	104	24	0.0	0.0	8
9	0.0	84	30	192	764	2,170	418	389	122	1.7	0.0	0.0	9
10	0.0	64	31	526	715	1,900	411	381	217	3.9	0.0	0.0	10
11	0.0	51	47	1,080	685	1,790	411	380	190	0.0	0.0	0.0	11
12	0.0	45	52	645	677	1,520	404	356	146	0.0	0.0	0.0	12
13	0.0	40	70	702	899	1,350	400	341	126	0.0	0.0	0.2	13
14	0.0	37	69	3,010	1,670	1,270	538	323	125	0.0	0.0	28	14
15	0.0	36	66	6,860	1,290	1,240	550	327	115	0.0	0.0	20	15
16	2.9	35	56	5,030	1,030	1,210	465	326	121	0.0	0.0	4.4	16
17	111	35	49	12,000	2,860	1,150	439	348	112	0.0	0.0	0.0	17
18	140	43	45	7,960	2,620	1,100	408	369	101	0.0	1.0	0.2	18
19	92	50	49	3,800	1,750	1,010	411	385	84	5.0	3.0	0.0	19
20	71	41	91	3,260	1,460	946	446	376	80	11	25	0.0	20
21	46	33	800	5,330	1,280	892	414	341	74	7.8	22	0.0	21
22	38	33	1,790	14,100	1,140	847	390	313	66	23	12	0.0	22
23	30	33	690	8,340	1,030	812	372	295	55	32	7.0	0.0	23
24	27	35	1,650	6,180	956	785	359	286	59	4.4	3.0	0.0	24
25	26	32	2,610	5,970	897	762	348	276	48	5.6	0.0	0.0	25
26	24	30	1,940	3,850	840	737	349	254	56	33	0.0	0.0	26
27	23	28	919	3,860	804	705	386	248	35	10	0.0	0.0	27
28	23	28	619	4,390	773	669	392	239	46	0.0	0.0	0.0	28
29	22	28	467	2,870		654	362	223	56	0.0	0.0	0.0	29
30	21	27	377	2,330		636	338	206	35	0.0	0.0	0.0	30
31	21		323	1,970		604		194		0.0	0.0		31
MEAN	23.2	46.4	421	3,419	1,201	1,383	431	330	106	10.7	2.4	1.8	MEAN
MAX.	140	235	2,610	14,100	2,860	4,720	560	411	217	34	25	28	MAX.
MIN.	0.0	19	26	176	677	604	338	194	35	0.0	0.0	0.0	MIN.
AC. FT.	1,420	2,760	25,900	210,200	66,680	85,030	25,620	20,290	6,330	659	145	105	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
615	16,700	45.56	1	22	0615	0.0		10	1	0000	445,200

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 21 29	121 20 34	20 6N 6E	54,000	46.26	12-23-1955	OCT 1941-DATE	JAN 31-MAY 40 # OCT 41-DATE	1931		0.00	USED

Station located on U. S. Highway 99 bridge, 0.2 mile south of McConnell, 7.0 miles north of Galt. Maximum discharge of record listed is for period 1943 to date. Records furnished by USGS. Drainage area is 724 square miles.

- Flood season only.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A00020	MORRISON CREEK NEAR SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	10	3.0	5.2	3.9	20	47	7.0	8.9	9.1	7.1	5.1	6.8	1
2	9.1	2.6	5.3	4.3	17	36	6.1	6.7	9.3	7.6	4.7	6.8	2
3	8.5	2.6	5.8	3.6	16	19	5.8	6.5	11	5.1	5.9	6.6	3
4	6.1	2.5	6.6	3.4	15	85	5.0	9.7	13	4.9	6.3	6.6	4
5	6.1	56	6.0	5.1	14	134	5.0	7.2	11	4.6	6.6	4.9	5
6	9.1	21	5.0	5.8	13	42	7.9	8.3	7.6	5.9	6.7	4.8	6
7	9.8	11	4.9	6.0	11	22	7.1	7.3	6.1	6.4	8.3	5.0	7
8	9.1	6.4	12	26	10	64	6.4	7.8	11	5.9	6.0	6.0	8
9	8.1	4.9	11	60	11	41	6.9	6.4	15	5.9	5.6	7.7	9
10	7.8	6.0	17	39	11	28	9.5	5.6	11	6.6	7.0	8.5	10
11	5.5	5.8	17	21	11	20	6.4	7.3	10	5.1	7.4	7.7	11
12	4.3	4.2	12	14	20	19	5.7	7.3	7.7	5.1	7.2	5.4	12
13	4.2	4.1	9.7	41	51	13	10	6.8	4.5	5.8	7.2	4.9	13
14	7.9	6.0	6.9	473	38	9.6	13	7.0	4.6	6.2	8.2	6.2	14
15	41	4.2	7.9	247	21	7.4	7.7	8.0	6.7	6.6	5.2	7.4	15
16	14	3.8	8.1	392	23	8.2	7.6	7.1	8.9	6.4	5.5	6.9	16
17	12	5.1	8.0	569	59	7.5	7.1	5.9	9.8	6.5	6.1	7.3	17
18	6.9	4.9	12	161	53	7.3	7.2	7.3	12	5.7	6.4	7.4	18
19	5.0	4.8	96	75	29	6.8	7.0	8.6	12	5.6	6.3	4.5	19
20	6.1	6.7	217	98	21	6.6	7.2	9.5	5.9	6.4	6.0	4.0	20
21	5.4	7.1	122	609	16	7.1	9.6	9.3	6.1	6.6	5.8	6.2	21
22	5.4	5.3	41	314	12	8.0	8.5	9.3	8.6	6.9	4.2	6.3	22
23	5.0	4.9	28	117	9.7	5.9	8.7	8.6	9.7	6.7	4.3	6.7	23
24	5.1	6.6	53	140	10	7.1	9.3	8.8	9.2	6.4	6.5	6.6	24
25	4.2	6.0	39	80	9.7	8.2	6.6	9.4	8.1	5.0	7.9	6.3	25
26	3.7	5.8	15	52	8.8	9.1	5.1	9.2	8.3	4.7	7.4	4.9	26
27	4.9	5.2	7.9	112	8.9	8.1	7.7	9.5	5.8	6.2	7.1	5.5	27
28	4.9	5.0	5.7	47	13	5.6	8.2	11	5.2	7.0	6.7	6.7	28
29	4.9	4.8	7.2	33		5.5	8.2	9.0	6.5	6.2	5.5	7.7	29
30	4.5	5.4	7.1	26		5.7	8.3	8.1	7.6	6.4	4.5	7.4	30
31	4.3		6.9	23		5.9		7.0		6.5	6.0		31
MEAN	7.8	7.4	26.0	123	19.7	22.6	7.5	8.0	8.7	6.1	6.2	6.3	MEAN
MAX.	41	56	217	609	59	134	13	11	15	7.6	8.3	8.5	MAX.
MIN.	3.7	2.5	4.9	3.4	8.8	5.5	5.0	5.6	4.5	4.6	4.2	4.0	MIN.
AC. FT.	482	440	1,600	7,540	1,100	1,390	448	493	518	373	384	376	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
20.9	1,100	7.75	1	16	2130	2.5		11	4		15,130

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 29 55	121 27 06	SE 32 8N 5E	1610	8.53	1-26-69	JULY 1959-DATE	JULY 1959-DATE	1959	1960	8.15	USCGS
								1960	1965	10.31	USCGS
								1964		7.60	USCGS

Station located 750 feet above Florin Road in southeast Sacramento. Tributary to Snodgrass Slough via Beach and Stone Lakes. Records furnished by U. S. Geological Survey. Drainage area is 48.6 square miles.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	B95925	DELTA-MENDOTA CANAL NEAR TRACY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2,533	323		0.0	1,237	1,878	3,282	3,657	4,148	4,382	4,360	2,153	1
2	2,596	324		0.0	908	1,308	3,676	2,237	4,108	4,382	4,338	2,278	2
3	2,728	323		0.0	781	1,382	3,659	1,588	4,188	4,495	4,229	2,285	3
4	3,168	323		0.0	900	1,540	4,131	1,591	4,167	4,476	4,079	2,086	4
5	4,142	321		0.0	773	942	4,142	1,600	4,443	4,484	3,508	1,873	5
6	3,105	722		0.0	774	1,138	4,104	1,615	4,592	4,490	3,504	1,865	6
7	2,878	576		0.0	772	908	4,105	1,740	4,381	4,510	3,872	1,865	7
8	2,460	397		0.0	770	493	4,112	2,065	4,470	4,502	4,245	1,999	8
9	2,050	397		0.0	772	859	4,112	4,013	4,455	4,543	3,862	1,915	9
10	2,047	433	N	0.0	1,254	1,198	4,081	4,013	4,461	4,513	3,843	1,900	10
11	1,865	361	O	0.0	1,257	935	4,068	4,020	4,140	4,562	3,730	1,968	11
12	1,900	360		0.0	1,264	858	4,075	3,929	3,771	4,558	3,896	2,105	12
13	1,906	505		0.0	1,253	862	3,897	3,952	3,777	4,563	3,926	2,101	13
14	2,030	578		0.0	1,669	866	3,897	3,935	3,777	4,580	3,965	2,090	14
15	2.031	650	F	130	1,678	944	3,823	4,002	3,802	4,597	3,895	2,092	15
16	1,663	0.0	L	1,685	1,420	1,083	3,968	4,032	4,065	4,576	3,928	2,021	16
17	1,589	72		1,692	1,889	1,280	3,918	3,988	4,468	4,592	3,849	2,058	17
18	1,406	215	O	1,623	2,028	1,429	3,897	3,946	4,446	4,571	3,599	2,049	18
19	1,332	286		73	2,087	1,654	3,871	3,920	4,255	4,581	3,513	2,059	19
20	1,331	286	W	109	2,079	1,645	3,861	3,962	3,970	4,576	3,459	2,048	20
21	1,113	359		110	2,174	1,960	3,803	4,273	4,499	4,570	3,348	2,170	21
22	975	360		147	2,120	2,093	3,719	4,299	4,292	4,374	3,357	2,430	22
23	434	323		370	2,147	2,143	3,018	4,295	4,020	4,266	3,361	2,453	23
24	433	288		1,027	1,971	2,753	3,178	4,309	4,092	4,262	3,357	3,044	24
25	433	650		1,023	1,930	3,200	3,154	4,243	4,218	4,189	3,096	3,158	25
26	416 A	866		773	2,020	3,174	3,133 B	4,249	4,185	4,216	2,912	3,031	26
27	434	685		518	1,641	3,179	3,552	4,218	4,508	4,193	2,991	3,031	27
28	433	0.0		788	1,889	3,190	3,370	4,168	4,475	4,216	3,019	2,816	28
29	433	0.0		785		3,189	874	4,138	4,325	4,367	2,473	2,820	29
30	324	0.0		905		3,193	2,863	4,213	4,391	4,317	2,475	2,692	30
31	325			1,017		3,198		4,205		4,359	2,331		31
MEAN	1,629	366		412	1,481	1,757	3,645	3,562	4,230	4,447	3,559	2,282	MEAN
MAX.	4,142	866		1,692	2,174	3,200	4,142	4,309	4,592	4,597	4,360	3,158	MAX.
MIN.	324	0.0		0.0	770	493	874	1,588	3,771	4,189	2,331	1,865	MIN.
AC. FT.	100,225	21,784		25,339	82,229	108,048	216,619	219,005	251,681	273,445	218,819	135,780	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *
A 25-Hour Day
B 23-Hour Day

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
2,283											1,653,000

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 47 45	121 35 05	SW 31 1S 4E				JUNE 1951-DATE	JUNE 1951-DATE	1951		0.00	USCGS

Station located at Tracy Pumping Plant at intake to canal, 6 miles southeast of Byron, 10 miles northwest of Tracy. Discharge computed from records of operation of pumps. Water is diverted from Sacramento-San Joaquin Delta by way of Old River and a dredged channel to the Tracy Pumping Plant where it is lifted about 200 feet into the canal. Records are furnished by the U. S. Bureau of Reclamation.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	B95910	CONTRA COSTA CANAL NEAR OAKLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	120	62	91	96	79	40	84	152	178	195	221	193	1
2	119	71	85	102	88	13	85	143	189	195	220	185	2
3	114	109	90	103	90	14	88	129	188	196	216	184	3
4	114	94	109	91	89	16	63	124	190	179	224	166	4
5	120	91	105	81	84	18	36	133	195	182	225	165	5
6	113	91	110	61	93	22	37	160	188	193	222	163	6
7	110	93	108	61	88	25	65	184	179	209	228	163	7
8	114	90	106	62	87	34	102	197	177	208	226	171	8
9	119	93	95	56	85	66	152	193	182	224	222	176	9
10	117	92	90	52	87	72	145	184	179	236	202	179	10
11	96	99	105	55	89	70	148	196	176	218	219	180	11
12	98	88	95	37	87	69	158	183	183	217	220	128	12
13	106	92	83	14	83	64	134	181	177	218	234	131	13
14	107	94	85	13	83	81	139	179	187	214	224	163	14
15	103	92	96	12	85	87	162	175	187	224	219	178	15
16	95	88	106	10	87	88	152	165	205	216	217	171	16
17	97	88	108	5	88	102	158	165	204	218	223	180	17
18	100	94	109	6	87	100	162	158	207	207	219	184	18
19	91	90	92	5	87	96	160	160	209	200	212	183	19
20	99	93	90	4	88	98	158	158	215	204	217	165	20
21	102	74	85	5	85	101	158	156	213	203	216	143	21
22	102	61	92	38	86	105	150	162	217	212	212	142	22
23	97	68	93	64	74	99	153	161	228	213	204	139	23
24	90	52	86	58	71	102	149	166	223	217	202	142	24
25	95	46	86	63	75	100	135	165	225	223	196	139	25
26	93 A	44	91	59	78	100	132 B	164	219	225	197	149	26
27	94	43	83	59	70	100	133	169	204	220	193	140	27
28	88	40	88	65	72	98	143	169	199	219	211	140	28
29	104	42	76	66		96	150	173	187	226	203	141	29
30	100	71	80	58		84	154	174	201	226	204	143	30
31	119		98	60		80		174		221	201		31
MEAN	104	78	94	49	84	72	128	166	197	212	214	161	MEAN
MAX.	120	109	110	103	93	105	162	197	228	236	234	193	MAX.
MIN.	88	40	76	4	70	13	36	124	176	179	193	128	MIN.
AC. FT.	6,426	4,651	5,784	3,017	4,651	4,443	7,616	10,219	11,724	13,008	13,188	9,572	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *
A — 25-Hour Day
B — 23-Hour Day

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
130											94,300

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 59 45	121 42 00	NE 25 2N 2E				FEB 1950-DATE	FEB 50-DEC 52	1950	1952	121.72	USCGS

Station located at Pumping Plant No. 1, 0.7 mile east of Oakley, 2.6 miles northwest of Knightsen. Water is diverted from Sacramento-San Joaquin Delta by way of Old River, Rock Slough, and a dredged channel. A series of 4 pumping plants lift the water about 115 feet into canal. Records furnished by USBR.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	B95920	CALIFORNIA AQUEDUCT AT DELTA PUMPING PLANT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	158	107	481	182	571	769	385	87	175	203	2,134	1
2	0.0	165	44	481	0.0	762	1,028	385	174	389	203	2,134	2
3	0.0	132	55	109	0.0	762	1,733	385	207	176	203	1,507	3
4	0.0	130	55	111	0.0	762	1,814	379	327	175	175	354	4
5	0.0	131	52	59	0.0	517	1,872	513	350	220	203	0.0	5
6	0.0	130	51	552	0.0	381	1,900	968	344	176	203	178	6
7	0.0	101	142	153	0.0	1,075	1,900	1,186	309	174	202	1,767	7
8	0.0	0.0	145	182	0.0	1,840	1,859	1,286	297	277	202	1,768	8
9	4.0	0.0	146	486	0.0	1,813	1,871	931	290	176	293	1,951	9
10	8.1	0.0	145	486	0.0	1,852	1,894	714	402	185	293	2,134	10
11	0.0	0.0	142	486	0.0	1,852	1,900	872	577	197	293	2,110	11
12	0.0	0.0	144	499	0.0	1,831	1,900	1,185	668	176	293	2,132	12
13	0.0	0.0	122	589	0.0	1,722	1,900	800	691	176	382	2,252	13
14	392	0.0	144	726	0.0	1,801	1,900	994	291	176	1,089	2,425	14
15	662	0.0	142	497	0.0	1,759	1,900	1,653	294	222	1,086	2,306	15
16	276	0.0	144	497	0.0	1,883	1,900	1,542	305	332	589	1,721	16
17	102	0.0	145	496	0.0	1,883	1,900	2,105	287	173	203	1,858	17
18	118	0.0	174	497	0.0	1,869	1,857	2,066	349	234	203	1,850	18
19	0.0	0.0	193	479	0.0	1,843	1,423	1,986	291	199	769	1,900	19
20	0.0	0.0	282	567	6.0	1,169	769	2,262	204	198	1,347	1,723	20
21	96	0.0	284	700	113	695	769	2,018	202	199	1,081	2,010	21
22	372	0.0	278	477	125	762	1,123	1,306	203	199	1,356	2,134	22
23	131	0.0	428	451	135	762	1,760	2,263	174	199	1,941	2,131	23
24	141	36	381	344	134	762	1,707	2,263	102	189	1,942	2,132	24
25	138	247	144	267	134	762	1,508	1,921	175	199	1,986	2,134	25
26	139	391	36	419	134	735	1,516	2,259	175	199	1,836	2,128	26
27	129	136	36	567	134	349	869	902	122	199	2,179	1,967	27
28	157	254	36	700	134	680	369	371	175	199	2,179	1,969	28
29	160	198	80	332	143	762	361	465	175	199	631	1,924	29
30	152	83	153	202		762	384	1,873	175	199	194	1,880	30
31	146		759	202		762		1,656		199	174		31
MEAN	107	76	167	439	49.1	1,153	1,478	1,287	284	206	772	1,820	MEAN
MAX.	662	391	759	726	182	1,883	1,900	2,263	691	389	2,179	2,425	MAX.
MIN.	0.0	0.0	36	59	0.0	349	361	371	87	173	174	0.0	MIN.
AC. FT.	6,558	4,544	10,290	26,970	2,724	70,890	87,980	79,130	16,910	12,670	47,470	108,300	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
655											474,500

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 48 02	121 37 09	SE 35 1S 3E				OCT 1968-DATE					

Delta Pumping Plant located 4.5 miles south of Bryon. Discharge computed from records of operation of pumps. Water diverted from Sacramento - San Joaquin Delta via Italian Slough and lifted about 240 feet into the canal.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	B95920	CALIFORNIA AQUEDUCT AT DELTA PUMPING PLANT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2,259	2,901	2,749	2,798	2,887	1,112	902	1,182	350	490	685	405	1
2	2,259	2,726	2,646	2,784	2,769	1,112	915	1,171	350	177	656	162	2
3	2,563	2,664	2,620	2,798	3,107	1,112	915	1,738	350	310	804	303	3
4	2,562	2,899	2,570	2,782	3,106	1,112	914	2,583	350	489	732	139	4
5	2,703	2,652	2,612	2,782	2,940	1,112	1,157	653	369	579	734	139	5
6	2,533	2,671	2,699	2,767	3,115	1,112	1,458	1,190	480	714	734	139	6
7	2,542	2,880	2,778	2,794	3,091	1,112	8[illegible]	1,171	568	0.0	735	139	7
8	2,178	2,797	2,789	2,776	3,099	1,112	[illegible]	1,178	700	29	735	139	8
9	2,504	2,863	2,547	2,766	3,024	1,112	1,054	1,178	480	[illegible]	741	110	9
10	2,561	2,625	2,547	2,775	830	1,112	838	1,739	480	538	553	110	10
11	2,580	2,246	2,547	2,823	837	1,112	1,054	2,583	271	538	648	110	11
12	2,582	2,246	2,546	2,810	836	1,110	1,583	1,188	480	535	646	109	12
13	2,618	2,246	2,547	2,744	748	1,112	2,175	1,157	480	767	648	226	13
14	2,633	2,181	2,261	2,663	597	1,112	1,184	841	568	[illegible]	635	110	14
15	2,657	2,246	2,556	2,721	1,131	1,112	1,186	411	700	[illegible]	545	110	15
16	2,610	2,585	2,813	2,702	1,131	1,112	1,186	411	[illegible]	479	400	110	16
17	2,584	2,635	2,560	2,633	366	1,11[illegible]	[illegible]	691	480	[illegible]	1,142	110	17
18	2,443	2,627	2,583	2,679	1,131	1,201	1,156	1,109	480	508	183	110	18
19	1,458	2,606	2,574	2,715	1,131	1,459	1,72[illegible]	413	480	509	831	110	19
20	1,105	2,630	2,556	2,820	1,131	1,274	2,525	413	480	1,087	831	110	20
21	2,546	2,592	2,589	2,954	1,131	1,081	1,096	502	568	533	553	110	21
22	2,544	2,653	2,574	2,952	1,131	1,503	847	798	700	537	411	139	22
23	1,019	2,653	2,417	2,950	1,131	0.0	1,041	758	480	536	230	195	23
24	259	2,668	2,432	2,982	1,131	0.0	1,185	1,056	478	537	93	167	24
25	1,248	2,671	2,432	3,028	1,131	.48	1,173	1,473	480	538	417	166	25
26	2,629	2,786	2,463	3,019	1,131	1,524	1,711	681	480	691	417	167	26
27	2,740	2,811	2,476	3,095	1,131	1,51[illegible]	2,417	275	480	1,088	417	197	27
28	2,629	2,776	2,447	2,582	1,131	1,487	1,054	579	510	460	419	599	28
29	2,627	2,659	2,603	2,762		1,804	1,175	364	700	668	327	124	29
30	2,668	2,723	2,604	2,742		2,222	1,097	364	480	667	0.0	449	30
31	2,878		2,604	2,767		912		364		668	324		31
MEAN	2,314	2,631	2,572	2,805	1,648	1,142	1,253	974	491	526	556	177	MEAN
MAX.	2,878	2,901	2,813	3,095	3,124	2,222	2,525	2,583	700	1,088	1,142	599	MAX.
MIN.	259	2,181	2,261	2,582	366	0.0	838	275	271	0.0	0.0	109	MIN.
AC. FT.	142,300	156,500	158,200	172,500	91,540	70,270	74,540	59,930	29,220	32,340	34,160	10,540	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
1,425											1,032,000

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 48 02	121 37 09	SE 35 1S 3E				OCT 1968-DATE					

Delta Pumping Plant located 4.5 miles south of Byron. Discharge computed from records of operation of pumps. Water diverted from Sacramento - San Joaquin Delta via Italian Slough and lifted about 240 feet into the canal.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	B95920	CALIFORNIA AQUEDUCT AT DELTA PUMPING PLANT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	167	152	656	418	87	345	485	543	417	417	997	831	1
2	138	1,779	651	418	276	192	467	574	418	417	606	826	2
3	198	660	653	695	350	434	528	574	418	418	294	822	3
4	167	666	653	1,120	350	438	645	428	418	968	1,201	828	4
5	168	668	628	443	350	417	356	278	418	1,023	1,205	1,299	5
6	415	666	828	552	379	475	468	232	775	91	1,211	1,120	6
7	413	761	706	560	523	750	425	223	551	630	1,089	445	7
8	403	1,115	296	537	700	1,120	590	231	425	649	1,209	546	8
9	417	1,265	386	543	479	597	1,257	235	450	736	537	547	9
10	576	445	401	913	393	473	1,237	231	506	642	209	547	10
11	761	260	353	1,470	489	445	1,537	232	528	510	845	547	11
12	61	235	316	685	393	100	3,421	228	453	839	853	547	12
13	137	356	1,129	918	393	71	1,352	236	543	0.0	846	1,470	13
14	198	354	1,073	828	392	279	1,356	231	658	634	762	519	14
15	215	356	455	823	393	345	1,347	324	519	547	938	417	15
16	125	356	658	810	451	345	1,367	603	545	547	976	417	16
17	136	489	690	1,379	346	762	1,365	185	547	424	198	417	17
18	137	487	799	2,240	350	630	1,556	208	495	455	828	418	18
19	69	490	791	760	350	465	1,887	209	670	453	845	698	19
20	417	489	1,551	518	350	755	557	207	826	93	840	1,120	20
21	419	500	2,140	417	350	337	556	211	738	1,120	755	418	21
22	417	578	790	417	350	345	557	209	620	1,120	931	418	22
23	419	713	732	414	350	357	492	209	620	417	1,052	418	23
24	419	490	528	698	350	354	233	197	622	440	197	418	24
25	139	490	529	929	350	353	233	204	621	909	842	418	25
26	122	490	526	350	350	350	204	208	806	792	830	698	26
27	269	488	886	101	350	354	477	208	554	55	826	1,120	27
28	271	550	1,422	101	539	344	590	202	1,108	445	834	382	28
29	274	1,035	503	98		345	530	278	418	640	1,490	372	29
30	241	1,443	404	102		473	325	278	418	637	1,120	370	30
31	147		404	50		473		370		555	503		31
MEAN	273	628	727	655	373	436	880	283	570	568	834	647	MEAN
MAX.	761	1,779	2,140	2,240	700	1,120	3,421	603	1,108	1,120	1,490	1,470	MAX.
MIN.	61	152	296	50	87	71	204	185	417	0.0	197	370	MIN.
AC. FT.	16,770	37,340	44,700	40,280	21,390	26,820	52,360	17,430	33,930	34,950	51,310	38,510	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
570											415,900

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 48 02	121 37 09	SE 35 1S 3E				OCT 1968-DATE					

Delta Pumping Plant located 4.5 miles south of Bryon. Discharge computed from records of operation of pumps. Water diverted from Sacramento - San Joaquin Delta via Clifton Court Forebay and lifted about 240 feet into the canal. Prior to November 1969 water was diverted via Italian Slough.

TABLE B-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	B89100	MARSH CREEK NEAR BYRON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			0.0	2.7	38	27	4.9	2.6					1
2			0.0	2.2	35	16	4.7	2.8					2
3			0.0	1.8	31	13	4.5	2.7					3
4			0.0	1.5	28	105	4.9	1.9					4
5			0.0	1.3	26	48	4.8	1.6					5
6			0.0	1.1	22	28	4.7	1.8					6
7			0.0	1.2	20	24	4.5	2.3					7
8			0.0	2.1	18	22	4.6	2.9					8
9			0.0	6.1	17	21	4.3	2.9					9
10	N	N	0.0	26	16	24	4.3	2.9	N	N	N	N	10
11	O	O	0.0	17	14	18	4.4	2.8	O	O	O	O	11
12			0.0	14	16	17	4.5	2.8					12
13			0.0	11	29	16	4.7	2.5					13
14			0.0	220	26	14	5.2	2.3					14
15	F	F	0.0	85	17	14	5.5	1.8	F	F	F	F	15
16	L	L	0.0	319	17	13	4.8	1.4	L	L	L	L	16
17			0.0	154	53	12	4.1	1.3					17
18	O	O	0.0	80	30	11	3.9	0.9	O	O	O	O	18
19			0.0	55	24	10	4.2	0.8					19
20	W	W	18	55	21	9.9	3.6	1.3	W	W	W	W	20
21			40	814	19	9.6	3.7	1.1					21
22			24	240	17	9.2	3.5	1.0					22
23			7.4	109	16	8.8	3.5	0.7					23
24			42	234	15	8.2	3.3	0.4					24
25			50	102	14	7.3	3.4	0.3					25
26			25	72	12	6.6	3.6	0.0					26
27			13	92	12	5.7	4.0	0.0					27
28			8.1	57	14	5.9	4.7	0.0					28
29			5.8	48		6.0	3.7	0.0					29
30			4.0	46		5.9	2.6	0.0					30
31			3.2	43		5.3		0.0					31
MEAN	0.0	0.0	7.8	94.0	22.0	17.5	4.2	1.5	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	50	814	53	105	5.5	2.9	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	1.1	12	5.3	2.6	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	0.0	477	5,780	1,220	1,070	252	91	0.0	0.0	0.0	0.0	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW
\# — E AND *

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
12.3	1,620	7.95	1	21	1200	0.0		10	1	0000	8,900

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 52 25	121 43 35		3,880	11.62	1-31-1963	FEB 1953-DATE	FEB 1953-DATE	1953		177.87	USCGS

Station located 40 feet below highway bridge, 1.2 miles above Marsh Creek Dam, 5.0 miles west of Byron. Station affected by backwater from Marsh Creek Reservoir. Maximum gage height of record is 12.98 feet on December 23, 1955. Tributary to San Joaquin River. Records furnished by USGS. Drainage area is 42.6 square miles.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	G12200	BIDWELL CREEK NEAR FORT BIDWELL

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	4.3	4.4	4.0	4.4	17	18	23	16	83	18	7.8	4.6	1
2	4.6	4.4	4.0	4.4	16	16	23 *	21	88	17	7.5	4.5*	2
3	4.4	4.4	4.1*	4.4	16	16 *	24	32	96	16	7.3	4.4	3
4	4.3	4.4*	4.1	4.4	15	15	24	47	103	15	7.2	5.0	4
5	4.2	7.3	3.1	4.4	15	15	28	64 *	100	15	7.0	5.1	5
6	4.2	5.3	4.0	4.4	15	15	36	68	103	15	6.9	4.8	6
7	4.1	4.9	3.8	5.2*	14	19	39	61	95	14	6.8	4.7	7
8	4.9	4.7	3.8	5.0	15	20	36	74	85	14	6.8	4.5	8
9	4.5	4.5	3.6	4.4	15	19	37	87	77	13	6.7	4.4	9
10	4.9	4.6	3.6	4.0	16	19	42	78	76	13	6.4	4.5	10
11	4.4	4.6	3.6	3.8	19	19	40	65	69	13	6.2	4.8	11
12	4.2	4.6	4.8	4.0	23	18	36	55	61	12	5.9	4.6	12
13	4.3	4.4	5.0	4.8	22	21	32	47	56	12	6.0	4.8	13
14	4.6	4.3	4.3	6.4	20	27	29	42	50 *	12	5.9	4.9	14
15	4.8	4.4	3.9	6.6	19	28	26	46	45	11	5.7	4.9	15
16	6.6	4.4	3.6	11	19	28	22	63	43	11	5.6	4.7	16
17	5.7	4.0	3.5	17	18	27	21	96	41	11	5.5	4.7*	17
18	4.9	4.2	3.5	15	16	25	21	124	38	10	5.5	4.6	18
19	4.8	4.3	5.2	14	16	24	21	135	36	10	5.4	4.7	19
20	5.2	4.2	7.3	16	16	23	19	138	36	10	5.2	4.7	20
21	5.7	4.2	13	55	15	23	18	122	33	9.9	5.0	4.6	21
22	5.5	4.1	8.3	196	15	24	16	117	31	9.7	5.1	4.5	22
23	5.4	4.0	6.4	172	15	27	16	112	28	9.4	5.1	4.1	23
24	5.5	4.0	5.3	168	15	31	16	106	25	9.2	5.0	4.1	24
25	4.9	4.0	4.7	88	15	36	15	105	24	8.9	4.9	4.1	25
26	4.6	3.9	4.1	57	15	36	15	127	23	8.8	4.9	4.0	26
27	4.6	3.6	3.7	49	16	33	15	142	26	8.6*	4.8	3.8	27
28	4.7	3.2	3.6	34	18	31	14	127	33	8.5	4.7	3.8	28
29	4.6	3.3	3.6	28		30	14	109	24	8.4	4.5	3.7	29
30	4.6	3.9	4.4	23		28	15	98	21	8.3	4.6	3.5	30
31	4.6		4.4	20		25		90		8.1	4.5		31
MEAN	4.8	4.4	4.7	33.3	16.6	23.7	24.4	84.3	55.0	11.6	5.8	4.5	MEAN
MAX.	6.6	7.3	13.0	196	23.0	36.0	42.0	142	103	18.0	7.8	5.1	MAX.
MIN.	4.1	3.2	3.1	3.8	14.0	15.0	14.0	16.0	21.0	8.1	4.5	3.5	MIN.
AC. FT.	295	259	286	2050	924	1460	1454	5185	3271	714	358	266	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
22.8	260	4.06	01	23	2400	1.5	2.87	12	05	0745	16521

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
41 52 57	120 10 26	SE6 46N 16E	682	5.64	12/24/64	APR 55-OCT 57 8 MAY 58-DATE	APR 55-OCT 57 8 MAY 58-DATE	1958		0.00	LOCAL

Station located E of New Pine Creek-Fort Bidwell Highway, 2.0 mi. NW of Fort Bidwell. Tributary to Upper Alkali Lake. Stage-discharge relationship affected by ice at times. Drainage area is approximately 25.6 sq. mi.

8 - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	G15150	CEDAR CREEK NEAR CEDARVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.2	0.7	0.6	8.3	16	6.1	8.2	13	13	3.3	0.5	0.3	1
2	0.2	0.7	0.6	7.6	14	5.9	8.2*	13	13	3.2	0.5	0.3*	2
3	0.2	0.6	0.6*	7.3	14	5.6*	8.4	14	12	3.0	0.5	0.3	3
4	0.2	0.6*	0.6	7.4	13	5.5	8.6	14	11	2.8	0.5	0.3	4
5	0.2	0.8	0.6	7.0	12	5.1	8.4	14 *	11	2.6	0.5	0.3	5
6	0.2	0.9	0.6	7.0	11	5.1	8.6	14	10	2.4	0.4	0.3	6
7	0.2	0.9	0.6	7.0	10	5.4	9.1	15	9.5	2.2	0.4	0.3	7
8	0.2	0.9	0.6	7.1	9.9	5.9	9.3	15	9.1	2.1	0.4	0.3	8
9	0.2	0.8	0.6	7.2	9.3	6.1	9.5	16	8.8	1.9	0.4	0.3	9
10	0.3	0.8	0.6	7.2	9.0	6.1	9.8	16	8.6	1.8	0.4	0.3	10
11	0.2	0.8	0.6	7.1	8.8	6.1	10	17	8.5	1.7	0.4	0.3	11
12	0.3	0.8	0.8	7.1	8.7	6.2	10	17	8.0	1.5	0.4	0.3	12
13	0.3	0.8	0.9	8.2	8.7	6.4	10	17	7.6	1.4	0.3	0.3	13
14	0.3	0.8	0.9	12	8.6	7.0	11	18	7.1*	1.3	0.3	0.3	14
15	0.2	0.8	0.9	11	8.3	7.3	11	18	6.6	1.3	0.3	0.3	15
16	0.3	0.8	0.9	38	8.1	7.4	11	19	6.0	1.2	0.3	0.3	16
17	0.4	0.8	0.9	47	8.2	7.5	11	19	5.6	1.2	0.3	0.3	17
18	0.6	0.8	0.9	40	8.0	7.6	11	19	5.3	1.1	0.3	0.3	18
19	0.7	0.7	2.5	37	7.7	7.8	11	18	4.9	1.0	0.3	0.3	19
20	0.7	0.7	23	36	7.4	7.8	12	19	4.5	1.0	0.3	0.3	20
21	0.7	0.7	34	48	7.2	7.8	12	18	4.1	0.9	0.3	0.3	21
22	0.8	0.7	21	52	7.0	7.8	12	18	4.0	0.8	0.3	0.3	22
23	0.8	0.7	15	59	6.8	8.0	12	18	3.6	0.8	0.3	0.3	23
24	0.8	0.7	14	51	6.8	8.1	12	18	3.4	0.8	0.3	0.3	24
25	0.8	0.7	13	36	6.6	8.2	12	18	3.2	0.7	0.3	0.3	25
26	0.8	0.7	12	30	6.5	8.2	13	18	3.2	0.7	0.3	0.3	26
27	0.8	0.7	11	27	6.4	8.2	13	17	3.2	0.7*	0.3	0.3	27
28	0.8	0.7	11	24	6.2	8.2	12	17	3.3	0.6	0.3	0.3	28
29	0.7	0.6	9.8	22		8.2	13	17	3.3	0.6	0.3	0.2	29
30	0.7	0.6	8.8	20		8.3	13	16	3.3	0.6	0.3	0.2	30
31	0.7		8.4	18		8.3		15		0.6	0.3		31
MEAN	0.5	0.7	6.3	22.7	9.1	7.0	10.7	16.6	6.8	1.5	0.4	0.3	MEAN
MAX.	0.8	0.9	34.0	59.0	16.0	8.3	13.0	19.0	13.0	3.3	0.5	0.3	MAX.
MIN.	0.2	0.6	0.6	7.0	6.2	5.1	8.2	13.0	3.2	0.6	0.3	0.2	MIN.
AC. FT.	29	44	389	1395	504	431	635	1021	406	91	22	17	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
6.9	81	5.43	01	23	1500	0.20	2.53	10	07	0200	4985

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
41 31 48	120 11 15	SE6 42N 16E	81	5.43	1/23/70	MAY 58-DATE	MAY 58-DATE	1958		0.00	LOCAL

Station located above Cedarville-Alturas Highway culvert, immediately W of Cedarville. Tributary to Middle Alkali Lake. Stage-discharge relationship affected by ice at times. Drainage area is approximately 25 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	G17150	EAGLE CREEK AT EAGLEVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.0	2.2	3.7	0.7	4.1	4.0	6.7	6.0	44	33	7.9	2.6	1
2	2.0	2.2	3.5	0.7	2.9	4.6	6.3*	7.8	49	33	7.5	2.6*	2
3	1.9	2.2	3.5*	0.6	3.5	6.6*	6.3	12	61	33	7.0	2.6	3
4	1.9	3.1*	1.1	0.7	3.5	3.5	6.5	17	66	33	6.3	3.2	4
5	1.8	4.9	1.1	0.5	4.1	4.1	8.1	18 *	82	34	5.8	3.1	5
6	1.7	3.6	1.0	0.8	4.1	3.6	8.8	15	100	28	5.6	2.6	6
7	1.7	3.1	0.6	4.6*	4.1	4.2	9.3	13	74	23	5.5	2.6	7
8	2.1	3.0	0.5	4.9	4.1	4.4	8.8	14	58	21	4.9	2.5	8
9	2.1	2.7	0.5	4.9	4.3	4.5	9.1	13	52	18	4.3	2.5	9
10	2.1	2.6	0.5	6.1	4.6	5.6	9.9	12	41	17	3.9	2.3	10
11	1.9	2.6	0.5	7.2	4.9	4.3	9.4	10	33	14	3.1	2.3	11
12	1.7	2.5	1.0	8.3	5.0	4.5	8.5	10	29	10	2.6	2.3	12
13	1.7	2.3	0.9	10	4.7	4.8	8.3	10	25	9.3	2.6	2.4	13
14	1.8	2.2	0.8	10	3.5	5.2	8.2	10	24 *	9.1	2.5	2.4	14
15	2.5	2.3	0.7	9.6	4.1	4.7	7.7	12	25	8.5	2.7*	2.4	15
16	2.7	2.3	0.8	8.3	4.4	4.7	7.3	17	25	8.1	2.6	2.3	16
17	1.8	2.6	0.8	5.8	4.6	4.7	7.4	24	26	7.9	2.7	2.2*	17
18	1.6	2.6	0.8	2.8	4.4	5.5	7.4	27	32	7.9	3.0	2.2	18
19	1.5	2.6	1.3	0.7	2.9	5.7	6.8	25	43	8.4	2.9	2.4	19
20	1.8	2.6	4.2	0.5	3.2	5.2	7.3	24	48	7.8	2.8	2.4	20
21	1.9	2.6	9.0	0.7	3.5	5.1	6.5	24	51	7.2	2.8	2.3	21
22	1.8	2.5	1.0	3.1	3.7	5.4	6.3	25	56	7.1	3.0	2.2	22
23	1.7	2.5	0.9	12	4.0	5.9	6.2	26	64	6.7	3.0	2.2	23
24	1.8	2.2	0.8	14	3.8	7.0	6.1	27	60	6.4	3.0	2.2	24
25	1.5	2.1	0.8	11	3.6	7.8	6.0	28	52	6.2	2.9	2.2	25
26	1.4	2.1	0.7	9.4	3.8	7.4	6.0	38	58	5.9	2.8	2.2	26
27	2.2	2.1	0.6	6.1	3.8	6.7	5.7	48	65	8.0*	2.6	2.1	27
28	2.5	2.0	0.6	2.9	4.1	6.9	5.6	47	60	15	2.6	2.0	28
29	2.4	1.9	0.7	3.5		7.3	5.0	45	50	12	2.5	2.0	29
30	2.3	2.9	0.7	4.1		7.1	5.4	42	40	10	2.5	2.1	30
31	2.2		0.7	4.6		6.8		41		8.9	2.6		31
MEAN	1.9	2.6	1.4	5.1	4.0	5.4	7.2	22.2	49.8	14.8	3.8	2.4	MEAN
MAX.	2.7	4.9	9.0	14.0	5.0	7.8	9.9	48.0	100	34.0	7.9	3.2	MAX.
MIN.	1.4	1.9	0.5	0.5	2.9	3.5	5.0	6.0	24.0	5.9	2.5	2.0	MIN.
AC. FT.	119	153	88	316	221	333	430	1364	2961	907	231	142	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
10.0	116	3.06	06	06	0515	0.5	2.02	12	08	1815	7265

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
41 18 45	120 07 26	SE23 40N 16E				MAY 58-DATE	MAY 58-DATE	1958		0.00	LOCAL

Station located 0.6 mi. SW of Eagleville. Tributary to Middle Alkali Lake. Stage-discharge relationship affected by ice at times. Drainage area is 6.36 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	G31140	PINE CREEK AT EAGLELAKE NEAR SUSANVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	206	125	57	33	1.4	0.0	0.0	0.0	1
2	0.0	0.0	0.0*	0.0	165	103 *	48	25	0.9	0.0	0.0	0.0*	2
3	0.0	0.0	0.0	0.0	120	85	43	17	0.6	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	79	74	40	15 *	0.3	0.0	0.0	0.0	4
5	0.0	0.0*	0.0	0.0	89	59	35	15	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	100	54	32 *	18	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	107	89	30	22	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	10	126	195	28	27	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	26	149	179	27	32	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	42	156	126	23	36	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	55	150	90	21	37	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	50	207	80	20	40	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	41	224	93	21	42	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	28	168	145	25	40	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	27	126	209	35	31	0.0*	0.0	0.0	0.0	15
16	0.0	0.0	0.0	68	102	226	39	21	0.0	0.0*	0.0	0.0	16
17	0.0	0.0	0.0	185	47	227	43	14	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	182	81	182	35	10	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.4	180	99	139	35	9.3	0.0	0.0	0.0	0.0	19
20	0.0	0.0	11	165	88	125	38	9.3	0.0	0.0	0.0	0.0	20
21	0.0	0.0	79	224	77	118	38	9.4	0.0	0.0	0.0	0.0	21
22	0.0	0.0	101	370	69	123	29	9.7	0.0	0.0	0.0	0.0	22
23	0.0	0.0	62	624	60	132	25	8.9	0.0	0.0	0.0	0.0	23
24	0.0	0.0	25	884	47	138	23	7.8	0.0	0.0	0.0	0.0	24
25	0.0	0.0	58	636	40	145	19	6.8	0.0	0.0	0.0	0.0	25
26	0.0	0.0	48	629	47	141	21	5.5	0.0	0.0	0.0	0.0	26
27	0.0	0.0	28	499	63	116	28	4.7	0.0	0.0	0.0	0.0	27
28	0.0	0.0	18	375	98	102	36	3.5	0.0	0.0	0.0	0.0	28
29	0.0	0.0	7.9	336		93	36	2.8	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	291		85	34	2.4	0.0	0.0	0.0	0.0	30
31	0.0		0.0	250		73		1.9		0.0	0.0		31
MEAN	0.0	0.0	14.1	199	110	124	32.1	18.0	0.1	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	101	884	224	227	57.0	42.0	1.4	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	40.0	54.0	19.0	1.9	0.0	0.0	0.0	0.0	MIN.
AC. FT.			869	12252	6129	7678	1912	1105	6				AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
41.4	936	5.60	01	24	1645	0.0	1.35	10	01	0000	29951

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 39 56	120 47 07	NE1 32N 10E	936	5.60	1/24/70	JUL 56-DATE	JUL 56-DATE	1970		0.00	LOCAL

Station located above mouth, 18 mi. NW of Susanville. Tributary to Eagle Lake. Stage-discharge relationship affected by ice at times. Drainage area is approximately 227 sq. mi. Prior to Oct. 1969, gage located at Site 1 mi. upstream.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	G61705	LONG VALLEY CREEK NEAR HALLELUJAH

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.3*	2.8	4.4	4.0	277	33	11	14	4.6	3.2	0.9	0.6	1
2	1.3	2.7	4.4	3.2	258	31 *	10	13	4.0	3.1	0.9	0.6*	2
3	1.3	2.8	4.4	2.4	234	29	9.9	14	4.5	3.0	0.9	0.6	3
4	1.4	2.9	4.3	2.0	209	29	9.4	15 *	4.0	2.8	0.8	0.6	4
5	1.5	3.6	4.3	2.8	195	28	9.2	15	4.0	2.6	0.8	0.7	5
6	1.5	5.5*	4.3	3.0	178	27	9.0	17	3.5	2.5	0.8	0.7	6
7	1.6	4.2	4.1	4.1	164	26	8.8*	17	2.8	2.4	0.8	0.7	7
8	1.7	3.8	4.1	5.1*	153	26	9.3	17	3.0	2.2	0.8	0.7	8
9	1.7	3.8	4.0	11	140	25	9.9	17	3.5	2.0	0.8	0.8	9
10	1.8	3.7	3.8	14	126	24	11	17	3.9	1.9	0.8	0.8	10
11	1.8	3.7	3.8	12	118	23	12	17	3.8	1.8	0.8	0.8	11
12	1.9	4.3	3.8	12	112	23	13	16	4.0	1.6	0.8	0.8	12
13	2.0	4.2	3.8	13	103	22	14	15	4.4	1.4	0.8	0.8	13
14	2.1	4.1	3.7	111	94	21	15	14	3.8	1.3	0.8	0.9	14
15	3.2	3.9	3.7	20	88	21	16	13	3.6*	1.2	0.7	0.9	15
16	5.4	5.2	3.7	243	81	20	15	12	4.2	1.0*	0.7	0.9	16
17	5.1	3.7	4.4*	64	74	19	17	12	5.7	1.0	0.7	0.9	17
18	3.5	4.2	4.5	30	70	19	18	12	3.7	1.0	0.7	1.0	18
19	3.0	5.2	5.6	35	66	18	16	12	2.8	1.0	0.7	1.0	19
20	2.9	5.2	9.5	48	61	17	15	13	2.4	1.0	0.7	1.0	20
21	2.9	5.2	18	69	56	16	17	12	2.1	1.0	0.7	1.0	21
22	2.9	5.2	12	78	54	16	19	12	2.2	1.0	0.7	1.1	22
23	2.9	4.9	13	166	50	15	15	12	2.0	0.9	0.7	1.1	23
24	2.8	4.9	32	391	45	14	14	10	1.9	0.9	0.7	1.1*	24
25	2.7	4.9	22	181	43	14	13	8.9	1.9	0.9	0.7	1.1	25
26	2.8	4.7	9.2	184	40	14	13	8.8	2.1	0.9	0.6	1.0	26
27	2.8	4.7	6.2	500	37	13	15	8.6	9.5	0.9	0.6	1.0	27
28	2.7	4.7	3.7	383	35	13	16	8.1	5.2	0.9	0.6	1.0	28
29	2.6	4.6	5.2	361		12	15	7.1	4.4	0.9	0.6	1.0	29
30	2.7	4.6	4.5	330		12	15	6.0	3.4	0.9	0.6	1.0	30
31	2.8		4.3	299		11		5.1		0.9	0.6		31
MEAN	2.5	4.3	7.1	115	112	20.4	13.4	12.6	3.7	1.6	0.7	0.9	MEAN
MAX.	5.4	5.5	32.0	500	277	33.0	19.0	17.0	9.5	3.2	0.9	1.1	MAX.
MIN.	1.3	2.7	3.7	2.0	35.0	11.0	8.8	5.1	1.9	0.9	0.6	0.6	MIN.
AC. FT.	152	254	434	7104	6270	1252	794	775	220	95	45	52	AC. FT.

E — ESTIMATED
NR — NO RECORD
* — DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
# — E AND *

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
24.1	3520	9.16	01	24	0145	0.6	2.38	08	28	1530	17446

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 46 55	121 04 14	SW3 22N 17E	3520	9.16	1/24/70	DEC 57-DATE	DEC 57-DATE	1957		0.00	LOCAL

Station located at U. S. Highway 70 Bridge, 2 mi. west of Hallelujah Junction. Tributary to Honey Lake. Stage-discharge relationship affected by ice at times. Drainage area is approximately 100 sq. mi.

TABLE B-6

STREAMFLOW MEASUREMENTS
AT MISCELLANEOUS SITES

This table shows the discharge rate on various streams at locations other than those where continuous recorders are maintained.

TABLE B-6

STREAMFLOW MEASUREMENTS AT MISCELLANEOUS SITES

Stream	Location		Measurements		
	Latitude	Longitude	Date	Gage Height (ft)	Discharge (cfs)
Feather River at Yuba City	39°08'20"	121°36'17"	10- 7-69	41.34	3,095
			11-11-69	41.32	3,181
			12-16-69	43.24	6,312
			12-29-69	50.34	21,330
			1- 7-70	42.96	4,282
			1-15-70	61.24	66,760
			1-16-70	63.49	66,827
			1-22-70	67.51	53,500
			1-27-70	64.83	79,240
			2- 2-70	50.89	18,806
			3-11-70	49.20	15,235
			3-25-70*	42.00	2,890
			4-21-70	39.00	2,142
			5-21-70	40.03	1,763
			6-17-70	39.81	1,857
			8-26-70	41.98	4,545
			9-23-70*	41.52	4,820
			9-23-70	41.50	4,284
South San Joaquin Irrigation District Drain 11 near Manteca	37°45'38"	121°16'50"	10- 3-69	3.38	20.1
			1- 7-70	2.43	2.8
			2- 3-70	3.09	5.1
			3-11-70	2.92	4.6
			4-14-70	3.86	25.3
			4-20-70	4.04	21.6
			4-23-70	3.70	24.5
			5-12-70	3.92	23.4
			5-25-70	3.66	28.8
			5-28-70	3.36	19.0
			6- 5-70	3.66	21.7
			7- 8-70	3.27	18.2
			7-24-70	3.20	19.0
			8-25-70	3.25	18.9
			9-18-70	2.89	9.2
South San Joaquin Irrigation District Main Drain near French Camp	37°53'12"	121°15'58"	11-26-69	1.87	10.9
			4-14-70	4.34	49.7
			4-16-70	5.17	55.5
			4-23-70	5.96	56.0
			5-19-70	5.30	55.1
			6-15-70	5.45	53.2
			7- 8-70	3.08	37.0
			7-23-70	5.14	51.6
			8-25-70	8.34	37.8
			9-18-70	9.13	38.9

*Measured by the U. S. Geological Survey.

TABLE B-7

DIVERSIONS

Monthly diversion values have been rounded off as follows:

Individual Diversions
Acre-Feet

0.0	- 999	nearest	Unit
1,000	- 9,999	"	Ten
10,000	- 99,999	"	Hundred
100,000	- 999,999	"	Thousand

Total Monthly Diversion
Cubic Feet Second

All values to nearest unit.

Monthly Use in Percent

All values to nearest tenth.

TABLE B-7
DIVERSIONS - SACRAMENTO RIVER
(Sacramento to Verona)
October 1969 through September 1970

WATER USER	MILE AND BANK above Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
--TOWER BRIDGE - SACRAMENTO--	0.0														
--GAGING STATION - SACRAMENTO RIVER AT SACRAMENTO--	0.6L														
City of Sacramento	0.8L	3-18 2-20 2-24	2,490	1,680	1,550	1,530	1,330	1,960	2,770	3,870	4,020	4,700	4,490	3,790	34,180
--AMERICAN RIVER--	1.1L														
--BACK BORROW PIT RECLAMATION DISTRICT 1000--	1.3L														
--RECLAMATION DISTRICT 1000 DRAIN (Second Bannon Slough)--	2.1L														
Natomas Central Mutual Water Co. a	2.15L	1-8							10	42	40	22	17	15	146
--STAGE STATION - SACRAMENTO RIVER AT SACRAMENTO WEIR--	4.0R														
Natomas Central Mutual Water Company a	6.1L	2-18							976	1,005	1,103	1,257	995	431	5,767
--RECLAMATION DISTRICT 1000 DRAIN NO. 3--	6.85L														
Natomas Central Mutual Water Co. a	7.5L	1-8							23	47	43	72	25		210
Henry Ameo and E. C. Peabody	9.35R	1-14						46	168	156	189	145	94		798
Robbins Beatrice Clayton a	10.25L	1-14								79	95	55	58		287
Hanks, G. A. and Sons a	11.1R	1-12	70						57	113	137	162	56		595
Investment Operating Corporation a	12.0R	4-36	1,109						6,092	5,935	7,762	6,134	4,640	2,231	34,103
Natomas Central Mutual Water Company a	14.1L	1-24 1-30							761	2,158	2,390	3,022	2,120	922	11,373
Corporation of the President, Sacramento Stake Latter Day Saints Church a	15.1R	1-16							1	45		13	220		279
Natomas Central Mutual Water Company a	16.0L	1-24 2-32 2-38	22						4,017	4,501	5,379	5,475	5,619	1,483	26,496
Hershey Davidella, et al a	16.27R	1-20						NO DIVERSION							
Deseret Farms of California a	16.62R	1-14									183				183
Deseret Farms of California a	17.0R	1-14										66	172		238
Deseret Farms of California	17.75R	1-16										194	75	11	280
Deseret Farms of California	18.0R	1-20										138	440	15	593
SACRAMENTO TO VERONA Total			3,691	1,680	1,550	1,530	1,330	2,006	14,875	17,951	21,541	21,455	19,021	8,898	115,528
Average cubic feet per second			60.0	28.2	25.2	24.9	23.9	32.6	250.0	291.9	362.0	348.9	309.3	149.5	159.6
Monthly use in percent of seasonal			3.2	1.4	1.3	1.4	1.2	1.7	12.9	15.5	18.6	18.6	16.5	7.7	

a All data furnished by the U. S. Bureau of Reclamation for October and the period April through September.

DIVERSIONS - SACRAMENTO RIVER
(Verona to Knights Landing)
October 1969 through September 1970

WATER USER	MILE AND BANK above Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
--GAGING STATION - SACRAMENTO RIVER AT VERONA--	19.6L														
--CROSS CANAL - RECLAMATION DISTRICTS 1000 and 1001--	19.6L														
Natomas Central Mutual Water Company a	*(1.0S)	1-24 1-36	121						1,381	1,976	2,980	2,724	2,639	1,165	12,986
Natomas Central Mutual Water Company a	*(2.0S)	1-20 2-24							4,837	6,284	7,567	8,462	6,830	2,450	36,430
Pleasant Grove Verona Mutual Water a	*(3.3N)	2-24	4						581	1,563	1,459	1,903	1,859	396	7,765

TABLE B-7 (Cont.)
DIVERSIONS - SACRAMENTO RIVER
(Verona to Knights Landing) (Cont.)
October 1969 through September 1970

WATER USER	MILE AND BANK Above Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
Pleasant Grove Verona Mutual Water a	*(3.35N)	1-16													b
Pleasant Grove Verona Mutual Water a	*(3.45N)	1-14 2-36							738	1,468	1,386	1,776	1,908	357	7,633
--FEATHER RIVER--	20.9L														
--SACRAMENTO SLOUGH--	21.2L														
Deseret Farms of California	21.75R	1-16						NO DIVERSION							
Deseret Farms of California a	22.5R	1-24							110	73	54	95			332
--STAGE STATION - SACRAMENTO RIVER AT FREMONT WEIR EAST END--	22.58R														
Antonio Furlan, et ux a	26.6L	1-16						NO DIVERSION							
--STAGE STATION - SACRAMENTO RIVER AT FREMONT WEIR, WEST END--	27.9R														
Antonio Furlan, et ux a	28.2L	1-12									54				54
Wallace Construction Co., Inc. a	29.7R	1-14						NO DIVERSION							
Antonio Furlan, et ux a	30.5L	1-14							137	52	110	18	89		406
Wallace Construction Co., Inc. a	30.7R	1-10								1		1			2
Wallace Construction Co., Inc.	32.1R	1-14							258	675	603	611	444		2,591
Sutter Mutual Water Company a	32.4L	1-24 1-30 1-36							1,459	2,604	3,010	2,907	2,846	714	13,540
Leiser, Martha S., et al a,c	33.75L	1-12							48	269	307	261	298	38	1,221
--SOUTHERN PACIFIC RAILROAD BRIDGE--	33.95														
VERONA TO KNIGHTS LANDING															
Total			125						9,549	14,965	17,530	18,758	16,913	5.120	82,960
Average cubic feet per second			2						160	243	295	305	275	86	115
Monthly use in percent of seasonal			0.2						11.5	18.0	21.1	22.6	20.4	6.2	

* Mile 19.6L Cross Canal. Distance from Sacramento River and bank are shown in parentheses.
** Mile 28.1R. An old channel of Sacramento River. Distance from Sacramento River shown in parentheses.

a All data furnished by the U. S. Bureau of Reclamation for October and the period April through September.
b Diversions included in *(3.3N).
c Formerly listed as P. K., G. J. and W. N. Leiser.

DIVERSIONS - SACRAMENTO RIVER
(Knights Landing to Wilkins Slough)
October 1969 through September 1970

WATER USER	MILE AND BANK above Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
--GAGING STATION - SACRAMENTO RIVER AT KNIGHTS LANDING--	34.0L														
--KNIGHTS LANDING BRIDGE--	34.1														
--COLUSA BASIN DRAIN--	34.15R														
River Garden Farms Company a	34.5R	1-16 1-20 1-24							2,260	5,209	5,172	4,363	4,270	923	22,197
Title Insurance and Trust Co. a	35.2L	1-12						NO DIVERSION							
--RECLAMATION DISTRICT 787 DRAINAGE PLANT--	37.0R														
Sutter Mutual Water Co. a (State Ranch Bend)	40.6L	2-24 1-36	101						3,086	4,594	4,754	4,827	4,490	1,154	23,006
River Garden Farms Company a	41.0R	1-14 1-16							509	959	926	987	987	303	4,671
Reclamation District 2047 a	43.1R	3-50							5,768	3,940	4,099	725	212	4	14,748 b
Reclamation District 108 a	43.4R	1-10							35	90	54	85	111		375

TABLE 8-7 (Cont.)
DIVERSIONS - SACRAMENTO RIVER
(Knights Landing to Wilkins Slough) (Cont.)
October 1969 through September 1970

WATER USER	MILE AND BANK Above Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
--RECLAMATION DISTRICT 108 DRAINAGE PLANT--	44.0R														
John Clauss, Jr., et al a	44.2L	1-18							373	520	542	570	342		2,347
John Clauss, Jr., et al a	45.6L	1-14						NO DIVERSION							
--GAGING STATION - SACRAMENTO RIVER ABOVE R.D. 108 DRAIN PLANT--	46.4R														
John Clauss, Jr., et al a	46.45L	1-16							38	225	144	138	45		590
John R. Henle, et ux a	46.5L	1-14 1-20										76			76
Masanobu Oji, et al a	48.7L	2-22							265	738	320	437	81		1,841
Glenwood J. Hiatt, et al a	49.0L	1-14								186	74	168	71		499
Glenwood J. Hiatt, et al a	49.7L	1-14								150	288	199	303	98	1,038
Reclamation District 108 a (Tyndall Mound)	51.1R	1-16 1-18 2-24 1-36							1,084	4,071	3,725	6,103	5,467	1,724	22,174
William S. Keeler a	51.2L	2-16	1							128	391	504	199	42	1,265
Reclamation District 108 a (Howell Point)	53.8R	1-14 1-20 1-36							1,070	889	1,158	1,620	1,681	950	7,368
May B. Chaplin, et al a	55.1L	1-26							50	251	460	224	250		1,235
May B. Chaplin, et al a	56.3L	1-16						NO DIVERSION							
Reclamation District 108 a (Boyer Bend)	56.4R	1-12 1-18 2-22 1-36							2,266	2,772	2,954	3,986	3,422	871	16,271
May B. Chaplin, et al a	56.95L	1-20	10							415	583	521	359	36	1,924
Pelger Mutual Water District a	57.25L	1-24 1-30							999	159					1,158
Title Insurance and Trust Company a	58.3L	1-14									208	116	170		494
Reclamation District 108 a (South Steiner Bend)	59.15R	1-10 1-16							106	126	114	105	76	10	537
William A. Larner, et ux a	60.4L	1-14 1-16							300	304	439	443	433	129	2,048
Reclamation District 108 a	61.05R	1-12						NO DIVERSION							
Reclamation District 108 a (North Steiner Bend)	61.2R	1-16	12							100		100	57	35	304
Reclamation District 108 a	62.3R	1-10								113	42	135	123	108	521
Reclamation District 108 a	62.6R	1-4							3	4	20	26	5	12	70
KNIGHTS LANDING TO WILKINS SLOUGH															
Total			124	0	0	0	0	0	18,212	25,943	26,467	26,458	23,154	6,399	126,757
Average cubic feet per second			2	0	0	0	0	0	306	422	445	430	377	108	175
Monthly use in percent of seasonal			0.1	0.0	0.0	0.0	0.0	0.0	14.3	20.5	20.9	20.9	18.3	5.0	

a All data furnished by the U. S. Bureau of Reclamation for October and the period April through September.
b Includes 2,490 acre feet of water delivered to River Garden Farms Company as follows: April, 765; May, 754, June, 510; July, 454; August, 3; and September, 4.

DIVERSIONS - SACRAMENTO RIVER
(Wilkins Slough to Colusa)
October 1969 through September 1970

WATER USER	MILE AND BANK above Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
--GAGING STATION - SACRAMENTO RIVER BELOW WILKINS SLOUGH--	62.9R														
Reclamation District 108 a (Wilkins Slough)	63.2R	1-42 5-48							12,577	22,927	23,486	24,660	23,944	9,915	117,509
Sutter Mutual Water Co. a	63.75L	6-42 2-43							32,520	42,907	45,617	37,037	34,804	8,084	200,969

TABLE B-7 (Cont.)
DIVERSIONS - SACRAMENTO RIVER
(Wilkins Slough to Colusa) (Cont.)
October 1969 through September 1970

WATER USER	MILE AND BANK Above Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
Oji Bruthers Farm, Inc. a	63.9L	2-14							NO DIVERSION						
--STAGE STATION - SACRAMENTO RIVER AT TISDALE WEIR--	64.2L														
Tisdale Irrigation and Drainage Company a	64.4L	1-8 1-12							50	19	303	424	255	30	1,081
Tisdale Irrigation and Drainage Company a	67.1L	1-16 1-22							498	1,215	1,070	1,013	997	517	5,310
Newhall Land and Farming Company a	67.5L	1-12 2-24							1,454	1,685	1,970	300	286	135	5,830
--RECLAMATION DISTRICT 70 DRAINAGE PLANT--	68.8L														
Meridian Farms Water Company #5 a	68.8L	1-24							NO DIVERSION						
--EDDY'S FERRY SITE (GRIMES)--	69.45														
Reclamation District 108 a, b	70.4R	1-16 1-20							661	1,381	1,345	1,360	1,343	254	6,344
Meridian Farms Water Company #4 a	71.1L	2-18							184	1,176	1,458	1,358	1,392	655	6,223
Otterina Andreotti, et al a	72.1L	2-14	23						97		137	102	38	44	441
Froh Farms, Incorporated a	73.6R	1-10							NO DIVERSION						
Meridian Farms Water Company #3 a	74.8L	1-18							144	456	690	704	750	197	2,941
Meridian Farms Water Co. a	76.1L	1-10							NO DIVERSION						
Meridian Farms Water Co. a	76.15L	1-10							NO DIVERSION						
Olive Percy Davis, et al a	77.8R	1-12									303	68	77	115	563
Olive Percy Davis, et al a	78.15R	2-30	8						1,978	2,470	2,767	3,211	3,180	975	14,589
Olive Percy Davis, et al a	78.75R	2-12 1-16	18						518	801	757	547	541	388	3,570
Olive Percy Davis, et al a	78.8R	1-24							1,725	1,555	1,646	41			4,967
Meridian Farms Water Company #1 and #2 a	80.0L	1-18 1-30 1-36							1,725	2,993	3,671	2,584	2,752	1,237	14,962
Fred L. Tomlinson, et al a, c,	81.5L	1-16							66	146	185	186	29		612
Fred L. Tomlinson, et al a	81.8L	1-16								58	134	70	103		365
--BUTTE SLOUGH OUTFALL GATES--	84.0L														
Reclamation District 1004 a	85.3L	1-8									8	11	10		29
Swinford Tract Irrigation Co. a	87.7R	1-14								69	74	65			208
Colusa Irrigation Company a	89.2R	1-20							76	156	176	289	76		773
Reclamation District 1004 a	89.25L	1-18							487	317		84			888
WILKINS SLOUGH TO COLUSA															
Total			49	0	0	0	0	0	54,760	80,331	85,797	74,114	70,577	22,546	388,174
Average cubic feet per second			1	0	0	0	0	0	920	1,306	1,442	1,205	1,148	379	536
Monthly use in percent of seasonal			0.0	0.0	0.0	0.0	0.0	0.0	14.1	20.7	22.1	19.1	18.2	5.8	

a All data furnished by the U. S. Bureau of Reclamation for October and the period April through September.

b Formerly listed as Beckley, Ritchie, Poundstone and Andreotti.

c Formerly listed as Tomlinson Brothers and E. J. Burrows.

TABLE B-7 (Cont.)
DIVERSIONS - SACRAMENTO RIVER
(Colusa to Butte City)
October 1969 through September 1970

WATER USER	MILE AND BANK above Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
--GAGING STATION - SACRAMENTO RIVER AT COLUSA--	89.4R														
--COLUSA BRIDGE--	89.4														
Roberta Ditch Irrigation Company, Inc. a	90.7R	1-16 1-18	6						219	234	361	429	226	60	1,535
--STAGE STATION - SACRAMENTO RIVER AT COLUSA WEIR--	92.4L														
Wilson Lovvorn, et ux a	93.15R	1-24							391	48					439
Roger C. Wilbur a	95.25L	1-12 1-18								294	220	347	233	167	1,261
Joan Lewis, et al a	95.6L	1-16 1-20	487						705	708	690	509	199	225	3,523
J. T. Griffin, et al a	95.8L	1-16 1-26								318	210	340	306	71	1,245
Joyce Wells and Hunter Estate a	98.6L	1-16							171	464	649	337	366	131	2,118
Sactane Mutual Water Company a	99.25L	2-16	125						339	649	1,013	1,136	840	71	4,173
Helen May Forry a	99.8L	1-12 1-16								65	75	102	154		396
Helen May Forry a	100.0L	1-5									43	65	70		178
Colusa Properties, Inc. a	101.8L	1-14	1						49	52	206	84	193	29	614
Robert E. Carter a	102.9L	1-16						NO DIVERSION							
--STAGE STATION - SACRAMENTO RIVER OPPOSITE MOULTON WEIR--	103.3R														
--STAGE STATION - SACRAMENTO RIVER AT MOULTON WEIR--	103.6L														
Maxwell Irrigation District a	103.8R	2-20 1-24						NO DIVERSION							
Zumwalt Orchards, Inc. a	104.8L	1-6							20	116	82	1		58	277
H. W. Keller Trust a	106.0R	1-14							153	211	170	69			603
--PRINCETON FERRY--	112.0														
Reclamation District 1004 a	112.1L	2-30 1-36 1-50	3,003						3,288	9,450	8,105	7,532	7,439	2,903	41,720
Princeton-Codora-Glenn Irrigation District a	112.4R	3-24							2,707	2,241	2,342	2,658	2,375	305	12,628
Zumwalt Orchards, Inc. a	112.6L	1-6						NO DIVERSION							
COLUSA TO BUTTE CITY															
Total			3,622	0	0	0	0	0	8,042	14,850	14,166	13,609	12,401	4,020	70,710
Average cubic feet per second			59	0	0	0	0	0	135	242	238	221	202	68	98
Monthly use in percent of seasonal			5.1	0.0	0.0	0.0	0.0	0.0	11.4	21.0	20.0	19.3	17.5	5.7	

a All data furnished by the U. S. Bureau of Reclamation for October and the period April through September.

DIVERSIONS - SACRAMENTO RIVER
(Butte City to Red Bluff)
October 1969 through September 1970

WATER USER	MILE AND BANK above Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
--BUTTE CITY BRIDGE--	115.8														
--GAGING STATION - SACRAMENTO RIVER AT BUTTE CITY--	115.8L														
Princeton-Codora-Glenn Irrigation District a	123.9R	5-24	645						8,488	8,491	7,829	7,830	6,924	2,862	43,069
Provident Irrigation District a	124.2R	2-24 2-36 2-46	3,227						11,192	7,365	6,855	5,908	4,908	1,496	40,951
J. [illegible] a	124.3R	1-12						NO DIVERSION							

TABLE B-7 (Cont.)
DIVERSIONS - SACRAMENTO RIVER
(Butte City to Red Bluff) (contd.)
October 1969 to September 1970

WATER USER	MILE AND BANK Above Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
--GAGING STATION - SACRAMENTO RIVER AT ORD FERRY--	130.8R														
--STONY CREEK--	138.0R														
--BIG CHICO CREEK--	141.5L														
M & T, Incorporated a	141.5L	1-20 4-24	141						1,206	1,499	2,454	5,682	5,643	1,369	17,994
--OLD CHICO LANDING RAILROAD BRIDGE SITE--	142.1														
--GAGING STATION - SACRAMENTO RIVER AT HAMILTON CITY (GIANELLA BRIDGE)--	149.5L														
Glenn-Colusa Irrigation District a	154.8R	1-36 4-44 1-48 1-54 4-66 3-72 1-100	24,100						110,461	126,752	129,602	135,757	130,661	59,614	716,947
--GAGING STATION - SACRAMENTO RIVER AT VINA BRIDGE--	166.5R														
Corning Canal a	191.15R	3-20 3-30	1,040	210	120			436	2,650	3,480	4,000	5,170	4,420	3,450	24,976
BUTTE CITY TO RED BLUFF															
Totals			29,153	210	120	0	0	436	133,997	147,587	150,740	160,347	152,556	68,791	843,937
Average cubic feet per second			474	4	2	0	0	7	2,252	2,400	2,533	2,608	2,481	1,156	1,166
Monthly use in percent of seasonal			3.5	0.0	0.0	0.0	0.0	0.1	15.9	17.5	17.9	19.0	18.0	8.1	

a All data furnished by the U. S. Bureau of Reclamation for October and the period April through September.

DIVERSIONS - SACRAMENTO RIVER
(Red Bluff to Redding)
October 1969 through September 1970

WATER USER	MILE AND BANK above Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
--GAGING STATION - SACRAMENTO RIVER NEAR RED BLUFF--	198.6L														
Anderson-Cottonwood Irrigation District a	240.5L	4-16	1,200						3,230	3,220	3,120	5,150	2,070	3,030	21,020
Wintu Pumping Plant a	244.44L	4-20	183	87	32				14	223	462	809	701	731	3,242
Anderson-Cottonwood Irrigation District a	246.0R	Gravity	11,900						20,400	21,600	20,500	20,100	20,900	20,600	136,000 b
City of Redding	246.25L	2-6	15	3	1			2	13	23	20	22	33	24	156
City of Redding	246.7R	3-8	392	277	280	251	241	329	437	626	737	960	890	674	6,094
--GAGING STATION - SACRAMENTO RIVER AT KESWICK--	250.5R														
RED BLUFF TO REDDING															
Total			13,690	367	313	251	241	331	24,094	25,692	24,839	27,041	24,594	25,059	166,512
Average cubic feet per second			223	6	5	4	4	5	405	418	417	440	400	421	230
Monthly use in percent of seasonal			8.2	0.2	0.2	0.2	0.1	0.2	14.5	15.4	14.9	16.2	14.8	15.1	
SACRAMENTO RIVER - SACRAMENTO TO REDDING															
Total			50,454	2,257	1,983	1,781	1,571	2,773	263,529	327,319	341,080	341,782	319,216	140,833	1,784,578
Average cubic feet per second			821	38	32	29	28	45	4,429	5,323	5,732	5,558	5,191	2,367	2,479
Monthly use in percent of seasonal			2.8	0.1	0.1	0.1	0.1	0.2	14.7	18.2	19.0	19.0	17.8	7.9	

a All data furnished by the U. S. Bureau of Reclamation for October and the period April through September.

b Includes 13,769 acre feet of spil[illegible] October - 2,966; April - 7,158; May - 3,[illegible]; June - 130; and September - 205.

TABLE B-7 (Cont.)
DIVERSIONS - COLUSA BASIN DRAIN*
October 1969 through September 1970

WATER USER	MILE AND BANK **	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
--GAGING STATION - COLUSA BASIN DRAIN AT KNIGHTS LANDING (KNIGHTS LANDING OUTFALL GATES)--	0.25L														
River Garden Farms Company	0.3L	1-20							338	720	393	916	1,060	333	3,760
Layton Knaggs	4.65R (0.3)	2-24							561	27	695	543	381	24	2,231
Layton Knaggs	6.5R (1.5)	1-20							223	16	186	221	510		1,156
Layton Knaggs	7.5R (0.5)	3-16 1-20								394		742	490		1,626
George E. Youngmark	8.8R	1-14 2-16	102	66	1				289	1,070	1,210	1,390	1,100	265	5,493
Hershey Estate	11.15R	1-16 1-18							278	1,230	1,220	1,090	968	241	5,027
Hershey Estate	13.75R	1-16	84	69	66										219
C. M. Mumma	14.75R	1-10								108	97		97	27	329
--COUNTY LINE BRIDGE--	15.25														
Robert J. Rooney	18.5R (0.8)	1-14								202	65	255	190	86	798
--RECLAMATION DISTRICT 108 GRAVITY DRAIN--	19.9L														
Reclamation District 108	19.9L	1-16 1-24 1-30							332	1,540	894	686	953	513	4,918
Robert J. Rooney	20.0R	1-14 1-16		162	108	1				527	719	511	924	518	3,470
Colusa County Water District a	20.05R (1.2)	2-10 3-14 2-18	223	313	117	12	11	169	2,184	3,418	3,483	3,166	1,192	343	14,631
B. W. Whitmire and Son	21.35R	2-16		176	96	34			278	551	471	512	439	123	2,680
--HILLGATE ROAD BRIDGE--	22.7														
--SOUTHERN PACIFIC RAILROAD BRIDGE--	23.6														
Balsdon Ranch	24.6L (0.3)	1-14 2-16	652	283	76			207	265	1,190	1.320	1,400	1.640	866	7,899
--GRIMES - COLLEGE CITY CAUSEWAY--	25.5														
Loretta S. Christenson and Frederick J. Strain	25.9L	1-16 1-20 1-24							615	1,420	869	1.460	1,600	419	6,383
C. W. and M. F. Struckmeyer	27.25L (0.3)	2-16	488	30						467	348	760	921	695	3,709
William P. Wallace Ranch	28.0R	1-12 1-16									18	155	291		464
Olive Percy Davis, et al	29.8R (0.4)	1-16	388	497	426	124				127	49	348	93		2,052
Glenn-Colusa Irrigation District	29.8R (1.4)	1-20 3-38							1,840	1,170	1,100	2,660	2,270	322	9,362
Olive Percy Davis, et al	32.1R	1-16	375	339	268	139				94	22	251	43		1,531
--MERIDIAN - WILLIAMS BRIDGE--	32.15														
Federal Fish and Wildlife Service	32.6R	1-16	297	44						382	284	382	398	376	2,163
Richard Moore	33.5L	1-12 1-16	44	40		22			425	816	702	835	855	254	3,993
Federal Fish and Wildlife Service	36.65R	1-15 1-20	1,140	494	158					874	1,050	1,210	1,640	1,290	7,856
--GAGING STATION - COLUSA BASIN DRAIN AT HIGHWAY 20--	37.0 #														
COLUSA BASIN DRAIN															
Total			3,793	2,513	1,316	332	11	376	7,628	16,343	15,195	19,493	18,055	6,695	91,750
Average cubic feet per second			62	42	21	5	0	6	128	266	255	317	294	113	127
Monthly use in percent of seasonal			4.1	2.7	1.4	0.4	0.0	0.4	8.3	17.8	16.6	21.2	19.8	7.3	

* Carries return water from Colusa Basin along west border of Reclamation District 108 and 787, and then discharges to Sacramento River at Mile 34.15R or partial diversion via Knights Landing Ridge Cut.

** Mileage along Colusa Basin Drain from junction with Sacramento River

\# Station located on bridge at or near center of stream.

a Records furnished by the U. S. Bureau of Reclamation.

TABLE B-7 (Cont.)
DIVERSIONS - YOLO BYPASS
(East Borrow Pit or Tule Canal)
October 1969 through September 1970

WATER USER	MILE AND BANK *	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
Florence and Lillian Swanston	1.8S (0.5)	1-14						NO DIVERSION							
Florence and Lillian Swanston	1.5S	1-14						NO DIVERSION							
Florence and Lillian Swanston	0.8S	1-16						NO DIVERSION							
Florence and Lillian Swanston	0.5S	1-16						137	617	472	409	443	159		2,237 a
--STAGE STATION - YOLO BYPASS ABOVE SACRAMENTO BYPASS--	0.0														
Florence and Lillian Swanston	1.8N	1-16 1-20						NO DIVERSION							
Martha Ensher	2.4N	1-16							138	99	436	501	460	287	1,921
--SACRAMENTO-WOODLAND HIGHWAY--	6.18N														
--SACRAMENTO-WOODLAND RAILROAD BRIDGE--	6.2N														
--CACHE CREEK--	7.0N														
--KNIGHTS LANDING RIDGE CUT--	9.6N														
YOLO BYPASS (East Borrow Pit or Tule Canal															
Total								137	755	571	845	944	619	287	4,158
Average cubic feet per second								2	13	9	14	15	10	5	6
Monthly use in percent of seasonal								3.3	18.2	13.7	20.3	22.7	14.9	6.9	

* Mileage is given northerly or southerly from North Levee of Sacramento Bypass. Diversions from East Borrow Pit of Yolo Bypass are primarily from water diverted through Knights Landing Ridge Cut.

a Does not include water pumped during March by a portable unit.

DIVERSIONS - LOWER BUTTE CREEK AND BUTTE SLOUGH
October 1969 through September 1970

WATER USER	MILE AND BANK *	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
								LOWER BUTTE CREEK							
Reclamation District 1004	0.9R	1-16		185	126				74	399	812	411	438	203	2,648
Reclamation District 1004	3.2R	1-14						NO DIVERSION							
Reclamation District 833	3.3L	1-16								155	644	660	448	2	1,909
Colusa Shooting Club	4.1L	1-16	181						21	214	207	110		165	898
West Butte Farms Company	4.25L	1-18									102	177	52		331
Reclamation District 1004	4.3R	1-20 1-24							129	1,040	1,030	987	1,060	312	4,558
Anzar Farms a	5.7L	1-12 1-14 b										39	38		77
Field and Tule	7.1L	1-10						NO DIVERSION							
White Mallard Duck Club	11.8R	Gravity	728	186	502										1,416
White Mallard Duck Club	11.8R (0.5)	1-12 2-14 b		502	370	185				396	518	468	300		2,739
White Mallard Duck Club	11.8R (1.95)	Gravity	2,210	3,000	1,550										6,760
White Mallard Duck Club	11.8R (2.45)	Gravity	528	1,220	857										2,605
Reclamation District 1004	11.8R (2.6)	Gravity	3,520	3,100	2,660	309			621	1,740	1,600	2,140	3,020	1,200	19,910
Butte Basin Gun Clubs	11.9L	Gravity													c
Reclamation District 1004	Opp. 14.4R (0.2)	Gravity		1,060	1,780				266	1,540	1,270	2,020	2,330	746	11,012
Compton Hills Ranch	Opp. 14.4R (0.4)														d
Compton Hills Ranch	Opp. 14.5R (0.[illegible])														d
Butte Basin Gun Clubs	15.3L	Gravity													c

TABLE B-7 (Cont.)
DIVERSIONS - LOWER BUTTE CREEK AND BUTTE SLOUGH (CONT.)
October 1969 through September 1970

WATER USER	MILE AND BANK *	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
--GRIDLEY ROAD BRIDGE--	15.4														
Compton Hills Ranch	19.3R	1-16													d
--BIGGS-AFTON ROAD BRIDGE--	19.4														
Compton Hills Ranch	Opp. 19.6R (0.8)	1-14													d
Homer Charles	Opp. 20.7R (0.8)	2-16		49	22				38	345	298	376	379	134	1,641
McGowan Brothers	Opp. 20.9R (0.5)	1-16								206	257	277	240	62	1,042
McGowan Brothers	21.0R	1-16 b 1-20							73	492	550	561	286		1,962
E. McPherrin	21.1L	1-16 1-20		452	237					127	397	634	595		2,442
Dorothy Hulen	Opp. 21.4R (1.0)	1-16							142	236	266	266	241	109	1,260
McGowan Brothers	Opp. 22.4R (0.7)	1-16						NO DIVERSION							
McGowan Brothers	Opp. 22.4R (1.1)	1-16	36	53	51										140
--RICHVALE-BUTTE CITY ROAD BRIDGE--	22.5														
Harris Lands	23.0L	1-16		24					43	84	80	98	95	59	483
McGowan Brothers	23.0R	2-16 e 1-20							114	281	385	444	431	151	1,806
McGowan Brothers	23.0R (0.6)	2-16 e							374	451	597	737	729	184	3,072
McGowan Brothers	23.0R (1.7)	1-16						NO DIVERSION							
McGowan Brothers	23.0R (2.4)	2-16 e 2-20							1,210	843	1,370	1,160	1,350	233	6,166
McGowan Brothers	Opp. 24.5R (1.4)	1-16							45	136	192	234	121		728
Quandt, Read and C. K. Farms	25.6L	1-8						NO DIVERSION							
Quandt, Read and C. K. Farms	25.6L (0.6)	1-16 1-18	19	131	70	7			431	1,060	1,030	424	718	86	3,976
Rio Bonita Ranch	26.1L (0.2)	2-16							516	403	538	569	398	59	2,483
Arrowhead Ranch	27.9R	1-16							40		74	47	16		177
Arrowhead Ranch	28.0R							NO DIVERSION							
Arrowhead Ranch	f 29.2	2-16								304	513	464	459	133	1,873
Wilfried H. Barmann	30.3L	1-12						NO DIVERSION							
--WESTERN CANAL DAM--	30.3														
	**							BUTTE SLOUGH							
--SACRAMENTO RIVER JUNCTION--	0.0														
Butte Slough Irrigation Company	0.0	Gravity													g
Reclamation District 1004	0.02E	1-14 1-16							421	594	520	586	566	169	2,856
M. Marty	0.3W	1-10	18						98	75	84	52	90	45	462
Joe Marty	0.4W	1-12							36	124	119	132	152	123	686
--BUTTE CREEK--	0.6E														
Louis and Richard Tarke h	0.9E	1-7 f 1-16						NO DIVERSION							
Louis and Richard Tarke h	1.4E	1-8						NO DIVERSION							
Fred Tarke	1.9W	1-14						NO DIVERSION							
C. W. Rowley	2.5W	1-14							60	58	123	130	86	50	507
J. E. Smith	3.0W	1-10												7	7
Pearl Clark and Alice Brewer	3.5W	1-10							2	2	2	4	8	2	20
--GAGING STATION-BUTTE SLOUGH NEAR MERIDIAN--	3.6W														
P. A. Reische	3.7W	1-10									13	14			27
Frank Pirtle	4.08W	1-6									2	2			4
P. A. Reische	4.1W	1-10								27	94	8	55		184
James Tarke	4.3E	1-6						NO DIVERSION							
W. J. Hankins	4.8W	1-12									106	62	33		201
P. B. Hansen and W. J. Hankins	5.1W	1-12									97	121	25	30	273
Tarke Brothers and Anderson	6.2W	1-6										50	34		84
Edward E. Nall	6.3W	1-12						NO DIVERSION							
LOWER BUTTE CREEK AND BUTTE SLOUGH															
Total			7,240	9,962	8,225	501	0	0	4,754	11,332	13,890	14,464	14,793	4,264	89,425
Average cubic feet per second			118	167	134	8	0	0	80	184	233	235	241	72	124
Monthly use in percent of Seasonal			8.1	11.1	9.2	0.6	0.0	0.0	5.3	12.7	15.5	16.2	16.5	4.8	

* Mileage on Butte Creek from junction with Butte Slough at Mile 0.6E.
** Mileage on Butte Slough from junction with Sacramento River at Mile 84.0L.
a Formerly listed as El Anzar, Incorporated.
b Temporary installation in 1970.
c Records insufficient to compute monthly acre feet.
d No record available.
e One 16" unit was a temporary installation during 1970.
f Plant diverts water to both sides of Butte Creek.
g Flow in Butte Slough derived from Butte Creek, is controlled by outfall gates at junction with Sacramento River and is thereby retained in Butte Slough to discharge into East and West Borrow Pits of Sutter Bypass near "Long Bridge". The outfall gates are maintained by the Department of Water Resources and are operated cooperatively with the Butte Slough Irrigation Company. See Sutter Bypass Diversions.

TABLE B-7 (Cont.)
DIVERSIONS - SUTTER BYPASS
October 1969 through September 1970

WATER USER	MILE AND BANK *	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
							WEST BORROW PIT OF SUTTER BYPASS (a)								
--SOUTHERN PACIFIC RAILROAD BRIDGE--	2.5														
C. Fred Holmes b	8.0L	1-18						NO DIVERSION							
--STATE HIGHWAY 113 CAUSEWAY--	12.7														
Sutter Mutual Water Company	17.5R	1-18						NO DIVERSION							
--SOUTH LEVEE OF TISDALE BYPASS--	18.9R														
Crepps and Middleton c	19.1L	1-12								78					78
--RECLAMATION DISTRICT 1660 GRAVITY DRAIN--	19.3R														
G. Guisti and Sons	23.7R	1-16 1-24							547	1,040	1,100	987	1,170		4,844
Butte Slough Irrigation Company Limited	24.6R	1-18						NO DIVERSION							
Central Gun Club b	24.65L	1-12	223	76	92										391
Central Gun Club b	24.8L	1-16							17	309	286	289	296	58	1,255
Butte Slough Irrigation Company Limited	25.0R	Gravity							302	473	474	616	559		2,424
Butte Slough Irrigation Company Limited	28.4R	Gravity						165	1,530	2,110	2,050	2,850	2,930	936	12,571
Fred Tarke	28.6R	1-4 1-10						NO DIVERSION							
G. A. Frye	29.0R	1-8									11				11
--STATE HIGHWAY 20 BRIDGE--	29.1														
Fred Tarke	29.2R	1-10								4	38	41	33	7	123
--SACRAMENTO NORTHERN RAILROAD BRIDGE--	29.25														
	**						EAST BORROW PIT OF SUTTER BYPASS (a)								
C. Fred Holmes b	1.5S	1-14						NO DIVERSION							
Agrivest Corporation b	0.95S	1-3 d 1-6 d 2-16 d	228	107	21					364	338	392	96	363	1,909
Hamatani Nicolaus Ranch	0.5S	1-18						NO DIVERSION							
--WILLOW SLOUGH--	0.0														
Agrivest Corporation b	0.5N	2-16							198	871	590	942	1,230	418	4,249
--RECLAMATION BOARD DRAINAGE PLANT #1--	1.4N														
Cliff P. Childers	* (0.2)	1-16							24		17	48			89
Cliff P. Childers	* (0.3)	1-16	6	30	10				284	597	654	669	740	83	3,073
Cliff P. Childers	* (1.29)	1-16								43	86	66	108		303
E. H. Christensen and Sons	* (1.32)	1-16								150		163	156	115	584
E. H. Christensen and Sons	* (1.45)	1-14							48	366	403	424	421	145	1,807
E. H. Christensen and Sons	* (1.75)	2-16	93	188	51	65			239	886	873	417	446	147	3,405
E. H. Christensen	* (2.8)	1-12							2	112	62	67	77	28	348
E. H. Christensen	* (3.5)	1-18	70	123	91	57			168	522	562	568	582	160	2,903
Oji Brothers	* (3.6)	1-10								57	25	34	16		132
E. H. Christensen	* (3.6)	1-12								1	204	76	70	46	397
E. H. Christensen	* (3.9)	1-12							176	464	430	396	436	99	2,001
E. H. Christensen	* (4.1)	1-16							50	411	437	454	460	163	1,975
E. H. Christensen	* (4.29)	1-16							51	161	260	207	72		751
Oji Brothers	* (4.29)	1-10	20							60		20	29		129
E. H. Christensen	* (4.3)	1-12							2	16	30	23			71
Rai Brothers	* (4.3)	1-12						NO DIVERSION							
E. H. Christensen	* (4.33)	1-16									164		196	69	429
E. H. Christensen	* (4.35)	1-18	76							125	175	100	175	31	682
Agrivest Corporation b	1.5N	1-16						NO DIVERSION							
Agrivest Corporation b	2.9N	1-14							38	87	114	110	154		503
Neal Westrope b	4.0N	1-14 1-16	130	346						383	873	1,060	1,080	174	4,046
--STATE HIGHWAY 113 CAUSEWAY--	4.3N														
Neal Westrope b	4.5N	1-14								545	580	592	536		2,253
Frank Guisti b	5.4N	1-14	398	510	315					331	379	453	459	3	2,848
Ira Mulligan	5.7N	1-16						NO DIVERSION							

TABLE B-7 (Cont.)
DIVERSIONS - SUTTER BYPASS (Cont.)
October 1969 through September 1970

WATER USER	MILE AND BANK **	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
Lucille Orrick b	5.9N	1-14								562	360	380	386	110	1,798
J. Etcheverry	5.91N	1-14							45	375	443	535	507	188	2,093
O. O. Orrick b	6.9N	1-10 1-16	90	211	193					165	448	299	188		1,594
Ira Mulligan	7.1N	1-16						NO DIVERSION							
--GILSIZER SLOUGH--	8.0N														
Neal Westrope b	8.0N (0.45)	1-16								574	575	582	513		2,244
Crepps and Middleton b	8.4N	1-16	317							110	36	196	22		681
Crepps and Middleton b	9.4N	1-15								269	143	210	167	26	815
--RECLAMATION BOARD DRAINAGE PLANT #2--	10.0N														
Crepps and Middleton b	10.1N (0.1)	1-12 c 1-16							113	213	353	340	332	72	1,423
Crepps and Middleton b	10.1N (0.5)	1-12 c 2-16	671	597	73				94	673	720	650	600	116	4,194
Federal Fish and Wildlife Service b	11.5N	1-12	331	199								35	10		575
Federal Fish and Wildlife Service b	16.3N	Gravity	1,980	1,710	1,190					387	1,000	1,280	2,230	2,120	11,897
R. A. Schnabel b	16.4N	1-8		16	11					56	39	35	67	28	252
--WADSWORTH CANAL--	16.5N														
R. A. Schnabel	" v (1.0L)	1-16						NO DIVERSION							
Fred S. Betty	" v (1.0R)	1-10	8						115	262	233	232	213	62	1,125
H. O Brown and A. H. Muns	" v (1.35R)	1-16 1-20							237	724	688	685	639	372	3,345
Vesper Kellogg	" v (1.5L)	1-14								301	337	352	329	238	1,557
Albert Thomasen	" v (1.7R)	1-16							154	388	361	364	366		1,633
--STATE HIGHWAY 20 BRIDGE--	" v (2.0)														
Fred S. Betty	" o (0.9)	1-8						30	28	48	32	43	27	27	235
Fred S. Betty	" o (1.0)	1-10	19						78	64	59	55	57	33	365
Fred S. Betty	" o (1.2)	1-10							20	24	60	80	81	28	293
Fred S. Betty	" o (1.3)	1-8 1-10 c 1-14							185	426	394	416	306	74	1,801
Fred S. Betty	" o (1.4)	1-12								38	34	41	42	14	169
Mrs. H. C. and C. H. Epperson	" o (1.49)	1-10									113	187	136		436
Mrs. H. C. and C. H. Epperson	" o (1.5)	2-12							198	398	578	650	656	343	2,823
T. Bihlman	" o (1.85)	1-14						NO DIVERSION							
Mrs. H. C. and C. H. Epperson e	" o (1.9)	1-16								37	32		72	22	163
Robert Stohlman	" o (2.0)	1-16						NO DIVERSION							
Mrs. H. C. and C. H. Epperson	" o (2.65)	1-8						NO DIVERSION							
Elden Tarke	" o (3.0)	1-14 1-16						NO DIVERSION							
Robert Stohlman	" o (3.0)	1-18						NO DIVERSION							
William Pendola	" o (3.55)	1-12 1-14	25						145	44	158	191	256	170	989
Edward Dean b	16.7N	1-12	53	59	16					98	62	81	84	44	497
Edward Dean b	16.75N	2-14									94	229	107		430
Fred Tarke and Sons b	17.5N	1-6									32		41		73
Epperson, Meyer, DeWitt, and Middleton	19.1N	1-12									345	375	343		1,063
Kermit Tarke b	19.5N (0.1)	1-10									42	60	52		154
T. S. Madden	19.9N	1-16								73		132	117	159	481
Kermit Tarke b	19.98N	1-6						NO DIVERSION							
SUTTER BYPASS															
Total			4,738	4,172	2,063	122	0	195	5,088	16,875	18,986	20,779	21,473	7,291	101,782
Average cubic feet per second			77	70	34	2	0	3	86	274	319	338	349	123	141
Monthly use in percent of seasonal			4.7	4.1	2.0	0.1	0.0	0.2	5.0	16.6	18.7	20.4	21.1	7.2	

* Mileages on West Borrow Pit are given northerly from drain plant of Reclamation District 1500. Mile 9.15 on West Borrow Pit is opposite Chandler.
** Mileages on East Borrow Pit are given northerly or southerly from Chandler.
" * Plant is on main drain canal for Drainage Plant No. 1 that joins East Borrow Pit of Sutter Bypass at Mile 1.4N. Figure in parentheses indicates distance along drain from East Borrow Pit.
" v Plant is on Wadsworth Canal that joins East Borrow Pit of Sutter Bypass at Mile 16.5N. Figure in parentheses indicates distance along canal from East Borrow Pit.
" o Plant is on Poodle Creek that joins East Borrow Pit of Sutter Bypass at Mile 16.7N. Figure in parentheses indicates distance along creek from East Borrow Pit.

\# Station located on bridge at or near center of stream.
a Water used for irrigation in Sutter Bypass is mainly Feather River return water which enters East and West Borrow Pits via Butte Creek, Butte Slough, and Wadsworth Canal.
b Indicates area irrigated is within Bypass.
c Temporary installation in 1970.
d The 3", 6" and one 16" unit were temporary installations in 1970
e New installation in 1970.

TABLE B-7 (Cont.)
DIVERSIONS - FEATHER RIVER
October 1969 through September 1970

WATER USER	MILE AND BANK Above Mouth	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
--NICOLAUS BRIDGE--	9.2														
--GAGING STATION - FEATHER RIVER AT NICOLAUS--	9.2L														
Hamatami Brothers	9.75R	1-20 1-30	44						399	1,900	1,570	1,900	2,020	1,300	9,133
--BEAR RIVER--															
Garden Highway Mutual Water Company	13.1R	2-20 1-24							2,205	2,973	2,917	3,183	2,598	758	14,634
Feather Water District a	15.2R	3-14	48						449	1,040	1,545	1,680	797	230	5,809 a
Plumas Mutual Water Company	17.5L	2-18							1,030	1,710	1,650	1,520	949	937	7,796 b
Tudor Mutual Water Company	18.4R	2-30 1-35							304	818	1,190	1,340	749	524	4,925
Feather Water District a	20.4R	4-26	77						912	1,835	2,806	2,588	1,322	818	10,358
Oswald Water District	21.4R	2-16							185	370	317	480	100	136	1,588
--GAGING STATION - FEATHER RIVER BELOW SHANGHAI BEND--	23.0R														
--YUBA RIVER--															
--GAGING STATION - FEATHER RIVER AT YUBA CITY--	28.0#														
--5TH STREET BRIDGE--	28.0														
--10TH STREET HIGHWAY BRIDGE--	28.2														
City of Yuba City c	29.6R	3-20	265	157	138	133	125	192	339	532	586	741	681	520	4,409
Sutter Extension Water District d	38.1R	1-36 1-46 1-48							5,387	8,997	8,817	6,062	2,473	365	32,101
--HONCUT CREEK--	43.7L														
--GAGING STATION - FEATHER RIVER NEAR GRIDLEY--	49.7R														
--FEATHER RIVER OUTLET AT THERMALITO AFTERBAY--	58.2R														
--GAGING STATION - FEATHER RIVER AT OROVILLE--	65.3R														
--THERMALITO DIVERSION DAM--	65.6														
Western Canal Outlet @ Thermalito Afterbay	19/3-18D**	Gravity	14,810	13,240	4,504				21,340	29,940	30,550	31,010	28,010	10,210	183,614
Richvale Canal Outlet @ Thermalito Afterbay	19/3-18D**	Gravity	230						8,582	13,450	12,500	12,780	11,510	5,478	64,530
P.G.& E. Outlet @ Thermalito Afterbay	19/3-19E**	Gravity							516	594	615	576	570	150	3,021
Sutter Butte Canal Outlet @ Thermalito Afterbay	18/3-5B**	Gravity	22,620	1,855	5			4,096	64,550	81,700	78,660	86,600	83,370	52,410	475,866
--OROVILLE DAM--	70.4														
FEATHER RIVER															
Total			38,094	15,252	4,647	133	125	4,288	106,198	145,859	143,723	150,460	135,149	73,856	817,784
Average cubic feet per second			620	256	76	2	2	70	1,785	2,372	2,415	2,447	2,198	1,241	1,130
Monthly use in percent of seasonal			4.7	1.9	0.6	0	0	0.5	13.0	17.8	17.6	18.4	16.5	9.0	

** Diversions are via Thermalito Afterbay. Figures represent North Townships, East Ranges and Sections. Letters represent the 1/4-1/4 sections which are lettered from A through R excluding I and O, similar to the numbering of sections within a township.
# Station located on bridge at or near center of stream.

a Records furnished by U. S. Bureau of Reclamation.
b Includes an undetermined amount of spill to river.
c Records furnished by City of Yuba City.
d Records furnished by Sutter Extension Water District.

TABLE B-7 (Cont.)
DIVERSIONS - YUBA RIVER
October 1969 through September 1970

WATER USER	MILE AND BANK Above Mouth	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
--HIGHWAY 99E BRIDGE--	0.0														
--SIMPSON LANE BRIDGE--	0.9														
--GAGING STATION - YUBA RIVER NEAR MARYSVILLE--	5.2L														
--DAGUERRE POINT DAM--	11.0														
Hallwood Irrigation Company	11.0R	Gravity	8,780	4,900	3,350	642	0	0	13,600	16,800	16,600	17,900	17,300	10,600	110,472
Cordua Irrigation District	11.0R	Gravity	8,520	7,360	7,260	2,320	0	0	8,060	10,200	10,100	10,900	11,200	6,260	82,180
Browns Valley Irrigation District	11.7R	1-12 1-16 1-6 1-24	1,530	1,940	723	301	104	0	1,570	2,660	2,500	2,670	2,580	896	17,474
--DRY CREEK--	13.1R														
--HIGHWAY 20 BRIDGE--	17.1														
--DEER CREEK--	21.8L														
--ENGLEBRIGHT DAM--	22.8														
YUBA RIVER															
Total			18,830	14,200	11,333	3,263	104	0	23,230	29,660	29,200	31,470	31,080	17,756	210,126
Average cubic feet per second			306	239	184	53	2	0	390	482	491	512	505	298	290
Monthly use in percent of seasonal			9.0	6.8	5.4	1.6	0	0	11.0	14.1	13.9	15.0	14.8	8.4	

DIVERSIONS - AMERICAN RIVER
October 1969 through September 1970

WATER USER	MILE AND BANK Above Mouth	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
--GAGING STATION - AMERICAN RIVER AT SACRAMENTO (H Street)--	6.0#														
City of Sacramento a	6.9L	1-20 1-24 1-30 2-36	2,550	1,900	1,690	1,630	1,450	2,060	2,910	3,820	3,910	4,460	4,270	3,450	34,100
--WATT AVENUE BRIDGE--	6.8														
Carmichael Irrigation District b	14.76R	1-10 2-12	146	154	26				108	157	272	258	269	264	1,654
Carmichael Irrigation District b	16.0R	4-10 4-12 1-14	925	387	381	317	199	272	604	877	1,190	1,270	1,310	1,120	8,852
--FAIR OAKS BRIDGE--	19.0														
AMERICAN RIVER															
Total			3,621	2,441	2,097	1,947	1,649	2,332	3,622	4,854	5,372	5,988	5,849	4,834	44,606
Average cubic feet per second			59	41	34	32	30	38	61	79	90	97	95	81	62
Monthly use in percent of seasonal			8.1	5.5	4.7	4.4	3.7	5.2	8.1	10.9	12.1	13.4	13.1	10.8	

Station located on bridge near left bank.
a Records furnished by City of Sacramento.
b Records furnished by Carmichael Irrigation District.

TABLE B-7 (Cont.)
DIVERSIONS - PUTAH CREEK*
October 1969 through September 1970

WATER USER	MILE AND BANK above Mouth	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
T. S. Glide	0.8L	a 1-14													
Cowell Foundation	1.3R	1-12						42	77						119
Cowell Foundation	1.6R	1-12													
Mary Jane Hamel Estate	2.7R	a 1-10 1-16							184						184
Mary Jane Hamel Estate	2.8L	1-8 a 1-16							141						141
Dow Chemical Company	2.85R	b 1-4													
Dow Chemical Company	2.9R	b 1-4													
Dow Chemical Company	3.5R	b 1-4													
Dow Chemical Company	3.7R	b 1-4													
--COUNTY LINE ROAD BRIDGE--	3.8														
W. E. Hansen	3.8R	a 1-6													
W. E. Hansen	4.3L	1-8													
W. B. & P. W. Schoeningh	4.8R	1-15													
--GAGING STATION - SOUTH FORK PUTAH CREEK NEAR DAVIS--	7.2#														
--PLAINFIELD ROAD BRIDGE--	10.0														
J. R. and Cornelia S. Phillips	11.9R	a 1-4													
J. R. and Cornelia S. Phillips	12.65R	1-6													
--GAGING STATION - PUTAH CREEK ABOVE DAVIS--	12.8#														
--STEVENSON ROAD BRIDGE--	12.8														
B. S. Wolfe, Jr.	13.1L	1-5													
W. Lider	13.3L	1-1 1/2							1						1
Fentzling Ranch	13.9L	1-7													
Chew Brothers	14.5L	1-12						100	132						232
--GAGING STATION - PUTAH CREEK BELOW WINTERS (BOYCE ORCHARD)	17.0R														
Eyvind M. Faye	17.1R	1-6													
A. C. A. Orchards	19.3L	1-4													
--SOUTHERN PACIFIC RAILROAD BRIDGE--	19.9														
--COUNTY ROAD BRIDGE--	19.9														
Alfred Manas	20.1R	a 1-5							2						2
H. M. Brusseau	20.9R	1-1 1/2													
--PUTAH DIVERSION DAM--	22.6														
--PUTAH SOUTH CANAL--	22.6R														
W. Tufts	22.85L	1-6	1						8	10	5	7	11	13	55
Jack and Grace Fay	24.0	1-3								3	1	1	1	1	7
--COUNTY ROAD BRIDGE--	24.0														
Paul J. Childs	24.0L	1-3	11					5	12	14	13	13	11	14	93
Casimir Tanski	24.0L	1-1 1/2	3	1				3	4	9	5	6	3	5	39
Hugh Goddard	24.9R	1-3	10						19	30	20	35	25	35	174
Hugh Goddard	25.2R	1-2 1/2	4						3	4		11	3	4	29
Fred Ransdell	25.6R	c 1-3							6	6		10	2	8	32
Fred Ransdell	25.8R	c 1-3	10						4	10		14	7	15	60
--GAGING STATION - PUTAH CREEK NEAR WINTERS--	27.8L														
Samuel S. Silvey	28.6L	1-2						NO DIVERSION							
Samuel S. Silvey	28.7L	1-2 1/2						NO DIVERSION							
--HIGHWAY 128 BRIDGE--	28.8														
Samuel S. Silvey	28.9L	1-2 1/2						NO DIVERSION							
Samuel S. Silvey	29.0R	1-1						NO DIVERSION							
--MONTICELLO DAM--	29.3														
PUTAH CREEK Total			39	1	0	0	0	150	593	86	44	97	63	95	1,168
Average cubic feet per second			1	0	0	0	0	2	10	1	1	2	1	2	2
Monthly use in percent of seasonal			3.3	0.1	0	0	0	12.8	50.8	7.4	3.8	8.3	5.4	8.1	

Diversion data shown on this table are furnished by the U.S.B.R.
The U.S.B.R. discontinued diversion measurements between miles 0.8L and 20.9R on May 1, 1970.

* Diversions below the gaging station at Mile 7.2 (S.F. Putah Creek near Davis)
\# Station located on bridge at or near center of stream.
a This is a portable unit.
b Portable unit used at miles indicated.
c Portable unit used at Miles 25.6R and 25.8R.

TABLE B-7 (Cont.)
DIVERSIONS - DELTA UPLANDS
(Old River, Tom Paine Slough, and French Camp Slough)
October 1969 through September 1970

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
OLD RIVER	*														
--CONTRA COSTA CANAL--	30.5L														
Evelyn T. Bettencourt a	30.5L	1-18							217	342	377	378	269	305	1,888
East Contra Costa Irrigation District b	36.5L	1-18 3-24 2-30	651					31	3,740	5,380	5,950	6,960	7,440	3,490	33,642
--STATE HIGHWAY 4 BRIDGE--	38.8														
Byron-Bethany Irrigation District c	40.9L		813					796	5,820	6,330	7,110	8,110	7,820	4,610	41,409
--STAGE STATION - OLD RIVER AT CLIFTON COURT FERRY--	44.0L														
--DELTA MENDOTA CANAL--	44.6L														
M. R. Furtado d	44.6L	1-14	13					89	186	224	230	325	276	303	1,646
W. R. Patteson d,e	44.65	1-12						1	80	102	145	69	124	26	547
William M. Ralph	45.3L	1-12							216	318	364	389	438	260	1,985
Bankhead Enterprises f	47.2L	1-16			26	57			48		3	64		94	292
Bankhead Enterprises f	47.2L	1-14										21			21
West Side Irrigation District d	47.65L	1-10 7-15 1-18	1,600	337				2,040	5,440	6,120	5,830	6,200	5,630	3,960	37,157
Vance Brown	48.4L	1-12	34					19	57	77	72	127	61	70	517
Naglee Burke Irrigation District	48.6L	1-14									70		90		160
Naglee Burke Irrigation District	50.1L	1-18	69					37	238	125	452	340	397	205	1,864
Naglee Burke Irrigation District	50.4L	1-16 1-18	616		50			185	1,130	1,490	1,450	1,810	1,860	1,390	9,981
Fremont Irrigation Association	50.9L	1-16	44	125	153	33		108	298	272	449	466	362	189	2,499
--TRACY ROAD BRIDGE--	52.8														
--MOUTH OF TOM PAINE SLOUGH--	54.3L														
OLD RIVER Total			3,840	462	229	90	0	3,306	17,470	20,781	22,502	25,259	24,767	14,902	133,608
Average cubic feet per second			62	8	4	1	0	54	294	338	378	411	403	250	18
TOM PAINE SLOUGH	**														
Independent Mutual Water Corporation and Company	0.7S	2-18	39		114	98		325	425	776	578	1,107	71	216	3,749
Independent Mutual Water Corporation and Company	1.5S	1-18			86			67	57	195	262	209	200	80	1,156
--HOLLY SUGAR CORPORATION DREDGER CUT--	2.1S														
--STAGE STATION - TOM PAINE SLOUGH ABOVE MOUTH--	2.2S														
--MACARTHUR DRIVE BRIDGE--	2.7														
Pescadero Reclamation District 2058 (#1)	2.9S	1-12	4					126	73	87	161	112	112	73	748
--LAUREL AVENUE BRIDGE--	3.7														
Pescadero Reclamation District 2058 (#9) e	5.8S	1-20							439	302	339	398	350	267	2,095
--PARADISE ROAD BRIDGE--	6.0														
Pescadero Reclamation District 2058 (#3)	6.3S	1-14 1-16 1-20	706	712				864	2,130	1,500	2,060	1,970	1,950	1,290	13,182
--MAPLE AVENUE BRIDGE--	7.0														
Pescadero Reclamation District 2058 (#5)	8.3S	1-12	2					144	224	164	218	200	163	122	1,237
--CALIFORNIA AVENUE BRIDGE--	8.8														
Pescadero Reclamation District 2058 (#6)	9.0N	1-16 1-18	28					113	140	10	192	132	321	194	1,130
TOM PAINE SLOUGH Total			779	712	200	98	0	1,639	3,488	3,034	3,810	4,128	3,167	2,242	23,297
Average cubic feet per second			13	12	3	2	0	27	59	49	64	67	52	38	32

TABLE B-7 (Cont.)
DIVERSIONS - DELTA UPLANDS
(Old River, Tom Paine Slough, and French Camp Slough) (Cont.)
October 1969 through September 1970

WATER USER	MILE AND BANK *	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
FRENCH CAMP SLOUGH	***														
Carolyn Weston	1.05L	1-12							128	168	97	264	155	70	882
Carolyn Weston	1.4L	1-7							1			27		42	70
Carolyn Weston	1.45L	1-6	1						54	63	41	98	27	86	370
--FRENCH CAMP TURNPIKE--	2.0														
Frank West	2.2L	1-10						5	253	144	146	268	166	107	1,089
Frank West	3.0L	1-10							48						48
--U.S. 50 HIGHWAY BRIDGE--	3.45														
--SOUTHERN PACIFIC RAILROAD BRIDGE--	3.6														
--WESTERN PACIFIC RAILROAD BRIDGE--	4.1														
--GAGING STATION - FRENCH CAMP SLOUGH NEAR FRENCH CAMP--	5.4#														
FRENCH CAMP SLOUGH															
Total			1	0	0	0	0	5	484	375	284	657	348	305	2,459
Average cubic feet per second			0	0	0	0	0	0	8	6	5	11	6	5	3

* Mileage along Old River from mouth of San Joaquin River 4 1/2 miles below Antioch.
** Mileage along Tom Paine Slough from its mouth at Mile 54.3L on Old River.
*** Mile and bank above mouth.
\# Station located on bridge at or near center of stream.
a Rock Slough joins Old River at Mile 30.5L. Pumping Plant is located on intake canal which joins Rock Slough.
b Indian Slough joins Old River at Mile 36.5L. Pumping plant is located on intake canal which joins Indian Slough.
c Italian Slough joins Old River at mile 40.9L. Pumping plant is located on the Delta Pumping Plant Intake Canal which joins Italian Slough.
d Plant is located on intake canal which joins Old River at this mile.
e New installation.
f Plant is located on Mountain House Creek which joins Old River at this mile.

DIVERSIONS - DELTA UPLANDS
(San Joaquin River - Stockton to Vernalia)
October 1969 through September 1970

WATER USER	MILE AND BANK *	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
--STATE HIGHWAY 4 BRIDGE--	45.3														
--FRENCH CAMP SLOUGH--	46.1R														
Carolyn Weston	46.2R	1-7	5												5
Carolyn Weston	46.3R	1-12							90	14	1	71	29	8	213
Frank West	46.85R	1-10			1				77	56	98	114	85	81	512
Waldo C. Haack	48.0R	1-14							1		5		3		9
Waldo C. Haack	48.1R	1-14							365	630	573	662	390	55	2,675 a
John Calcagno	48.65R	1-12	15					40	177	150	197	268	210	140	1,197
Alfred Rodgers	49.0R	1-12							52	37	62	125	95	69	440
Ray Muller	49.3R	1-14	37					107	269	304	357	477	279	165	1,995
Ray Muller	49.5R	1-12					NO DIVERSION								
--STAGE STATION - SAN JOAQUIN RIVER AT BRANDT BRIDGE--	50.2														
Pastorino Brothers	50.9R	1-12								1		65	7		73
W. B. Burchell	51.6R	1-10		13						32	38	45	27	10	165
J. Widmer	53.2R	1-16							225	113	198	314	237	149	1,236 a
J. Widmer	53.5R	1-12						4	32	10	42	50	42	36	216
J. Romo and B. Andaya	53.7R	1-14	20	13	12			82	122	192	130	231	183	191	1,176
I. N. Robinson, Jr.	53.8R	1-14	43					40	80	199	88	353	140	121	1,064
H. N. Hansen, H. C. Hansen and William Giger	54.9R	1-8	49						134	121	36	345	135	308	1,128
--JUNCTION WITH OLD RIVER--	56.2L														

TABLE B-7 (Cont.)
DIVERSIONS - DELTA UPLANDS
(San Joaquin River - Stockton to Vernalis) (Cont.)
October 1969 through September 1970

WATER USER	MILE AND BANK *	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
Frank Terry	57.0R	1-14							400	108		538	381	495	1,922
--SOUTHERN PACIFIC RAILROAD BRIDGE--	58.8														
--STAGE STATION - SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	58.9R														
--U.S. 50 HIGHWAY BRIDGE--	58.9														
R. H. Brown	59.3R	1-18						20	300						320
Father Flanagan's Boys Home	59.5L	1-14							87	92	108	116	124	72	599
--WESTERN PACIFIC RAILROAD BRIDGE--	59.5														
R. H. Brown b	60.1R	1-4	5					9	12	23	9				58
G. M. Baird b	60.1R	1-16						157	445	124	341	206	479	145	1,897
Kenneth H. Windeler	60.5L	1-16						19	334	61	225	43	298	225	1,205
E. Picchi and Son	60.8R	1-8								141	35	56	96	34	362
E. Picchi and Son	61.4R	1-12			193				21	93	5		181	23	516
Bernice Von Sosten	62.0L	1-12						50	150		71	151	190	121	733
--PARADISE DAM (HEAD OF PARADISE CUT)--	62.2L														
Paradise Mutual Water Company c	62.2L	1-14 1-20	91						257	697	553	617	574	457	3,246
G. Eldon Everett	63.3L	2-20	383					271	1,160	1,100	1,330	1,500	1,350	1,070	8,164
State of California	63.3L	1-14	73					38	197	189	141	296	307	140	1,381
G. Eldon Everett	63.7L	1-10								15					15
Banta Carbona Irrigation District	67.5L	2-10 2-16 2-20 3-24 1-36	1,090	510	303	456	595	3,540	8,350	8,540	8,200	7,940	7,790	4,090	51,404
San Joaquin River Water Users Company	69.5R	1-16	58						27	2	71	141	106	11	416
R. M. West	70.0L	1-10						7	97						104
San Joaquin River Water Users Company	71.0R	2-16	462		372			273	607	512	696	729	876	656	5,183
A. J. Cardoza & Son	71.75R	1-16							17		56	54	9	10	146
Navarra Bros. River Ranch	71.9L	1-12							16	575	298	212	283	414	1,798
Robertson and Sons	73.0L	1-8	45					7	160	259	220	256	241	167	1,355
H. Stanley Mortensen	73.2R	d 1-18						1	270	82	193	107	353	189	1,195 a
San Joaquin River Club	74.7L	1-8					NO DIVERSION								
E. A. Tassi	75.6R	1-16	17								94	183	219	122	635
SAN JOAQUIN RIVER (Stockton to Vernalis)															
Total			2,393	536	881	456	595	4,665	14,545	14,475	14,491	16,274	15,729	9,809	94,849
Average cubic feet per second			39	9	14	7	11	76	244	235	244	265	256	165	131

* Mileage along San Joaquin River from its mouth 4-1/2 miles below Antioch.
\# Station located on bridge at or near center of stream.
a Includes an undetermined amount of spill.
b Plant is located on Walthall Slough which joins the San Joaquin River at this mile.
c Plant is located on Paradise Cut which joins the San Joaquin River at this mile.
d 18" unit replaces one 8" and one 14" units.

TABLE B-7 (Cont.)
DIVERSIONS - DELTA UPLANDS
(Calaveras River*)
October 1969 through September 1970

WATER USER	MILE AND BANK Above Mouth	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
Inman Realty Company	1.8L	1-12					NO DIVERSION								
M. Larson	2.1L	1-2													a
Clair E. Heitman	2.2L	1-2 b										1			1
E. P. Woelfel	2.35L	1-3													a
Weiershauser, Ghirozo and Piccardo	2.5R	1-12							45	96	20	80	65	6	312
John Santa Maria	2.9L	1-4	1	1						1	2				5
--PACIFIC AVENUE BRIDGE--	3.7														
--STOCKTON DIVERTING CANAL--	5.4L														
Armano Barosso	6.4R	1-7 1/2							14	15	15	24	16	9	93
--U. S. 50 and 99 HIGHWAY BRIDGE--	6.8														
--CHERRYLAND ROAD DAM--	7.3														
A. Vignolo and Son	7.3L	1-12					NO DIVERSION								
--CENTRAL CALIFORNIA TRACTION COMPANY RAILROAD BRIDGE--	7.9														
Oneto Bros.	7.7R	1-6								40	7	38	41	7	133
J. N. Sanguinetti	8.3L	1-6							2	38	2				42
Oneto Bros.	8.35R	1-6									3	4			7
--GAGING STATION - CALAVERAS RIVER NEAR STOCKTON--	8.8														
CALAVERAS RIVER Total			1	1	0	0	0	0	61	190	49	147	122	22	593
Average cubic feet per second			0	0	0	0	0	0	1	3	1	2	2	0	1

* Diversions below the Stockton gaging station are considered as Delta Uplands diversions. Right bank diversions below Mile 2.0 and left bank diversions below Mile 0.7 are not included since they serve areas that are considered to be within the Delta Lowlands. Tidal effect ceases at about Mile 5.0.

a Domestic use only estimated less than one acre foot.

b A 2" unit replaces a 4" unit.

DIVERSIONS - DELTA UPLANDS
(Mokelumne River*)
October 1969 through September 1970

WATER USER	MILE AND BANK **	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
Clow and Rose	4.7R	1-12								36	94	75	97	97	399
--FRANKLIN-THORNTON HIGHWAY BRIDGE--	4.9														
--COSUMNES RIVER--	5.0R														
Manuel Lopes	6.0R	1-10						116		42	43	118	84		403
Manuel Lopes	6.6R	1-12								26	2	3		2	33
Thornton-Fry Ranches	6.9R	1-8						NO DIVERSION							
--GALT-THORNTON HIGHWAY BRIDGE--	7.0														
Thornton-Fry Ranches	7.6R	2-12								430	1,202	1,173	1,030	354	4,189 a
Thornton-Fry Ranches	8.1R	1-12						NO DIVERSION							
Albin G. Steffan	8.7R	1-12	24						126	121	127	135	148	85	766
J. L. Frandy	10.4L	1-12						NO DIVERSION							
Albin G. Steffan	10.6R	1-16	310					25	564	550	554	706	516	559	3,784 a
Albin G. Steffan	12.7R	1-12	225					47	543	511	511	817	545	573	3,772 a

TABLE B-7 (Cont.)
DIVERSIONS - DELTA UPLANDS
(Mokelumne River*) (Cont.)
October 1969 through September 1970

WATER USER	MILE AND BANK **	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
Valley Hi Inn Inc.	12.7L	1-6						NO DIVERSION							b
C. Blattler	15.5R	1-4	7						11	6	12	15	12	10	73 b
W. G. Taddei	15.6R	1-6					8	4	30	21	16	50	30	4	163 b
Mrs. Rose J. Linde	16.8R	1-6								39	62	57	19		177 b
James Piazza	17.4R	1-6								33	23	51			107 b
Warren Hargrave	18.2L	1-7									46	32	35		113 b
- GAGING STATION - MOKELUMNE RIVER AT WOODBRIDGE--	19.2R														
--SACRAMENTO ROAD BRIDGE--	19.8														
--WOODBRIDGE IRRIGATION DISTRICT	19.9														
MOKELUMNE RIVER															
Total			566	0	0	0	8	192	1,274	1,815	2,692	3,232	2,516	1,684	13,979
Average cubic feet per second			9	0	0	0	0	3	21	30	45	53	41	28	19

* Diversions below the Woodbridge gaging station are considered as Delta Uplands diversions. Left bank diversion into Reclamation District 348 (below Mile 9.8) and right bank diversions into McCormack-Williams on Tract (below Mile 3.5) are not included, since these areas are considered to be within the Delta Lowlands. Tidal effect ceases at about Mile 10.5.
** Mile and bank above New Hope Bridge.
a Includes an undetermined amount of spill.
b Diversion data furnished by East Bay Municipal Utility District.

DIVERSIONS - DELTA UPLANDS
(Cosumnes River*)
October 1969 through September 1970

WATER USER	MILE AND BANK above Mouth	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
--WESTERN PACIFIC RAILROAD BRIDGE--	0.4														
Charles Coldani	0.8R (0.3N)	1-12	14						21	37	60	68	80	56	336
Charles Coldani	0.8R (0.4N)	1-12	17	45				5			46	39	8		160
Charles Coldani	0.8R (0.5N)	1-10							70	64	95	96	107	66	498
Charles Coldani	0.8R (0.8N)	1-12	23						76	270	249	260	230	177	1,285
Nicolaus Ranch	1.9R	2-16	224	13	67			34	581	880	748	909	830	521	4,807
Kenworthy and Patterson	2.0L	1-30							19	115	147	160	154		595
--STATE HIGHWAY 104 BRIDGE--	5.3														
--SOUTHERN PACIFIC RAILROAD BRIDGE--	10.6														
--GAGING STATION - COSUMNES RIVER AT McCONNELL--	10.7#														
--U.S. 50 and 99 HIGHWAY BRIDGE--	10.7														
COSUMNES RIVER															
Total			278	58	67	0	0	39	767	1,366	1,345	1,532	1,409	820	7,681
Average cubic feet per second			5	1	1	0	0	1	13	22	23	25	23	14	11

* Diversions below the McConnell Gaging Station are considered as Delta Uplands diversions. Tidal effect ceases at about Mile 3.5.

\# Station located on bridge at or near center of stream.

TABLE B-7 (Cont.)
DIVERSIONS - DELTA UPLANDS
(Sacramento River below Sacramento*)
October 1969 through September 1970

WATER USER	MILE AND BANK *	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
--RIO VISTA BRIDGE--	12.9														
--FREEPORT BRIDGE--	46.0														
Freeport Development Company	46.25L	1-8	1	1					57	31	47	64	116		317
L. C. Klotz	47.3L	1-8	31					37	49	65	90	89	109	64	534
City of Sacramento	56.0L	3-14									220	882	915	668	2,685
--TOWER BRIDGE - SACRAMENTO--	59.0														
SACRAMENTO RIVER BELOW SACRAMENTO															
Total			32	1	0	0	0	37	106	96	357	1,035	1,140	732	3,536
Average cubic feet per second			1	0	0	0	0	1	2	2	6	17	19	12	5

* Mileage above Chain Island.

DIVERSIONS - DELTA UPLANDS
(Yolo Bypass - West Cut*)
October 1969 through September 1970

WATER USER	MILE AND BANK *	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
H. L. Sorenson	4.2R (1.1)	1-16							89	153	166	111	173	165	857
H. L. Sorenson	4.2R (1.1)	1-14						NO DIVERSION							
H. L. Sorenson	4.2R (1.9)	1-14	49							26	128	151	243	31	628
Mounds Farms	4.2R (2.0)	2-12	189	69				65	113	43	111	117	191	31	929
H. L. Sorenson	4.2R (2.0)	1-16	58					104	147	88	246	304	178	263	1,388
Yolo Flyway Farms	5.7R (0.9)	1-18	435	290	153						15		1	163	1,057
Cal Farms Inc. & Yolo Basin Farms Inc.	5.7 (1.0)	1-16	138	56	29					7	1		33	96	360
R. S. W. Ranch	5.7R (1.5)	1-16	330	172	106	14			191	492	447	473	421	468	3,114
Yolo Basin Farms	6.75R (0.6)	1-16	217	171	96	18					62	118	152	152	986
Lucky Five Farms	6.75R (0.7)	1-16	408	83	20				104	247	280	274	242	282	1,940
C. C. Impey	7.85R (0.2)	1-16	441	164	47					3	66	272	268	369	1,630
Florence R. and Lillian E. Swanston	7.87R (0.7)	1-16									89	89	88		266
Florence R. and Lillian E. Swanston	7.87R (1.6)	1-16	312	38	16					332	407	496	504	265	2,370
G. A. Pope	7.87R (2.0)	1-14	106	20					231	309	166	279	226	217	1,554
G. A. Pope	7.87R (2.4)	1-14	117	43				2	292	252	163	231	234	158	1,492
G. A. Pope	7.87R (2.6)	1-14 1-16	310	41					443	536	494	482	575	378	3,259
Florence R. and Lillian E. Swanston	9.1R	1-18	356		3					339	199	410	329	54	1,690
T. S. Glide	10.9R (0.1)	1-20	1,407	1,006	304					1	214	301	460	1,057	4,750
--SACRAMENTO NORTHERN RAILROAD BRIDGE--	13.2														
Cowell Foundation	17.1R (0.7)	1-20	53						36	13	70	129	62		353
Cowell Foundation	17.1R (1.4)	3-20 1-30	820	224	418				407	871	2,640	3,700	2,790	406	12,276
--U. S. 40 and 99W CAUSEWAY--	20.1														
YOLO BYPASS - WEST CUT															
Total			5,746	2,377	1,192	32	0	171	2,053	3,712	5,964	7,937	7,170	4,555	40,909
Average cubic feet per second			93	40	19	1	0	3	35	60	100	129	117	77	57

* Mileage above Prospect Island
a New installation in 1970

TABLE B-7 (Cont.)
DIVERSIONS - DELTA UPLANDS
(Putah Creek*)
October 1969 through September 1970

WATER USER	MILE AND BANK Above Mouth	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
T. S. Glide	0.8L	a 1-14													
Cowell Foundation	1.3R	1-12						42	77						119
Cowell Foundation	1.6R	1-12													
Mary Jane Hamel Estate	2.7R	1-10 a 1-16							184						184
Mary Jane Hamel Estate	2.8L	1-10 a 1-16							141						141
Dow Chemical Company	2.85R	b 1-4													
Dow Chemical Company	2.9R	b 1-4													
Dow Chemical Company	3.5R	b 1-4													
Dow Chemical Company	3.7R	b 1-4													
--COUNTY LINE ROAD BRIDGE--	3.8														
W. E. Hansen	3.8R	a 1-6													
W. E. Hansen	4.3L	1-8													
W. B. & P. W. Schoeningh	4.8R	1-15													
--GAGING STATION - SOUTH FORK PUTAH CREEK NEAR DAVIS--	7.2#														
PUTAH CREEK															
Total			0	0	0	0	0	42	402	0	0	0	0	0	444
Average cubic feet per second			0	0	0	0	0	1	7	0	0	0	0	0	1

Diversion data shown on this table are furnished by the U.S.B.R.
The U.S.B.R. discontinued diversion measurements on May 1, 1970.
* These diversions are considered as part of the Delta Uplands. The diversions for the entire Putah Creek below Monticello Dam are shown on page 169..

\# Station located on bridge at or near center of stream.
a This is a portable unit.
b Portable unit used at miles indicated.

DIVERSIONS - DELTA UPLANDS
(Miscellaneous Delta Uplands)
October 1969 through September 1970

WATER USER	MILE AND BANK *	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
MISCELLANEOUS DELTA UPLANDS															
Five Mile Slough															
Sam Hernandes	2/6-17D	1-3							3	3	4	4	3	4	21
Disappointment Slough															
H. Moffat and Elbon Land Company	2/6-6P	1-18							160	186	213	245	180	248	1,232
H. Moffat and Elbon Land Company	2/6-6J	1-14 1-10							1	222	184	194	224	133	958
Telephone Cut															
Baldwin and Sanderson	3/5-25R	1-12 1-16						104	588	918	627	896	1,106	1,034	5,273
Baldwin and Sanderson	3/5-36A	1-7 1/2							166	243	149	164	203	212	1,137
Baldwin and Sanderson	3/5-36B	1-12							46		32		98	27	203
Baldwin and Sanderson	3/5-36C	1-10									1	1	126	53	181
White Slough															
Bert Van Ruiten	3/5-25C	1-16	42	2	2	7		2	253	175	70	80	66	21	720
Bert Van Ruiten	3/5-26C	1-12						NO DIVERSION							

TABLE B-7 (Cont.)
DIVERSIONS - DELTA UPLANDS
(Miscellaneous Delta Uplands) (Cont.)
October 1969 through September 1970

WATER USER	MILE AND BANK *	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
Hog Slough															
Robinson Farms	4/5-28B	Gravity	388	224	107	79		15	120	146	197	139	149	134	a 1,698
Robinson Farms	4/5-28B	Gravity	24	12	4			9	11	13	16	18	15	11	133
Thompson-Folger Company	4/5-28C	1-12 Gravity	124	66	53	27		6	224	242	264	267	287	252	1,812
Beaver Slough															
Kooyman Bros.	4/5-15C	1-15							129	15	115	211	138		608
Kooyman Bros.	4/5-15D	1-18 Gravity	135			82			198	196	282	436	410	118	1,857
Kooyman Bros.	4/5-16A	1-14	53			21			98	224	236	302	346	167	1,447
Canal Ranch	4/5-16B	1-16	8			6			8	154	172	140	155	122	765
Canal Ranch	4/5-16D	1-8						NO DIVERSION							
Burton Slough															
Clow and Rose	5/5-28D	1-10	4					1	13	17	22	29	37	16	139
Clow and Rose	5/5-20K	1-8								32		28	47		107
Morse Brothers	5/5-16N	1-16	98						80	284	171	365	495	291	1,784
Clow and Rose	5/5-15M-1	1-14	81						196	294	296	300	293	260	1,720
Morse Brothers	5/5-15M-2	1-14	151						354	375	404	405	444	384	2,517
Thomas B. Sharp	5/5-16J	1-12	30	3					81	86	111	121	107	101	640
East Dredger Cut - Snodgrass Slough															
H. E. Graff	6/5-31N	1-12										72	61	2	135
Alfred Kuhn	6/4-36Q	1-16							136	59	210	451	417	68	1,341
Duck Slough Extension															
Isabella Wineman	6/2-26B	1-14	88	38				2	200	163	257	297	282	213	1,540
Isabella Wineman	6/2-26D	1-12	45	33				19	121	129	159	168	172	126	972
Isabella Wineman	6/2-26J	1-14	148	30	36				352	374	438	359	411	391	2,539
Haas Slough															
Elmira Farms	6/2-33H	1-12	99	65	45				9	9	37	41	25		330
Steve Wineman	6/2-33A	1-12 1-16	5						102	128	234	269	254	285	1,277
Reclamation District 2068	6/2-34G	1-24 2-30 1-36	3,550	1,150	165			172	7,360	9,370	10,000	10,100	10,100	7,840	59,807
Ervin E. Vassar	6/2-34P	1-16	148	45	21			1	142	164	137	192	176	81	1,107
Cache Slough															
Carpenter Ranch	4/3-20B	1-12 Gravity		2					71	303	124	165	207		872
Peter Cook	4/3-20B	1-14	21						42	41	56	23	55	14	252
Harold D. Miller	5/2-4B	1-14	170	96	70				97	173	210	218	171	112	1,317
Jack Parker	5/2-4K	1-12	35		50				58	38	191	222	219	196	1,059
Ervin E. Vassar	5/2-4K	1-20	81						366	393	341	443	478	393	2,495
Calhoun Cut															
Vern Schmeiser	5/2-19J														b
Unsegregated															
Porter Estate Company	2/3-19E	1-16	6					8	17	38	43	48	7	3	170 c
City of Lodi	3/5-23L	1-10	13	1						16	6	33	62	1	132
R. C. Coldani	3/5-14L	1-15							44	74	68	70	45	102	403
R. C. Coldani	3/5-23F	1-18						NO DIVERSION							
A. Patane	4/5-34B	1-18	8					52	39	140	151	97	130	65	682
A. Patane	4/5-34L	1-12	19					46	53	72	118	63	109	19	499
Joe Cotta	4/5-34Q	1-16	20						321	134	169	135	165	49	993
H. L. Sorensen	6/3-18F	1-14	72		39			87	125	76	47	59	57	49	611
H. L. Sorensen	6/3-20J	1-16	323	102				64		166	110	326	172	33	1,296
H. L. Sorensen	6/3-19E	1-14	450	206				39	287	244	277	254	261	158	2,176
H. L. Sorensen	6/3-19D	1-10	33						29	31	59	40	30	34	256
H. L. Sorensen	6/3-30D	1-14	213	22				61	291	280	320	319	195	235	1,936

TABLE B-7 (Cont.)
DIVERSIONS - DELTA UPLANDS
(Miscellaneous Delta Uplands) (Cont.)
October 1969 through September 1970

WATER USER	MILE AND BANK *	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
Unsegregated (Cont.)															
H. L. Sorensen	6/3-30L	1-16	311	119				117	232	242	171	220	253	359	2,024
Reclamation District 2068	6/2-25P														d
Subirrigated e			51					47	59	66	85	95	81	59	543
MISCELLANEOUS DELTA UPLANDS															
Total			7,047	2,216	592	222	0	852	13,282	16,798	17,584	19,124	19,524	14,475	111,716
Average cubic feet per second			115	37	10	4	0	14	223	273	296	311	318	243	154
DELTA UPLANDS															
Total			20,683	6,363	3,161	898	603	10,948	53,932	62,642	69,078	79,325	75,892	49,546	433,071
Average cubic feet per second			336	107	51	15	11	178	906	1,019	1,161	1,290	1,234	833	598
Monthly use in percent of seasonal			4.8	1.5	0.7	0.1	0.1	2.5	12.5	14.5	16.0	18.3	17.5	11.5	

* Figures represent North Townships, East Ranges and Sections. Letters represent the 1/4 - 1/4 sections which are lettered from A through R excluding I and O, similar to the numbering of sections within a township.
a Includes an undetermined amount of Woodbridge I. D. Drainage water.
b No record, lessee refused permission to enter property.
c Includes an undetermined amount of Marsh Creek water.
d Diversion in 1970 all controlled drainage water.
e Estimated consumptive use on lands in the Delta Uplands, considered as subirrigated from tidal channels during 1970 without a specific point of diversion.

DIVERSIONS - MOKELUMNE RIVER*
(Woodbridge Irrigation District Dam to Camanche Dam)
October 1969 through September 1970

WATER USER	MILE AND BANK **	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
	***														
--WOODBRIDGE IRRIGATION DISTRICT DAM--	19.9														
Woodbridge Irrigation District	19.9L	Gravity	7,340					1,640	15,210	19,550	20,390	22,380	20,910	12,310	119,730
Arthur J. Hoffman	21.85R	1-10	4						150	4	16	10	11	8	203
C. H. Fillhardt	22.1R	1-6										6			6
V. P. Sperling	22.5R	1-5						NO DIVERSION							
Robert Peters	23.03R	1-3							2	3	3	3	2	3	16
Cecil Mumbert	23.4R	1-4								7	57	52	43		159
Tillie D. Sanguinetti	23.4L	1-3								1	2	2	2		7
--SOUTHERN PACIFIC RAILROAD BRIDGE--	23.6														
Western Republic Land Co. a	24.0L	1-4										12	15		27
Western Republic Land Co. a	24.12R	1-1 1/2	1					1	4	4	4	5	5	2	26
--HIGHWAY 99 BRIDGE--	24.2														
Marie Hallinan Estate	24.45L	1-5						NO DIVERSION							
Marie Hallinan Estate	24.5L	1-6							11	6			5		22
R. Vaccarezza and A. Barotti	24.8L	1-5										9	8		17
Ray A. Mettler	25.2R	1-10							11	15	18	25	4	8	81
--CENTRAL CALIFORNIA TRACTION COMPANY BRIDGE--	25.6														
W. F. Johnson	26.3L	1-4									8	18	2		28
Richard Wagers	26.35L	1-2							1	2	1	4	3		11
Nakagawa Brothers	26.9R	1-5									42	49	30	26	147
Irene C. Green	27.5L	1-5								22	37	41	39	10	149

TABLE B-7 (Cont.)
DIVERSIONS - MOKELUMNE RIVER*
(Woodbridge Irrigation District Dam to Camanche Dam) (Cont.)
October 1969 through September 1970

WATER USER	MILE AND BANK * *	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
Rose Linde	27.6L	1-8								6	6	8	8		28
Cranston and Burnheiser	27.9L	1-10							10	115	152				277
F. O. Dick and A. Proctor b	28.59L	1-6										9	1		10
Nakagawa Brothers	28.6R	1-6	7						10	14	24	23	18	14	110
Nakagawa Brothers	28.71R	1-4								12	12	12	8		44
W. E. Mehlhaff	29.9R	1-8							17	58		28			103
Emil Bender	30.0L	1-10								6	2	7			15
--BRUELLA ROAD BRIDGE--	30.0														
A. Knoll	30.13L	1-8						NO DIVERSION							
V. W. Hoffman and Sons	30.15R	1-8							52	33	82	67	11	10	255
Nelson H. Davis	30.35R	1-6						16	38	13	19	23	15		124
J. J. Schmiedt Estate	30.95L	1-7									39	70			109
Leon Kirschenmann	31.0L	1-8								92	40	9	40		181
V. W. Hoffman and Sons	31.45R	1-5									17	6			23
Rosa D. Soucie	31.7L	1-5					12				1	65	37		115
John Graffigna Estate	31.8R	1-7										6	42		48
Lawrence Jones c	32.29L	1-14								29	2	95	76	42	244
North San Joaquin Water Conservation District	32.3L	1-16 1-18 1-14	126					84	1,233	1,609	1,582	1,845	1,699	847	9,025
R. Graffigna and A. Costa	32.33R	1-6						13	11	23	14	25			86
William J. Lange	32.8R	1-1 1/2											1		1
Chester M. Locke	33.25L	1-10							1	60	57	56	46	20	240
Acampo Vineyards	33.45R	1-8						NO DIVERSION							
Acampo Vineyards	33.6R	1-8							39	66	78	87	60		330
Neil C. Locke	33.7L	1-12							19	9	142	274	124	15	583
T. and E. Schmierer	33.8R	1-4							1		11	7	8		27
U. S. D. A. Soil Conservation Service d	34.0L	1-8									9	144	51		204
Pritam Singh Dhaliwal	34.05R	1-4							1	3	3	3			10
Norman Knoll	34.1R	1-4							44	17	19	16	9	7	112
Norman Knoll	34.3R	1-4							16	5	12	6	8	2	49
U. S. D. A. Soil Conservation Service d	34.34L	1-5						NO DIVERSION							
--ELLIOTT ROAD BRIDGE--	34.35														
J. Hull, J. Graham and T. Heas	34.5R	1-4						NO DIVERSION							
H. C. Russell	34.55L	1-10								31	20	23	18	16	108
Donald Smith	34.55L	1-1 1/2	1						1	1	1	2	2	1	9
K. E. & J. Beckman	34.6R	1-5									4	4	9		17
H. Bava, D. Panella and Dr. Barkett	34.75L	1-16						10	46		41	48	46	1	192
K. E. and J. Beckman	35.14R	1-16							69	57	124	85	100	78	513
Lincoln Chan	35.15R	1-6	10						27	67	98	93	61	35	391
Grizzly Hill Ranch	35.2L	1-8	9		1		1	1	26	33	67	42	64	34	278
Manuel Machado	35.4L	1-8	9						16	3	19	52	63	49	211
Lincoln Chan	35.5R	1-8								298					298
R. D. Mehlhaff	35.7L	1-6								12	35	41	35	18	141
R. D. Mehlhaff	35.7L	1-8						12	19						31
I. H. Queasenberry	35.9L	1-7									37	1	45	47	130
Fred F. Sievers	36.0L	1-6								6	18		21		45
Lincoln Chan	36.2R	1-6								64				62	126
Ossie Parker	36.45L	1-12	77							174	275	23	94	95	738
J. R. Wiederrich, et al	37.15L	1-10								11	27	13	12	15	78
W. L. Moffat, et al	37.45R	1-8										57	75		132
W. L. Moffat, et al	37.65L	1-10									37	31			68
Maria Costa, et al	37.7R	1-12									11	12			23
Frank Lucchessi	38.0L	1-6							25	4	9	19	15		72
Frank Lucchessi	38.1L	1-8	3						41	3	19	36	29		131

TABLE B-7 (Cont.)
DIVERSIONS - MOKELUMNE RIVER* (Cont.)
(Woodbridge Irrigation District Dam to Camanche Dam)
October 1969 through September 1970

WATER USER	MILE AND BANK **	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
Rudolph Sutter	38.3L	1-10								106					106
N. and C. Locke	38.5L	1-12								162					162
Clementa Estate	39.0L	1-12	159					91	557	503	408	550	502	309	3,079
H. S. Magee Estate	39.25L	1-5	5						7	7	9	8	7	6	49
--OLD CLEMENTS BRIDGE--	39.3														
L. and T. Deluca	39.59L	1-4							9	13					22
Mrs. Wakeham Clark	39.6L	1-6	3						4	5	6	6	4	6	34
J. N. Henry	39.9R	1-6								32	89	52	27		200
Bert Campbell	40.48L	1-2 1/2						5	16	20	23	27	18	11	120
Robert Simmons	40.52L	1-6								2	31	72	12	59	176
H. Ostermann	40.53L	1-6							27	46	24	36	23	13	169
C. and A. Mehrten	40.72L	1-6									13		26	4	43
H. and E. Mason	40.83L	1-6	8							43	26	15	1	28	121
--HIGHWAY 88 BRIDGE--	41.00														
P. and N. Wright	41.14L	1-3									16	16	8		40
C. Fukuhara and R. Nakashima	41.14R	1-2 1-8								9	126	52	72		259
L. A. Rozzoni Estate	41.40L	1-10								165	92	54	72	90	473
Clarence Jones	42.11R	1-8	13	2				4	18	24	28	25	27	22	163
Lawrence Putnam Estate	42.24L	1-2 1/2	4												4
P. W. Olivera	42.66R	1-3	2						12	22	51	6	30	23	146
P. M. and U. L. Thorns	42.97L	1-4	2						5	8	10	8	8	9	50
P. M. and U. L. Thorns	42.99L	1-8	6						10	15	14	15	10	19	89
--CAMANCHE RECORDER - MOKELUMNE RIVER BELOW CAMANCHE DAM--	43.00														
P. W. Olivera	43.15R	1-4	1						8	17	26	28	27	24	131
--CAMANCHE DAM--															
MOKELUMNE RIVER (Woodbridge Irrigation District Dam to Camanche Dam)															
Totals			7,790	2	1	0	13	1,877	17,824	23,747	24,735	27,059	24,904	14,398	142,350
Average cubic feet per second			127	0	0	0	0	31	300	386	416	440	405	242	197
Monthly use in percent of seasonal			5.5	0.0	0.0	0.0	0.0	1.3	12.5	16.7	17.4	19.0	17.5	10.1	

* Diversion data shown on this table are furnished by the East Bay Municipal Utility District, excepting that data for the Woodbridge Irrigation District, which was furnished by the U. S. Geological Survey. Monthly totals are computed by the Department. The Mokelumne River diversion measurement program by the East Bay Municipal Utility District was initiated January 1, 1965.
** Mile and bank above New Hope Bridge.
*** Miles 0.0 to 19.8 are reported under Diversions - Delta Uplands - Mokelumne River pages 173 and 174 .
Diversion based on information supplied by owner.
a Formerly listed as Mok Loa Land Co.
b Formerly listed as Frankie C. Dick.
c New installation in 1970.
d Formerly listed as R. T. McCarty.

TABLE B-8

DELIVERIES FROM FOLSOM AND NIMBUS RESERVOIRS
October 1969 through September 1970

Water User	Monthly Diversion in Acre-Feet												Total
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
						AMERICAN RIVER							
Cordova Water Service and City of Folsom a													
Total acre-feet	1,843	1,550	1,511	909	757	938	1,382	1,745	2,308	2,217	2,254	2,223	19,637
Average cubic feet per second	30	26	25	15	14	15	23	28	39	36	37	37	27
Monthly quantities in percent of seasonal	9.4	7.9	7.7	4.6	3.8	4.8	7.0	8.9	11.8	11.3	11.5	11.3	
San Juan Suburban Water District a													
Total acre-feet	2,539	1,466	1,190	1,052	1,152	1,623	2,965	4,568	4,571	5,439	5,288	4,450	36,323
Average cubic feet per second	41	25	19	17	21	26	50	74	77	89	86	75	50
Monthly quantities in percent of seasonal	7.0	4.0	3.3	2.9	3.2	4.5	8.1	12.6	12.6	15.0	14.6	12.2	
State of California a													
Total acre-feet	144	115	107	94	117	88	108	150	146	176	177	161	1,583
Average cubic feet per second	2	2	2	2	2	1	2	2	2	3	3	3	2
Monthly quantities in percent of seasonal	9.1	7.3	6.7	5.9	7.4	5.6	6.8	9.5	9.2	11.1	11.2	10.2	

TABLE B-9

IMPORTATIONS INTO NORTHEASTERN CALIFORNIA
October 1969 through September 1970

Water User	Monthly Diversion in Acre-Feet												Total
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
						TRINITY RIVER							
Judge Francis Carr Powerplant a													
Total acre-feet	24,870	24,660	24,500	44,400	170,040	168,540	191,340	145,520	114,080	184,980	177,070	91,070	1,361,070
Average cubic feet per second	404	414	398	722	3,062	2,741	3,221	2,367	1,917	3,008	2,880	1,530	1,880
Monthly quantities in percent of seasonal	1.8	1.8	1.8	3.3	12.5	12.4	14.0	10.7	8.4	13.6	13.0	6.7	

TABLE B-10

EXPORTATIONS FROM NORTHEASTERN CALIFORNIA
October 1969 through September 1970

Water User	Monthly Diversion in Acre-Feet												Total
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
						MOKELUMNE RIVER							
East Bay Municipal Utility District b													
Total acre-feet	18,956	18,195	18,765	16,032	12,393	16,274	18,062	18,827	18,595	19,197	19,126	18,651	213,073
Average cubic feet per second	308	306	305	261	223	265	304	306	312	312	311	313	294
Monthly quantities in percent of seasonal	8.9	8.6	8.8	7.5	5.8	7.6	8.5	8.8	8.7	9.0	9.0	8.8	
						PUTAH CREEK							
Putah South Canal a													
Total acre-feet d	6,259	1,454	1,799	1,087	1,492	4,007	23,736	31,515	29,351	32,877	27,807	24,518	185,902
Average cubic feet per second d	102	24	29	18	27	65	399	513	493	535	452	412	257
Monthly quantities in percent of seasonal	3.4	0.7	1.0	0.6	0.8	2.1	12.8	16.9	15.8	17.7	15.0	13.2	
						CACHE SLOUGH							
City of Vallejo c													
Total acre-feet	1,100	741	683	699	792	815	1,390	1,590	1,550	1,640	1,640	1,450	14,090
Average cubic feet per second	18	12	11	11	14	13	23	26	26	27	27	24	19
Monthly quantities in percent of seasonal	7.8	5.3	4.8	5.0	5.6	5.8	9.9	11.3	11.0	11.6	11.6	10.3	
						OLD RIVER							
Contra Costa Canal a													
Total acre-feet d	6,426	4,651	5,784	3,017	4,651	4,443	7,616	10,219	11,724	13,008	13,188	9,572	94,299
Average cubic feet per second d	104	78	94	49	84	72	128	166	197	212	214	161	130
Monthly quantities in percent of seasonal	6.8	4.9	6.1	3.2	4.9	4.7	8.1	10.9	12.4	13.8	14.0	10.2	
Delta-Mendota Canal a													
Total acre-feet	100,225	21,784	0	25,339	82,229	108,048	216,619	219,005	251,681	273,445	218,819	135,780	1,652,974
Average cubic feet per second	1,629	366	0	412	1,481	1,757	3,645	3,562	4,230	4,447	3,559	2,282	2,283
Monthly quantities in percent of seasonal	6.1	1.3	0	1.5	5.0	6.6	13.1	13.3	15.2	16.5	13.2	8.2	
						WEST CANAL							
California Aqueduct													
Total acre-feet	16,770	37,338	44,783	40,283	21,385	26,819	52,365	17,426	33,931	34,953	51,312	38,307	415,872
Average cubic feet per second	273	627	728	655	385	436	880	283	570	568	834	647	574
Monthly quantities in percent of seasonal	4.0	9.0	10.8	9.7	5.1	6.4	12.6	4.2	8.2	8.4	12.3	9.3	

a Data furnished by U. S. Bureau of Reclamation.
b Data furnished by East Bay Municipal Utility District
c Data furnished by City of Vallejo.
d Amounts are total diversion into the canal; only an unknown portion of this is exported from Northeastern California.

TABLE B-11

DAILY MEAN GAGE HEIGHT

TABLE B-11
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A21010	SACRAMENTO RIVER AT KESWICK

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	12.34	11.88	11.50	18.60	30.88	11.77	10.89	13.92	12.46	13.38	13.11	12.78	1
2	11.86	11.88	11.51	16.98	30.03	10.50	10.87	13.92	12.42	13.38	13.07	12.42	2
3	11.92	11.88	11.51	15.72	28.92	11.58	10.87	13.88	12.69	13.38	13.11	12.44	3
4	11.89	11.85	11.50	15.76	28.64	11.63	10.88	12.80	12.71	13.38	13.12	12.39	4
5	11.90	11.89	11.51	15.75	27.08	11.55	10.88	12.73	12.87	13.37	13.12	12.07	5
6	11.89	11.89	11.51	15.70	26.75	11.50	10.88	12.73	13.09	13.38	13.13	12.11	6
7	11.89	11.89	11.51	15.69	26.87	11.50	10.87	12.74	13.10	13.38	13.13	12.11	7
8	11.53	11.89	11.28	15.67	26.42	11.50	10.87	12.72	13.10	13.42	13.12	12.13	8
9	11.89	11.89	10.88	15.88	25.19	11.50	10.87	12.71	13.12	13.42	13.10	12.13	9
10	11.89	9.91	10.47	15.84	24.27	11.42	10.88	12.72	13.11	13.79	13.13	12.09	10
11	11.89	8.58	10.33	15.73	23.15	11.38	11.54	12.71	13.12	13.98	12.90	11.82	11
12	11.89	9.23	11.82	15.79	22.12	11.34	11.76	12.68	13.11	13.98	13.01	11.79	12
13	11.89	11.54	14.57	15.93	20.93	11.35	11.91	11.89	13.11	14.08	12.72	11.74	13
14	11.89	11.55	14.56	17.52	19.16	11.34	11.92	11.57	13.11	14.10	12.82	11.82	14
15	11.89	11.54	14.51	23.62	17.64	11.34	11.88	11.57	13.09	14.07	12.75	11.82	15
16	11.89	11.52	14.49	19.42	16.68	11.33	11.87	11.56	13.09	14.07	12.83	11.82	16
17	11.89	11.53	14.52	24.17	16.48	11.35	11.87	11.57	13.09	14.08	12.84	11.83	17
18	11.89	11.53	14.92	24.14	16.44	11.35	11.87	11.57	13.09	14.07	12.89	11.83	18
19	11.89	11.52	15.23	25.25	15.97	11.33	11.89	11.56	13.23	14.07	12.93	11.80	19
20	11.89	11.53	15.78	27.37	15.52	10.70	12.14	11.56	13.38	14.07	12.83	11.80	20
21	11.89	11.53	16.00	27.60	15.43	10.62	12.44	11.56	13.37	14.08	12.75	11.81	21
22	11.89	11.53	20.33	28.05	15.26	10.64	12.80	11.56	13.38	14.12	12.89	11.81	22
23	11.89	11.53	21.01	24.03	15.15	10.74	13.21	11.58	13.38	14.08	12.86	11.83	23
24	11.89	11.53	22.52	25.01	15.14	10.90	13.87	11.85	13.38	14.06	12.85	11.82	24
25	11.89	11.52	24.02	31.95	15.11	10.93	13.92	11.92	13.38	13.73	12.82	11.85	25
26	11.89	11.52	23.98	31.77	15.01	10.93	13.92	11.96	13.38	13.81	12.82	11.87	26
27	11.89	11.51	23.96	31.53	14.96	10.93	13.92	11.97	13.38	13.84	12.82	11.73	27
28	11.88	11.52	23.94	31.74	13.70	10.93	13.92	12.00	13.39	13.77	12.83	11.73	28
29	11.88	11.52	23.30	31.57		10.92	13.92	11.91	13.38	13.39	12.84	11.77	29
30	11.88	11.52	19.66	31.59		10.91	13.92	12.13	13.38	13.43	12.79	11.73	30
31	11.88		18.65	31.58		10.88		12.11		13.14	12.83		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12/25/69	0030	24.13									
1/24/70	1945	32.20									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
40 36 05	122 26 35	NW28 32N 5W	186000	47.2	2/28/40	OCT 38-DATE	OCT 38-DATE	1938	1939	500.01	USCGS
				32.20	1/24/70			1939	1942	495.01	USCGS
								1942		479.81	USCGS

Station located 0.8 mi. below Keswick Dam, 1.6 mi. below Keswick. Flow regulated by Shasta Lake. Records furnished by USGS.
Drainage area, excluding Goose Lake Basin, is approximately 6,468 sq. mi.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A02788	SACRAMENTO RIVER ABOVE BEND BRIDGE NEAR RED BLUFF

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	4.18	3.77	3.55	10.68	24.74	10.81	4.14	5.61	4.17	4.84	4.43	4.17	1
2	3.80	3.78	3.55	9.95	23.54	6.45	3.82	5.61	4.22	4.79	4.42	3.96	2
3	3.71	3.77	3.54	8.22	22.06	5.91	3.67	5.60	4.36	4.78	4.39	3.88	3
4	3.65	3.76	3.54	7.93	21.66	7.70	3.63	5.00	4.43	4.78	4.40	3.87	4
5	3.67	4.03	3.53	7.82	20.50	8.91	3.61	4.62	4.47	4.77	4.41	3.75	5
6	3.64	4.28	3.54	7.73	NR	6.60	3.59	4.64	4.69	4.73	4.43	3.72	6
7	3.64	4.17	3.54	7.65	NR	6.42	3.57	4.67	4.71	4.73	4.42	3.69	7
8	3.47	3.98	3.55	7.71	NR	8.97	3.53	4.70	4.73	4.76	4.42	3.68	8
9	3.67	3.92	3.41	13.37	NR	7.32	3.50	4.74	4.83	4.76	4.42	3.68	9
10	3.67	3.38	3.03	15.78	NR	7.89	3.49	4.74	4.96	4.94	4.42	3.67	10
11	3.67	2.49	2.98	11.27	NR	6.85	3.74	4.72	4.87	5.18	4.32	3.54	11
12	3.68	1.97	8.65	11.82	15.42	6.61	4.02	4.69	4.77	5.26	4.37	3.48	12
13	3.67	3.58	12.33	12.55	15.29	6.49	4.15	4.33	4.74	5.28	4.12	3.43	13
14	3.69	3.64	8.27	18.72	14.02	6.43	4.26	3.89	4.80	5.27	4.18	3.41	14
15	3.86	3.63	7.77	18.65	11.86	6.15	4.21	3.75	4.81	5.27	4.10	3.45	15
16	4.14	3.62	6.96	24.15	11.21	5.78	4.17	3.73	4.74	5.27	4.16	3.46	16
17	4.12	3.61	6.79	NR	13.11	5.66	4.16	3.74	4.71	5.26	4.17	3.45	17
18	3.94	3.61	7.04	NR	11.27	5.95	4.13	3.75	4.67	5.25	4.23	3.47	18
19	3.92	3.59	16.36	NR	10.61	5.72	4.14	3.76	4.70	5.25	4.27	3.47	19
20	3.87	3.60	17.60	NR	9.84	5.39	4.24	3.75	4.90	5.26	4.18	3.45	20
21	3.83	3.60	17.18	NR	9.52	5.02	4.42	3.73	4.91	5.27	4.08	3.44	21
22	3.82	3.61	14.82	NR	9.04	4.95	4.66	3.72	4.89	5.26	4.17	3.43	22
23	3.81	3.60	16.78	NR	8.55	4.85	4.95	3.69	4.87	5.28	4.20	3.44	23
24	3.80	3.59	17.16	NR	8.44	4.77	5.40	3.82	4.87	5.32	4.17	3.45	24
25	3.82	3.58	17.33	NR	8.38	4.76	5.64	3.92	4.90	5.17	4.13	3.47	25
26	3.82	3.58	16.55	NR	8.36	4.71	5.67	3.94	4.91	4.98	4.14	3.49	26
27	3.80	3.57	16.05	31.53	8.23	4.66	5.68	3.96	4.91	5.00	4.16	3.44	27
28	3.82	3.57	15.73	28.20	7.77	4.63	5.67	3.98	4.94	5.01	4.16	3.35	28
29	3.81	3.57	15.47	26.55		4.57	5.62	3.96	4.98	4.73	4.20	3.39	29
30	3.80	3.56	12.80	25.77		4.53	5.60	3.95	4.92	4.68	4.19	3.38	30
31	3.78		10.87	25.43		4.43		4.02		4.51	4.18		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-24-70	0600	36.60									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
40 17 19	122 11 08	SE10 28N 3W	157000	36.60	1/24/70	1967-DATE	1967-DATE			0.00	LOCAL

Station located 2.7 mi. upstream from Bend Bridge, 8.1 mi. NE of Red Bluff. Drainage area excluding Goose Lake Basin, is 8,904 sq. mi.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A02700	SACRAMENTO RIVER AT VINA BRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	67.72	67.48	67.48	72.57	84.60	73.98	68.36	68.90	67.91	68.30	67.98	67.80	1
2	67.47	67.47	67.49	72.18	83.78	71.61	68.10	68.88	67.96	68.26	67.97	67.71	2
3	67.32	67.47	67.49	71.06	82.78	70.21	67.97	68.90	67.98	68.24	67.95	67.60	3
4	67.33	67.46	67.48	70.58	81.93	70.71	67.91	68.72	68.08	68.23	67.94	67.60	4
5	67.32	67.96	67.47	70.47	81.23	73.39	67.85	68.30	68.09	68.24	67.96	67.53	5
6	67.32	68.02	67.48	70.38	79.86	70.86	67.86	68.30	68.25	68.21	67.95	67.47	6
7	67.30	67.98	67.48	70.30	79.57	70.34	67.82	68.31	68.25	68.20	67.98	67.44	7
8	67.32	67.79	67.53	70.32	79.47	73.00	67.78	68.34	68.28	68.19	67.95	67.44	8
9	67.24	67.67	67.41	74.69	78.72	71.73	67.75	68.41	68.33	68.21	67.98	67.43	9
10	67.34	67.60	67.27	79.75	77.65	72.22	67.70	68.44	68.43	68.25	67.96	67.42	10
11	67.32	66.82	67.22	74.09	76.95	71.13	67.75	68.45	68.40	68.43	67.92	67.35	11
12	67.37	66.44	70.74	74.12	76.28	70.70	67.99	68.32	68.24	68.50	67.83	67.31	12
13	67.35	66.90	76.01	74.96	76.66	70.47	68.09	68.28	68.26	68.55	67.84	67.27	13
14	67.38	67.49	71.55	81.70	76.77	70.34	68.20	67.87	68.29	68.51	67.76	67.23	14
15	67.49	67.52	71.06	82.11	74.34	70.26	68.18	67.74	68.33	68.50	67.82	67.27	15
16	67.91	67.51	70.17	84.72	73.29	69.92	68.12	67.70	68.28	68.51	67.77	67.27	16
17	67.99	67.50	69.85	85.59	75.62	69.72	68.11	67.73	68.24	68.50	67.82	67.28	17
18	67.66	67.58	69.82	82.21	73.97	69.71	68.08	67.77	68.20	68.50	67.81	67.29	18
19	67.62	67.53	74.44	80.23	73.20	69.51	68.05	67.74	68.20	68.50	67.81	67.29	19
20	67.56	67.51	80.75	82.49	72.56	69.36	68.09	67.75	68.28	68.52	67.83	67.32	20
21	67.52	67.50	80.57	85.46	72.20	69.18	68.07	67.72	68.34	68.47	67.78	67.28	21
22	67.53	67.52	78.93	88.20	71.93	69.08	68.27	67.76	68.35	68.49	67.79	67.27	22
23	67.50	67.50	77.15	88.18	71.52	69.02	68.45	67.68	68.31	68.51	67.82	67.27	23
24	67.51	67.51	80.29	90.77	71.36	68.92	68.67	67.71	68.29	68.51	67.82	67.27	24
25	67.50	67.48	78.22	87.85	71.26	68.86	68.94	67.82	68.29	68.53	67.79	67.27	25
26	67.49	67.50	78.03	87.15	71.22	68.83	68.96	67.83	68.29	68.33	67.78	67.30	26
27	67.51	67.49	77.10	88.42	71.11	68.77	68.99	67.86	68.30	68.33	67.80	67.31	27
28	67.50	67.49	76.65	87.92	71.03	68.70	68.96	67.86	68.37	68.34	67.78	67.25	28
29	67.48	67.50	76.34	86.43		68.64	68.93	67.86	68.45	68.22	67.81	67.25	29
30	67.49	67.49	75.10	85.52		68.59	68.91	67.74	68.37	68.11	67.83	67.25	30
31	67.48		72.94	85.03		68.50		67.85		68.09	67.80		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-22-69	0145	82.36									
1-24-70	0530	91.48									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 54 34	122 05 31	NE28 24N 2W	168000	91.48	1/24/70	APR 45-DATE	APR 45-DATE	1945		100.00	USED
								1945		97.15	USCGS

Station located 250 ft. above Vina-Corning Highway Bridge, 2.6 mi. SW of Vina. The maximum discharge of record is for the main river channel and does not include water by-passing the station on the left bank. Flow regulated by Shasta Lake since December 30, 1943. Approximately 190,000 acre-feet diverted from the river between Keswick and Vina in addition to diversions from the tributaries. Trans-basin diversions from the Trinity River to Whiskeytown Reservoir via Judge Francis Carr Powerplant began in Apr. 1963. Drainage area, excluding Goose Lake Basin, is approximately 10,930 sq. mi.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A02630	SACRAMENTO RIVER AT HAMILTON CITY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	28.85	28.65	28.78	33.28	44.42	34.39	29.60	29.56	28.50	28.99	28.58	28.60	1
2	28.64	28.64	28.78	33.04	43.69	33.33	29.35	29.52	28.58	28.95	28.56	28.54	2
3	28.48	28.62	28.80	32.17	42.73	31.70	29.16	29.52	28.54	28.93	28.55	28.42	3
4	28.49	28.63	28.77	31.62	41.73	31.70	29.04	29.46	28.66	28.93	28.55	28.43	4
5	28.46	28.98	28.79	31.53	41.27	34.55	28.93	29.00	28.67	28.91	28.53	28.41	5
6	28.49	29.20	28.77	31.44	40.03	32.41	28.87	28.96	28.76	28.91	28.56	28.34	6
7	28.45	29.24	28.79	31.36	39.61	31.78	28.82	29.02	28.82	28.85	28.55	28.37	7
8	28.47	29.07	28.81	31.38	39.51	33.74	28.70	29.05	28.86	28.82	28.56	28.37	8
9	28.37	28.97	28.77	34.17	39.01	33.22	28.62	29.13	28.92	28.83	28.55	28.39	9
10	28.50	28.90	28.63	40.12	38.10	33.28	28.53	29.19	29.02	28.82	28.54	28.40	10
11	28.49	28.33	28.55	35.32	37.42	32.43	28.51	29.18	29.03	29.02	28.52	28.42	11
12	28.50	27.96	30.30	34.67	36.83	32.06	28.73	29.09	28.89	29.09	28.42	28.35	12
13	28.49	28.08	36.27	35.14	36.94	31.83	28.83	29.10	28.88	29.14	28.47	28.35	13
14	28.52	28.76	32.75	40.33	37.62	31.69	28.89	28.72	28.93	29.12	28.36	28.36	14
15	28.63	28.81	31.92	42.61	35.40	31.63	28.88	28.54	29.00	29.09	28.41	28.41	15
16	28.98	28.81	31.19	42.69	34.40	31.32	28.82	28.45	28.95	29.09	28.35	28.45	16
17	29.24	28.81	30.84	46.11	36.04	31.12	28.79	28.46	28.89	29.10	28.41	28.48	17
18	28.94	28.85	30.76	42.48	35.01	31.07	28.74	28.49	28.86	29.10	28.43	28.46	18
19	28.63	28.84	33.35	40.24	34.28	30.95	28.71	28.46	28.83	29.10	28.44	28.49	19
20	28.80	28.81	40.14	41.31	33.77	30.76	28.72	28.46	28.89	29.10	28.45	28.51	20
21	28.75	28.79	39.76	43.96	33.41	30.60	28.76	28.43	28.97	29.07	28.41	28.49	21
22	28.74	28.80	39.46	47.14	33.19	30.50	28.82	28.40	28.96	29.07	28.38	28.49	22
23	28.73	28.79	36.69	47.60	32.82	30.43	29.01	28.39	28.92	29.08	28.46	28.50	23
24	28.72	28.80	39.99	50.11	32.65	30.33	29.20	28.39	28.88	29.07	28.49	28.48	24
25	28.71	28.79	38.06	48.00	32.55	30.28	29.48	28.50	28.88	29.11	28.48	28.47	25
26	28.72	28.79	37.97	47.07	32.51	30.22	29.54	28.48	28.89	28.93	28.47	28.51	26
27	28.72	28.78	37.13	47.43	32.42	30.08	29.58	28.50	28.89	28.94	28.50	28.53	27
28	28.70	28.79	36.71	48.09	32.39	29.98	29.58	28.49	28.98	28.91	28.50	28.49	28
29	28.70	28.80	36.43	46.43		29.95	29.56	28.48	29.09	28.84	28.54	28.48	29
30	28.67	28.79	35.67	45.40		29.84	29.57	28.41	29.03	28.67	28.58	28.48	30
31	28.67		33.80	44.83		29.75		28.48		28.67	28.57		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-22-69	0645	41.28									
1-24-70	0730	50.77									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 45 07	121 59 43	NE20 22N 1W	350000 E	22.6	2/28/40	APR 45-DATE	27-DATE	1927	1945	127.9	USED
			156000	50.77	1/24/70			1945		100.0	USED
								1945		96.5	USCGS

Station located at Gianella Bridge, State Highway 32, 1.0 mi. NE of Hamilton City. The maximum discharges of record since Feb. 1940, are for the main river channel and do not include water by-passing the station on the left bank. Flow regulated by Shasta Lake since Dec. 30, 1943. Approximately 950,000 acre-feet diverted from the river between Keswick and Hamilton City in addition to diversions from the tributaries. Transbasin diversions from the Trinity River to Whiskeytown Reservoir via Judge Francis Carr Powerplant began in Apr. 1963. Drainage area, excluding Goose Lake Basin, is approximately 11,060 sq. mi.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A02570	SACRAMENTO RIVER AT ORD FERRY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	47.13	46.89	47.02	52.76	64.88	53.32	48.39	48.05	46.80	47.23	46.80	46.80	1
2	46.95	46.88	47.00	52.48	64.44	53.49	48.18	48.01	46.90	47.19	46.78	46.78	2
3	46.77	46.87	47.01	51.59	63.55	51.19	47.98	48.01	46.86	47.17	46.78	46.62	3
4	46.75	46.86	46.99	50.79	62.27	50.92	47.81	47.99	46.96	47.15	46.76	46.62	4
5	46.73	47.11	47.00	50.62	61.59	53.84	47.66	47.54	47.00	47.14	46.73	46.61	5
6	46.75	47.50	47.00	50.48	60.28	51.89	47.56	47.44	47.03	47.14	46.75	46.51	6
7	46.73	47.49	47.00	50.38	59.48	51.01	47.48	47.48	47.12	47.09	46.74	46.54	7
8	46.72	47.35	47.04	50.37	59.30	52.85	47.37	47.53	47.17	47.03	46.76	46.54	8
9	46.63	47.25	47.02	52.78	58.95	52.73	47.27	47.59	47.21	47.04	46.75	46.56	9
10	46.74	47.18	46.87	60.18	58.01	52.66	47.15	47.67	47.31	47.03	46.75	46.58	10
11	46.74	46.71	46.77	56.45	57.11	52.15	47.09	47.65	47.35	47.18	46.73	46.62	11
12	46.74	46.30	48.07	54.65	56.42	51.47	47.24	47.59	47.20	47.29	46.63	46.54	12
13	46.75	46.18	55.92	55.60	56.34	51.18	47.34	47.60	47.18	47.33	46.67	46.53	13
14	46.77	46.92	52.86	60.44	57.69	50.84	47.42	47.28	47.21	47.34	46.55	46.54	14
15	46.85	47.02	51.08	64.04	55.37	50.70	47.41	47.06	47.28	47.29	46.59	46.59	15
16	47.17	47.02	50.22	62.90	54.14	50.41	47.37	46.95	47.24	47.29	46.54	46.64	16
17	47.47	47.02	49.68	65.96	55.68	50.15	47.33	46.91	47.18	47.30	46.60	46.67	17
18	47.24	47.04	49.54	64.42	55.07	50.02	47.27	46.93	47.14	47.30	46.60	46.65	18
19	47.09	47.10	51.80	62.09	54.19	49.95	47.24	46.86	47.10	47.29	46.59	46.70	19
20	47.04	47.04	59.71	61.97	53.83	49.70	47.22	46.82	47.13	47.31	46.62	46.70	20
21	47.02	47.03	59.87	64.28	53.31	49.53	47.28	46.79	47.21	47.27	46.59	46.71	21
22	46.98	47.05	60.26	66.36	52.97	49.39	47.29	46.76	47.21	47.27	46.55	46.70	22
23	46.99	47.00	56.73	67.16	52.60	49.31	47.47	46.74	47.16	47.27	46.63	46.71	23
24	46.96	47.04	59.89	68.86	52.33	49.19	47.64	46.72	47.13	47.29	46.66	46.69	24
25	46.96	47.03	58.45	68.53	52.15	49.13	47.89	46.82	47.12	47.33	46.66	46.68	25
26	46.98	47.01	57.92	67.09	51.76	49.03	48.02	46.80	47.14	47.18	46.64	46.72	26
27	46.97	47.02	57.05 E	66.82	51.57	48.89	48.06	46.81	47.12	47.16	46.66	46.74	27
28	46.95	47.01	56.49 E	67.82	51.49	48.76	48.06	46.82	47.21	47.13	46.67	46.71	28
29	46.95	47.02	56.17 E	66.77		48.70	48.06	46.79	47.32	47.08	46.69	46.69	29
30	46.92	47.01	55.60 E	65.79		48.61	48.04	46.74	47.30	46.91	46.75	46.69	30
31	46.92		53.65	65.21		48.50		46.78		46.91	46.75		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-22-69	1100	61.14									
1-24-70	1645	69.79									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 37 39	121 59 28	SE32 21N 1W	138000	69.8	1/24/70	JAN 48-DATE	21-MAY 27 #	1937	1960	0.00	USED
							FEB 37-MAY 37				
							OCT 37-MAY 39	1960		50.00	
							NOV 39-MAY 41 #				
							NOV 41-DATE				

Station located 0.1 mi. below Ord Ferry. Records of flows in excess of 70,000 cubic feet per second are not reliable due to an undetermined amount of water by-passing the station via Butte Basin. Flow regulated by Shasta Lake since Dec. 30, 1943. Approximately 980,000 acre-feet diverted from the river between Keswick and Ord Ferry in addition to diversions from the tributaries. Transbasin diversions from the Trinity River to Whiskeytown Reservoir via Judge Francis Carr Powerplant began in Apr. 1963. Drainage area, excluding Goose Lake Basin, is approximately 12,480 sq. mi.

- Flood season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A02500	SACRAMENTO RIVER AT BUTTE CITY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	71.90	71.57	71.76	78.48	91.82	78.03	73.46	72.86	71.38	71.99	71.47	71.45	1
2	71.74	71.55	71.75	78.09	91.57	79.93	73.22	72.86	71.46	71.93	71.43	71.44	2
3	71.47	71.54	71.76	77.29	91.11	77.07	72.99	72.86	71.50	71.91	71.41	71.29	3
4	71.41	71.53	71.77	76.32	90.35	76.48	72.86	72.84	71.51	71.88	71.37	71.23	4
5	71.37	71.65	71.74	75.99	89.76	78.81	72.71	72.40	71.61	71.87	71.35	71.23	5
6	71.36	72.33	71.74	75.78	88.91	78.00	72.56	72.14	71.60	71.86	71.36	71.16	6
7	71.34	72.29	71.73	75.64	87.80	76.70	72.48	72.17	71.74	71.80	71.36	71.14	7
8	71.33	72.20	71.79	75.57	87.34	77.69	72.35	72.20	71.82	71.74	71.38	71.14	8
9	71.21	72.05	71.80	76.81	87.05	78.67	72.21	72.21	71.87	71.68	71.36	71.17	9
10	71.36	71.95	71.63	85.32	85.92	77.96	72.05	72.33	71.94	71.70	71.37	71.21	10
11	71.35	71.56	71.47	85.54	84.39	77.92	71.96	72.37	72.05	71.78	71.34	71.29	11
12	71.36	70.89	72.00	80.76	83.27	77.03	72.12	72.37	72.00	72.05	71.17	71.27	12
13	71.38	70.51	79.69	81.25	82.73	76.70	72.45	72.24	71.86	72.11	71.25	71.21	13
14	71.37	71.46	79.37	85.25	84.48	76.37	72.59	72.03	71.88	72.13	71.15	71.23	14
15	71.49	71.74	76.17	90.62	82.51	76.16	72.69	71.69	71.95	72.09	71.16	71.27	15
16	71.84	71.77	75.36	90.37	80.42	75.88	72.52	71.52	71.99	72.02	71.10	71.34	16
17	72.26	71.77	74.68	91.90	81.11	75.57	72.18	71.47	71.91	72.04	71.16	71.38	17
18	72.07	71.78	74.47	91.98	81.70	75.36	71.90	71.44	71.85	72.05	71.17	71.37	18
19	71.86	71.87	75.55	90.29	80.21	75.32	71.84	71.42	71.80	72.04	71.19	71.42	19
20	71.78	71.81	84.35	99.51	79.81	75.05	71.80	71.37	71.78	72.05	71.22	71.41	20
21	71.74	71.79	87.42	90.84	79.22	74.85	71.83	71.38	71.85	71.98	71.18	71.45	21
22	71.70	71.82	88.27	92.35	78.79	74.66	71.78	71.32	71.93	71.95	71.12	71.41	22
23	71.68	71.75	85.22	93.40	78.41	74.55	72.00	71.31	71.90	71.91	71.20	71.40	23
24	71.68	71.79	86.19	94.48	78.08	74.43	72.20	71.29	71.82	72.03	71.27	71.41	24
25	71.65	71.77	87.16	95.35	77.88	74.32	72.58	71.33	71.78	72.08	71.27	71.38	25
26	71.67	71.77	85.62	93.77	77.52	74.27	72.75	71.39	71.78	71.99	71.27	71.43	26
27	71.66	71.76	84.55	93.17	77.29	74.10	72.81	71.37	71.79	71.86	71.28	71.48	27
28	71.65	71.76	83.47	93.88	77.18	73.96	72.85	71.39	71.85	71.85	71.30	71.46	28
29	71.64	71.76	82.86	93.54		73.91	72.86	71.36	72.00	71.81	71.32	71.38	29
30	71.60	71.76	82.27	92.62		73.79	72.86	71.33	72.07	71.61	71.39	71.42	30
31	71.60		80.05	92.09		73.59		71.29		71.56	71.41		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12/22/69	1630	88.68									
1/25/70	0230	95.92									

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 27 35	121 59 35	NE32 19N 1W	170000	96.87	2/ 7/42	JUL 19-OCT 38 ȣ	JUL 19-OCT 28 ȣ	1921		0.00	USED
			152000	95.92	1/25/70	JAN 39-DATE	APR 29-DATE				

Station located at highway bridge, 0.5 mi. S of Butte City. Maximum discharge of record listed is for period 1940 to date.
Records furnished by USGS.

ȣ - Irrigation season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A02445	SACRAMENTO RIVER AT MOULTON WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1					80.66								1
2					80.48								2
3					80.12								3
4					79.56								4
5					79.04								5
6					78.51								6
7					77.74								7
8					77.38								8
9					77.20								9
10				76.81 A	76.90 A								10
11				77.09 A									11
12													12
13													13
14				76.94 A									14
15				78.84									15
16				79.46									16
17				80.16									17
18				80.86									18
19				79.67									19
20				78.82									20
21			76.88 A	79.50									21
22			77.37	80.78									22
23			77.31 A	81.76									23
24			76.95 A	82.40									24
25			77.25 A	83.46									25
26				82.36									26
27				81.77									27
28				82.19									28
29				82.13									29
30				81.38									30
31				80.92									31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-25-70	0715	83.68									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 20 18	122 01 18	SE12 17N 2W		83.8 82.14	2/7/42 1/7/65	JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED

Station located west of south end of weir, 4.6 mi. S of Princeton. Gage heights below weir crest (elevation 76.75 ft.) are not tabulated.

A - Mean gage height for period of flow.
- Flood season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A02450	SACRAMENTO RIVER OPPOSITE MOULTON WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	58.39	57.95	58.18	68.09	81.06	65.94	60.27	59.33	57.49	58.27	57.59	57.53	1
2	58.32	57.93	58.17	67.29	80.82	69.93	59.96	59.33	57.62	58.18	57.52	57.54	2
3	57.99	57.91	58.18	66.28	80.42	66.05	59.60	59.29	57.62	58.16	57.49	57.38	3
4	57.81	57.90	58.20	64.69	79.80	64.35	59.35	59.27	57.65	58.14	57.44	57.30	4
5	57.79	58.02	58.16	64.03	79.21	67.09	59.15	58.84	57.80	58.12	57.42	57.30	5
6	57.74	58.84	58.15	63.72	78.61	67.70	58.97	58.48	57.77	58.09	57.43	57.23	6
7	57.71	58.83	58.16	63.51	77.73	64.99	58.83	58.50	57.97	58.02	57.42	57.21	7
8	57.68	58.77	58.22	63.39	77.28	65.64	58.70	58.56	58.01	57.94	57.46	57.20	8
9	57.64	58.57	58.25	64.46	77.08	68.20	58.52	58.64	58.09	57.87	57.43	57.23	9
10	57.64	58.44	58.06	73.37	76.35	66.87	58.30	58.74	58.21	57.89	57.44	57.25	10
11	57.73	58.09	57.86	76.24	75.00	67.15	58.13	58.74	58.34	58.00	57.40	57.35	11
12	57.71	57.22	58.17	71.43	73.80	65.63	58.21	58.75	58.24	58.24	57.33	57.34	12
13	57.74	56.75	66.71	71.20	73.03	64.91	58.42	58.64	58.10	58.33	57.28	57.27	13
14	57.71	57.68	69.68	74.20	74.39	64.35	58.48	58.39	58.14	58.39	57.20	57.29	14
15	57.82	58.14	65.21	79.07	73.36	63.98	58.51	57.97	58.23	58.35	57.18	57.32	15
16	58.13	58.20	63.63	79.75	70.45	63.60	58.43	57.74	58.27	58.27	57.13	57.41	16
17	58.72	58.20	62.39	80.54	70.65	63.11	58.36	57.65	58.16	58.30	57.18	57.46	17
18	58.67	58.20	61.97	81.33	72.12	62.80	58.26	57.63	58.08	58.31	57.20	57.47	18
19	58.37	58.31	62.76	79.95	70.12	62.75	58.19	57.61	58.03	58.30	57.22	57.54	19
20	58.26	58.24	72.07	78.99	69.53	62.37	58.13	57.57	58.01	58.33	57.25	57.55	20
21	58.18	58.22	76.56	79.78	68.67	62.11	58.19	57.55	58.12	58.30	57.21	57.59	21
22	58.13	58.24	77.37	81.22	67.91	61.85	58.16	57.47	58.17	58.25	57.15	57.55	22
23	58.09	58.18	76.06	82.34	67.27	61.71	58.41	57.45	58.12	58.25	57.23	57.53	23
24	58.09	58.21	75.31	83.09	66.69	61.56	58.64	57.41	58.04	58.28	57.30	57.54	24
25	58.07	58.20	77.10	84.33	66.37	61.38	58.97	57.50	58.00	58.29	57.30	57.50	25
26	58.06	58.19	75.84	83.00	65.81	61.30	59.28	57.54	58.01	58.23	57.31	57.55	26
27	58.06	58.19	74.94	82.36	65.36	61.09	59.34	57.51	58.00	58.03	57.31	57.61	27
28	58.06	58.18	73.79	82.86	65.15	60.88	59.38	57.54	58.10	58.03	57.34	57.60	28
29	58.04	58.18	73.09	82.77		60.77	59.35	57.51	58.30	57.98	57.37	57.51	29
30	57.99	58.19	72.55	81.91		60.65	59.33	57.46	58.34	57.76	57.45	57.54	30
31	57.98		70.48	81.35		60.44		57.42		57.67	57.48		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-22-69	2245	77.78									
1-25-70	0630	84.64									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 20 13	122 01 50	SW12 17N 2W		85.5 83.0	2/ 7/42 12/24/64	MAR 54-DATE 8	OCT 22-MAY 40 # JUL 40-JUL 41 NOV 41-JUL 43 # OCT 43-DATE			0.00	USED

Station located immediately W of weir, 4.8 mi. S of Princeton.

8 - Irrigation season only.
- Flood season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A02430	SACRAMENTO RIVER AT COLUSA WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1				61.85 A	66.76								1
2					66.65	62.36 A							2
3					66.49								3
4					66.24								4
5					65.96								5
6					65.73								6
7					65.38								7
8					65.18								8
9					65.12								9
10				63.74 A	64.86								10
11				64.66	64.38								11
12				63.08	63.92								12
13				62.81	63.63								13
14			62.29 A	63.71	64.06								14
15				65.57	63.84								15
16				66.08	62.66								16
17				66.24	62.49								17
18				66.70	63.32								18
19				66.17	62.48								19
20			63.49 A	65.66	62.12								20
21			64.69	65.88	61.84 A								21
22			65.06	66.50									22
23			64.70	67.00									23
24			64.15	67.30									24
25			64.93	68.23									25
26			64.43	68.09									26
27			64.12	67.62									27
28			63.74	67.56									28
29			63.50	67.65									29
30			63.34	67.30									30
31			62.64	66.95									31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-25-70	1330	68.38									

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 14 12	121 59 38	SE17 16N 1W		70.6	3/1/40	JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED

Station located at north end of weir, 2.0 mi. N of Colusa. Gage heights below weir crest (elevation 61.80 ft.) are not tabulated.

A - Mean gage height for period of flow.
- Flood season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A02420	SACRAMENTO RIVER AT COLUSA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	44.16	43.54	43.93	59.03	65.66	54.47	46.83	45.07	42.44	43.67	42.61	42.56	1
2	44.08	43.51	43.93	57.64	65.54	59.81	46.46	45.10	42.48	43.63	42.45	42.63	2
3	43.58	43.48	43.93	56.57	65.34	57.15	45.91	45.06	42.56	43.59	42.39	42.48	3
4	43.30	43.45	43.93	54.53	65.02	53.77	45.51	45.05	42.56	43.54	42.35	42.25	4
5	43.28	43.54	43.92	53.03	64.64	55.27	45.22	44.69	42.68	43.46	42.32	42.27	5
6	43.19	44.51	43.92	52.36	64.35	58.66	44.93	43.97	42.80	43.45	42.32	42.21	6
7	43.14	44.82	43.91	51.96	63.86	55.11	44.73	43.96	42.96	43.32	42.31	42.12	7
8	43.09	44.87	43.91	51.70	63.60	54.23	44.52	44.05	43.09	43.19	42.32	42.13	8
9	43.03	44.58	43.91	52.26	63.52	58.35	44.24	44.16	43.19	43.06	42.32	42.15	9
10	42.99	44.35	43.91	59.99	63.26	57.14	43.94	44.33	43.27	43.06	42.32	42.19	10
11	43.15	44.09	43.76	63.19	62.70	57.49	43.64	44.39	43.49	43.15	42.31	42.33	11
12	43.12	42.72	43.61	61.51	62.20	55.75	43.60	44.44	43.67	43.53	42.30	42.38	12
13	43.16	42.43	51.60	61.08	61.88	54.45	43.90	44.29	43.64	43.66	42.12	42.31	13
14	43.11	42.74	59.99	62.08	62.30	53.51	44.01	44.19	43.58	43.79	42.17	42.33	14
15	43.27	43.53	56.08	64.10	62.18	52.70	44.07	43.50	43.59	43.75	42.05	42.35	15
16	43.67	43.73	53.11	64.78	60.80	52.15	43.95	43.12	43.60	43.65	42.08	42.48	16
17	44.49	43.76	50.91	64.95	60.47	51.34	43.80	42.92	43.60	43.65	42.03	42.59	17
18	44.69	43.76	49.85	65.55	61.56	50.72	43.65	42.86	43.58	43.67	42.09	42.66	18
19	44.19	43.88	49.95	64.92	60.59	50.51	43.54	42.79	43.56	43.67	42.06	42.72	19
20	44.01	43.97	58.54	64.32	60.13	50.04	43.43	42.70	43.50	43.69	42.10	42.77	20
21	43.90	43.97	63.02	64.54	59.40	49.62	43.43	42.66	43.47	43.66	42.14	42.82	21
22	43.80	43.96	63.46	65.27	58.39	49.21	43.41	42.57	43.48	43.58	42.04	42.73	22
23	43.76	43.96	63.22	65.91	57.54	48.95	43.64	42.51	43.48	43.58	42.09	42.70	23
24	43.74	43.96	62.59	66.27	56.70	48.76	43.95	42.47	43.46	43.60	42.20	42.67	24
25	43.72	43.95	63.43	67.40	56.19	48.50	44.36	42.50	43.44	43.60	42.22	42.62	25
26	43.70	43.95	62.96	67.16	55.54	48.35	44.90	42.63	43.41	43.64	42.23	42.65	26
27	43.71	43.95	62.63	66.66	54.76	48.09	45.03	42.55	43.40	43.29	42.21	42.75	27
28	43.70	43.95	62.21	66.61	54.29	47.77	45.14	42.59	43.40	43.26	42.27	42.77	28
29	43.64	43.94	61.92	66.76		47.56	45.10	42.57	43.56	43.18	42.31	42.68	29
30	43.59	43.94	61.72	66.34		47.41	45.09	42.51	43.68	42.93	42.43	42.67	30
31	43.57		60.98	65.90		47.12		42.44		42.66	42.51		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12/23/69	0130	63.68									
1/25/70	1600	67.61									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 12 50	121 59 55	NW29 16N 1W	49000	69.20	2/8/42	APR 20-OCT 38 8	APR 19-DATE	1921 1921		0.00 -3.0	USED USCGS

Station located just below highway bridge at Colusa. Maximum discharge of record listed is for period 1938 to date. Records furnished by USGS.

8 - Irrigation season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A02984	CHEROKEE CANAL NEAR RICHVALE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.29	2.60	2.86	3.60	4.12	6.04	3.06	3.92	3.91	4.03	4.00	4.03	1
2	2.21	2.46	2.84	3.51	4.03	5.03	3.05	3.94	3.71	4.03	4.02	4.00	2
3	2.19	2.67	2.84	3.45	3.94	3.97	3.04	4.05	3.55	4.03	4.02	3.95	3
4	2.19	2.73	2.82	3.40	3.93	4.69	2.93	4.16	3.47	4.03	4.02	3.89	4
5	2.14	3.06	2.74	3.35	3.85	5.61	2.96	4.13	3.32	4.00	4.07	3.99	5
6	2.08	3.29	2.83	3.31	3.77	4.21	3.00	3.98	3.15	3.94	4.08	4.11	6
7	2.03	2.99	2.86	3.32	3.72	3.89	3.01 E	4.13	3.19	3.41	4.07	4.05	7
8	2.02	2.97	2.91	3.36	3.68	5.67	2.94 E	4.09	3.23	3.65	4.06	3.97	8
9	2.05	2.92	2.99	6.48	3.63	4.38	2.97 E	4.17	3.32	3.73	4.08	3.91	9
10	2.10	2.88	2.95	7.07	3.38	4.65	3.00 E	4.18	3.59	3.46	4.10	3.92	10
11	2.23	2.88	3.20	5.08	3.22	4.00	3.03 E	3.97	3.74	3.85	4.11	3.82	11
12	2.30	2.88	3.93	5.87	3.40	3.73	3.07 E	3.75	3.92	4.03	4.07	3.72	12
13	2.34	2.87	5.46	7.19	5.25	3.82	3.10 E	3.94	3.93	4.02	4.05	3.66	13
14	2.29	2.86	3.83	9.92	6.52	3.77	3.13 E	4.02	3.98	3.92	4.01	3.62	14
15	2.27	2.90	3.57	7.17	4.43	3.68	3.16 E	3.94	3.87	3.92	3.96	3.46	15
16	2.37	2.87	3.35	8.36	4.03	3.60	3.19 E	3.85	3.86	3.53	3.97	3.30	16
17	2.40	2.83	3.22	6.64	5.76	3.51	3.22 E	3.91	3.94	3.67	4.01	3.15	17
18	2.41	2.83	3.20	5.66	4.33	3.45	3.33	3.91	3.99	3.70	3.97	2.96	18
19	2.52	2.84	6.39	5.68	3.83	3.40	3.47	4.06	3.99	3.70	3.92	2.83	19
20	2.68	2.84	7.66	6.55	3.58	3.35	3.43	4.06	3.94	3.75	3.84	3.12	20
21	2.73	2.85	7.45	9.61	3.46	3.32	3.36	4.11	3.86	3.81	4.03	3.13	21
22	2.72	2.85	6.16	7.83	3.37	3.30	3.37	4.09	3.85	3.79	4.14	2.52	22
23	2.70	2.86	7.22	6.62	3.30	3.28	3.78	3.98	3.84	3.71	4.02	2.52	23
24	2.70	2.85	9.56	8.18	3.26	3.25	3.92	3.79	3.85	3.70	3.69	2.40	24
25	2.71	2.85	6.67	6.08	3.20	3.21	3.89	3.65	3.83	3.70	3.47	2.21	25
26	2.72	2.87	5.41	5.31	3.15	3.18	3.87	3.79	3.84	3.71	3.45	2.10	26
27	2.74	2.87	4.62	7.15	3.13	3.15	3.91	3.93	3.86	3.74	3.96	2.04	27
28	2.72	2.87	4.22	5.56	3.15	3.13	3.91	4.12	3.93	3.81	4.10	1.93	28
29	2.71	2.86	3.99	4.84		3.11	4.04	4.08	3.99	3.99	4.12	1.92	29
30	2.69	2.85	3.82	4.52		3.10	3.92	4.02	4.03	3.98	4.10	1.93	30
31	2.69		3.68	4.28		3.09		3.94		3.96	4.07		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-24-69	0415	11.01									
1-14-70	1315	11.48									

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 27 53	121 44 37	NW34 19N 2E	15200 E	13.80	10/13/62	JUL 60-DATE	JUL 60-DATE	1960		88.20	USCGS

Station located at Butte City Road Bridge, 2.1 mi. S of Richvale. Backwater from Cherokee Dam weir, 1.05 mi. below station, at times affects the stage-discharge relationship. Weir has 13 bays and is operated by the Richvale Irrigation District.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A02301	SACRAMENTO RIVER AT TISDALE WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1				47.48	49.02								1
2				46.90	48.89 E	47.03 A							2
3				46.52	48.79 E	46.79							3
4				45.85 A	48.68	45.74 A							4
5					48.57	46.09 A							5
6					48.48	47.00							6
7					48.37	46.11 A							7
8					48.29								8
9					48.27	46.66 A							9
10				47.11 A	48.22	46.63							10
11				47.92	48.11	46.66							11
12				47.74	48.01	46.20							12
13				47.62	47.93	45.61 A							13
14			46.92 A	47.83	47.96								14
15			46.40 A	48.23	47.99								15
16				48.55	47.72								16
17				48.66	47.55								17
18				48.94	47.79								18
19				48.83	47.62								19
20			46.97 A	48.63	47.49								20
21			47.91	48.63	47.24								21
22			48.07	48.83	46.90								22
23			48.16	49.13	46.64								23
24			48.11	49.36	46.34								24
25			48.38	50.24	46.09								25
26			48.35	50.74	45.78								26
27			48.26	50.30	45.46 A								27
28			48.17	49.93									28
29			48.08	49.84									29
30			48.03	49.66									30
31			47.90	49.32									31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-26-70	0640	50.82									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 01 36	121 49 16	NE35 14N 1E		53.3	3/ 1/40	JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED

Station located west of north end of weir, 5.0 mi. SE of Grimes. Gage heights below weir crest (elevation 45.45 ft.) are not tabulated.

A - Mean gage height for partial day of flow.
- Flood season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A02280	SACRAMENTO RIVER BELOW WILKINS SLOUGH

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	31.78	31.25	31.50	46.80	48.79	43.64	35.14	31.44	28.71	NR	28.88	29.09	1
2	31.77	31.21	NR	46.27	48.63	46.09	34.83	31.42	28.71	NR	28.73	29.24	2
3	31.40	31.17	NR	45.85	48.51	46.15	34.20	31.42	28.82	NR	28.63	29.30	3
4	30.96	31.16	NR	44.71	48.38	44.31	33.56	31.45	28.59	NR	28.55	29.05	4
5	30.82	31.14	NR	42.93	48.23	43.85	33.30	31.32	28.65	NR	28.49	29.02	5
6	30.72	31.66	NR	41.82	48.10	46.32	32.82	30.55	28.78	NR	28.50	29.03	6
7	30.66	32.55	NR	41.08	47.97	45.27	32.49	30.38	29.11	NR	28.56	28.93	7
8	30.61	32.74	31.54	40.67	47.86	43.81	32.26	30.52	29.57	29.81	28.59	29.03	8
9	30.58	32.61	31.61	40.78	47.82	45.88	31.84	30.74	29.69	29.42	28.68	29.10	9
10	30.37	32.34	31.58	44.95	47.76	45.98	31.52	31.08	29.79	29.33	28.63	29.32	10
11	30.54	32.12	31.29	47.33	47.64	46.05	31.12	31.35	30.01	29.30	28.64	29.64	11
12	30.57	31.06	31.06	47.12	47.49	45.57	30.91	31.44	30.31	29.71	28.69	29.92	12
13	30.61	29.86	35.28	47.00	47.40	44.66	31.08	31.46	30.26	30.01	28.42	29.97	13
14	30.59	29.48	45.50	47.28	47.42	43.67	31.25	31.52	30.07	30.21	28.39	30.05	14
15	30.67	30.90	45.20	47.82	47.49	42.63	31.16	30.97	30.02	30.24	28.19	30.10	15
16	31.00	31.40	42.67	48.23	47.17	41.93	31.02	30.32	30.00	30.16	28.22	30.24	16
17	31.75	31.47	40.35	48.36	46.96	41.01	30.74	29.89	29.95	30.10	28.07	30.48	17
18	32.49	NR	38.82	48.70	47.24	40.13	30.46	29.58	29.81	30.16	28.11	30.56	18
19	32.16	NR	38.33	48.62	47.07	39.67	30.20	29.48	29.85	30.16	28.17	30.59	19
20	31.79	NR	43.11	48.44	46.92	39.27	29.93	29.39	29.73	30.17	28.23	30.71	20
21	31.67	31.55	47.20	48.41	46.74	38.67	29.70	29.20	29.68	30.16	28.41	30.73	21
22	31.54	31.55	47.42	48.69	46.45	38.17	NR	29.16	29.77	30.06	28.34	30.64	22
23	31.50	31.55	47.55	49.01	46.16	37.79	NR	29.14	29.72	30.05	28.26	30.49	23
24	31.48	31.51	47.51	49.23	45.85	37.52	NR	29.02	29.49	30.05	28.44	30.38	24
25	31.44	31.50	47.85	50.11	45.58	37.22	NR	28.97	29.35	30.09	28.47	30.27	25
26	31.41	31.50	47.83	50.61	45.27	36.99	NR	29.27	29.27	30.17	28.47	30.23	26
27	31.38	31.50	47.73	50.16	44.56	36.75	NR	29.12	29.32	29.87	28.48	30.35	27
28	31.38	31.50	47.62	49.77	43.93	36.42	NR	29.10	29.36	29.67	28.66	30.44	28
29	31.33	31.50	47.54	49.69		36.09	31.44	29.12	29.74	29.57	28.78	30.47	29
30	31.31	31.50	47.46	49.50		35.85	31.47	29.04	29.99	29.41	28.93	30.40	30
31	31.27		47.30	49.13		35.51		28.82		29.01	29.06		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-25-69	1930	47.93									
1-26-70	0645	50.72									

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 00 35	121 49 25	NE2 13N 1E	28900 27300	51.41 50.72	2/27/48 1/26/70	APR 31-OCT 38 ö JAN 39-DATE	AUG 31-DATE	1931		0.00	USED

Station located 0.3 mi. below Wilkins Slough Pumping Plant of Reclamation District 108, 1.3 mi. below Tisdale Weir, 6 mi. SE of Grimes. Maximum discharge of record listed is for period 1938 to date. Records furnished by USGS.

ö - Irrigation season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A02976	COLUSA BASIN DRAIN AT HIGHWAY 20

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	38.53	38.51	37.86	39.64	47.00	39.72	38.88	42.10	40.21	42.70	41.02	42.62	1
2	38.53	38.54	37.82	39.37	45.30	39.56	38.77	41.42	39.81	42.62	41.26	42.54	2
3	38.52	38.72	37.85	39.17	44.09	39.18	38.88	41.32	39.21	41.92	41.42	42.59	3
4	38.52	38.74	37.86	39.02	43.10	39.42	38.99	41.80	39.04	41.63	41.12	42.70	4
5	38.52	38.86	37.81	38.87	42.23	41.71	39.20	42.55	39.36	41.28	40.83	42.69	5
6	38.52	39.65	37.76	38.74	41.61	40.81	39.57	43.50	39.23	40.85	40.87	42.60	6
7	38.52	39.94	37.81	38.66	41.07	39.76	39.63	44.13	39.49	40.57	41.16	42.69	7
8	38.51	39.78	37.89	38.76	40.64	40.20	38.45	44.75	39.81	40.43	41.26	42.99	8
9	38.18	39.61	37.90	42.69	40.52	42.00	38.91	45.16	40.93	40.47	41.35	43.33	9
10	38.06	39.45	37.92	48.62	40.95	41.15	38.29	45.39	41.79	40.56	41.51	43.54	10
11	38.08	39.68	38.18	48.98	40.64	40.88	38.55	45.09	42.19	40.64	41.30	43.44	11
12	37.91	39.61	38.68	48.96	40.47	39.93	39.01	44.72	41.95	40.65	41.27	43.37	12
13	37.91	39.27	38.76	48.89	43.01	39.54	38.78	44.66	41.52	40.75	41.42	43.02	13
14	37.94	38.80	38.76	49.22	47.43	39.29	38.54	44.26	41.19	40.54	41.56	42.59	14
15	38.42	38.43	38.67	49.99	46.46	39.10	38.77	43.79	41.47	40.41	41.70	42.11	15
16	39.07	38.20	38.77	50.42	45.17	38.95	38.56	42.73	41.32	40.23	41.79	41.52	16
17	38.70	38.15	38.64	50.70	44.49	39.01	39.04	41.76	41.05	40.37	41.94	41.16	17
18	38.36	38.09	38.58	50.58	43.12	38.83	39.43	41.29	40.73	40.72	41.93	41.01	18
19	38.41	38.04	40.10	50.33 E	41.69	38.72	39.44	41.66	40.61	40.78	41.87	40.67	19
20	38.48	38.05	44.25	50.22 E	40.83	38.66	39.08	41.96	40.40	41.02	41.85	40.53	20
21	38.52	37.99	45.63	50.22 E	40.40	38.59	38.87	42.37	40.51	40.87	41.98	40.36	21
22	38.66	37.91	44.90	50.16 E	40.11	38.51	38.86	42.43	40.27	40.83	42.20	39.85	22
23	38.48	37.92	43.56	49.99	39.88	38.43	39.12	42.17	39.96	40.91	42.26	39.50	23
24	38.29	37.98	47.18	50.11	39.76	38.36	39.38	41.87	40.07	40.96	42.50	39.31	24
25	38.25	37.98	47.72	50.27	39.59	38.24	39.84	41.36	40.08	40.90	42.58	38.99	25
26	38.29	38.03	46.74	50.17	39.44	38.10	40.73	40.35	40.05	40.88	42.74	38.84	26
27	38.54	37.94	44.54	50.15	39.34	38.07	41.22	39.72	40.14	40.93	42.79	38.91	27
28	38.59	37.98	42.44	50.06	39.29	38.04	41.66	40.02	40.83	40.94	42.83	38.72	28
29	38.37	37.83	40.94	49.88		38.07	42.62	40.24	42.65	40.97	42.69	38.63	29
30	38.39	37.84	40.25	49.31		38.59	42.55	40.58	42.71	40.88	42.52	38.65	30
31	38.50		39.79	48.45		38.35		40.31		40.95	42.48		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-24-69	1915	48.03									
1-17-70	0830	50.88									

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 11 44	122 03 34	NE34 16N 2W		51.93	2/21/58	JUN 24-DEC 40 8	JUN 24-DEC 40 8		1957	37.09	USED
			5120	50.96	2/18/69	MAY 41-DATE	MAY 41-DATE	1957		0.00	USED

Station located at State Highway 20 Bridge, 3.0 mi. W of Colusa.

8 - Irrigation season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A02945	COLUSA BASIN DRAIN AT KNIGHTS LANDING

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	24.51	23.50	23.49	26.56	32.93	26.29	24.52	24.50	24.51	24.51	24.51	24.51	1
2	24.51	23.50	23.49	26.34	32.43	26.32	24.51	24.50	24.51	24.51	24.50	24.51	2
3	24.49	23.50	23.49	26.21	31.92	26.16	24.51	24.51	24.51	24.51	24.52	24.50	3
4	24.52	23.50	23.49	26.15	31.39	26.14	24.50	24.52	24.50	24.51	24.51	24.51	4
5	24.50	23.49	23.49	26.09	30.83	26.66	24.51	24.52	24.51	24.51	24.50	24.51	5
6	24.51	23.50	23.50	26.03	30.26	26.85	24.51	24.52	24.51	24.50	24.51	24.51	6
7	24.50	23.50	23.50	25.95	29.63	26.54	24.51	24.52	24.52	24.50	24.51	24.51	7
8	24.51	23.50	23.50	25.94	28.89	26.34	24.50	24.52	24.52	24.51	24.52	24.52	8
9	24.50	23.50	23.49	26.31	28.15	26.51	24.52	24.52	24.51	24.52	24.51	24.50	9
10	24.51	23.49	23.50	28.28	27.67	26.77	24.51	24.51	24.51	24.50	24.51	24.51	10
11	24.51	23.49	23.20	28.86	27.38	26.63	24.52	24.52	24.52	24.51	24.51	24.51	11
12	24.51	23.50	22.42	29.12	27.11	26.47	24.51	24.51	24.50	24.51	24.51	24.50	12
13	24.51	23.49	22.10	29.24	27.16	26.24	24.51	24.51	24.51	24.51	24.52	24.51	13
14	24.50	23.51	23.07	29.55	28.13	26.12	24.51	24.51	24.52	24.51	24.50	24.51	14
15	24.29	23.50	23.92	30.12	28.45	26.03	24.50	24.51	24.51	24.50	24.51	24.52	15
16	24.04	23.50	24.60	30.95	28.46	25.92	24.50	24.51	24.50	24.51	24.51	24.50	16
17	23.77	23.50	25.27	32.05	28.38	25.89	24.51	24.51	24.50	24.51	24.50	24.50	17
18	23.49	23.51	25.75	32.71	28.19	25.81	24.51	24.51	24.50	24.51	24.51	24.51	18
19	23.51	23.50	25.87	32.89	27.71	25.79	24.51	24.51	24.50	24.51	24.51	24.50	19
20	23.50	23.49	26.71	32.97	27.16	25.78	24.51	24.51	24.51	24.51	24.51	24.51	20
21	23.50	23.49	27.95	32.97	26.80	25.82	24.51	24.50	24.51	24.50	24.51	24.50	21
22	23.50	23.50	28.22	33.59	26.58	25.78	24.51	24.52	24.51	24.50	24.51	24.50	22
23	23.50	23.50	28.09	33.85	26.42	25.70	24.51	24.50	24.51	24.50	24.51	24.50	23
24	23.50	23.50	28.19	34.15	26.31	25.43	24.50	24.50	24.51	24.51	24.51	24.51	24
25	23.49	23.50	28.68	34.66	26.21	25.20	24.51	24.52	24.51	24.50	24.51	24.50	25
26	23.50	23.50	29.14	34.58	26.13	24.87	24.52	24.50	24.52	24.50	24.51	24.51	26
27	23.51	23.50	29.15	34.20	26.10	24.52	24.51	24.51	24.51	24.51	24.51	24.51	27
28	23.49	23.49	28.73	34.10	26.06	24.19	24.51	24.51	24.51	24.50	24.52	24.51	28
29	23.50	23.49	27.91	33.85		23.84	24.52	24.51	24.52	24.50	24.51	24.51	29
30	23.50	23.50	27.21	33.72		23.78	24.51	24.51	24.50	24.51	24.51	24.51	30
31	23.50		26.82	33.41		24.29		24.51		24.52	24.51		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-27-69	0345	29.25									
1-25-70	2145	34.79									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 47 58	121 43 27	SW14 11N 2E		36.8	2/10/42	MAY 24-OCT 39 8 JAN 40-DATE	MAY 24-OCT 39 8 JAN 40-DATE	1924		0.00	USED

Station located at Knights Landing Outfall Gates, 0.3 mi. W of Knights Landing. Tributary to Sacramento River. Flow regulated by outfall gates. An undetermined amount of flow is diverted to Yolo Bypass via Ridge Cut at Knights Landing. For total flow to Sacramento River, combine with the flows of Reclamation District 787 to Colusa Basin Drain.

8 - Irrigation season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A02200	SACRAMENTO RIVER AT KNIGHTS LANDING

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	19.75	19.08	19.28	36.28	38.87	31.39	22.49	19.64	17.07	18.30	17.16	18.74	1
2	19.58	19.05	19.27	35.89	38.50	33.12	22.30	19.44	16.85	18.28	17.21	18.94	2
3	19.34	19.01	19.31	35.28	38.26	34.51	21.80	19.35	16.49	18.08	17.19	19.09	3
4	18.96	19.04	19.35	34.05	38.06	34.02	21.15	19.43	16.36	17.91	17.24	19.09	4
5	18.76	19.11	19.34	32.24	37.80	33.46	20.87	19.64	16.44	17.92	17.23	19.10	5
6	18.62	19.28	19.31	30.27	37.62	34.27	20.60	19.43	16.69	17.83	17.22	19.07	6
7	18.54	20.19	19.28	28.62	37.46	34.15	20.19	19.27	16.62	17.52	17.35	19.05	7
8	18.55	20.60	19.30	27.84	37.26	33.39	19.95	19.42	16.93	17.19	17.47	19.15	8
9	18.47	20.60	19.44	27.53	37.10	34.10	19.49	19.48	17.32	16.99	17.58	19.49	9
10	18.38	20.34	19.54	29.42	36.97	34.66	19.33	19.84	17.67	16.96	17.65	19.90	10
11	18.38	20.11	19.61	32.26	36.84	34.91	18.91	20.32	18.07	16.94	17.65	20.23	11
12	18.44	19.73	19.70	33.63	36.70	34.87	18.69	20.62	18.48	17.14	17.65	20.47	12
13	18.55	18.85	20.82	35.19	36.60	34.42	18.69	20.72	18.36	17.59	17.52	20.57	13
14	18.59	18.06	28.45	36.39	36.58	33.44	18.82	20.75	18.15	17.71	17.59	20.42	14
15	18.66	18.46	30.25	37.49	36.69	32.34	18.71	20.47	18.13	17.80	17.61	20.30	15
16	19.00	19.14	29.07	38.22	36.59	31.37	18.52	19.80	18.00	17.70	17.60	20.15	16
17	19.60	19.31	27.49	39.04	36.39	30.27	18.36	19.09	17.93	17.56	17.62	20.16	17
18	20.09	19.35	26.11	39.45	36.43	29.14	18.00	18.58	17.79	17.62	17.58	19.85	18
19	19.99	19.39	25.45	40.09	36.38	28.36	17.80	18.13	17.63	17.77	17.61	20.03	19
20	19.66	19.45	27.34	39.15	36.22	27.82	17.42	18.17	17.55	17.76	17.61	20.05	20
21	19.53	19.47	31.45	39.04	35.99	26.69	17.18	18.00	17.50	17.82	17.75	20.02	21
22	19.41	19.41	32.60	39.75	35.67	25.85	17.06	17.89	17.54	17.84	17.89	19.63	22
23	19.35	19.38	33.77	39.90	35.28	25.35	16.84	17.97	17.44	17.81	17.93	19.20	23
24	19.25	19.41	35.85	40.02	34.78	25.03	16.89	17.89	17.26	17.78	18.08	18.95	24
25	19.29	19.41	37.24	40.62	34.31	24.79	17.26	17.59	17.03	17.83	18.22	18.72	25
26	19.24	19.36	37.45	40.80	33.72	24.43	17.84	17.44	16.96	17.84	18.33	18.62	26
27	19.21	19.35	37.32	40.49	32.39	24.04	18.49	17.13	16.99	17.82	18.46	18.73	27
28	19.29	19.32	37.13	40.26	31.80	23.57	18.85	16.76	17.06	17.62	18.54	18.86	28
29	19.20	19.30	36.91	39.94		23.23	19.42	16.83	17.41	17.50	18.67	18.84	29
30	19.12	19.30	36.74	39.78		22.99	19.75	16.90	17.91	17.48	18.79	18.70	30
31	19.08		36.51	39.41		22.73		17.14		17.31	18.89		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-26-69	0715	37.48									
1-26-70	0500	40.86									

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 48 10	121 42 55	NE14 11N 2E		41.83	2/8/42	JUL 19-OCT 38 8 JAN 39-DATE	JUL 19-DATE	1921		0.00 -3.02	USED USCGS

Station located just above the Southern Pacific Railroad Bridge, 13.1 mi. above Feather River immediately NE of Knights Landing. Station affected by backwater from Feather River and Sutter Bypass during periods of high flow. Maximum discharge of record listed is for period 1940 to date. Records furnished by USGS.

8 - Irrigation season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A02972	BUTTE SLOUGH NEAR MERIDIAN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	40.52	40.62	40.87	51.29				41.89	41.89	42.43	42.10	42.21	1
2	40.53	40.59	40.87	50.25				42.05	42.03	42.40	42.33	42.49	2
3	40.29	40.58	40.85	49.31				42.19	41.39	42.55	42.50	42.57	3
4	40.04	40.63	40.86	48.61				42.28	41.23	42.36	42.56	42.41	4
5	39.99	40.74	40.83	48.00				42.35	41.11	42.04	42.64	42.42	5
6	39.96	41.21	40.84	47.46				42.34	41.05	41.98	42.55	42.51	6
7	39.91	41.75	40.86	47.03				42.32	40.98	42.16	42.44	42.60	7
8	39.85	41.90	40.92	46.81				42.60	40.92	41.73	42.46	42.52	8
9	39.82	41.80	41.01	46.96				42.50	41.27	41.47	42.58	42.52	9
10	39.73	41.60	40.98	47.64				42.21	41.89	41.56	42.68	42.74	10
11	39.84	41.41	40.83	51.68	N	N	N	42.65	42.55	41.94	42.39	42.35	11
12	39.85	40.74	40.80	52.65	O	O	O	42.81	42.49	42.27	42.25	42.50	12
13	39.87	40.25	42.84	52.14				42.70	41.83	42.31	42.17	42.21	13
14	39.85	40.09	45.95	52.18				42.71	41.53	42.35	42.24	41.53	14
15	39.97	40.51	46.73	53.66	R	R	R	42.51	41.73	42.39	42.43	41.42	15
16	40.28	40.71	46.61	55.58	E	E	E	42.27	42.45	42.39	42.55	41.24	16
17	40.96	40.76	46.30	56.53	C	C	C	41.08	42.53	42.26	42.35	41.09	17
18	41.44	40.75	45.98	57.44	O	O	O	42.04	42.77	42.23	42.18	41.14	18
19	41.15	40.77	45.87	57.71	R	R	R	41.85	41.96	42.29	42.09	41.20	19
20	40.91	40.83	46.76	57.21	D	D	D	41.90	42.07	42.64	42.22	41.14	20
21	40.78	40.83	50.45	56.71				42.65	41.97	42.64	42.40	40.94	21
22	40.70	40.82	53.10	57.17				42.53	41.99	42.33	42.43	40.63	22
23	40.66	40.81	53.85	58.01				42.23	41.92	42.17	42.25	40.36	23
24	40.66	40.75	53.89	59.16				42.08	41.97	42.14	42.11	40.02	24
25	40.69	40.79	54.24	NR				41.86	41.93	42.31	42.48	39.89	25
26	40.69	40.81	54.40	NR			41.71	41.58	41.86	42.42	42.46	39.87	26
27	40.70	40.83	54.13	NR			41.93	41.92	42.02	42.56	42.45	39.94	27
28	40.68	40.85	53.64	NR			42.17	42.01	42.01	42.49	42.49	39.99	28
29	40.60	40.89	53.10	NR			42.29	41.92	42.37	42.32	42.30	39.96	29
30	40.61	40.90	52.66	NR			42.02	41.72	42.85	42.13	42.37	39.88	30
31	40.62		52.16	NR				41.29		42.00	42.24		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 10 05	121 53 28	NE7 15N 1E				JAN 39-DATE	NOV 34-MAY 37 # OCT 37-DATE	1934		0.00	USED

Station located on right bank 0.5 mi. upstream from Farmland Road, 1.7 mi. NE of Meridian. Tributary to Sutter Bypass. Flow affected by gate operation. Flow during summer months is made up almost entirely of return water from land irrigated by Feather River diversions. During flood periods, Sacramento River water enters Butte Basin above Butte City from bank spill and spill over Moulton and Colusa Weirs.

- Flood season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A05935	SUTTER BYPASS AT LONG BRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	37.16	37.27	37.15	44.63	52.39	40.16	39.42	40.62	40.31	40.60	40.99	40.61	1
2	37.15	37.21	37.15	43.63	51.80	40.07	39.58	40.65	40.50	40.80	41.12	40.76	2
3	37.15	37.17	37.15	42.79	51.33	40.53	39.36	40.72	40.13	40.88	41.20	40.84	3
4	37.15	37.13	37.15	42.04	50.82	40.90	39.03	40.76	40.10	40.81	41.16	40.76	4
5	37.15	37.13	37.14	41.35	50.21	41.17	38.76	40.80	40.15	40.63	41.21	40.76	5
6	37.15	37.13	37.14	40.72	49.65	41.35	38.68	40.81	40.13	40.58	41.17	40.82	6
7	37.15	37.13	37.14	40.17	49.07	41.58	38.71	40.78	40.09	40.78	41.11	40.85	7
8	37.15	37.27	37.14	39.83	48.48	41.65	38.66	40.88	40.02	40.49	41.12	40.81	8
9	37.15	37.39	37.14	39.92	48.05	41.52	38.48	40.86	40.26	40.25	41.17	40.80	9
10	37.15	37.39	37.14	40.30	47.73	41.43	38.29	40.72	40.62	40.28	41.11	40.82	10
11	37.14	37.37	37.14	44.23	47.32	41.30	38.69	40.89	40.83	40.70	40.96	40.53	11
12	37.14	37.33	37.14	46.16	46.74	41.20	38.99	40.87	40.77	40.90	40.85	40.60	12
13	37.14	37.26	37.43	45.58	46.29	41.05	39.56	40.72	40.44	40.86	40.79	40.48	13
14	37.14	37.16	38.31	45.49	46.06	40.84	39.61	40.67	40.26	40.88	40.88	39.85	14
15	37.14	37.15	38.83	47.05	46.27	40.66	39.59	40.59	40.41	40.93	41.08	38.75	15
16	37.14	37.15	38.84	49.18	45.81	40.40	39.54	40.48	40.84	41.00	41.15	37.53	16
17	37.14	37.15	38.77	50.20	44.90	40.20	39.26	40.37	40.88	41.00	41.05	37.36	17
18	37.14	37.15	38.63	51.14	44.76	39.90	39.10	40.36	40.97	40.97	40.93	37.17	18
19	37.14	37.15	38.57	51.52	44.71	39.60	39.19	40.22	40.63	41.00	40.86	37.17	19
20	37.14	37.15	38.80	51.03	43.99	39.37	39.20	40.28	40.68	41.17	40.93	37.17	20
21	37.14	37.15	41.41	50.51	43.27	39.17	39.61	40.79	40.63	41.11	41.03	37.17	21
22	37.14	37.15	46.29	50.89	42.56	38.97	40.01	40.75	40.62	40.94	41.03	37.16	22
23	37.14	37.15	47.43	51.82	41.97	38.81	39.89	40.62	40.57	40.88	40.93	37.16	23
24	37.14	37.15	47.59	53.06	41.50	38.63	39.96	40.47	40.61	40.94	40.80	37.16	24
25	37.14	37.15	47.87	55.12	41.10	38.49	40.08	40.39	40.60	41.10	41.03	37.15	25
26	37.14	37.15	48.14	55.80	40.79	38.41	40.18	40.28	40.53	41.17	41.02	37.15	26
27	37.14	37.15	47.87	55.10	40.51	38.61	40.28	40.49	40.63	41.22	41.00	37.15	27
28	37.14	37.15	47.34	54.45	40.24	39.23	40.56	40.48	40.64	41.15	40.96	37.15	28
29	37.30	37.15	46.70	54.39		39.15	40.81	40.38	40.81	40.99	40.69	37.15	29
30	37.40	37.15	46.16	53.98		39.08	40.69	40.28	40.92	40.96	40.71	37.15	30
31	37.33		45.60	53.17		38.97		39.92		40.91	40.64		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-26-69	0600	48.20									
1-26-70	0430	56.00									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 08 46	121 50 31	SE15 15N 1E		57.7	3/ 1/40		14-DATE			0.00	USED

Station located on west levee, 0.2 mi. N of State Highway 20, 3.9 mi. E of Meridian. Gage heights below 39.0 ft. are not indicative of flow in channel.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A05929	WADSWORTH CANAL NEAR SUTTER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	40.22	39.80	38.89	42.14	49.85	41.81	39.50	40.18	39.50	40.23	39.56	39.98	1
2	40.05	39.48	38.51	41.15	49.18	41.14	40.00	39.93	39.39	40.12	39.44	40.30	2
3	39.89	38.94	38.46	39.94	48.67	40.36	40.37	39.92	39.32	40.05	39.45	40.56	3
4	39.93	38.89	38.41	39.18	48.12	40.72	40.46	39.94	39.21	40.09	39.43	40.64	4
5	39.95	39.17	38.19	39.00	47.43	41.09	40.08	39.79	39.55	40.18	39.66	40.47	5
6	39.95	39.19	38.06	38.98	46.25	40.47	40.05	40.32	39.38	39.92	39.64	40.54	6
7	39.99	39.14	38.05	38.92	46.10	40.28	40.13	40.80	39.37	39.85	39.93	40.67	7
8	40.03	39.06	38.10	38.91	45.44	40.63	40.25	40.86	39.82	39.73	40.15	40.70	8
9	39.89	39.06	38.20	40.91	44.96	40.34	40.74	41.12	40.32	39.87	40.65	40.95	9
10	39.90	39.07	38.43	42.03	44.62	40.86	40.28	41.00	40.52	40.07	40.34	40.86	10
11	40.03	39.10	38.49	41.36	44.20	40.37	39.86	40.91	40.47	39.93	39.98	40.58	11
12	39.76	38.99	38.43	43.55	43.72	40.17	39.44	40.82	40.28	40.05	39.91	40.89	12
13	39.90	38.94	38.58	43.33	43.47	40.05	39.38	40.76	40.14	40.01	39.60	41.33	13
14	40.22	38.97	38.47	45.59	43.47	39.96	39.50	40.79	39.78	39.78	40.26	41.27	14
15	40.44	39.83	38.54	45.72	43.27	39.86	39.52	40.56	39.93	39.52	40.32	40.95	15
16	40.50	39.82	38.51	47.90	43.00	39.59	40.07	40.42	39.70	39.63	40.19	40.85	16
17	40.54	38.59	38.61	48.27	42.45	39.62	39.97	40.21	39.72	39.85	40.03	40.67	17
18	40.56	38.66	38.55	48.83	41.99	39.58	39.74	40.46	39.96	39.71	39.72	40.31	18
19	40.44	38.61	39.06	49.20	42.05	39.52	40.27	40.50	40.09	39.93	39.67	40.29	19
20	40.48	38.57	40.49	48.83	41.56	39.47	40.40	40.81	39.60	39.92	40.05	40.35	20
21	40.46	38.49	40.87	49.28	40.74	39.41	40.22	40.80	39.50	40.05	40.02	40.60	21
22	40.38	38.46	42.80	49.15	40.07	39.39	40.17	40.38	39.45	39.86	39.90	40.68	22
23	40.24	38.42	44.69	49.74	39.76	39.24	40.35	40.29	39.42	39.85	40.00	40.68	23
24	40.08	38.47	45.65	50.96	39.69	39.26	40.19	40.26	39.05	39.68	40.17	40.49	24
25	40.05	38.43	45.31	52.74	39.64	39.24	39.94	40.05	39.43	39.84	39.90	40.38	25
26	40.06	38.39	45.41	53.46	39.61	39.11	40.44	39.71	39.70	39.85	40.01	40.12	26
27	40.11	38.37	45.10	52.81	39.61	39.14	40.80	39.87	39.56	39.78	40.18	40.22	27
28	40.12	38.39	44.56	52.12	39.57	39.32	41.26	39.79	39.87	39.66	40.26	40.30	28
29	40.04	38.40	43.97	51.96		39.56	40.79	39.57	40.70	39.75	40.21	40.32	29
30	40.00	38.40	43.41	51.55		39.94	40.37	39.68	40.31	39.68	40.58	40.18	30
31	39.96		42.87	50.69		39.68		39.64		39.60	40.34		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-26-70	0700	53.62									

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 09 12	121 44 00	NE15 15N 2E		53.62	1/26/70	MAR 61-DATE	MAR 61-DATE	1961		0.00	USED

Station located at South Butte Road Bridge, 0.9 mi. E of Sutter. Tributary to Sutter Bypass. This station and one 2.2 mi. downstream are used to determine the slope for rating of canal. Records for January 1939 to March 1961 previously published as Wadsworth Canal at Butte House Road.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1969	A05920	SUTTER BYPASS AT STATE PUMPING PLANT NO. 2

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	28.61	27.81	28.26	33.56 E	41.50	38.85	31.39	30.08	31.36	28.93	28.69	28.37	1
2	28.62	27.87	28.16	32.97 E	40.30	39.55	31.10	29.85	31.04	28.67	28.87	28.45	2
3	28.56	28.10	28.03	32.48	39.05	39.92	30.91	29.77	30.55	28.64	28.95	28.57	3
4	28.43	28.28	28.11	31.74	37.80	39.40	30.87	29.78	30.00	28.79	28.81	28.54	4
5	28.39	28.33	28.12	30.83	36.75	38.55	31.09	29.17	29.70	28.77	28.58	28.27	5
6	28.37	28.35	28.18	29.60	36.50	37.60	31.21	29.28	29.72	28.66	28.37	28.07	6
7	28.38	28.32	28.21	28.56	37.15	36.43	31.73	29.17	29.60	28.82	28.75	28.01	7
8	28.47	28.17	28.19	27.69	37.95	35.08	32.08	29.75	29.65	28.80	28.88	27.92	8
9	28.47	28.05	28.09	27.10	38.00	34.35	32.16	30.03	29.79	28.60	28.85	27.87	9
10	28.44	27.93	28.03	26.81	37.60	34.05	32.08	29.93	29.66	28.44	28.85	27.66	10
11	28.54	27.84	28.19	26.75	38.15	33.75 E	31.94	29.73	29.68	28.60	28.90	27.37	11
12	28.70	27.75	28.80	27.11	39.00	33.26 E	31.69	30.23	29.61	28.65	28.91	27.68	12
13	28.78	27.86	29.14	32.50	40.25	32.96	31.46	30.52	29.57	28.75	28.96	27.90	13
14	28.71	28.10	29.93	36.10	41.80	32.70	31.24	30.82	29.47	28.77	28.66	27.99	14
15	28.08	28.34	28.97	41.10	42.55	32.47	30.93	31.12	29.50	28.50	28.55	28.17	15
16	28.19	28.43	32.20	43.00	42.90	32.25	30.30	31.68	29.56	28.52	28.57	28.53	16
17	28.20	28.43	31.75	41.25	43.45	32.00	29.66	32.03	29.38	28.80	28.75	28.27	17
18	28.26	28.49	32.80	39.75	43.40	31.73	29.14	32.34	29.57	28.73	28.90	27.99	18
19	28.22	28.26	32.50	38.40	42.75	31.44	28.67	32.50	29.64	28.74	28.72	28.00	19
20	28.16	28.28	32.10	38.25	42.05	31.15	28.42	32.57	29.26	28.78	28.68	27.88	20
21	28.11	28.49	30.92 E	39.90	41.45	31.07	28.07	32.60	29.22	29.00	28.71	27.80	21
22	28.10	28.44	29.76 E	42.50	41.00	31.05	28.33	32.57	29.55	28.79	28.70	27.76	22
23	28.03	28.28	28.60	44.50	40.45	31.24	29.00	32.54	29.27	28.81	28.64	27.73	23
24	28.13	28.14	27.08	45.25	39.80	31.31	29.37	32.55	28.85	28.94	28.73	27.79	24
25	28.24	28.00	28.50	44.90	39.55	31.12	29.74	32.50	28.90	28.72	28.67	27.80	25
26	28.29	28.02	31.60	44.30	39.60	30.70	29.88	32.39	28.92	28.72	28.66	27.70	26
27	28.32	28.16	33.88	44.10	39.48	30.23	29.68	32.36	28.74	29.25	28.69	27.55	27
28	28.37	28.25	35.20	44.15	38.95	29.75	29.41	32.29	28.75	29.39	28.79	27.43	28
29	28.44	28.32	35.02 E	43.95		29.67	29.42	32.11	28.85	29.15	28.74	27.44	29
30	28.27	28.31	34.85	43.38		30.65	29.91	31.85	28.97	29.05	28.74	27.34	30
31	28.02		34.15	42.58		31.32		31.61		29.09	28.40		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 01 34	121 43 32	SW26 14N 2E				MAY 67-DATE					

Station located on east side of levee at west end of O'Bannion Road, 9.8 mi. SW of Yuba City.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A05920	SUTTER BYPASS AT STATE PUMPING PLANT NO. 2

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	27.28	28.20	28.08	37.50 E	45.75 E	32.50 E	29.26	28.87	28.45	28.70	28.51	28.58	1
2	27.55	28.16	28.15	36.20 E	45.10 E	33.10 E	27.80	28.82	28.48	28.60	28.63	28.66	2
3	27.52	28.04	28.14	35.10 E	44.50 E	34.00 E	28.02	28.80	28.58	28.78	28.67	28.76	3
4	27.54	27.95	28.12	34.40 E	43.90 E	33.40 E	28.23	28.96	28.51	28.85	28.72	28.58	4
5	27.44	28.05	28.10	33.50 E	43.30 E	33.15 E	28.17	28.61	28.52	28.78	28.64	28.47	5
6	27.40	28.15	28.06	32.90 E	42.70 E	33.80 E	28.32	28.55	28.63	28.63	28.70	28.47	6
7	27.73	28.15	28.02	32.60 E	42.00 E	33.80 E	28.70	28.87	28.72	28.56	28.78	28.59	7
8	28.01	28.11	28.01	32.40 E	41.30 E	33.30 E	28.89	28.97	28.78	28.64	28.79	28.60	8
9	28.05	28.06	27.95	32.40 E	40.75 E	33.35 E	28.97	28.95	28.61	28.62	28.74	28.32	9
10	27.95	27.97	27.98	32.80 E	40.30 E	34.00 E	28.81	28.78	28.63	28.39	28.79	28.35	10
11	27.92	27.97	28.12	34.60 E	39.80 E	33.95 E	28.75	28.78	28.70	28.51	28.68	28.58	11
12	27.95	27.96	28.16	37.50 E	39.35 E	33.80 E	28.68	28.81	28.92	28.48	28.63	28.35	12
13	27.89	27.98	28.05	37.90 E	38.75 E	33.30 E	28.45	28.78	28.72	28.55	28.65	28.20	13
14	27.90	27.99	27.71	38.00 E	38.30 E	33.00 E	28.44	28.78	28.53	28.59	28.75	27.43	14
15	28.10	28.06	30.16	38.90 E	38.35 E	32.80 E	28.72	28.66	28.55	28.47	28.82	27.24	15
16	28.40	28.11	30.63	41.80 E	38.30 E	32.60 E	28.89	28.80	28.70	28.39	28.75	27.43	16
17	28.48	28.20	30.15	43.65 E	37.45 E	32.40 E	28.84	28.81	28.66	28.66	28.73	28.06	17
18	28.55	28.23	28.48	44.60 E	37.00 E	32.30 E	28.71	28.82	28.95	28.84	28.49	28.18	18
19	28.66	28.12	29.06	45.20 E	37.00 E	32.20 E	28.74	28.93	28.92	28.84	28.37	28.11	19
20	28.65	28.05	30.02	44.80 E	36.75 E	32.05 E	28.92	28.71	28.77	28.87	28.52	28.03	20
21	28.42	28.00	34.10 E	44.20 E	36.25 E	31.79	28.90	28.73	28.74	28.85	28.80	27.68	21
22	28.30	27.99	35.80 E	44.65 E	35.60 E	31.40	28.77	28.79	28.73	28.96	28.89	27.31	22
23	28.33	28.00	38.40 E	45.65 E	34.90 E	30.85	28.85	28.68	28.68	28.82	28.52	27.04	23
24	28.30	28.05	39.70 E	46.25 E	34.25 E	30.15	29.08	28.66	28.57	28.63	28.33	26.87	24
25	28.15	28.05	40.00 E	47.90 E	33.75 E	29.39	29.04	28.67	28.50	28.44	28.57	26.61	25
26	27.98	28.05	40.70 E	49.10 E	33.20 E	28.78	29.05	28.30	28.66	28.52	28.61	26.57	26
27	27.90	28.05	40.45 E	48.45 E	32.80 E	28.36	29.07	28.22	28.72	28.70	28.54	26.66	27
28	27.97	28.07	39.80 E	47.80 E	32.60 E	28.05	29.00	28.60	28.80	28.76	28.62	27.01	28
29	28.10	28.06	39.40 E	47.60 E		27.86	29.30	28.57	28.89	28.68	28.70	27.39	29
30	28.14	28.05	38.60 E	47.40 E		27.94	29.04	28.50	28.70	28.63	28.76	27.61	30
31	28.19		38.20 E	46.75 E		29.39		28.42		28.55	28.70		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 01 34	121 43 32	SW26 14N 2E				MAY 67-DATE					

Station located on east side of levee at west end of O'Bannion Road, 9.8 mi. SW of Yuba City.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A02927	SUTTER BYPASS AT RECLAMATION DISTRICT 1500 PUMPING PLANT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	16.04	15.38	15.47	33.86	37.32	28.11	18.24	16.02	14.56	14.67	14.28	16.39	1
2	15.75	15.32	15.51	33.11	36.82	29.37	17.88	15.89	13.93	14.67	14.31	16.60	2
3	15.54	15.31	15.58	32.20	36.51	31.09	17.40	15.79	13.31	14.40	14.45	16.79	3
4	15.26	15.31	15.63	31.05	36.21	31.16	16.95	15.90	13.44	14.33	14.62	16.87	4
5	15.11	15.45	15.59	29.66	35.90	30.86	16.64	16.19	13.69	14.36	14.72	16.90	5
6	14.99	15.59	15.57	28.19	35.68	30.85	16.40	16.12	13.77	14.29	14.78	16.84	6
7	14.88	16.26	15.53	26.51	35.44	30.88	16.05	16.03	13.57	13.89	14.86	16.77	7
8	14.89	16.64	15.71	24.92	35.13	30.62	15.88	15.98	13.75	13.58	14.96	16.96	8
9	14.86	16.68	15.88	23.68	34.90	31.02	15.68	15.67	14.28	13.47	15.10	17.53	9
10	14.80	16.48	15.97	24.04	34.74	31.57	15.52	16.02	14.65	13.50	15.30	17.74	10
11	14.74	16.28	16.13	26.55	34.55	31.99	15.32	16.53	15.16	13.47	15.36	18.02	11
12	14.82	15.98	16.38	29.38	34.36	31.98	15.08	17.15	15.31	13.63	15.34	18.30	12
13	14.89	15.41	17.03	31.98	34.21	31.54	14.97	17.34	15.31	13.94	15.30	18.50	13
14	14.97	14.82	21.62	33.98	34.29	30.75	15.04	17.39	15.03	14.01	15.28	18.14	14
15	14.96	14.96	24.05	35.65	34.43	29.74	14.78	17.34	14.81	14.06	15.41	18.00	15
16	15.31	15.40	24.02	36.65	34.26	28.91	14.74	16.82	14.62	13.95	15.46	17.79	16
17	15.71	15.58	23.05	37.84	34.09	28.06	14.70	16.40	14.58	13.79	15.44	17.64	17
18	16.01	15.67	21.86	38.24	34.10	27.05	14.44	15.99	14.56	13.86	15.44	17.55	18
19	16.03	15.70	21.16	38.10	33.90	26.06	14.13	15.36	14.57	14.05	15.37	17.45	19
20	15.81	15.78	21.90	37.89	33.57	25.21	13.83	15.48	14.45	14.11	15.34	17.49	20
21	15.74	15.72	25.04	37.74	33.19	23.88	13.68	15.27	14.30	14.31	15.45	17.34	21
22	15.68	15.67	27.34	38.83	32.80	22.42	13.60	15.26	14.30	14.47	15.68	16.72	22
23	15.63	15.64	30.05	38.82	32.27	21.55	13.40	15.36	14.20	14.48	15.87	16.22	23
24	15.56	15.69	33.14	39.07	31.64	21.09	13.30	15.26	13.98	14.45	15.95	15.96	24
25	15.55	15.64	35.22	39.67	31.14	20.71	13.54	15.08	13.75	14.41	16.04	15.70	25
26	15.53	15.64	35.47	39.71	30.46	20.22	13.81	14.91	13.75	14.39	16.21	15.55	26
27	15.51	15.57	35.28	39.37	29.41	19.52	14.37	14.41	13.84	14.45	16.32	15.70	27
28	15.51	15.55	35.03	39.13	28.57	18.75	14.73	13.76	13.71	14.43	16.38	15.80	28
29	15.47	15.51	34.79	38.69		18.47	15.70	13.92	14.04	14.37	16.48	15.73	29
30	15.39	15.54	34.54	38.51		18.33	16.13	14.04	14.47	14.38	16.61	15.45	30
31	15.38		34.30	38.02		18.28		14.58		14.39	16.66		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-26-69	0600	35.50									
1-25-70	1845	39.81									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
							1915 - DATE			0.00	USED

Station located on west levee, 3.7 mi. SE of Knights Landing.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A02170	SACRAMENTO RIVER AT FREMONT WEIR, WEST END

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	17.61	16.94	17.08	34.55	37.16	29.20	20.03	17.43	15.37	15.98	15.33	17.14	1
2	17.37	16.89	17.09	34.05	36.77	30.97	19.65	17.27	14.94	15.96	15.41	17.38	2
3	17.15	16.86	17.18	33.32	36.54	32.49	19.24	17.18	14.45	15.77	15.44	17.54	3
4	16.81	16.89	17.19	32.21	36.30	32.28	18.68	17.26	14.45	15.63	15.55	17.57	4
5	16.64	16.99	17.18	30.36	36.04	31.90	18.40	17.48	14.67	15.63	15.62	17.59	5
6	16.52	17.17	17.14	28.12	35.88	32.25	18.17	17.36	14.87	15.55	15.65	17.56	6
7	16.45	17.92	17.11	26.19	35.69	32.17	17.78	17.23	14.72	15.26	15.77	17.53	7
8	16.45	18.30	17.25	25.23	35.46	31.71	17.57	17.22	14.94	14.96	15.87	17.61	8
9	16.40	18.28	17.41	24.74	35.29	32.29	17.22	17.04	15.29	14.79	15.98	18.03	9
10	16.33	18.06	17.48	26.14	35.18	32.86	17.07	17.33	15.57	14.78	16.07	18.43	10
11	16.31	17.84	17.59	29.11	35.03	33.20	16.75	17.88	16.04	14.76	16.08	18.68	11
12	16.37	17.48	17.74	30.96	34.87	33.16	16.52	18.35	16.35	14.92	16.10	18.92	12
13	16.48	16.79	18.66	33.15	34.75	32.69	16.48	18.48	16.22	15.29	16.09	19.05	13
14	16.53	16.13	24.72	34.62	34.82	32.20	16.59	18.52	16.04	15.40	16.06	18.86	14
15	16.55	16.47	26.71	35.87	34.95	30.68	16.42	18.35	15.99	15.47	16.11	18.75	15
16	16.90	16.99	25.98	36.66	34.81	29.68	16.28	17.81	15.84	15.40	16.14	18.60	16
17	17.38	17.17	24.67	37.58	34.67	28.51	16.15	17.23	15.77	15.28	16.15	18.56	17
18	17.77	17.22	23.42	37.91	34.71	27.30	15.84	16.75	15.67	15.32	16.11	18.49	18
19	17.69	17.25	22.77	37.78	34.59	26.35	15.60	16.19	15.54	15.47	16.11	18.44	19
20	17.41	17.32	24.15	37.61	34.37	25.50	15.26	16.23	15.47	15.46	16.10	18.48	20
21	17.28	17.29	27.87	37.49	34.13	24.77	15.04	16.04	15.40	15.58	16.22	18.41	21
22	17.22	17.23	29.46	38.33	33.87	24.10	14.92	15.95	15.43	15.70	16.40	17.87	22
23	17.18	17.21	31.05	38.35	33.46	23.45	14.74	16.02	15.34	15.69	16.47	17.41	23
24	17.10	17.26	33.96	38.51	32.89	22.80	14.72	15.93	15.18	15.67	16.60	17.18	24
25	17.11	17.21	35.53	39.02	32.40	22.31	15.01	15.71	14.98	15.69	16.73	16.96	25
26	17.08	17.20	35.73	39.04	31.71	21.85	15.42	15.56	14.92	15.71	16.87	16.81	26
27	17.06	17.16	35.59	38.76	30.56	21.46	16.00	15.22	14.94	15.73	17.01	16.94	27
28	17.10	17.13	35.40	38.59	29.58	21.10	16.33	14.72	15.94	15.58	17.08	17.03	28
29	17.03	17.11	35.21	38.23		20.77	17.11	14.77	15.24	15.51	17.18	17.02	29
30	16.96	17.11	35.03	38.09		20.48	17.49	14.87	15.72	15.54	17.29	16.80	30
31	16.94		34.85	37.71		20.22		15.38		15.44	17.37		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-15-69	1230	26.83	1-18-70	0330	37.94	3- 3-70	1845	32.62			
12-26-69	0530	35.76	1-25-70	2015	39.17	3-11-70	2400	33.29			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 45 34	121 39 59	NW 32 11N 3E		39.7	12-23-1955		AUG 1934-DATE	1934		0.00	USED

Station located 0.1 mile west of weir, 4.0 miles southeast of Knights Landing.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A02160	SACRAMENTO RIVER AT FREMONT WEIR, EAST END

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			NF	34.02	36.34								1
2			NF	33.66	36.03								2
3			NF	NF	35.84								3
4			NF	NF	35.69								4
5			NF	NF	35.43								5
6			NF	NF	35.30								6
7			NF	NF	35.13								7
8			NF	NF	34.88								8
9			NF	NF	34.70								9
10	N	N	NF	NF	34.60	N	N	N	N	N	N	N	10
11	O	O	NF	NF	34.46	O	O	O	O	O	O	O	11
12			NF	NF	34.33								12
13			NF	NF	34.20								13
14			NF	34.17	34.30								14
15	F	F	NF	35.29	34.40	F	F	F	F	F	F	F	15
16	L	L	NF	36.03	34.27	L	L	L	L	L	L	L	16
17			NF	36.94	34.15								17
18	O	O	NF	37.25	34.19	O	O	O	O	O	O	O	18
19			NF	37.13	34.05								19
20	W	W	NF	36.96	33.78	W	W	W	W	W	W	W	20
21			NF	36.84	33.56								21
22			NF	37.64	NF								22
23			NF	37.64	NF								23
24			34.08	37.87	NF								24
25			34.95	38.33	NF								25
26			35.13	38.28	NF								26
27			35.03	37.90	NF								27
28			34.83	37.71	NF								28
29			35.65	37.28									29
30			34.49	37.07									30
31			34.33	36.77									31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-26-69	0700	35.16	1-22-70	2000	37.94	2-15-70	0615	34.42			
1-18-70	1200	37.26	1-25-70	2015	38.40						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 45 55	121 38 05	SW 27 11N 3E		39.3	3-10-1940		APRIL 1935-DATE	1935		0.00	USED

Station located approximately 200 feet north of weir, 5.2 miles southeast of Knights Landing. Gage heights recorded only during periods when there is spill over weir.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A05191	FEATHER RIVER AT OROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.58	0.56	0.55	0.54	1.21	0.59	0.54	0.53	0.53	0.54	0.57	0.55	1
2	0.57	0.54	0.57	0.55	0.56	0.55	0.54	0.53	0.53	0.54	0.57	0.55	2
3	0.55	0.54	0.57	0.55	0.55	0.54	0.55	0.52	0.53	0.56	0.55	0.54	3
4	0.55	0.54	0.56	0.55	0.53	0.56	0.55	0.53	0.54	0.58	0.54	0.54	4
5	0.55	0.56	0.56	0.55	0.52	0.55	0.55	0.54	0.54	0.58	0.55	0.53	5
6	0.55	0.56	0.56	0.55	0.52	0.55	0.55	0.54	0.54	0.58	0.55	0.54	6
7	0.56	0.56	0.56	0.55	0.52	0.55	0.55	0.54	0.54	0.58	0.55	0.55	7
8	0.56	0.56	0.56	0.55	0.51	0.56	0.55	0.54	0.54	0.57	0.55	0.55	8
9	0.56	0.56	0.56	0.56	0.52	0.55	0.53	0.54	0.54	0.67	0.56	0.54	9
10	0.55	0.56	0.56	0.55	0.52	0.56	0.54	0.53	0.54	0.57	0.55	0.55	10
11	0.55	0.56	0.55	0.55	0.52	0.55	0.55	0.53	0.53	0.58	0.55	0.55	11
12	0.56	0.56	0.55	0.56	0.52	0.56	0.55	0.53	0.53	0.57	0.54	0.55	12
13	0.56	0.56	0.55	2.50	0.54	0.56	0.54	0.53	0.54	0.58	0.54	0.55	13
14	0.55	0.56	0.56	10.26	0.52	0.55	0.53	0.53	0.53	0.56	0.55	0.56	14
15	0.55	0.56	0.56	12.76	0.52	0.55	0.52	0.53	0.54	0.56	0.55	0.56	15
16	0.55	0.56	0.56	14.14	0.55	0.54	0.52	0.52	0.54	0.56	0.55	0.55	16
17	0.54	0.56	0.56	14.07	0.55	0.54	0.52	0.52	0.54	0.56	0.55	0.55	17
18	0.52	0.56	0.56	14.07	0.56	0.54	0.52	0.53	0.54	0.57	0.55	0.55	18
19	0.53	0.56	0.56	13.36	0.55	0.55	0.52	0.53	0.54	0.57	0.56	0.55	19
20	0.53	0.55	0.56	10.51	0.54	0.55	0.53	0.53	0.54	0.57	0.55	0.55	20
21	0.53	0.56	0.57	7.30	0.54	0.55	0.54	0.53	0.54	0.58	0.55	0.55	21
22	0.54	0.55	0.55	10.46	0.55	0.55	0.55	0.53	0.54	0.58	0.55	0.55	22
23	0.54	0.55	0.56	13.62	0.54	0.55	0.55	0.53	0.54	0.58	0.55	0.55	23
24	0.55	0.55	1.43	14.84	0.55	0.55	0.55	0.53	0.54	0.58	0.55	0.55	24
25	0.56	0.55	2.62	14.86	0.54	0.54	0.54	0.53	0.53	0.58	0.56	0.55	25
26	0.56	0.55	2.32	14.50	0.54	0.54	0.54	0.53	0.53	0.57	0.56	0.55	26
27	0.56	0.55	2.00	13.93	0.54	0.53	0.55	0.54	0.53	0.57	0.56	0.55	27
28	0.57	0.55	2.00	12.02	0.55	0.53	0.54	0.54	0.53	0.58	0.56	0.55	28
29	0.56	0.54	1.68	11.12		0.53	0.54	0.53	0.54	0.57	0.56	0.56	29
30	0.57	0.53	1.21	8.79		0.54	0.54	0.52	0.54	0.58	0.56	0.56	30
31	0.57		0.76	3.73		0.54		0.53		0.58	0 56		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-17-70	1615	14.39									
1-25-70	0945	15.33									

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 31 07	121 32 50	SE 8 19N 4E	230,000		3-19-1907	OCT 1901-DATE	OCT 1901-DATE	1912	1934	139.53	USCGS
								1934	1962	182.02	USCGS
								1962	1964	0.00	USCGS
								1964		148.97	USCGS

Station located 300 feet above Fish Barrier Dam, 0.6 mile northeast of Oroville. Flow partly regulated by reservoirs and powerplants. Maximum discharge listed at site then in use (approximately 167.5 feet USCGS Datum). Drainage area is 3,626 square miles.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A05165	FEATHER RIVER NEAR GRIDLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	25.93	25.93	26.09	31.03	32.81	29.29	26.50	25.89	25.67	25.81	26.27	27.04	1
2	25.91	25.90	26.18	30.71	31.59	30.35	26.49	25.90	25.68	25.80	26.35	27.02	2
3	25.92	25.94	26.16	30.27	30.16	30.34	26.46	25.89	25.77	25.79	26.48	27.04	3
4	25.90	25.97	26.16	29.76	29.15	30.38	26.43	25.90	25.94	25.78	26.69	27.04	4
5	25.90	26.00	26.16	28.47	28.97	30.36	26.43	25.91	26.02	25.78	26.73	27.03	5
6	25.92	26.00	26.15	26.50	28.90	30.35	26.40	25.92	25.92	25.77	26.79	27.03	6
7	25.92	25.97	26.28	26.45	28.85	30.35	26.37	25.88	25.86	25.76	26.79	27.03	7
8	25.92	25.96	26.38	26.42	28.82	30.36	26.35	25.75	25.87	25.76	26.78	27.02	8
9	25.92	25.93	26.42	26.45	28.80	30.44	26.34	25.76	25.86	25.75	26.78	27.02	9
10	25.91	25.96	26.50	27.32	28.76	30.60	26.34	25.74	25.84	25.77	26.81	27.02	10
11	25.89	25.97	26.84	29.13	28.80	30.60	26.33	25.74	25.82	25.77	26.89	27.03	11
12	26.00	25.97	27.09	29.76	28.92	30.85	26.34	25.79	25.80	25.77	26.90	27.03	12
13	25.92	25.97	27.32	31.41	29.10	30.25	26.31	25.77	25.80	25.77	26.89	27.03	13
14	25.86	25.97	27.44	37.88	29.69	30.00	26.26	25.74	25.81	25.78	26.92	27.02	14
15	25.91	25.96	27.45	40.57	30.15	30.05	26.24	25.76	25.82	25.77	26.97	27.01	15
16	25.90	26.16	27.46	41.85	30.23	29.24	26.23	25.75	25.82	25.78	26.93	27.02	16
17	25.89	26.20	27.45	42.42	30.47	28.80	26.20	25.71	25.82	25.79	26.93	27.05	17
18	25.86	26.22	27.44	42.26	30.43	28.86	26.10	25.76	25.82	25.80	26.93	27.09	18
19	25.84	26.22	27.47	41.96	30.41	28.64	26.02	25.76	25.82	25.77	26.93	27.08	19
20	25.87	26.21	27.48	40.47	30.40	27.02	26.02	25.73	25.81	25.79	26.93	27.08	20
21	25.91	26.21	27.49	37.26	30.42	26.50	26.03	25.71	25.81	25.79	26.93	27.08	21
22	25.92	26.20	27.35	38.64	30.40	26.36	26.02	25.72	25.81	25.80	26.92	27.08	22
23	25.93	26.20	27.08	40.77	30.41	26.25	26.02	25.69	25.83	25.78	26.92	27.09	23
24	25.94	26.21	29.43	41.93	30.35	26.11	25.97	25.70	25.83	25.80	26.93	27.07	24
25	25.92	26.17	32.96	42.36	30.04	26.03	25.91	25.73	25.83	25.78	26.97	27.07	25
26	25.92	26.08	32.92	42.61	28.80	26.03	25.90	25.74	25.83	25.78	27.03	27.10	26
27	25.93	26.07	32.85	42.52	28.77	26.13	25.89	25.70	25.83	25.82	27.06	27.04	27
28	25.94	26.08	32.82	41.26	28.78	26.22	25.89	25.68	25.83	25.94	27.05	26.92	28
29	25.94	26.06	32.84	39.88		26.31	25.89	25.66	25.83	26.05	27.06	26.72	29
30	25.95	26.05	32.77	38.60		26.39	25.88	25.66	25.83	26.10	27.06	26.53	30
31	25.93		32.03	34.95		26.49		25.67		26.15	27.05		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-25-69	0530	33.01	1-27-70	0145	42.81						
1-17-70	1045	42.57	2-16-70	2330	30.47						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 22 01	121 38 43	SW 33 18N 3E		102.25	12-23-1955	JAN 1944-DATE	MAR 29-MAY 37 #	1929		0.00	USED
							OCT 37-APR 39	1929		-2.91	USCGS
							NOV 39-JUL 40				
							OCT 40-JUL 43				
							OCT 43-DATE				

Station located near highway bridge, 2.7 miles east of Gridley. Subsequent to 1962, tabulations include all left bank overflow. Records of discharge published prior to 1963 listed only that water in the main channel. Drainage area is 3,676 square miles.

- Flood season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A05135	FEATHER RIVER AT YUBA CITY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	41.52	41.33	41.34	48.37	54.22	47.30	41.52	40.88	40.09	39.67	40.47	41.92	1
2	41.46	41.27	41.47	47.97	51.24	50.17	41.41	40.88	39.41	39.54	40.58	41.97	2
3	41.42	41.28	41.49	47.19	49.96	48.69	41.36	40.85	39.44	39.54	40.80	42.01	3
4	41.40	41.34	41.50	46.85	47.65	48.90	41.30	40.90	39.81	39.53	41.11	42.02	4
5	41.36	41.41	41.49	45.83	46.73	48.73	41.25	40.91	40.35	39.52	41.25	42.03	5
6	41.33	41.46	41.48	43.40	47.37	48.10	41.21	40.95	40.02	39.47	41.36	42.05	6
7	41.29	41.42	41.53	42.89	46.39	47.90	41.11	40.87	39.91	39.44	41.39	42.03	7
8	41.36	41.39	41.75	42.78	45.90	48.81	41.04	40.00	39.88	39.44	41.36	42.09	8
9	41.36	41.33	41.84	42.86	45.79	48.62	40.97	39.84	39.88	39.49	41.39	42.54	9
10	41.36	41.34	41.88	43.74	45.89	49.32	40.95	39.96	39.93	39.49	41.40	42.49	10
11	41.34	41.34	42.26	45.65	45.64	49.11	40.90	40.85	40.14	39.44	41.48	42.49	11
12	41.35	41.33	42.62	46.57	46.32	48.75	40.84	40.96	39.94	39.46	41.59	42.48	12
13	41.47	41.32	42.95	48.14	46.78	48.52	40.83	40.97	39.88	39.44	41.57	42.43	13
14	41.25	41.32	43.20	54.11	49.14	47.40	40.71	40.91	39.87	39.46	41.57	42.41	14
15	41.36	41.31	43.20	60.52	49.06	47.19	40.63	40.95	39.89	39.46	41.68	42.35	15
16	41.47	41.41	43.21	62.55	48.25	46.77	40.56	40.90	39.82	39.48	41.66	42.30	16
17	41.41	41.57	43.21	65.71	49.76	45.65	40.51	40.84	39.80	39.48	41.64	42.23	17
18	41.38	41.59	43.16	64.95	49.72	45.45	40.36	40.41	39.80	39.49	41.65	42.23	18
19	41.31	41.59	43.26	63.69	48.82	45.35	40.12	40.26	39.80	39.45	41.61	42.24	19
20	41.35	41.58	43.78	63.51	47.97	44.24	40.03	40.13	39.79	39.51	41.60	42.22	20
21	41.37	41.57	44.51	63.20	47.89	42.78	40.00	40.04	39.78	39.79	41.65	41.93	21
22	41.36	41.55	44.41	67.06	47.78	42.48	39.96	40.07	39.80	39.80	41.70	41.56	22
23	41.37	41.54	43.59	65.19	47.56	42.30	40.00	39.97	39.79	39.78	41.69	41.49	23
24	41.37	41.54	48.64	66.97	47.88	42.14	40.00	39.94	39.78	39.76	41.75	41.44	24
25	41.36	41.55	52.54	66.03	47.91	41.91	39.81	39.96	39.77	39.77	41.86	41.41	25
26	41.35	41.42	51.76	64.45	46.18	41.71	39.79	39.95	39.76	39.82	41.99	41.47	26
27	41.37	41.40	51.02	64.33	45.74	41.27	39.79	39.54	39.60	39.82	42.05	41.54	27
28	41.38	41.37	50.55	63.21	45.72	41.16	40.27	39.46	39.64	39.93	42.04	41.44	28
29	41.35	41.38	50.36	61.80		41.21	40.77	39.44	39.69	40.12	42.05	41.18	29
30	41.35	41.34	50.24	61.37		41.45	40.77	40.04	39.68	40.27	42.03	40.91	30
31	41.34		49.99	57.84		41.67		40.32		40.26	41.83		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-25-69	2130	52.76	1-24-70	1330	67.64						
1-17-70	1615	66.28	2-17-70	2215	50.60						

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 08 20	121 36 17	NE 23 15N 3E		82.42	12-24-1955	JUL 44-OCT 45 ô JAN 46-SEPT 63	NOV 1943-DATE	1943 1943		0.00 -3.0	USED USCGS

Station located at Sacramento Northern Railroad bridge. Backwater from Yuba River at times affects stage-discharge relationship. Drainage area is 3,977 square miles.

ô - Irrigation season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A06150	YUBA RIVER NEAR MARYSVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	60.50	60.31	60.34	60.48	66.59	66.20	61.50	63.24	62.22	59.67	61.10	61.69	1
2	60.47	60.35	60.34	60.44	65.26	65.74	61.23	63.17	60.17	59.47	61.11	61.94	2
3	60.46	60.37	60.46	60.40	66.18	64.78	61.20	63.18	60.64	59.44	61.12	62.03	3
4	60.42	60.42	60.46	60.37	64.76	65.71	61.17	63.20	61.17	59.45	61.12	62.04	4
5	60.44	60.55	60.37	60.35	64.65	64.94	61.14	63.16	62.01	59.43	61.13	62.06	5
6	60.42	60.74	60.36	60.34	65.80	64.05	61.09	63.17	60.77	59.40	61.12	62.08	6
7	60.39	60.55	60.37	60.33	64.27	64.20	60.98	62.84	60.94	59.39	61.12	62.09	7
8	60.41	60.51	60.37	60.34	63.69	65.55	60.90	60.94	60.84	59.41	61.12	62.37	8
9	60.42	60.47	60.43	60.50	63.78	64.78	60.81	60.85	60.12	59.44	61.13	63.27	9
10	60.41	60.42	60.44	61.24	63.98	65.90	60.62	61.58	61.25	59.41	61.12	63.19	10
11	60.52	60.43	60.70	60.85	63.71	65.27	60.48	63.33	61.70	59.39	61.11	63.15	11
12	60.62	60.42	60.58	60.93	64.64	65.11	60.36	63.42	61.10	59.38	61.11	63.03	12
13	60.65	60.40	60.70	62.78	65.20	65.21	60.25	63.43	61.07	59.34	61.12	62.97	13
14	60.66	60.38	60.50	67.16	65.67	64.50	60.15	63.48	61.06	59.33	61.13	62.91	14
15	60.78	60.38	60.38	66.07	64.92	64.41	60.11	63.46	61.05	59.28	61.13	62.89	15
16	60.93	60.37	60.37	68.96	64.73	64.14	60.06	63.44	61.03	59.32	61.13	62.79	16
17	60.81	60.36	60.07	74.09	66.59	64.22	60.02	63.43	61.03	59.33	61.12	62.64	17
18	60.64	60.37	59.82	70.89	66.10	63.89	59.98	62.43	60.92	59.31	61.11	62.52	18
19	NR	60.39	60.01	68.78	65.22	64.03	59.94	62.28	60.69	59.32	61.12	62.50	19
20	NR	60.39	61.07	69.80	63.92	64.10	59.90	61.99	60.69	59.76	61.07	62.54	20
21	NR	60.37	61.86	75.74	64.17	64.08	59.86	61.95	60.69	61.04	61.57	61.26	21
22	NR	60.36	60.79	82.60	63.91	63.94	59.84	61.92	60.69	61.10	61.61	59.59	22
23	NR	60.34	60.98	75.09	63.82	64.03	59.74	61.82	60.69	61.10	61.64	59.35	23
24	NR	60.34	66.80	79.16	64.48	63.99	59.75	61.81	60.67	61.08	61.72	59.13	24
25	NR	60.40	64.97	73.96	64.20	63.83	59.77	61.78	60.67	61.07	61.99	59.16	25
26	NR	60.39	63.24	69.98	64.20	63.22	59.83	61.65	60.41	61.11	62.03	59.13	26
27	NR	60.40	62.10	70.58	64.18	61.48	59.88	60.42	59.72	61.12	62.06	60.09	27
28	60.46	60.36	61.54	68.10	64.20	61.30	62.32	60.20	59.66	61.12	62.00	60.37	28
29	60.41	60.34	61.14	69.27		61.32	63.09	60.07	59.68	61.12	61.97	60.38	29
30	60.41	60.35	60.84	69.70		62.31	63.15	62.30	59.72	61.13	61.98	60.78	30
31	60.38		60.61	67.56		62.51		62.78		61.11	60.92		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-14-70	1800	69.42	1-22-70	0300	84.46	1-25-70	0300	77.53			
1-17-70	1330	75.66	1-24-70	0800	81.73	1-27-70	1600	72.61			

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 10 35	121 31 25		180,000	90.15	12-22-1964	JUL 39-DEC 44 ö APR 45-DATE	MAY 1940-DATE	1939 1939		0.00 -2.95	USED USCGS

Station located 5 miles below Dry Creek, 4.2 miles northeast of Marysville. Maximum discharge listed for period 1943 to date. Records furnished by U. S. Geological Survey. Drainage area is 1,339 square miles.

ö - Irrigation season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A05120	FEATHER RIVER BELOW SHANGHAI BEND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	34.56	34.34	34.41	42.45	50.34	42.27	36.08	36.03	35.08	33.79	34.87	36.46	1
2	34.46	34.28	34.53	41.94	47.21	45.65	35.72	36.05	33.79	33.67	34.98	36.72	2
3	34.45	34.28	34.55	41.00	45.80	44.23	35.66	35.93	33.64	33.60	35.18	36.77	3
4	34.45	34.34	34.58	40.63	43.61	44.30	35.58	36.01	34.25	33.59	35.41	36.80	4
5	34.41	34.41	34.62	39.46	42.36	44.14	35.50	35.99	35.16	33.58	35.63	36.83	5
6	34.37	34.49	34.62	36.43	42.75	43.49	35.44	36.01	34.29	33.53	35.76	36.86	6
7	34.38	34.47	34.63	35.79	41.99	43.16	35.30	36.01	34.27	33.49	35.80	36.86	7
8	34.37	34.44	34.84	35.71	41.29	44.18	35.24	34.82	34.23	33.47	35.80	36.89	8
9	34.37	34.37	34.94	35.84	41.13	44.15	35.16	34.25	34.06	33.52	35.80	37.61	9
10	34.35	34.35	34.99	36.96	41.27	44.68	35.11	34.48	34.25	33.56	35.83	37.62	10
11	34.33	34.38	35.31	38.87	40.90	44.69	35.06	35.90	34.79	33.47	35.89	37.59	11
12	34.35	34.37	35.68	40.02	41.49	44.27	34.97	36.06	34.36	33.49	36.02	37.58	12
13	34.49	34.37	36.06	41.78	41.96	44.08	34.94	36.12	34.27	33.49	36.04	37.49	13
14	34.26	34.36	36.34	47.92	44.15	42.91	34.83	36.07	34.26	33.48	36.04	37.48	14
15	34.29	34.36	36.35	54.49	44.54	42.63	34.73	36.09	34.27	33.49	36.14	37.44	15
16	34.52	34.45	36.36	56.71	43.59	42.28	34.67	36.05	34.20	33.51	36.15	37.34	16
17	34.46	34.62	36.43	59.83	44.93	40.95	34.65	35.98	34.17	33.53	36.13	37.25	17
18	34.42	34.64	36.37	59.28	45.27	40.77	34.53	35.49	34.16	33.53	36.12	37.18	18
19	34.35	34.64	36.52	58.03	44.33	40.52	34.30	35.05	34.15	33.51	36.12	37.18	19
20	34.38	34.64	37.23	57.90	43.34	39.66	34.22	35.02	34.13	33.53	36.11	37.18	20
21	34.40	34.63	38.20	58.02	43.15	38.06	34.20	34.82	34.11	34.21	36.24	36.83	21
22	34.39	34.63	38.22	61.95	43.09	37.75	34.16	34.83	34.12	34.31	36.37	35.90	22
23	34.39	34.62	37.29	59.80	43.00	37.57	34.14	34.74	34.11	34.33	36.37	35.77	23
24	34.39	34.61	42.63	61.26	43.12	37.46	34.16	34.68	34.06	34.29	36.40	35.73	24
25	34.36	34.63	47.23	60.19	43.31	37.18	34.05	34.67	34.06	34.30	36.58	35.69	25
26	34.36	34.51	46.76	58.57	41.72	36.81	33.99	34.64	34.07	34.33	36.69	35.80	26
27	34.37	34.46	45.66	58.33	40.99	35.61	34.02	34.04	33.77	34.38	36.76	36.04	27
28	34.39	34.43	45.04	57.59	40.96	35.41	34.83	33.71	33.69	34.43	36.79	36.03	28
29	34.37	34.44	44.74	56.38		35.49	35.95	33.68	33.75	34.59	36.77	35.78	29
30	34.36	34.42	44.53	56.13		36.12	35.91	34.60	33.76	34.72	36.78	35.35	30
31	34.36		44.28	53.50		36.47		35.24		34.76	36.51		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-21-69	2130	39.10	1-17-70	1800	60.48	2-18-70	0030	45.96			
12-25-69	0015	47.23	1-22-70	1200	62.55	3- 2-70	1030	45.96			

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 04 44	121 36 08	NE 11 14N 3E		76.8	12-24-1955	JUN 44-OCT 45 ö JAN 46-DATE	NOV 26-MAY 37 # OCT 37-MAY 39 NOV 39-JUL 41 NOV 41-JUL 43 # OCT 43-DATE	1926 1926		0.00 -3.01	USED USCGS

Station located approximately 4 miles south of Yuba City. Flow partly regulated by reservoirs and powerplants. Drainage area is 5,337 square miles.

ö - Irrigation season only.
- Flood season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A06550	BEAR RIVER NEAR WHEATLAND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.44	0.35	1.07	2.50	3.66	3.28	1.92	0.05	4.76	4.60	4.57	4.63	1
2	0.43	0.33	1.07	2.33	NR	4.00	1.80	0.07	4.70	4.60	4.57	4.63	2
3	0.42	0.29	1.07	2.31	NR	3.26	1.80	0.10	4.67	4.58	4.51	4.58	3
4	0.38	0.32	1.07	2.31	NR	3.13	1.88	0.07	4.66	4.58	4.51	4.62	4
5	0.37	0.40	1.07	2.27	2.90	3.16	1.80	0.02	4.69	4.57	4.52	4.63	5
6	0.38	0.56	1.07	2.20	2.83	2.85	1.65	0.06	4.67	4.54	4.53	4.64	6
7	0.37	1.63	1.07	2.14	2.67	2.79	1.51	0.10	4.67	4.58	4.58	4.63	7
8	0.38	1.94	1.07	2.12	2.68	3.80	1.51	0.12	4.67	4.60	4.61	4.65	8
9	0.39	1.94	0.85	2.38	2.66	3.86	1.42	0.16	4.67	4.60	4.62	4.60	9
10	0.40	1.55	0.61	3.50	2.52	3.80	1.42	0.18	4.67	4.59	4.59	4.56	10
11	0.42	0.82	1.02	3.62	2.47	3.62	1.47	0.12	4.67	4.58	4.54	4.55	11
12	0.40	1.61	1.08	3.38	2.56	3.41	1.25	0.07	4.65	4.57	4.59	4.57	12
13	0.41	1.32	1.14	3.54	2.98	3.32	1.36	0.07	4.67	4.60	4.61	4.61	13
14	0.41	0.88	1.14	6.80	4.34	3.25	1.02	0.06	4.62	4.56	4.64	4.61	14
15	0.54	0.65	1.13	7.66	3.48	3.19	0.84	0.09	4.60	4.60	4.59	4.59	15
16	0.65	0.64	1.13	7.59	3.08	3.14	1.02	0.08	4.57	4.59	4.58	4.59	16
17	0.62	0.64	1.13	8.30	4.39	3.07	0.98	0.08	4.55	4.64	4.61	4.56	17
18	0.62	0.65	1.14	6.86	3.98	3.00	0.83	0.25	4.60	4.60	4.59	4.56	18
19	0.60	0.66	1.16	5.28	3.38	2.93	0.72	0.45	4.62	4.60	4.57	4.57	19
20	0.59	0.63	1.61	5.75	3.13	2.90	0.59	0.42	4.59	4.57	4.58	4.56	20
21	0.59	0.70	2.04	9.94	2.95	2.91	0.36	0.48	4.64	4.57	4.61	4.55	21
22	0.59	0.68	2.01	11.41	2.77	2.85	0.87	0.60	4.60	4.54	4.65	4.54	22
23	0.58	0.68	2.16	7.95	2.63	2.80	0.80	0.63	4.57	4.50	4.66	4.54	23
24	0.58	0.73	6.09	7.36	2.65	2.79	NR	0.55	4.54	4.51	4.63	4.55	24
25	0.54	0.85	7.33	6.56	2.57	2.71	NR	0.45	4.54	4.52	4.63	4.53	25
26	0.60	0.95	5.08	5.42	2.55	2.54	NR	0.28	4.55	4.50	4.64	4.52	26
27	0.58	1.06	3.76	6.22	2.51	2.26	NR	0.27	4.58	4.51	4.65	4.52	27
28	0.58	1.07	3.16	6.26	2.40	2.23	NR	4.96	4.57	4.57	4.64	4.53	28
29	0.56	1.07	2.91	5.12		2.06	NR	4.99	4.59	4.55	4.67	4.56	29
30	0.38	1.07	2.70	4.41		2.11	NR	4.92	4.60	4.58	4.66	4.54	30
31	0.33		2.54	4.00		2.16		4.76		4.57	4.66		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-24-69	1900	9.10	1-16-70	2200	9.03	1-24-70	1500	7.46			
1-14-70	2100	9.06	1-22-70	0200	13.96						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 00 00	121 24 20	SW 3 13N 5E	33,000	19.30	12-22-1955	OCT 1928-DATE	OCT 1928-DATE	1928	1943	81.50	USCGS
								1943	1970	76.92	USCGS
								1970		71.92	USCGS

Station located 100 feet below U.S. Highway 99E bridge, 1 mile southeast of Wheatland. Tributary to Feather River. Flow regulated by New Camp Far West Reservoir. Records furnished by U.S. Geological Survey. Drainage area is 292 square miles.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A05103	FEATHER RIVER AT NICOLAUS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	23.40	23.08	23.14	35.42	41.66	31.16	24.36	23.76	23.16	21.89	22.79	24.22	1
2	23.24	23.04	23.22	34.52	40.17	35.08	23.94	23.77	22.16	21.86	22.93	24.63	2
3	23.18	23.00	23.28	33.53	39.28	34.65	23.87	23.65	NR	21.81	23.10	24.65	3
4	23.14	23.05	23.27	32.47	38.11	34.32	23.81	23.74	NR	21.80	23.28	24.68	4
5	23.10	23.13	23.25	30.86	37.26	34.29	23.73	23.71	NR	21.80	23.52	24.72	5
6	23.07	23.20	23.23	28.07	37.11	33.77	23.65	23.74	NR	21.76	23.63	24.74	6
7	23.07	23.25	23.22	25.97	36.61	33.41	23.50	23.79	NR	21.71	23.71	24.76	7
8	23.06	23.41	23.41	25.27	36.04	34.06	23.42	22.91	NR	21.72	23.70	24.75	8
9	23.05	23.35	23.53	25.10	35.77	34.78	23.34	22.33	NR	21.72	23.71	25.09	9
10	23.06	23.31	23.52	26.21	35.63	34.92	23.29	22.38	NR	21.73	23.75	25.54	10
11	23.02	23.13	23.74	28.86	35.33	35.23	23.26	23.42	NR	21.74	23.78	25.51	11
12	23.02	23.19	24.16	31.02	35.32	34.84	23.14	23.83	NR	21.73	23.88	25.49	12
13	23.15	23.21	24.52	33.45	35.34	34.50	23.07	23.93	NR	21.73	23.93	NR	13
14	23.02	23.11	25.05	37.39	36.27	33.47	23.02	23.89	NR	21.72	23.93	NR	14
15	23.05	23.07	25.79	41.90	36.61	32.61	22.79	23.91	NR	21.69	24.03	NR	15
16	23.22	23.08	25.70	43.17	36.03	32.05	22.80	23.87	NR	21.71	24.06	25.11	16
17	23.24	23.29	25.36	44.94	36.35	30.65	22.75	23.81	NR	21.74	24.05	25.24	17
18	23.18	23.33	25.04	45.01	36.71	30.01	22.62	23.48	NR	21.76	24.02	25.13	18
19	23.13	23.33	25.04	44.38	36.04	29.50	22.46	22.95	NR	21.74	24.01	25.13	19
20	23.13	23.32	25.56	44.21	35.36	28.95	22.35	23.03	NR	21.74	24.00	25.14	20
21	23.14	23.33	27.31	44.21	34.90	26.98	22.31	22.86	NR	22.17	24.02	25.01	21
22	23.16	23.30	28.83	46.40	34.58	26.44	22.27	22.88	NR	22.37	24.19	23.96	22
23	23.15	23.28	29.76	45.57	34.15	26.12	22.28	22.83	NR	22.37	24.26	23.75	23
24	23.15	23.27	34.23	46.05	33.74	26.02	22.23	22.78	NR	22.33	24.32	23.73	24
25	23.15	23.30	38.98	46.39	33.66	25.76	22.14	22.76	NR	22.33	24.46	23.69	25
26	23.14	23.25	38.98	45.98	32.44	25.46	22.09	22.72	NR	22.34	24.60	23.74	26
27	23.13	23.20	38.11	45.59	31.19	24.39	22.10	22.38	NR	22.38	24.69	23.96	27
28	23.16	23.17	37.43	45.38	30.60	24.01	22.41	22.10	NR	22.38	24.71	23.98	28
29	23.13	23.18	36.98	44.55		23.96	23.64	22.06	NR	22.52	24.68	23.88	29
30	23.11	23.15	36.64	44.31		24.32	23.66	22.41	NR	22.64	24.68	23.37	30
31	23.11		36.32	43.26		24.72		23.19		22.70	24.58		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-25-69	2300	39.28	1-22-70	1500	46.81	2-18-70	0330	36.97			
1-17-70	2130	45.34	1-25-70	1130	46.51	3-10-70	1930	35.35			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 54 00	121 35 00	SE 12 12N 3E	357,000	51.60	12-23-1955	JUN 21-OCT 28 ö JAN 39-DATE	1920-DATE	1920 1920		0.00 -3.30	USED USCGS

Station located at State Highway 99 bridge, 2.9 miles below Bear River, 0.5 mile southwest of Nicolaus. Backwater at times affects the stage-discharge relationship. Flow partly regulated by reservoirs and powerplants. Maximum discharge of record is for period 1943 to date. Records furnished by U. S. Geological Survey. Drainage area is approximately 5,921 square miles (revised).

ö - Irrigation season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A02150	SACRAMENTO RIVER AT VERONA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	15.39	14.74	14.81	37.82	36.52	26.93	17.51	15.16	NR	NR	NR	15.12	1
2	15.08	14.70	14.81	32.07	35.99	28.80	17.11	15.04	NR	NR	NR	15.40	2
3	14.79	14.66	14.89	31.15	35.65	30.37	16.73	14.94	NR	NR	NR	15.57	3
4	14.52	14.67	14.93	29.94	35.26	30.38	16.29	15.04	NR	NR	NR	15.64	4
5	14.33	14.78	14.91	28.20	34.86	30.13	16.00	15.29	NR	NR	NR	15.66	5
6	14.24	14.90	14.89	25.75	34.65	30.11	15.80	15.24	NR	NR	NR	15.63	6
7	14.24	15.40	14.86	23.56	34.37	30.06	15.44	15.11	NR	NR	NR	15.62	7
8	14.14	15.85	15.01	22.48	34.02	29.86	15.19	14.95	NR	NR	NR	15.70	8
9	14.15	15.98	15.19	21.87	33.77	30.36	14.93	14.50	NR	NR	NR	16.19	9
10	14.32	15.83	15.29	22.90	33.61	30.86	14.77	14.75	NR	NR	NR	16.59	10
11	14.35	15.61	15.42	25.71	33.39	31.25	14.53	15.42	NR	NR	NR	16.80	11
12	14.37	15.36	15.66	28.10	33.22	31.22	14.28	16.10	NR	NR	NR	17.05	12
13	14.72	14.84	16.27	30.81	33.10	30.77	14.17	16.26	NR	NR	NR	17.16	13
14	15.10	14.25	20.76	33.12	33.32	29.90	14.24	16.30	NR	NR	14.13	16.97	14
15	15.38	14.26	23.05	35.04	33.51	28.79	13.99	16.25	NR	NR	14.24	16.86	15
16	15.35	14.67	22.77	36.02	33.27	27.78	13.90	15.84	NR	NR	14.29	16.69	16
17	15.11	14.88	21.78	37.32	33.15	26.56	13.81	15.34	NR	NR	14.29	16.62	17
18	15.04	14.99	20.68	37.72	33.25	25.41	13.53	14.90	NR	NR	14.24	16.52	18
19	14.99	15.03	20.07	37.55	33.00	24.51	13.19	14.19	NR	NR	14.22	16.47	19
20	14.95	15.07	20.89	37.28	32.63	23.86	12.86	14.19	NR	NR	14.20	16.50	20
21	14.89	15.08	24.11	37.16	32.25	22.31	12.68	14.08	NR	NR	14.29	16.41	21
22	14.89	15.02	26.10	38.35	31.88	21.18	12.49	NR	NR	NR	14.51	15.75	22
23	14.88	14.99	27.91	38.33	31.37	20.49	12.25	NR	NR	NR	14.58	15.24	23
24	14.87	15.01	31.74	38.39	30.76	20.12	12.11	NR	NR	NR	14.68	15.03	24
25	NR	15.00	34.34	38.81	30.30	19.78	12.28	NR	NR	NR	14.80	14.80	25
26	NR	14.97	34.57	39.15	29.51	19.34	12.24	NR	NR	NR	14.96	14.65	26
27	14.83	14.92	34.36	38.68	28.25	18.58	13.15	NR	NR	NR	15.10	14.79	27
28	14.87	14.89	34.08	38.47	27.24	17.86	13.54	NR	NR	NR	15.19	14.91	28
29	14.86	14.85	33.81	37.94		17.60	14.68	NR	NR	NR	15.28	14.89	29
30	14.77	14.86	33.53	37.74		17.54	15.16	NR	NR	NR	15.38	14.60	30
31	14.74		33.29	37.24		17.62		NR		NR	15.43		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-26-69	0430	34.62	1-26-70	1100	39.21						
1-18-70	0300	37.75	3-11-70	2330	31.32						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 46 50	121 36 10	SE 23 11N 3E	79,200	41.20	3-1-1940	MAY 26-OCT 28 ö MAY 29-DATE	MAY 1926-DATE	1926 1926		-0.06 -3.00	USED USCGS

Station located 0.8 mile southeast of Verona, 1.0 mile below the Feather River. Records furnished by U. S. Geological Survey. Drainage area is 21,275 square miles.

ö - Irrigation season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A02100	SACRAMENTO RIVER AT SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	5.49	5.22	4.67	20.45	23.55	15.46	6.31	4.15	3.48	4.06	4.26	5.07	1
2	5.20	5.16	4.60	19.48	23.60	16.47	6.11	4.12	3.69	4.19	4.18	5.16	2
3	4.66	5.15	4.75	18.44	23.32	17.93	5.92	4.17	3.64	4.21	4.24	5.26	3
4	4.55	5.23	4.89	17.65	22.80	18.37	5.62	4.46	3.69	4.20	4.37	5.40	4
5	4.60	5.54	4.90	16.57	22.43	18.32	5.34	4.79	4.15	4.31	4.23	5.16	5
6	4.54	5.54	4.99	14.85	22.21	18.06	5.39	4.77	4.07	4.19	4.13	5.11	6
7	4,55	5.86	5.15	12.90	22.02	18.01	5.19	4.54	3.69	3.96	4.14	5.17	7
8	4.72	6.22	5.42	11.91	21.67	17.91	4.83	4.60	3.64	3.85	4.05	5.35	8
9	4.72	6.31	5.58	11.65	21.38	18.19	4.70	4.40	3.33	3.75	4.10	5.58	9
10	4.66	6.26	5.82	11.83	20.98	18.58	4.63	4.44	3.37	3.54	4.30	5.89	10
11	4.46	6.15	5.88	13.56	20.65	18.97	4.36	4.44	3.43	3.58	4.51	6.08	11
12	5.02	6.00	5.97	15.47	20.46	19.04	4.06	4.71	3.45	3.65	4.76	6.56	12
13	5.35	5.66	5.97	17.79	20.40	18.73	4.58	4.70	3.57	3.85	4.78	6.63	13
14	5.41	5.31	7.98	20.53	20.42	18.08	4.17	4.66	3.68	4.19	4.88	6.31	14
15	5.47	5.30	10.23	22.30	20.60	17.09	3.64	4.72	3.61	4.57	5.00	6.19	15
16	5.77	5.44	10.36	24.27	20.46	16.17	3.71	4.60	3.82	4.44	4.95	6.10	16
17	5.80	5.16	9.74	27.23	20.32	15.10	3.68	4.57	3.94	4.21	4.93	6.02	17
18	5.86	4.96	8.99	28.09	20.38	13.67	3.56	4.56	3.90	4.31	4.87	6.04	18
19	5.75	4.82	8.86	27.97	20.21	12.48	3.35	4.26	3.90	4.33	4.80	6.13	19
20	5.58	4.86	9.36	26.59	19.92	11.76	3.06	4.12	4.12	4.35	4.72	6.06	20
21	5.56	5.02	11.36	25.82	19.53	10.63	3.24	4.13	4.17	4.33	4.69	5.90	21
22	5.68	5.12	12.89	27.02	19.20	9.40	3.09	4.16	4.10	4.24	4.72	5.48	22
23	5.72	5.06	14.66	28.01	18.79	8.79	3.01	4.09	4.29	4.24	4.60	5.14	23
24	5.64	5.04	18.37	28.15	18.25	8.40	3.06	4.11	3.85	4.29	4.37	5.00	24
25	5.61	5.03	21.51	27.94	18.05	8.13	3.44	4.51	3.50	4.23	4.42	4.81	25
26	5.61	5.02	22.17	26.90	17.71	7.86	3.76	4.30	3.55	4.27	4.52	4.70	26
27	5.65	5.02	22.37	26.39	16.69	7.19	3.84	3.94	3.70	4.44	4.86	4.82	27
28	5.54	4.94	22.21	25.69	15.83	6.71	3.44	3.24	3.76	4.49	5.17	4.93	28
29	5.46	4.88	21.87	24.68		6.47	3.76	3.05	3.71	4.41	5.35	5.00	29
30	5.34	4.77	21.03	24.32		6.35	4.11	2.98	3.83	4.43	5.43	4.92	30
31	5.28		20.74	23.92		6.35		3.27		4.41	5.28		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-27-69	0830	22.42	1-24-70	1415	28.24						
1-18-70	1715	28.18	3-12-70	0915	19.10						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 35 20	121 30 15	NW 35 9N 4E	104,000	30.14	11-21-1950	04- 05	JAN 04-JULY 05	1904	1956	0.12	USCGS
						JUN 21-NOV 21	20-DATE	1956		0.00	USCGS
						MAY 24-DEC 42 ö		1956		2.98	USED
						MAY 43-DATE			1965	-0.23	USCGS
								1965		0.00	USCGS

Station located 1,000 feet above I Street bridge, 0.5 mile below the American River. Below approximately 30,000 cfs the stage-discharge relationship is affected by tidal influence. Maximum discharge listed at site and datum then in use. Drainage area is 23,530 square miles.

ö - Irrigation season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A07175	AMERICAN RIVER AT FAIR OAKS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.54	2.38	1.17	3.51	4.39	3.56	1.03	0.23	0.35	1.43	7.72	7.71	1
2	1.56	2.38	1.15	2.68	4.34	3.50	1.03	0.23	0.35	1.74	7.71	7.72	2
3	1.53	2.38	1.16	2.58	3.74	3.47	1.00	0.23	0.35	1.73	7.71	7.71	3
4	1.52	2.38	1.16	3.12	3.64	3.49	0.65	0.22	0.61	NR	7.71	7.71	4
5	1.56	2.39	1.16	3.51	3.64	3.50	0.64	0.22	0.63	NR	7.71	7.72	5
6	1.57	2.40	1.16	3.58	3.64	3.47	0.64	0.22	0.47	1.73	7.71	7.71	6
7	1.52	2.39	1.16	3.57	3.68	3.47	0.64	0.22	0.39	1.73	7.71	7.72	7
8	1.53	2.39	1.15	3.54	3.63	3.47	0.64	0.23	0.37	1.73	7.71	7.72	8
9	1.53	2.37	1.15	3.55	3.38	3.46	0.65	0.23	0.37	1.72	7.71	7.72	9
10	1.59	2.32	1.15	3.54	2.93	3.51	0.65	0.22	0.37	NR	7.71	7.73	10
11	2.16	2.33	1.15	3.56	2.77	3.53	0.65	0.20	0.38	NR	7.71	7.73	11
12	2.37	2.33	1.13	3.59	2.76	3.51	0.67	0.21	0.39	NR	7.71	7.72	12
13	2.38	2.35	1.16	3.58	2.71	3.48	0.67	0.21	0.37	1.99	7.71	7.69	13
14	2.38	2.33	1.16	3.58	2.72	3.48	0.24	0.21	0.36	1.99	7.71	7.71	14
15	2.38	2.32	1.16	3.59	2.70	3.46	0.22	0.21	0.37	7.95	7.71	7.72	15
16	2.38	2.37	1.17	7.01	2.71	3.45	0.22	0.21	0.37	7.71	7.71	7.72	16
17	2.37	2.16	1.16	9.53	2.72	3.18	0.22	0.20	0.34	7.71	7.71	7.72	17
18	2.37	1.87	1.16	12.17	2.72	2.66	0.21	0.19	0.35	7.72	7.71	7.72	18
19	2.37	1.59	1.17	11.06	2.72	2.17	0.20	NR	0.38	7.72	7.71	7.71	19
20	2.37	1.26	1.17	8.24	2.73	2.03	0.22	0.34	0.40	7.72	7.71	7.72	20
21	2.37	1.17	1.17	7.21	2.72	1.62	0.26	0.38	0.80	7.72	7.73	7.75	21
22	2.38	1.15	1.66	9.54	2.72	1.45	0.25	0.38	0.80	7.72	7.38	7.77	22
23	2.38	1.16	2.91	11.23	2.73	1.45	0.24	0.39	1.08	7.72	7.33	7.76	23
24	2.38	1.17	3.96	11.90	2.73	1.13	0.26	0.38	1.06	7.72	6.10	7.77	24
25	2.38	1.16	4.40	10.72	3.49	1.22	0.82	0.37	1.04	7.72	6.09	7.77	25
26	2.38	1.16	4.66	8.26	3.53	1.31	0.86	0.37	1.04	7.72	6.18	7.77	26
27	2.38	1.17	4.96	7.56	3.53	1.03	0.54	0.37	1.07	7.72	7.67	7.77	27
28	2.38	1.17	4.96	6.26	3.55	1.00	0.24	0.36	1.41	7.72	7.69	7.77	28
29	2.38	1.17	4.40	5.21		1.01	0.23	0.35	1.43	7.72	7.70	7.78	29
30	2.38	1.18	3.70	4.47		1.01	0.23	0.35	1.44	7.71	7.70	7.79	30
31	2.38		3.73	4.38		1.03		0.35		7.72	7.71		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-19-70	1110	12.82									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 38 08	121 13 36	NE 17 9N 7E	180000	31.85	11-21-1950	NOV 1904-DATE	NOV 1904-DATE	1904	1930	65.79	USCGS
								1930	1957	64.79	USCGS
								1957	1970	77.53	USCGS
								1970		71.53	USCGS

Station located 2.100 feet below Nimbus Dam, 2.4 miles east of Fair Oaks. Flow regulated by Folsom Lake. Maximum discharge listed at site and datum then in use. Records furnished by USGS. Drainage area is 1,888 square miles.

DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A07140	AMERICAN RIVER AT SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	18.52	19.32 E	18.23	24.52	27.54	21.43	18.22	17.60	17.56	18.49	18.75	18.74	1
2	18.52	19.32 E	18.22	23.33	27.56	21.73	18.22	17.60	17.57	18.72	18.75	18.74	2
3	18.51	19.32 E	18.23	22.36	27.14	22.51	18.21	17.60	17.57	18.74	18.74	18.73	3
4	18.49	19.32 E	18.23	22.02	26.60	22.86	17.99	17.60	17.80	18.73	18.74	18.74	4
5	18.51	19.32 E	18.23	21.71	26.26	22.84	17.93	17.59	17.87	18.63	18.74	18.75	5
6	18.51	19.33	18.23	21.15	26.05	22.62	17.92	17.60	17.70	18.73	18.74	18.74	6
7	18.50	19.33	18.23	20.78	25.91	22.58	17.93	17.60	17.59	18.74	18.74	18.74	7
8	18.51	19.33	18.24	20.67	25.56	22.54	17.92	17.60	17.61	18.74	18.75	18.74	8
9	18.50	19.32	18.23	20.68	25.24	22.68	17.93	17.61	17.63	18.74	18.75	18.74	9
10	18.53	19.27	18.24	20.67	24.74	22.98	17.93	17.61	17.62	18.73	18.74	18.74	10
11	18.99	19.27	18.24	20.79	24.38	23.29	17.93	17.58	17.61	18.94	18.74	18.73	11
12	19.26	19.27	18.23	21.29	24.20	23.35	17.91	17.59	17.62	18.97	18.73	18.73	12
13	19.31	19.28	18.24	22.44	24.13	23.10	17.96	17.59	17.59	18.97	18.74	18.72	13
14	19.32	19.27	18.24	24.61	24.14	22.64	17.72	17.58	17.60	18.98	18.74	18.73	14
15	19.35	19.25	18.24	26.05	24.30	22.05	17.63	17.57	17.59	18.99	18.75	18.80	15
16	19.32	19.30	18.24	29.15	24.18	21.55	17.63	17.57	17.59	18.77	18.75	18.71	16
17	19.29	19.15	18.24	33.17	24.06	20.97	17.62	17.57	17.56	18.73	18.74	18.70	17
18	19.30	18.88	18.24	35.74	24.13	20.07	17.61	17.58	17.58	18.74	18.74	18.69	18
19	19.29	18.64	18.31	35.29	23.98	19.44	17.61	17.26	17.60	18.74	18.74	18.69	19
20	19.29	18.37	18.38	32.29	23.63	19.11	17.60	17.58	17.59	18.74	18.75	18.70	20
21	19.29	18.24	18.32	30.82	23.22	18.82	17.63	17.59	17.94	18.74	18.77	18.72	21
22	19.31	18.22	18.55	33.03	22.94	18.57	17.63	17.58	17.97	18.74	18.55	18.73	22
23	19.31	18.22	20.16	34.96	22.59	18.56	17.62	17.59	18.19	18.74	18.51	18.73	23
24	19.31	18.23	23.09	35.65	22.20	18.35	17.62	17.58	18.19	18.74	17.69	18.73	24
25	19.31	18.23	25.77	34.90	22.64	18.36	17.95	17.58	18.18	18.74	17.59	18.72	25
26	19.31	18.23	26.43	32.41	22.33	18.46	18.07	17.59	18.19	18.75	17.59	18.72	26
27	19.31	18.23	26.80	31.55	21.80	18.29	17.92	17.58	18.19	18.74	18.59	18.72	27
28	19.31	18.23	26.68	30.27	21.49	18.20	17.63	17.58	18.46	18.74	18.74	18.72	28
29	19.31	18.23	26.21	28.85		18.21	17.61	17.58	18.49	18.73	18.74	18.73	29
30	19.31	18.23	25.07	28.30		18.22	17.60	17.58	18.49	18.73	18.74	18.74	30
31	19.31		24.82	27.87		18.22		17.57		18.74	18.74		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-27-69	1145	26.85	3-12-70	1000	23.40						
1-18-70	1715	35.97									

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 34 08	121 25 22	SW 3 8N 5E	176,000	45.73	11-21-1950	JUL 21-OCT 21 MAY 24-DEC 42 ö MAY 43-SEPT 59	JUL 21-OCT 21 JUN 24-NOV 24 JUN 1925-DATE	1921 1921		0.00 -3.07	USED USCGS

Station located at H Street bridge. Backwater at times affects the stage-discharge relationship. Maximum discharge of record listed is for period 1921, 1929-1932, 1934 to date. Maximum gage height listed does not necessarily indicate maximum discharge. Drainage area is 1,937 square miles.

ö - Irrigation season only.

DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A81820	SCOTTS CREEK AT UPPER LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3.41	5.80	5.74	NR	11.29	8.91	8.57	8.29	7.53	6.47	5.17	3.74	1
2	3.35	5.79	5.74	NR	11.11	8.88	8.58	8.27	7.50	6.45	5.12	3.74	2
3	3.30	5.79	5.73	NR	10.94	8.83	8.58	8.25	7.45	6.42	5.09	3.73	3
4	3.27	5.79	5.73	NR	10.78	8.97	8.57	8.23	7.43	6.38	5.03	3.70	4
5	3.20	5.89	NR	NR	10.63	9.01	8.57	8.20	7.41	6.33	4.95	3.67	5
6	3.12	5.83	NR	NR	10.47	8.88	8.52	8.14	7.36	6.31	4.89	3.60	6
7	3.11	5.79	NR	NR	10.33	8.78	8.54	8.14	7.29	6.28	4.84	3.49	7
8	3.08	5.80	NR	NR	10.18	8.95	8.53	8.13	7.26	6.24	4.84	3.37	8
9	3.09	5.76	NR	NR	10.04	8.96	8.53	8.06	7.23	6.20	4.82	3.26	9
10	3.15	5.75	NR	NR	9.90	8.98	8.49	8.05	7.19	6.16	4.78	3.15	10
11	3.24	5.74	NR	NR	9.78	8.94	8.52	8.05	7.12	6.10	4.74	3.06	11
12	3.31	5.74	NR	9.39	9.76	8.90	8.49	8.07	7.11	6.05	4.70	2.94	12
13	3.41	5.74	NR	10.14	10.48	8.87	8.43	8.04	7.11	6.02	4.63	2.67	13
14	3.53	5.74	NR	13.62	10.83	8.82	8.45	8.03	7.09	5.98	4.52	2.45	14
15	3.95	5.74	NR	13.75	10.27	8.81	8.49	8.00	7.05	5.92	4.43	2.50	15
16	4.34	5.74	NR	14.72	10.24	8.75	8.48	7.98	7.02	5.85	4.33	2.56	16
17	4.57	5.74	NR	14.80	11.16	8.74	8.46	7.96	7.00	5.83	4.26	2.61	17
18	4.70	5.74	NR	12.88	10.90	8.73	8.43	7.91	6.97	5.80	4.21	2.73	18
19	4.83	5.75	NR	11.28	10.38	8.69	8.34	7.84	6.94	5.76	4.16	2.82	19
20	4.97	5.75	NR	10.89	10.04	8.66	8.39	7.84	6.92	5.70	4.10	2.88	20
21	5.08	5.76	NR	14.09	9.80	8.64	8.38	7.83	6.88	5.64	4.06	2.93	21
22	5.21	5.76	NR	14.75	9.61	8.62	8.38	7.78	6.86	5.61	4.04	2.97	22
23	5.33	5.76	NR	14.85	9.46	8.60	8.37	7.78	6.83	5.59	4.03	3.01	23
24	5.45	5.75	NR	18.30	9.35	8.58	8.34	7.75	6.79	5.55	3.88	3.04	24
25	5.56	5.75	NR	15.32	9.20	8.59	8.31	7.73	6.75	5.50	3.73	3.07	25
26	5.66	5.75	NR	13.07	9.08	8.59	8.31	7.69	6.71	5.46	3.63	3.09	26
27	5.72	5.75	NR	13.29	8.97	8.59	8.31	7.64	6.62	5.40	3.60	3.12	27
28	5.78	5.74	NR	12.65	8.95	8.58	8.31	7.62	6.51	5.34	3.67	3.14	28
29	5.84	5.74	NR	12.06		8.54	8.30	7.58	6.53	5.30	3.70	3.16	29
30	5.87	5.74	NR	11.72		8.56	8.30	7.58	6.50	5.26	3.72	3.21	30
31	5.84		NR	11.48		8.58		7.56		5.22	3.73		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-69		NR	2-17-70	1415	11.29						
1-24-70	0800	19.00	3- 4-70	1030	9.13						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 09 32	122 55 13	SW12 15N 10W		22.14	12/23/64		NOV 59-DATE	1959		1321.2	USCGS

Station located 0.1 mi. above State Highway 29 Bridge, 0.7 mi. SW of Upper Lake. Gage height reflects the elevation of Clear Lake as well as flow of Scotts Creek.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A08125	CACHE CREEK AT YOLO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			NF	51.06	60.33	56.01	50.39	48.77	NF	NF	NF	49.36	1
2			NF	50.89	59.97	55.64	50.25	48.68	NF	NF	NF	49.48	2
3			NF	50.75	59.56	55.17	50.16	NF	48.68	NF	NF	49.50	3
4			NF	50.63	59.22	55.62	49.98	NF	48.71	NF	48.84	49.52	4
5			NF	50.55	58.89	58.30	49.85	NF	48.68	48.67	48.98	49.42	5
6			NF	50.46	58.52	56.97	49.67	NF	48.73	48.69	49.03	49.46	6
7			NF	50.37	58.23	56.88	49.52	NF	48.84	48.89	49.08	49.42	7
8			NF	50.38	58.03	54.59	49.40	NF	49.01	48.69	49.12	49.44	8
9			NF	53.02	57.82	54.02	49.32	NF	49.05	48.68	49.13	49.35	9
10	N	N	NF	63.40	57.72	54.16	49.31	NF	48.77	48.68	49.15	48.90	10
11	O	O	NF	55.24	57.63	54.05	49.32	NF	NF	48.67	49.21	48.68	11
12			NF	54.12	57.61	53.87	49.24	NF	NF	48.67	49.21	48.79	12
13			NF	54.71	60.24	53.74	48.95	NF	NF	48.66	49.32	49.45	13
14			48.64	63.00	61.18	53.63	48.96	NF	NF	48.66	49.32	49.47	14
15	F	F	50.54	64.84	58.71	53.53	49.28	NF	NF	48.65	49.33	49.42	15
16	L	L	50.04	68.01	58.26	53.45	49.10	NF	NF	48.65	49.14	49.43	16
17			49.75	66.50	60.24	53.37	48.71	NF	NF	48.65	49.20	49.36	17
18	O	O	49.22	62.00	59.04	53.26	NF	NF	NF	48.64	48.98	49.35	18
19			48.75	59.60	58.47	53.22	NF	NF	NF	48.64	48.91	49.25	19
20	W	W	54.77	59.32	58.10	53.18	NF	NF	48.70	48.63	49.10	49.16	20
21			55.41	66.44	57.86	53.16	NF	NF	48.97	48.63	48.95	48.75	21
22			55.55	67.54	57.63	53.11	NF	NF	48.94	48.62	49.15	49.09	22
23			52.79	64.12	57.29	53.15	48.74	NF	48.99	48.62	49.07	49.34	23
24			61.70	76.46	57.17	53.08	49.09	NF	48.70	NF	48.79	49.41	24
25			55.80	68.84	56.98	52.06	49.06	NF	NF	NF	48.85	49.37	25
26			53.65	64.62	56.85	51.19	48.85	NF	48.70	NF	48.70	49.38	26
27			52.75	65.53	56.70	51.04	48.87	NF	48.69	NF	48.69	49.37	27
28			52.18	63.98	55.11	50.75	48.98	NF	NF	NF	48.68	49.20	28
29			51.78	62.45		50.66	48.96	NF	NF	NF	48.67	49.06	29
30			51.49	61.57		50.58	48.95	NF	NF	NF	48.66	48.85	30
31			51.25	60.85		50.51		NF		NF	NF		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-20-69	0630	57.99	1-10-70	0430	69.52	1-24-70	1130	80.36			
12-24-69	1130	67.82	1-16-70	1930	73.56	2-13-70	2230	65.32			

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 43 30	121 48 25		41,400	35.11	2-25-1958	JAN 1903-DATE	JAN 1903-DATE	1903	1930	58.24	USCGS
								1930	1954	56.27	USCGS
								1954	1965	52.27	USCGS
								1965	1969	50.27	USCGS
								1969		0.00	USCGS

Station located 800 feet above U. S. Highway 99W bridge, 0.5 mile south of Yolo. Tributary to Yolo Bypass. Maximum discharge listed at present datum. Records furnished by U. S. Geological Survey. Drainage area is 1,139 square miles.
* Datum change 4-24-69.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A02935	YOLO BYPASS NEAR WOODLAND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	10.52	10.38	10.30	23.06	28.34	19.21	11.23	10.53	10.30	10.08	NF	10.68	1
2	10.52	10.38	10.30	21.02	27.72	19.39	11.16	10.63	10.30	10.09	10.35	10.66	2
3	10.52	10.38	10.30	18.12	27.35	18.91	10.95	10.80	10.27	10.10	10.54	10.64	3
4	10.51	10.36	10.31	16.00	27.02	19.01	10.86	10.70	10.29	10.10	10.55	10.68	4
5	10.50	10.38	10.35	15.10	26.65	19.91	10.67	10.45	10.31	10.09	10.55	10.76	5
6	10.50	10.39	10.45	14.25	26.35	20.02	10.51	NF	10.32	10.06	10.42	10.72	6
7	10.50	10.37	10.39	13.45	26.07	19.82	NR	NF	10.32	NF	10.21	10.71	7
8	10.50	10.39	10.37	13.08	25.68	19.38	NR	9.78	10.33	NF	10.12	10.65	8
9	10.50	10.39	10.35	13.64	25.37	18.38	NR	10.25	10.33	NF	10.20	10.60	9
10	10.54	10.38	10.30	19.93	25.15	18.48	NR	10.29	10.21	NF	10.25	10.58	10
11	11.18	10.38	NR	21.27	24.91	18.37	NR	10.31	10.09	NF	10.27	10.54	11
12	10.89	10.38	NR	20.33	24.59	18.17	NR	10.38	NF	NF	10.26	10.47	12
13	10.66	10.43	NR	20.02	24.40	17.90	NR	10.50	NF	NF	10.25	10.41	13
14	10.62	10.56	NR	22.05	24.73	17.65	NR	10.55	NF	NF	10.41	10.31	14
15	10.61	10.48	10.33	26.06	24.83	17.48	NR	10.29	NF	NF	10.58	10.29	15
16	10.61	10.53	10.35	27.24	24.66	17.18	10.77	10.18	NF	NF	10.51	10.30	16
17	10.57	10.47	NR	28.61	24.41	17.08	10.80	10.20	NF	10.08	10.48	10.31	17
18	10.54	10.45	10.73	29.12	24.43	16.77	10.70	10.20	NF	10.20	10.41	10.36	18
19	10.44	10.49	10.82	29.01	24.10	16.58	10.58	10.19	NF	10.40	10.38	10.35	19
20	10.42	10.52	11.27	28.77	23.30	16.39	10.67	10.20	10.12	10.47	10.36	10.36	20
21	10.40	10.52	16.98	28.70	22.11	16.27	10.40	10.22	10.39	10.52	10.20	10.55	21
22	10.39	10.50	19.38	29.81	21.17	16.23	10.36	10.28	10.54	10.65	10.02	10.66	22
23	10.40	10.50	19.56	29.95	20.41	16.06	10.55	10.45	10.60	10.64	10.09	10.70	23
24	10.40	10.40	20.12	30.34	20.00	15.72	10.58	10.66	10.53	10.52	10.13	10.75	24
25	10.40	10.33	24.95	30.83	19.80	15.24	10.65	10.60	10.48	10.31	10.16	10.75	25
26	10.40	10.30	25.78	30.83	19.70	13.73	10.80	10.58	10.47	NF	10.29	10.74	26
27	10.40	10.30	25.64	30.52	19.64	12.47	10.61	10.55	10.27	NF	10.47	10.74	27
28	10.39	10.30	25.34	30.28	19.32	11.95	10.42	10.51	NF	NF	10.45	10.73	28
29	10.38	10.30	24.96	29.80		11.61	10.58	10.44	NF	NF	10.46	10.72	29
30	10.37	10.30	24.57	29.58		11.36	10.68	10.30	NF	NF	10.56	10.74	30
31	10.38		24.05	29.12		11.30		10.27		NF	10.72		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-22-69	2400	19.76	1-10-70	1800	22.03						
12-26-69		25.78	1-25-70	2300	30.90						

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 40 40	121 38 35	SE 28 10N 3E	272,000	32.00	2-8-1942	MAR 30-OCT 38 ö	1940-1941 #	1930	1941	0.73	USED
						JAN 1939-DATE	1941-DATE	1941		0.00	USED
								1941		-3.41	USCGS

Station located just above the Sacramento-Woodland Railroad bridge, 6 miles above the Sacramento Bypass, 7 miles below Fremont Weir, 7 miles east of Woodland. Supplementary water stage recorder, located 7 miles downstream, used for computations during periods of low flow. Stage-discharge relationship at supplementary recorder location at times affected by tidal action. Records furnished by U. S. Geological Survey.

ö - Irrigation season only.
- Flood season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A91250	PUTAH CREEK NEAR WINTERS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	6.08	4.94	5.25	5.47	13.72	10.33	5.88	7.52	7.39	7.79	7.48	7.30	1
2	6.01	4.94	5.15	5.51	13.26	10.34	6.40	7.62	7.53	7.77	7.39	7.30	2
3	5.94	4.81	5.08	5.51	12.24	10.26	6.75	7.60	7.55	7.64	7.43	7.24	3
4	5.89	4.73	5.10	5.51	11.72	10.34	6.63	7.71	7.65	7.64	7.45	7.14	4
5	5.89	4.50	5.11	5.51	10.33	8.79	6.61	7.71	7.76	7.63	7.40	7.11	5
6	5.93	4.11	5.00	5.53	10.13	7.22	6.71	7.68	7.64	7.64	7.28	7.07	6
7	6.00	4.18	4.90	5.51	9.93	7.57	6.71	7.52	7.60	7.56	7.23	7.00	7
8	5.92	4.40	5.09	5.25	9.75	7.85	6.87	7.34	7.58	7.72	7.23	7.11	8
9	5.76	4.72	5.30	5.04	9.58	8.03	7.11	7.39	7.53	7.76	7.23	7.21	9
10	5.75	4.76	5.30	5.22	9.43	8.21	7.22	7.42	7.32	7.70	7.29	7.21	10
11	5.64	4.40	5.31	4.96	9.31	8.28	7.16	7.41	7.26	7.80	7.34	7.15	11
12	5.49	5.10	5.32	4.80	10.60	8.32	7.14	7.37	7.29	7.80	7.40	7.06	12
13	5.58	5.55	5.13	5.36	11.93	9.85	7.24	7.37	7.27	7.77	7.49	7.02	13
14	5.64	5.54	5.05	7.11	12.23	11.15	7.22	7.49	7.15	7.85	7.56	7.03	14
15	4.85	5.58	5.59	8.74	12.02	10.93	7.12	7.65	7.03	7.86	7.49	7.08	15
16	4.04	5.58	5.85	12.33	11.83	10.74	7.04	7.73	7.18	7.79	7.44	7.13	16
17	3.89	5.56	5.85	13.86	12.16	10.58	7.15	7.79	7.27	7.65	7.40	7.17	17
18	3.96	5.56	5.85	13.82	12.09	10.42	7.16	7.67	7.46	7.61	7.40	7.03	18
19	4.07	5.34	5.71	13.55	11.89	9.04	7.29	7.66	7.57	7.57	7.40	6.93	19
20	4.93	5.20	5.46	13.47	11.65	7.74	7.35	7.65	7.56	7.61	7.37	6.88	20
21	5.25	5.18	5.06	15.24	11.43	7.36	7.36	7.68	7.52	7.69	7.35	6.88	21
22	5.17	5.12	5.26	16.38	11.22	6.91	7.36	7.66	7.63	7.68	7.25	6.96	22
23	5.25	5.15	5.72	16.54	11.02	6.35	7.40	7.68	7.66	7.68	7.06	7.08	23
24	5.31	5.15	5.51	18.64	10.84	5.87	7.42	7.64	7.71	7.64	7.15	6.93	24
25	5.32	5.16	4.76	18.10	10.67	5.72	7.32	7.56	7.80	7.64	7.32	6.97	25
26	5.32	4.92	5.42	17.29	9.48	5.66	7.39	7.50	7.73	7.73	7.31	7.13	26
27	4.77	4.88	5.53	17.04	10.31	5.72	7.46	7.46	7.74	7.75	7.27	7.26	27
28	4.44	5.01	5.52	16.26	10.21	5.76	7.41	7.33	7.73	7.77	7.27	7.28	28
29	4.48	5.14	5.53	15.48		5.83	7.23	7.36	7.84	7.78	7.25	7.28	29
30	4.60	5.24	5.48	14.83		5.96	7.37	7.39	7.76	7.71	7.21	7.28	30
31	4.84		5.44	14.24		5.85		7.41		7.60	7.24		31

E — ESTIMATED

NR - NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-17-70	2045	13.98	2-14-70	0530	12.30						
1-24-70	1430	18.85									

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 30'55	122 04 50	NE 28 8N 2W	81,000	30.5	2-27-1940	JULY 1930-DATE	JUNE 1930-DATE	1930 1940	1940	161.8 160.75	USCGS USCGS

Station located 1.3 miles below Monticello Dam, 6 miles west of Winters. Flow regulated by Lake Berryessa. Maximum discharge listed at present datum. Records furnished by U. S. Geological Survey. Drainage area is 574 square miles.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	B07020	SAN JOAQUIN RIVER NEAR VERNALIS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	16.41	16.32	15.54	15.99	22.45	17.85	13.47 E	12.21	13.06	13.39	10.48	10.85	1
2	16.11	16.27	15.63	16.05	21.22	18.02	12.57 E	12.06	13.36	12.48	10.54	10.64	2
3	16.02	16.25	15.87	15.77	20.45	19.26	12.77	12.08	13.72	12.19	10.67	10.60	3
4	16.11	16.07	15.77	15.11	19.96	19.79	12.66	12.08	14.56	11.91	10.56	10.64	4
5	16.21	16.00	15.59	14.91	20.08	20.04	12.50	11.85	14.69	11.67	10.40	10.84	5
6	16.25	16.16	15.37	14.92	20.06	20.77	12.41	11.91	14.46	11.47	10.53	11.01	6
7	16.20	16.38	15.22	15.23	19.83	21.08	12.45	12.17	13.61	11.40	10.50	11.12	7
8	16.07	16.38	15.15	14.97	19.61	21.09	12.45	12.09	12.98	11.12	10.45	10.85	8
9	15.62	16.29	15.14	15.01	19.48	21.22	12.31	12.34	12.62	10.86	10.55	10.61	9
10	15.18	16.18	15.14	15.09	19.48	21.17	12.24	12.74	12.95	10.83	10.60	10.53	10
11	14.98	16.15	15.04	15.02	19.60	20.75	12.16	13.07	14.23	10.82	10.42	10.61	11
12	14.79	16.17	15.01	14.83	19.59	20.21	12.23	13.17	14.55	10.86	10.33	10.91	12
13	14.68	16.12	15.04	14.83	19.47	19.31	12.45	13.26	13.80	11.04	10.35	11.05	13
14	14.58	16.17	14.85	15.07	19.47	18.66	12.58	13.29	14.17	10.96	10.40	11.12	14
15	15.08	16.42	14.69	15.68	19.13	18.17	12.47	13.24	14.31	10.66	10.36	11.10	15
16	15.69	16.36	14.62	17.62	18.91	17.75	12.44	13.30	13.20	10.61	10.46	10.91	16
17	15.83	16.08	14.61	18.87	18.75	17.35	12.40	14.05	12.50	10.57	10.62	10.92	17
18	15.72	15.57	14.58	21.70	18.69	16.58	12.35	14.55	12.07	10.59	10.59	10.99	18
19	15.88	15.46	14.57	24.99	18.82	16.32	12.31	14.62	11.67	10.61	10.42	11.18	19
20	15.89	15.44	14.58	25.41	19.08	16.09	12.28	14.66	11.40	10.63	10.43	11.33	20
21	15.86	15.41	14.46	25.51	19.16	16.11	12.06	14.49	11.42	10.45	10.41	11.46	21
22	16.09	15.36	14.38	25.68	19.13	15.90	11.93	13.92	11.87	10.25	10.50	11.33	22
23	16.22	15.38	14.20	27.89	18.92	15.98 E	11.84	12.76	12.68	10.28	10.55	11.22	23
24	16.35	15.17	14.30	27.90	18.61	15.84 E	11.91	12.25	13.52	10.33	10.84	11.17	24
25	16.53	14.87	14.51	26.82	18.37	15.62 E	12.06	13.06	13.26	10.37	10.86	11.08	25
26	16.68	15.25	15.19	26.38	18.27	15.15 E	12.22	13.38	13.37	10.55	10.72	11.16	26
27	16.77	15.60	15.66	26.19	18.22	14.71 E	12.38	13.18	13.52	10.67	10.71	11.35	27
28	16.75	15.70	15.81	26.03	18.00	14.40 E	12.27	13.00	13.00	10.63	10.70	11.40	28
29	16.72	15.62	15.84	25.77		14.19 E	12.15	12.94	13.56	10.42	10.76	11.29	29
30	16.52	15.57	15.86	25.22		14.14 E	12.16	13.24	13.74	10.32	10.72	11.18	30
31	16.38		15.92	24.22		13.94 E		13.32		10.29	10.90		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-23-70	1930	28.52									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 40 34	121 15 51		79000	32.81	12-9-1950	JUL 22-DEC 23 ö	JUL 22-DEC 23 ö	1931	1959	5.06	USCGS
						JAN 24-FEB 25	JAN 24-FEB 25	1959		0.0	USCGS
						JUN 25-OCT 28 ö	JUN 25-OCT 28 ö	1959		3.3	USED
						MAY 29-DATE	MAY 29-DATE				

Station located 30 feet above the Durham Ferry Highway bridge, 3 miles below the Stanislaus River, 3.4 miles northeast of Vernalis. Maximum discharge listed at site then in use and present datum. Records furnished by USGS. Drainage area is 13,540 square miles.

ö - Irrigation season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	B02105	MOKELUMNE RIVER AT WOODBRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	8.86	9.34	6.62	5.91	22.57	11.54	5.35	4.00	3.89	5.10	6.11	5.55	1
2	8.88	7.34	6.62	5.90	22.56	11.64	5.04	3.94	3.86	5.10	6.19	5.52	2
3	8.92	5.77	6.62	5.90	22.52	11.39	4.95	3.88	3.87	5.27	6.19	5.52	3
4	9.10	5.12	6.62	5.90	22.47	11.44	4.90	3.85	3.88	5.32	6.07	5.81	4
5	9.06	4.97	6.62	5.89	21.79	12.61	5.01	3.83	3.87	5.33	6.02	5.76	5
6	9.06	4.88	5.83	5.87	20.67	12.48	5.20	3.78	3.96	5.54	6.00	5.84	6
7	9.11	5.67	5.07	5.87	19.90	12.35	5.27	3.76	3.95	5.72	5.97	5.89	7
8	8.96	6.48	4.97	5.90	19.22	12.36	5.09	3.81	3.99	5.46	6.09	5.83	8
9	9.09	6.70	4.95	5.98	19.02	12.33	5.11	3.98	4.11	5.22	6.12	5.74	9
10	9.04	6.70	4.94	6.45	18.92	12.37	4.67	4.00	4.30	5.39	6.15	5.79	10
11	8.99	6.73	4.92	6.62	18.83	12.34	4.26	4.07	4.28	5.66	6.01	5.87	11
12	9.00	6.73	4.93	6.62	18.06	12.30	2.30	3.91	4.28	5.80	5.95	5.85	12
13	9.01	6.73	4.93	6.59	17.10	11.73	4.58	3.86	4.30	6.03	5.55	5.97	13
14	8.98	6.73	4.91	7.05	16.81	11.59	4.66	4.01	4.29	6.04	5.73	6.43	14
15	9.55	6.73	4.90	7.47	16.84	11.58	4.25	4.11	4.12	6.07	5.70	6.27	15
16	9.55	6.73	4.82	13.41	16.79	11.50	4.13	4.02	4.04	6.11	5.78	6.23	16
17	9.50	6.70	4.82	17.10	15.86	8.56	4.07	3.93	4.05	6.17	5.65	6.11	17
18	9.48	6.70	4.83	18.26	14.24	7.74	3.97	3.95	4.05	6.14	5.32	6.12	18
19	9.48	6.69	4.88	18.60	13.19	7.62	3.96	3.94	4.03	6.20	5.31	6.17	19
20	9.57	6.69	5.23	18.75	12.97	5.85	3.96	3.96	4.06	6.33	4.84	6.33	20
21	9.52	6.69	5.13	19.16	12.87	5.01	3.95	4.03	4.14	6.12	4.93	6.31	21
22	10.57	6.68	4.98	19.33	12.78	6.57	3.93	4.01	4.27	6.02	4.90	6.34	22
23	10.65	6.67	4.85	20.32	12.72	6.66	3.94	3.92	4.30	6.01	4.98	6.22	23
24	10.65	6.65	4.89	21.88	12.68	6.68	4.02	3.86	4.25	6.00	5.07	6.19	24
25	10.71	6.65	5.40	21.87	12.61	6.64	4.03	3.86	4.48	6.01	5.28	6.24	25
26	10.72	6.64	5.88	21.97	12.05	6.26	4.02	3.93	4.58	6.09	5.19	6.36	26
27	10.72	6.64	5.90	22.55	11.87	6.38	4.07	4.02	4.59	6.10	5.23	6.33	27
28	11.05	6.63	5.91	22.61	11.50	6.40	4.09	4.07	4.83	6.04	5.27	6.38	28
29	11.96	6.62	5.91	22.59		6.27	4.07	4.02	4.89	5.99	5.29	6.36	29
30	12.03	6.62	5.91	22.50		5.84	4.05	3.91	5.10	5.99	5.37	6.27	30
31	11.23		5.91	22.48		5.34		3.89		6.02	5.46		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-29-70	2245	22.68									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 09 30	121 18 10	NE 34 4N 6E	27,000	29.58	11-22-1950	MAY 24-OCT 25 ö JAN 26-DATE	MAY 1924-DATE	1924 1931	1931	18.9 14.9	USCGS USCGS

Station located 0.3 mile below county highway bridge, 0.4 mile below dam and canal intake of Woodbridge Irrigation District. Flow regulated by reservoirs and powerplants. Records furnished by USGS. Drainage area is 661 square miles.

ö - Irrigation season only.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	B11150	COSUMNES RIVER AT MICHIGAN BAR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.43	2.65	2.67	3.63	5.08	5.76	4.02	3.76	3.33	2.80	2.56	2.50	1
2	2.41	2.64	2.68	3.56	4.91	5.80	3.98	3.78	3.30	2.80	2.55	2.49	2
3	2.41	2.63	2.68	3.47	4.79	5.16	3.96	3.80	3.30	2.80	2.56	2.50	3
4	2.41	2.62	2.67	3.42	4.68	5.13	3.93	3.83	3.24	2.78	2.55	2.49	4
5	2.41	2.69	2.67	3.38	4.59	5.17	3.92	3.85	3.19	2.75	2.54	2.50	5
6	2.43	3.40	2.66	3.33	4.58	4.89	3.90	3.86	3.16	2.74	2.55	2.55	6
7	2.44	3.42	2.66	3.33	4.50	4.79	3.89	3.86	3.13	2.71	2.53	2.57	7
8	2.46	3.08	2.69	3.35	4.43	5.37	3.87	3.82	3.10	2.66	2.52	2.58	8
9	2.49	2.93	2.70	3.44	4.38	5.04	3.86	3.81	3.37	2.65	2.52	2.61	9
10	2.53	2.85	2.80	4.48	4.33	5.12	3.85	3.81	3.48	2.65	2.64	2.58	10
11	2.54	2.82	2.83	4.38	4.31	4.95	3.86	3.80	3.29	2.64	2.64	2.56	11
12	2.54	2.78	2.91	4.23	4.33	4.85	3.83	3.76	3.19	2.63	2.64	2.58	12
13	2.56	2.76	2.94	4.46	4.72	4.75	3.87	3.72	3.15	2.62	2.64	2.57	13
14	2.54	2.75	2.92	6.74	5.16	4.71	4.14	3.70	3.15	2.60	2.63	2.58	14
15	2.57	2.75	2.87	6.25	4.75	4.70	3.99	3.71	3.14	2.58	2.73	2.58	15
16	2.94	2.76	2.82	7.76	4.58	4.67	3.90	3.74	3.13	2.61	2.75	2.57	16
17	3.43	2.78	2.80	8.00	5.91	4.64	3.86	3.79	3.05	2.77	2.75	2.58	17
18	3.19	2.83	2.78	6.78	5.25	4.58	3.84	3.82	3.00	2.76	2.76	2.57	18
19	2.99	2.78	2.85	6.13	4.96	4.51	3.86	3.81	3.00	2.75	2.75	2.57	19
20	2.86	2.74	3.67	6.16	4.82	4.45	3.90	3.77	2.96	2.75	2.74	2.48	20
21	2.80	2.73	4.98	8.40	4.71	4.40	3.83	3.70	2.91	2.73	2.65	2.39	21
22	2.75	2.72	5.00	8.39	4.62	4.36	3.80	3.65	2.88	2.72	2.63	2.37	22
23	2.71	2.71	4.13	6.87	4.53	4.34	3.76	3.62	2.85	2.73	2.60	2.35	23
24	2.71	2.70	5.67	7.18	4.49	4.30	3.73	3.60	2.82	2.67	2.61	2.36	24
25	2.70	2.69	5.33	6.56	4.42	4.28	3.73	3.56	2.81	2.66	2.61	2.31	25
26	2.68	2.68	4.97	6.10	4.37	4.25	3.75	3.54	2.80	2.65	2.58	2.28	26
27	2.69	2.68	4.41	6.40	4.34	4.20	3.85	3.54	2.83	2.65	2.47	2.28	27
28	2.70	2.68	4.14	6.09	4.31	4.16	3.82	3.50	2.88	2.63	2.43	2.31	28
29	2.67	2.67	3.97	5.71		4.16	3.75	3.45	2.85	2.62	2.43	2.32	29
30	2.67	2.67	3.83	5.48		4.11	3.75	3.40	2.85	2.60	2.42	2.32	30
31	2.66		3.72	5.25		4.07		3.37		2.56	2.45		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-24-69	1300	6.63	1-16-70	1800	9.32	1-24-70	0900	7.50	2-17-70	0600	6.83
1-14-70	1700	8.11	1-21-70	2200	9.71	1-27-70	1630	6.76	3- 1-70	1900	7.80

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 30 00	121 02 45	SE 36 8N 8E	42000	14.59	12-23-1955	OCT 1907-DATE	OCT 1907-DATE	1907		168.09	USCGS

Station located on highway bridge, 5.5 miles southwest of Latrobe. Flow partly regulated by Jenkinson Lake. Records furnished by USGS. Drainage area is 536 square miles.

TABLE B-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	B01125	COSUMNES RIVER AT MCCONNELL

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NF	30.53	30.62	32.14	35.06	34.47	32.66	32.01	31.27	30.50	NF	NF	1
2	NF	30.52	30.62	32.02	34.64	38.83	32.56	32.07	31.18	30.43	NF	NF	2
3	NF	30.61	30.62	31.90	34.29	35.83	32.52	32.09	31.14	30.44	NF	NF	3
4	NF	30.54	30.61	31.81	34.03	35.20	32.47	32.14	31.09	30.39	NF	NF	4
5	NF	30.54	30.62	31.75	33.84	36.72	32.43	32.19	31.00	30.34	NF	NF	5
6	NF	30.74	30.62	31.68	33.62	35.31	32.39	32.19	30.89	30.32	NF	NF	6
7	NF	31.92	30.61	31.63	33.44	34.69	32.36	32.24	30.84	30.72	NF	NF	7
8	NF	31.41	30.63	31.67	33.29	35.51	32.32	32.19	30.82	31.11	NF	NF	8
9	NF	31.08	30.65	31.71	33.15	35.91	32.26	32.16	30.93	30.48	NF	NF	9
10	NF	30.93	30.66	32.88	33.04	35.30	32.24	32.14	31.41	30.78	NF	NF	10
11	NF	30.83	30.79	34.58	32.96	NR	32.24	32.13	31.28	NF	NF	NF	11
12	NF	30.78	30.82	33.47	32.94	34.55	32.21	32.05	31.06	NF	NF	NF	12
13	NF	30.74	30.94	33.64	33.45	34.38	32.20	32.00	30.95	NF	NF	30.22	13
14	NF	30.72	30.94	37.40	35.01	34.23	32.59	31.94	30.94	NF	NF	31.15	14
15	NF	30.70	30.92	42.04	34.26	34.16	32.62	31.96	30.88	NF	NF	31.07	15
16	30.10	30.70	30.85	40.23	33.73	34.10	32.40	31.95	30.92	NF	NF	30.73	16
17	31.21	30.70	30.80	44.40	36.67	33.98	32.32	32.03	30.86	NF	NF	NF	17
18	31.42	30.76	30.77	42.70	36.62	33.87	32.23	32.10	30.80	NF	NR	NF	18
19	31.12	30.82	30.80	38.91	35.17	33.70	32.24	32.15	30.72	30.17	NR	NF	19
20	30.98	30.74	31.11	38.28	34.60	33.56	32.34	32.12	30.72	30.72	NR	NF	20
21	30.80	30.68	33.83	40.53	34.24	33.44	32.25	32.00	30.68	30.69	NR	NF	21
22	30.71	30.68	36.01	44.90	33.95	33.34	32.17	31.90	30.62	30.88	NR	NF	22
23	30.65	30.68	33.56	42.13	33.73	33.26	32.11	31.83	30.54	31.18	NR	NF	23
24	30.61	30.68	35.29	40.66	33.58	33.20	32.06	31.78	30.58	30.77	NR	NF	24
25	30.60	30.66	37.33	40.44	33.45	33.15	32.03	31.73	30.56	30.75	NF	NF	25
26	30.58	30.64	36.27	38.27	33.32	33.09	32.03	31.65	30.69	31.14	NF	NF	26
27	30.56	30.63	34.24	38.24	33.24	33.01	32.15	31.61	30.53	30.68	NF	NF	27
28	30.56	30.63	33.38	38.84	33.17	32.92	32.17	31.57	30.61	NF	NF	NF	28
29	30.56	30.63	32.87	37.02		32.89	32.07	31.49	30.69	NF	NF	NF	29
30	30.54	30.62	32.54	36.19		32.84	31.99	31.39	30.52	NF	NF	NF	30
31	30.54		32.30	35.57		32.76		31.34		NF	NF		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-24-69	2230	39.13	1-15-70	1045	43.42	1-22-70	0615	45.56	3-2-70	0400	40.60
1-11-70	0145	35.45	1-17-70	0815	45.07	2-17-70	1500	38.57			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 21 29	121 20 34	20 6N 6E	54,000	46.26	12-23-1955	OCT 1941-DATE	JAN 31-MAY 40 # OCT 41-DATE	1931		0.00	USED

Station located on U. S. Highway 99 bridge, 0.2 mile south of McConnell, 7.0 miles north of Galt. Maximum discharge of record listed is for period 1943 to date. Records furnished by U. S. Geological Survey. Drainage area is 724 square miles.

- Flood season only.

DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	G32100	EAGLE LAKE NEAR SUSANVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	8.80 E	8.69	8.71	9.12	10.50	10.98	11.35	11.37	11.27	11.12	10.63	10.14	1
2	8.78	8.70	8.63	9.12	10.50	11.01	11.36	11.38	11.26	11.11	10.62	10.13	2
3	8.75	8.70	8.71	9.12	10.52	11.01	11.35	11.38	11.26	11.11	10.61	10.11	3
4	8.72	8.67	8.72	9.12	10.53	11.02	11.35	11.39	11.26	11.10	10.59	10.10	4
5	8.71	8.75	8.71	9.12	10.55	11.04	11.35	11.38	11.25	11.10	10.57	10.07	5
6	8.70	8.76	8.71	9.12	10.56	11.04	11.36	11.39	11.25	11.09	10.55	10.05	6
7	8.69	8.74	8.71	9.12	10.57	11.05	11.36	11.39	11.24	11.08	10.53	10.04	7
8	8.69	8.74	8.72	9.12	10.58	11.14	11.35	11.38	11.20	11.07	10.52	10.03	8
9	8.69	8.74	8.72	9.14	10.60	11.16	11.36	11.38	11.18	11.05	10.51	10.01	9
10	8.69	8.74	8.71	9.22	10.62	11.18	11.36	11.39	11.20	11.03	10.50	10.01	10
11	8.66	8.74	8.72	9.23	10.64	11.19	11.35	11.37	11.19	11.01	10.49	10.01	11
12	8.64	8.74	8.77	9.23	10.65	11.20	11.33	11.38	11.18	10.99	10.47	10.00	12
13	8.61	8.74	8.78	9.25	10.71	11.21	11.34	11.39	11.18	10.98	10.46	9.97	13
14	8.62	8.74	8.79	9.32	10.74	11.22	11.35	11.38	11.20	10.96	10.45	9.94	14
15	8.62	8.75	8.79	9.34	10.74	11.24	11.34	11.37	11.20	10.95	10.44	9.92	15
16	8.69	8.75	8.79	9.41	10.76	11.26	11.36	11.38	11.19	10.93	10.42	9.92	16
17	8.73	8.74	8.79	9.47	10.85	11.28	11.36	11.38	11.19	10.91	10.39	9.90	17
18	8.74	8.72	8.80	9.50	10.85	11.29	11.35	11.38	11.18	10.90	10.38	9.88	18
19	8.72	8.72	8.83	9.53	10.84	11.29	11.37	11.37	11.18	10.88	10.36	9.88	19
20	8.71	8.72	8.87	9.56	10.85	11.30	11.36	11.37	11.18	10.87	10.34	9.88	20
21	8.71	8.73	8.94	9.60	10.86	11.31	11.38	11.36	11.18	10.85	10.33	9.86	21
22	8.72	8.72	8.98	9.66	10.87	11.32	11.36	11.36	11.17	10.83	10.31	9.84	22
23	8.72	8.72	9.02	9.77	10.88	11.33	11.36	11.36	11.17	10.81	10.29	9.85	23
24	8.71	8.72	9.07	10.04	10.89	11.34	11.37	11.35	11.16	10.80	10.27	9.83	24
25	8.71	8.72	9.09	10.15	10.89	11.34	11.35	11.35	11.15	10.79	10.25	9.80	25
26	8.71	8.72	9.12	10.23	10.90	11.37	11.37	11.34	11.14	10.77	10.23	9.78	26
27	8.71	8.72	9.12	10.37	10.91	11.35	11.40	11.34	11.14	10.74	10.21	9.78	27
28	8.70	8.72	9.10	10.41	10.91	11.37	11.39	11.33	11.15	10.70	10.20	9.78	28
29	8.70	8.71	9.10	10.42		11.38	11.38	11.32	11.15	10.68	10.19	9.77	29
30	8.70	8.71	9.11	10.47		11.37	11.38	11.30	11.13	10.66	10.18	9.77	30
31	8.70		9.12	10.48		11.36		11.27		10.65	10.16		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
4-27-70	1615	11.50									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
40 36 45	120 43 34	SW22 32N 11E		11.50	4/27/70		OCT 56-DATE	1956		5095.06	USCGS

Station located on east shore, 14 mi. NW of Susanville.

TABLE B-12

DAILY MAXIMUM AND MINIMUM TIDES

This table shows the water surface elevations for the daily high and low tides referenced to gage datum. The maximum and minimum water surface elevations are reported for those days where normal tide patterns did not occur.

TABLE 8-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER AT SACRAMENTO WEIR

in feet

STATION NO	WATER YEAR
A02105	1970

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	9.02 8.79	9.23 8.55	8.56 7.92	24.91 A 24.30 A	27.77 A 27.41 A	19.67 A 19.38 A	10.40 9.85	7.93 6.26	NR NR	NR NR	8.52 7.02	9.04 8.23	1
2	8.73 8.53	9.15 8.53	8.49 7.85	24.28 A 23.17 A	27.87 A 27.39 A	21.55 A 19.70 A	10.08 9.72	7.94 6.38	NR NR	NR NR	8.35 7.01	9.09 8.48	2
3	8.99 8.00	8.98 8.47	8.78 7.96	23.17 A 22.18 A	27.71 A 27.13 A	22.34 A 21.55 A	9.89 9.50	8.03 6.37	NR NR	NR NR	8.35 7.03	9.25 8.53	3
4	8.55 7.79	9.08 8.45	8.86 8.11	22.18 A 21.28 A	27.13 A 26.70 A	22.52 A 22.34 A	9.66 9.07	8.15 6.26	NR NR	NR NR	8.43 7.34	9.35 8.72	4
5	8.61 7.84	9.44 8.77	8.93 8.10	21.28 A 19.88 A	26.71 A 26.42 A	22.48 A 22.18 A	9.38 8.75	7.33 6.13	NR NR	NR NR	8.19 7.18	9.18 8.45	5
6	8.52 7.74	9.44 8.80	9.08 8.18	19.83 A 17.62 A	26.42 A 26.25 A	22.18 A 22.12 A	9.45 8.72	6.60 6.09	NR NR	NR NR	8.04 7.10	9.24 8.49	6
7	8.47 7.75	10.03 9.01	9.31 8.27	17.59 A 16.19 A	26.25 A 25.95 A	22.14 A 22.02 A	9.38 8.36	7.45 6.07	NR NR	NR NR	7.85 7.10	9.41 8.56	7
8	8.57 7.94	10.26 9.53	9.69 8.38	16.17 A 15.65 A	25.95 A 25.64 A	22.02 A 21.93 A	9.01 8.09	6.91 6.01	NR NR	NR NR	8.18 7.08	9.41 8.63	8
9	8.56 7.94	10.37 9.65	9.90 8.66	15.75 A 15.32 A	25.64 A 25.47 A	22.47 A 22.00 A	8.95 7.75	7.15 5.98	NR NR	7.60 6.50	8.18 7.18	9.67 8.89	9
10	8.50 7.88	10.35 9.57	10.24 8.86	16.61 A 15.36 A	25.47 A 25.10 A	22.92 A 22.46 A	8.83 7.88	6.91 5.92	NR NR	7.53 6.31	8.47 7.45	10.03 9.25	10
11	8.59 7.75	10.21 9.47	10.19 9.04	18.62 A 16.65 A	25.09 A 24.81 A	23.20 A 22.91 A	8.54 7.37	6.88 5.92	NR NR	7.66 6.36	8.71 7.55	10.20 9.50	11
12	9.12 8.07	10.05 9.29	10.16 9.17	20.74 A 18.65 A	24.83 A 24.71 A	23.26 A 23.05 A	8.14 7.23	6.65 5.97	NR NR	7.78 6.57	9.01 7.69	10.50 9.92	12
13	9.50 8.42	9.64 8.96	10.51 A 9.19 A	23.21 A 20.78 A	24.75 A 24.63 A	23.05 A 22.57 A	8.60 7.71	6.62 6.00	NR NR	8.06 6.78	9.16 7.69	10.83 9.93	13
14	9.41 8.65	9.25 8.52	13.88 A 10.52 A	25.89 A 23.23 A	24.87 A 24.61 A	22.57 A 21.65 A	8.31 7.93	6.67 6.01	NR NR	8.37 6.97	9.18 7.71	10.45 9.72	14
15	9.88 8.50	9.39 8.38	14.70 A 13.89 A	26.96 A 25.89 A	24.98 A 24.84 A	21.65 A 20.63 A	7.56 6.96	7.77 5.97	NR NR	8.83 7.28	9.32 7.81	10.23 9.66	15
16	9.90 8.88	9.39 8.64	14.73 A 14.22 A	30.37 A 26.94 A	24.88 A 24.67 A	20.63 A 19.76 A	7.64 6.84	7.81 6.06	NR NR	8.99 6.99	9.22 7.83	10.03 9.54	16
17	NR NR	9.17 8.56	14.22 A 13.38 A	31.56 A 30.42 A	24.67 A 24.56 A	19.73 A 18.34 A	7.61 6.90	7.52 6.00	NR NR	8.65 6.79	9.11 7.89	10.04 9.46	17
18	9.96 9.16	8.88 8.42	13.38 A 12.66 A	31.80 A 31.59 A	24.74 A 24.62 A	18.34 A 17.01 A	7.61 6.92	6.88 5.98	NR NR	8.76 6.90	8.96 7.85	10.26 9.46	18
19	9.80 9.09	8.84 8.34	13.29 12.55	31.74 A 30.98 A	24.62 A 24.40 A	16.98 A 16.05 A	7.45 6.49	6.63 5.91	NR NR	8.74 6.90	8.77 7.81	10.21 9.53	19
20	9.53 8.91	8.98 8.23	14.22 A 12.70 A	30.95 A 29.92 A	24.40 A 24.04 A	16.05 A 15.35 A	7.18 6.15	6.85 5.92	NR NR	8.65 7.08	8.74 7.69	10.21 9.49	20
21	9.40 8.83	9.17 8.28	16.65 A 14.25 A	29.90 A 29.58 A	24.04 A 23.67 A	15.32 A 13.80 A	7.44 6.24	6.77 5.92	NR NR	8.52 7.12	8.90 7.69	9.44 9.35	21
22	9.54 8.93	9.27 8.37	17.99 A 16.67 A	31.59 A 29.84 A	23.67 A 23.28 A	13.79 A 12.96 A	7.34 5.97	7.08 5.93	NR NR	8.26 7.02	8.21 7.77	9.82 8.86	22
23	9.55 8.98	9.14 8.34	20.67 A 18.02 A	31.80 A 31.59 A	23.28 A 22.82 A	12.93 A 12.50 A	7.22 5.74	6.70 5.90	NR NR	8.05 7.13	8.87 7.75	9.21 8.42	23
24	9.58 8.89	9.18 8.24	24.87 A 20.72 A	31.81 A 31.67 A	22.82 A 22.21 A	12.55 A 12.11 A	7.30 5.74	6.66 5.95	NR NR	8.34 7.15	8.83 7.53	9.09 8.22	24
25	9.55 8.87	9.12 8.21	26.38 A 24.89 A	31.71 A 31.22 A	22.40 A 22.16 A	12.25 11.82	7.61 6.23	6.91 5.87	NR NR	8.44 7.07	8.66 7.53	8.79 8.04	25
26	9.62 8.82	9.14 8.20	26.62 A 26.38 A	31.20 A 30.31 A	22.18 A 21.32 A	12.07 11.40	7.64 6.43	6.75 5.90	NR NR	8.50 7.25	8.82 7.64	8.76 8.07	26
27	9.63 8.86	9.03 8.16	26.67 A 26.52 A	30.32 A 29.85 A	21.32 A 20.25 A	11.39 10.50	7.96 6.39	6.60 5.82	NR NR	8.70 7.31	8.85 7.98	8.86 8.23	27
28	9.49 8.79	8.92 8.14	26.53 A 26.29 A	29.87 A 28.98 A	20.25 A 19.49 A	10.90 10.14	7.38 6.26	6.66 5.85	NR NR	8.81 7.27	9.29 8.34	8.94 8.35	28
29	9.38 8.66	8.77 8.03	26.30 A 25.63 A	28.99 A 28.53 A		10.61 9.91	7.77 6.33	6.47 5.74	NR NR	8.69 7.10	9.42 8.43	9.00 8.43	29
30	9.26 8.51	8.57 8.03	25.63 A 25.09 A	28.54 A 28.13 A		10.40 9.83	7.95 6.28	6.21 5.81	NR NR	8.72 7.15	9.57 8.60	NR NR	30
31	9.23 8.47		25.11 A 24.90 A	28.16 A 27.73 A		10.42 10.15		6.48 5.88		8.71 7.18	9.34 8.50		31
MAXIMUM	NR	10.37	26.67	31.81 A	27.87 A	23.26 A	10.40	8.15	NR	NR	9.57	NR	MAXIMUM
MINIMUM	NR	8.03	7.85	15.32 A	19.49 A	9.83	5.74	5.74	NR	NR	7.01	NR	MINIMUM

E– Estimated
NR– No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

A High flows effected the normal tidal pattern. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 36 09	121 33 12	NE 29 9N 4E		33.1	12-23-1955		NOV 26-JUL 37 #	1926		0.00	USED
							OCT 37-DATE	1926		-3.07	USCGS
									1964	-3.49	USCGS
								1964		-3.00	USCGS

Station located 100 feet below weir, 4 miles northwest of Sacramento. Station located in tidal zone.

- Flood season only.

TABLE B-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER AT SACRAMENTO

in feet

STATION NO	WATER YEAR
A02100	1970

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.01 5.07	5.52 4.75	4.93 4.20	20.67 A 20.10 A	23.72 A 23.36 A	15.58 A 15.33 A	6.64 5.95	4.56 3.92	3.86 3.04	5.03 3.28	5.20 3.47	5.53 4.50	1
2	5.44 4.80	5.33 4.71	4.94 4.13	20.08 A 18.91 A	23.73 A 23.35 A	17.33 A 15.59 A	6.37 5.86	4.65 3.77	4.88 2.78	5.13 3.40	4.99 3.47	5.54 4.76	2
3	5.42 4.22	5.41 4.71	5.24 4.26	18.89 A 17.11 A	23.62 A 22.97 A	18.24 A 17.34 A	6.19 5.66	4.80 3.70	4.91 2.60	5.19 3.38	4.99 3.58	5.70 4.86	3
4	4.96 4.04	5.59 4.76	5.35 4.46	17.94 A 17.14 A	23.01 A 22.56 A	18.49 A 18.25 A	5.98 5.30	5.12 3.85	4.82 2.72	5.15 3.36	5.05 3.76	5.83 5.00	4
5	5.06 4.09	5.97 5.16	5.46 4.46	17.14 A 15.83 A	22.59 A 22.30 A	18.45 A 18.11 A	5.74 4.98	5.50 4.85	5.28 3.21	5.14 3.56	4.77 3.58	5.15 4.71	5
6	4.99 4.03	5.96 5.13	5.62 4.57	15.83 A 13.72 A	22.31 A 22.13 A	18.11 A 18.00 A	5.84 4.95	5.65 4.24	5.21 2.95	5.06 3.34	4.60 3.54	5.70 4.77	6
7	4.96 4.05	6.48 5.31	5.89 4.63	13.69 A 12.28 A	22.13 A 21.87 A	18.06 A 17.95 A	5.83 4.63	5.29 4.86	4.73 2.66	4.73 3.12	4.73 3.60	5.90 4.81	7
8	5.05 4.26	6.74 5.81	6.29 4.76	12.27 A 11.74 A	21.86 A 21.55 A	17.98 A 17.80 A	5.47 4.29	5.50 4.00	4.68 2.62	4.52 3.02	4.74 3.48	5.19 4.91	8
9	5.05 4.24	6.86 5.94	6.40 5.02	11.94 A 11.44 A	21.55 A 21.21 A	18.42 A 17.94 A	5.39 4.12	5.14 3.78	4.00 2.54	4.25 3.00	5.04 3.63	6.15 5.09	9
10	5.00 4.22	6.85 5.89	6.74 5.14	12.64 A 11.47 A	21.20 A 20.81 A	18.83 A 18.36 A	5.26 4.12	5.04 3.80	3.89 2.54	3.74 2.82	4.04 3.82	6.44 5.48	10
11	5.09 4.05	6.74 5.76	6.68 5.32	14.55 A 12.66 A	20.82 A 20.52 A	19.09 A 18.11 A	4.97 3.55	4.88 4.10	3.87 2.81	4.35 2.89	5.31 3.92	6.60 5.67	11
12	5.68 4.41	6.58 5.59	6.63 5.46	16.58 A 14.57 A	20.51 A 20.40 A	19.10 A 18.11 A	4.56 3.45	4.99 4.23	4.13 2.78	4.47 3.09	5.64 4.10	6.88 6.17	12
13	6.08 4.78	6.16 5.26	6.77 A 5.46 A	19.00 A 16.59 A	20.48 A 20.29 A	18.95 A 18.47 A	5.10 4.01	4.94 4.22	4.21 3.13	4.76 3.27	5.80 1.93	7.27 6.20	13
14	5.98 5.02	5.88 4.83	9.76 A 6.77 A	21.70 A 19.04 A	20.55 A 20.27 A	18.47 A 17.60 A	4.76 3.13	5.05 4.24	4.68 2.97	5.06 3.47	5.84 4.11	6.83 5.91	14
15	6.45 4.84	5.93 4.72	10.51 A 9.78 A	22.76 A 21.71 A	20.64 A 20.52 A	17.59 A 16.11 A	3.97 3.03	5.14 4.80	4.53 2.98	5.53 3.77	6.00 4.26	6.56 5.87	15
16	6.46 5.24	5.67 4.95	10.54 A 10.07 A	26.49 A 22.75 A	20.57 A 20.34 A	16.59 A 15.75 A	4.05 3.55	5.20 4.13	4.81 3.05	5.69 3.54	5.88 4.26	6.39 5.75	16
17	6.45 5.29	5.65 4.78	10.06 A 9.26 A	27.83 A 26.52 A	20.37 A 20.23 A	15.74 A 14.36 A	4.07 3.11	5.17 4.25	5.07 3.05	5.39 3.28	5.75 4.30	6.42 5.66	17
18	5.84 5.45	5.24 4.54	9.25 A 8.57 A	28.18 A 27.86 A	20.43 A 20.31 A	14.35 A 12.98 A	4.10 3.15	5.30 4.13	5.09 2.96	5.49 3.42	5.58 4.26	6.67 5.70	18
19	6.26 5.36	5.18 4.43	9.46 8.49	28.14 A 27.26 A	20.33 A 20.08 A	12.97 A 12.03 A	3.99 2.83	5.17 3.62	5.11 2.91	5.45 3.48	5.37 4.23	6.65 5.78	19
20	5.98 5.18	5.41 4.42	10.05 A 8.68 A	27.22 A 26.09 A	20.08 A 19.73 A	12.02 A 11.36 A	3.71 2.43	5.00 3.42	5.41 3.12	5.35 3.58	5.33 4.09	6.66 5.72	20
21	5.85 5.13	5.64 4.57	12.39 A 10.06 A	26.05 A 25.68 A	19.73 A 19.37 A	11.34 A 9.84 A	4.06 2.62	5.06 3.35	5.39 3.23	5.17 3.59	5.49 4.10	5.72 5.56	21
22	6.02 5.26	5.75 4.67	13.69 A 12.38 A	27.91 A 25.97 A	19.36 A 19.01 A	9.82 A 9.02 A	3.98 2.34	5.17 3.33	5.14 3.18	4.88 3.51	5.46 4.16	6.20 5.14	22
23	6.07 5.32	5.65 4.65	16.25 A 13.71 A	28.21 A 27.90 A	19.01 A 18.55 A	9.00 A 8.58 A	3.98 2.01	5.15 3.21	5.29 3.43	5.00 3.59	4.43 4.12	5.68 4.68	23
24	6.11 5.25	5.67 4.54	20.44 A 16.30 A	28.24 A 28.10 A	18.55 A 17.95 A	8.67 A 8.13 A	4.10 2.25	5.07 3.29	4.57 2.94	4.48 3.62	5.41 3.82	5.57 4.52	24
25	6.08 5.26	5.65 4.54	22.08 A 20.48 A	28.15 A 27.56 A	18.17 A 17.90 A	8.42 7.90	4.42 2.79	5.58 3.62	4.17 2.68	5.10 3.60	5.21 3.81	5.28 4.33	25
26	6.19 5.19	5.63 4.51	22.37 A 22.07 A	27.54 A 26.52 A	18.02 A 17.23 A	8.28 7.46	4.67 3.00	5.10 3.47	4.27 2.88	5.16 3.71	5.34 3.92	5.12 4.22	26
27	6.19 5.23	5.57 4.50	22.42 A 22.32 A	26.52 A 26.03 A	17.22 A 16.20 A	7.61 6.62	4.69 3.00	4.59 2.91	4.80 2.81	5.35 3.75	5.34 4.36	5.21 4.39	27
28	6.03 5.17	5.44 4.41	22.32 A 22.11 A	26.02 A 25.06 A	16.19 A 15.46 A	7.17 6.25	4.00 2.71	4.02 2.31	4.63 3.14	5.49 3.72	5.83 4.62	5.28 4.53	28
29	5.92 5.04	5.25 4.38	22.11 A 21.42 A	25.05 A 24.51 A		6.89 6.06	4.23 3.45	3.90 2.26	4.80 2.95	5.37 3.59	5.93 4.82	5.33 4.60	29
30	5.74 4.92	5.01 4.30	21.40 A 20.81 A	24.52 A 24.01 A		6.65 5.93	4.41 3.65	4.00 2.32	4.82 3.03	5.37 3.60	6.08 4.92	5.23 4.51	30
31	5.63 4.83		20.83 A 20.62 A	24.10 A 23.11 A		6.67 6.33		4.26 2.83		5.35 3.62	5.82 4.79		31
MAXIMUM	6.46	6.86	22.42	28.24	23.73	19.10	6.64	5.58	5.41	5.69	6.08	7.27	MAXIMUM
MINIMUM	4.03	4.30	4.13	11.44	15.46	5.93	2.01	2.26	2.54	2.82	1.93	4.22	MINIMUM

E- Estimated
NR- No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

A High flows affected the normal tidal pattern. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 35 20	121 30 15	NW 35 9N 4E	104,000	30.14	11-21-1950	04- 05 JUN 21-NOV 21 MAY 24-DEC 42 ♂ MAY 43-DATE	JAN 04-JUL 05 20-DATE	1904 1956 1956 1965	1956 1965 	0.12 0.00 2.93 -0.23 0.00	USCGS USCGS USED USCGS USCGS

Station located 1,000 feet above I Street bridge, 0.5 mile below the American River. Below approximately 30,000 cfs the stage-discharge relationship is affected by tidal influence. Maximum discharge listed at site and datum then in use. Drainage area is 23,530 square miles.

♂ - Irrigation season only.

TABLE 8-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER NEAR FREEPORT

in feet

STATION NO	WATER YEAR
891850	1970

DATE	OCT	NOV.	DEC	JAN.	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	4.98 3.48	4.27 3.11	3.83 2.67	16.49 A 16.02 A	19.26 A 18.92 A	12.16 A 11.87 A	4.98 3.84	3.51 2.24	4.21 2.04	4.44 2.10	4.58 2.31	4.47 3.05	1
2	3.83 3.31	4.07 3.07	3.82 2.63	16.01 A 14.98 A	19.25 A 18.92 A	13.41 A 12.00 A	4.86 3.74	3.65 2.29	4.39 1.88	4.48 2.17	4.35 2.27	4.40 3.20	2
3	3.84 2.68	4.17 3.07	4.18 2.77	14.97 A 14.11 A	19.05 A 18.57 A	14.34 A 13.42 A	4.76 3.87	3.89 2.45	4.51 1.83	4.57 2.20	4.31 2.38	4.51 3.27	3
4	3.48 2.52	4.40 3.14	4.35 3.00	14.13 A 13.46 A	18.57 A 18.20 A	14.67 A 14.32 A	4.60 3.58	4.26 2.02	4.42 1.85	4.55 2.22	4.31 2.53	4.71 3.45	4
5	4.01 2.61	4.80 3.58	4.47 3.00	13.44 A 12.33 A	18.20 A 17.98 A	14.62 A 14.29 A	4.48 3.32	4.63 2.89	4.85 2.33	4.60 2.45	3.99 2.33	4.43 3.09	5
6	3.95 2.57	4.75 3.51	4.69 3.11	12.32 A 10.54 A	17.98 A 17.80 A	14.32 A 14.18 A	4.69 3.30	4.81 2.83	4.75 2.10	4.43 2.19	3.77 2.28	4.55 3.16	6
7	3.96 2.62	5.21 3.65	5.04 3.16	10.49 A 9.30 A	17.80 A 17.59 A	14.28 A 14.13 A	4.79 3.10	4.45 2.53	4.29 1.81	4.13 2.03	3.88 2.31	4.84 3.15	7
8	4.12 2.86	5.47 4.06	5.47 3.30	9.51 A 8.86 A	17.59 A 17.31 A	14.23 A 14.03 A	4.46 2.76	4.65 2.65	4.21 1.73	3.93 2.00	3.89 2.16	5.05 3.75	8
9	4.12 2.87	5.62 4.16	5.58 3.00	9.60 A 8.63 A	17.31 A 17.03 A	14.54 A 14.10 A	4.42 2.66	4.40 2.46	3.41 1.55	3.65 2.02	4.22 2.37	3.95 3.39	9
10	4.07 2.89	5.68 4.16	5.94 3.61	9.59 A 8.60 A	17.02 A 16.67 A	14.88 A 14.50 A	4.34 2.68	4.23 2.38	3.25 1.49	3.78 1.81	4.55 2.52	5.20 3.66	10
11	4.06 2.53	5.62 4.06	5.77 3.04	11.15 A 9.55 A	16.67 A 16.42 A	15.12 A 14.85 A	4.04 2.12	3.89 2.53	3.20 1.61	2.82 1.86	3.18 2.63	5.32 3.83	11
12	4.71 2.90	5.49 3.91	5.67 3.92	12.82 A 11.15 A	16.44 A 16.30 A	15.18 A 15.00 A	3.59 2.07	3.71 2.53	3.38 1.60	3.87 2.08	4.89 2.82	5.55 4.25	12
13	5.15 3.25	5.15 3.66	5.41 3.89	15.00 A 12.85 A	16.39 A 16.19 A	15.02 A 14.60 A	4.28 2.79	3.62 2.47	3.52 2.07	4.16 2.20	5.06 2.81	5.96 4.36	13
14	5.07 3.49	4.97 3.31	7.36 A 4.04 A	17.38 A 14.98 A	16.37 A 16.21 A	14.61 A 13.87 A	3.84 1.80	3.72 2.50	4.03 1.94	4.47 2.38	5.16 2.81	5.46 4.05	14
15	5.52 3.31	4.89 3.26	7.94 A 7.20 A	18.33 A 17.39 A	16.51 A 16.37 A	13.85 A 12.93 A	3.03 1.78	3.83 2.63	3.92 1.93	4.97 2.66	5.29 2.97	5.16 3.99	15
16	5.44 3.69	4.47 3.40	8.05 7.47	21.46 A 18.37 A	16.42 A 16.23 A	12.92 A 12.16 A	3.20 1.89	4.03 2.65	4.25 2.00	5.16 2.47	5.18 2.96	5.05 3.91	16
17	5.28 3.68	4.02 3.12	7.63 6.79	22.55 A 21.46 A	16.27 A 16.16 A	12.16 A 10.95 A	3.26 2.02	4.20 2.83	4.55 2.03	4.86 2.21	5.02 2.96	5.08 3.85	17
18	5.00 3.74	3.98 2.89	7.10 6.45	23.13 A 22.55 A	16.30 A 16.20 A	10.94 A 9.71 A	3.34 1.89	4.45 2.80	4.58 1.95	4.98 2.34	4.80 2.97	5.40 3.87	18
19	4.42 3.61	4.01 2.80	7.59 6.17	23.13 A 22.07 A	16.21 A 15.97 A	9.70 A 8.87 A	3.31 1.80	4.49 2.48	4.62 1.92	4.91 2.37	4.57 2.92	5.41 4.02	19
20	4.70 3.45	4.33 2.91	7.87 A 6.42 A	22.07 A 21.17 A	15.99 A 15.69 A	8.99 A 8.70 A	3.07 1.42	4.34 2.20	4.95 2.15	4.80 2.48	4.53 2.78	5.43 3.92	20
21	4.61 3.45	4.69 3.07	9.66 A 7.32 A	21.17 A 21.04 A	15.69 A 15.37 A	8.39 7.70	3.52 1.65	4.44 2.19	4.90 2.23	4.58 2.45	4.66 2.78	4.89 3.84	21
22	4.84 3.64	4.83 3.20	10.33 A 9.32 A	22.78 A 21.17 A	15.37 A 15.06 A	7.30 6.63	3.45 1.36	4.59 2.18	4.66 2.15	4.20 2.31	4.67 2.86	4.49 3.39	22
23	4.94 3.73	4.71 3.18	12.42 A 10.34 A	23.15 A 22.78 A	15.05 A 14.67 A	6.81 6.11	3.47 1.30	4.57 2.01	4.75 2.42	4.32 2.39	4.59 2.83	3.89 3.01	23
24	5.03 3.66	4.69 3.05	16.09 A 12.45 A	23.15 A 23.05 A	14.67 A 14.14 A	6.58 5.78	3.64 1.32	4.48 2.15	4.01 1.95	4.45 2.48	4.48 2.56	4.45 2.92	24
25	4.98 3.68	4.70 3.03	17.73 A 16.13 A	23.05 A 22.53 A	14.27 A 14.05 A	6.44 5.56	3.93 1.77	5.07 2.58	3.61 1.80	4.51 2.49	3.39 2.53	4.18 2.75	25
26	5.12 3.57	4.64 3.02	17.94 A 17.69 A	22.53 A 21.71 A	14.19 A 13.56 A	6.40 5.13	4.14 1.94	4.54 2.42	3.74 1.91	3.24 2.56	4.57 2.65	4.06 2.69	26
27	5.14 3.63	4.59 3.01	18.02 A 17.90 A	21.74 A 21.36 A	13.54 A 12.63 A	5.77 4.46	4.09 1.95	4.03 1.96	4.28 2.00	4.72 2.57	4.46 2.85	4.11 2.85	27
28	4.91 3.56	4.42 2.97	17.92 A 17.73 A	21.36 A 20.60 A	12.63 A 11.97 A	5.57 4.24	3.32 1.51	3.51 1.41	4.14 2.15	4.87 2.54	4.84 3.10	4.19 2.98	28
29	4.78 3.41	4.18 2.90	17.73 A 17.20 A	20.60 A 19.99 A		5.33 4.08	3.24 1.99	3.42 1.34	4.28 1.89	4.76 2.42	4.95 3.31	4.20 3.09	29
30	4.56 3.28	3.80 2.80	17.21 A 16.61 A	19.99 A 19.60 A		5.10 3.86	3.33 2.16	3.51 1.37	4.25 1.90	4.73 2.44	5.08 3.42	4.20 3.06	30
31	4.40 3.17		16.63 A 16.46 A	19.60 A 19.26 A		5.03 3.86		3.71 1.74		4.72 2.46	4.73 3.23		31
MAXIMUM	5.52	5.68	18.02	23.15	19.26	15.18	4.98	5.07	4.95	5.16	5.29	5.96	MAXIMUM
MINIMUM	2.52	2.80	2.63	8.60	11.97	3.86	1.30	1.34	1.49	1.81	2.16	2.69	MINIMUM

E- Estimated
NR- No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

A High flows affected the normal tidal pattern. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 28 23	121 31 58	SW 10 7N 4E		23.9	12-23-1955		AUG 1955-DATE	1955	1956	4.93	USCGS
								1956		0.00	USCGS
									1964	-0.43	USCGS
								1964		0.00	USCGS

Station located 10.7 miles below Sacramento, 1.9 miles northwest of Freeport. Station located in tidal zone. Maximum gage height listed does not necessarily indicate maximum discharge. Maximum gage height listed at present datum.

TABLE B-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER AT SNODGRASS SLOUGH

in feet

STATION NO	WATER YEAR
B91750	1970

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	7.27 4.92	6.30 4.44	6.08 4.15	14.52 14.01	16.96 A 16.59 A	11.73 10.93	6.74 4.79	5.88 3.84	6.83 4.08	7.03 3.98	7.15 4.24	6.77 4.71	1
2	6.57 4.83	6.16 4.41	6.08 4.11	13.88 13.17	16.94 A 16.57 A	12.01 11.81	6.76 4.84	6.05 3.97	7.02 3.97	7.05 4.01	6.91 4.17	6.63 4.79	2
3	6.03 4.24	6.31 4.44	6.50 4.30	13.26 12.51	16.74 A 16.22 A	12.95 12.68	6.73 4.84	6.34 4.15	7.16 4.01	7.16 4.08	6.86 4.28	6.74 4.86	3
4	6.27 4.03	6.61 4.54	6.71 4.56	12.88 11.97	16.51 A 15.97 A	13.54 12.95	6.61 4.67	6.78 4.46	7.07 3.97	7.16 4.13	6.82 4.42	6.98 5.10	4
5	5.89 4.16	7.00 5.03	6.84 4.59	12.25 11.79	16.21 A 15.76 A	13.43 13.00	6.65 4.72	7.08 4.49	7.48 4.43	7.23 4.37	6.49 4.21	6.65 4.70	5
6	6.24 4.14	6.93 4.93	7.11 4.63	11.32 10.72	16.01 A 15.61 A	13.14 12.65	6.97 4.84	7.27 4.45	7.41 4.21	6.97 4.11	6.25 4.17	6.80 4.70	6
7	6.30 4.23	7.33 5.14	7.51 5.09	10.52 9.44	15.77 A 15.44 A	13.09 12.62	7.12 4.58	6.93 4.14	6.96 3.93	6.71 4.02	6.36 4.21	7.13 4.66	7
8	6.51 4.50	7.61 5.59	7.94 4.78	10.34 8.65	15.55 15.23	13.06 12.59	6.82 4.25	7.13 4.31	6.82 3.81	6.53 4.04	6.37 4.06	7.34 4.76	8
9	6.50 4.34	7.80 5.34	8.05 4.97	10.57 8.56	15.39 15.03	13.19 12.57	6.82 4.21	6.92 4.17	6.04 3.57	6.24 4.09	6.71 4.32	7.39 4.82	9
10	6.53 4.63	7.91 5.37	8.40 5.01	10.07 8.62	15.13 14.72	13.43 12.92	6.77 4.25	6.74 4.06	5.87 3.49	6.37 3.91	7.04 4.37	7.49 4.97	10
11	6.44 4.14	7.88 5.28	8.21 5.22	10.68 8.94	14.88 14.48	13.63 13.16	6.44 3.73	6.26 4.05	5.98 3.54	6.47 3.98	7.41 4.48	6.38 5.10	11
12	7.10 4.45	7.76 5.16	8.04 5.31	11.56 10.13	14.73 14.38	13.70 13.29	5.95 3.71	5.81 3.90	4.95 3.56	6.76 4.23	5.86 4.67	7.70 5.53	12
13	7.57 4.76	7.47 4.97	7.58 5.27	NR NR	14.70 14.32	13.48 13.00	6.71 4.68	3.75 3.81	6.06 4.14	5.12 4.23	7.59 4.63	8.10 5.63	13
14	7.46 4.96	7.36 4.71	8.22 5.51	NR NR	14.54 14.33	13.06 12.43	6.24 3.48	5.85 3.84	6.59 4.04	7.06 4.37	7.70 4.63	7.58 5.31	14
15	7.89 4.79	7.19 4.75	8.63 7.19	NR NR	14.68 14.39	12.46 11.68	5.41 3.56	5.99 4.08	6.51 3.93	7.54 4.62	7.82 4.79	7.23 5.24	15
16	7.76 5.14	6.65 4.81	8.87 7.51	NR NR	14.66 14.32	11.74 11.01	5.68 3.71	6.29 4.28	6.85 3.99	7.76 4.42	7.71 4.77	7.13 5.22	16
17	7.48 5.05	6.14 4.42	8.70 7.21	NR NR	14.56 14.33	11.21 10.08	5.75 3.89	6.59 4.51	7.15 4.03	7.49 4.18	7.54 4.77	7.19 5.17	17
18	7.10 5.00	6.12 4.22	8.40 6.74	NR NR	14.52 14.22	10.30 9.05	5.87 3.80	6.90 4.53	7.20 3.94	7.59 4.31	7.31 4.79	7.54 5.15	18
19	6.74 4.82	6.22 4.17	9.04 7.10	NR NR	14.34 14.20	9.52 8.43	5.86 3.73	7.03 4.32	7.25 3.94	7.52 4.31	7.04 4.76	7.57 5.32	19
20	6.42 4.68	6.66 4.40	9.28 7.43	NR NR	14.24 14.01	9.23 8.49	5.65 3.38	6.91 4.01	7.56 4.22	7.39 4.40	7.00 4.65	7.60 5.23	20
21	6.71 4.75	7.09 4.69	10.46 7.50	NR NR	13.98 13.72	8.89 7.88	6.13 3.65	7.03 4.03	7.53 4.25	7.15 4.37	7.13 4.65	6.98 5.12	21
22	7.04 5.01	7.24 5.07	10.36 8.89	NR NR	13.72 13.46	8.24 7.09	6.10 3.37	7.20 4.04	7.29 4.17	6.75 4.20	7.15 4.79	6.66 4.67	22
23	7.17 5.14	7.09 4.65	11.31 9.40	20.10 A 19.53 A	13.45 13.16	7.98 6.70	6.10 3.30	7.19 3.93	7.36 4.42	6.88 4.35	7.06 4.65	6.69 4.41	23
24	7.30 5.14	7.07 4.49	13.80 A 11.00 A	20.14 A 19.92 A	13.16 12.77	7.88 6.45	6.28 3.34	7.10 4.02	6.62 3.98	7.02 4.47	7.03 4.39	5.86 4.43	24
25	7.26 5.08	7.09 4.45	15.51 A 13.82 A	20.01 19.85	12.87 12.55	7.90 6.28	6.57 3.75	7.69 4.51	6.33 3.78	7.09 4.54	5.80 4.34	6.44 4.26	25
26	7.44 4.92	7.00 4.46	15.67 A 15.21 A	19.68 A 19.04 A	12.84 12.35	7.94 5.80	6.78 3.80	7.14 4.35	5.72 4.00	7.30 4.53	7.07 4.45	6.35 4.27	26
27	7.44 4.99	6.94 4.45	15.71 A 15.39 A	19.14 A 18.76 A	12.30 11.58	7.29 5.31	6.70 3.82	6.64 4.00	6.87 4.06	5.86 4.49	6.94 4.49	6.41 4.42	27
28	7.16 4.92	6.73 4.43	15.63 15.33	18.77 A 18.09 A	11.79 11.00	7.39 5.20	5.92 3.30	6.15 3.53	6.80 4.21	7.44 4.46	7.21 4.73	6.47 4.57	28
29	6.98 4.72	6.39 4.37	15.43 15.13	18.08 A 17.51 A		7.22 5.13	5.67 3.61	6.06 3.48	6.92 3.91	7.33 4.32	7.34 4.96	6.46 4.69	29
30	6.71 4.60	5.99 4.26	14.63 14.45	17.58 A 17.20 A		7.02 4.84	5.67 3.73	6.14 3.54	6.87 3.82	7.29 4.33	7.44 5.03	6.52 4.72	30
31	6.48 4.48		14.59 14.28	17.27 A 16.90 A		6.80 4.79		6.32 3.78		7.27 4.33	7.04 4.82		31
MAXIMUM	7.89	7.91	15.71	NR	16.96	13.70	7.12	7.69	7.56	7.76	7.82	8.10	MAXIMUM
MINIMUM	4.03	4.17	4.11	NR	11.00	4.79	3.30	3.48	3.49	3.91	4.06	4.26	MINIMUM

E- Estimated
NR- No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

A Tidal action affected by flow. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 21 02	121 31 56	SW 22 6N 4E		20.57	12-25-1964		AUG 1939-DATE	1939		0.00	USED
								1939		-3.02	USCGS
									1964	-3.40	USCGS
								1964		-3.00	USCGS

Station located 0.2 mile above head of Slough (leveed off from river), west of State Highway 160, 2.5 miles northeast of Courtland. Station located in tidal zone. Maximum gage height listed does not necessarily indicate maximum discharge. At times, tidal fluctuation is influenced by operation of the Delta Cross Channel gates.

TABLE 8-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER AT WALNUT GROVE

in feet

STATION NO	WATER YEAR
B91650	1970

DATE	OCT.	NOV.	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	4.02 0.92	2.96 0.41	2.87 0.22	7.66 6.71	9.57 A 8.87 A	6.69 4.94	3.23 0.39	2.67 -0.09	3.77 0.41	3.95 0.21	4.04 0.50	3.51 0.84	1
2	3.35 0.90	2.88 0.41	2.89 0.22	7.28 6.15	9.47 8.80	6.60 5.29	3.34 0.54	2.84 0.14	3.98 0.34	3.96 0.19	3.82 0.42	3.36 0.90	2
3	2.79 0.31	3.06 0.46	3.31 0.47	7.05 5.72	9.45 8.49	7.00 5.84	3.37 0.63	3.17 0.30	4.14 0.45	4.06 0.30	3.74 0.57	3.44 0.98	3
4	3.08 0.10	3.35 0.59	3.54 0.77	7.07 5.38	9.43 8.34	7.79 6.18	3.22 0.56	3.62 0.62	4.07 0.37	4.06 0.38	3.68 0.68	3.69 1.23	4
5	2.69 0.24	3.71 1.15	3.67 0.69	6.79 4.79	9.19 8.64	7.59 6.03	3.33 0.65	3.88 0.56	4.43 0.81	4.13 0.64	3.32 0.48	3.41 0.89	5
6	3.03 0.25	3.65 1.03	3.94 0.69	6.38 4.94	8.98 8.11	7.28 5.89	3.67 0.78	4.07 0.51	4.36 0.59	3.86 0.39	3.09 0.49	3.54 0.75	6
7	3.11 0.37	3.99 1.19	4.34 0.85	6.09 3.59	8.73 7.97	7.23 5.93	3.87 0.54	3.76 0.21	3.92 0.34	3.61 0.35	3.18 0.53	3.88 0.71	7
8	3.31 0.70	4.30 1.20	4.78 1.86	6.14 3.40	8.45 7.79	7.20 6.01	3.58 0.24	3.95 0.37	3.74 0.19	3.44 0.42	3.22 0.40	4.11 0.81	8
9	3.31 0.72	4.50 1.77	4.88 0.98	6.48 3.41	8.41 7.60	7.30 5.93	3.62 0.21	3.78 0.31	2.99 -0.07	3.14 0.52	3.56 0.60	4.10 0.81	9
10	3.39 0.71	4.62 1.24	5.30 0.99	5.71 3.66	8.30 7.41	7.49 6.18	3.59 0.30	3.56 0.16	2.79 -0.16	3.29 0.38	3.88 0.61	4.17 0.83	10
11	3.28 0.38	4.63 1.15	5.06 1.29	5.82 3.57	8.15 7.23	7.48 6.29	3.25 -0.20	3.08 0.10	2.87 -0.13	3.39 0.47	4.29 0.71	2.93 0.95	11
12	3.89 0.58	4.51 1.04	4.89 1.36	6.06 4.26	8.06 7.14	7.40 6.27	2.81 -0.17	2.49 -0.17	1.79 -0.05	3.67 0.80	2.69 0.88	4.36 1.39	12
13	4.36 0.81	4.25 0.86	4.36 1.34	6.76 5.07	8.06 7.12	7.14 6.09	3.57 0.95	2.47 -0.25	1.95 0.52	2.00 0.59	4.45 0.82	4.73 1.45	13
14	4.26 0.99	4.17 0.68	4.24 1.36	7.96 6.23	7.72 6.97	6.79 5.73	3.08 -0.39	2.56 -0.19	3.50 0.54	3.98 0.69	4.57 0.81	4.20 1.13	14
15	4.66 0.80	3.98 0.80	4.47 2.37	8.56 7.55	7.74 7.00	6.26 5.17	2.26 -0.23	2.70 0.12	3.45 0.25	4.46 0.90	4.70 0.97	3.85 1.09	15
16	4.54 1.15	3.39 0.83	4.78 2.69	9.70 A 8.17 A	7.88 7.10	5.83 4.73	2.54 -0.05	3.03 0.46	3.78 0.29	4.61 0.70	4.56 0.93	3.74 1.13	16
17	4.22 0.99	2.89 0.37	4.76 2.58	11.09 A 9.74 A	7.80 6.92	5.53 4.12	2.62 0.16	3.37 0.67	4.07 0.31	4.41 0.46	4.39 0.95	3.83 1.12	17
18	3.79 0.89	2.86 0.20	4.61 2.21	11.56 A 10.37 A	7.67 6.85	5.05 3.43	2.73 0.09	3.73 0.69	4.16 0.22	4.52 0.61	4.13 0.99	4.19 1.05	18
19	3.42 0.68	2.98 0.21	5.34 2.59	11.78 A 10.61 A	7.48 6.73	4.69 3.12	2.75 0.12	3.85 0.54	4.20 0.25	4.43 0.57	3.87 1.01	4.25 1.21	19
20	3.08 0.56	3.44 0.54	5.54 2.79	11.17 A 10.18 A	7.59 6.89	4.74 3.03	2.57 -0.28	3.83 0.19	4.52 0.55	4.31 0.69	3.82 0.90	4.26 1.15	20
21	3.41 0.69	3.91 0.76	6.31 4.13	10.87 A 10.15 A	7.46 6.66	4.48 2.52	3.06 -0.01	3.94 0.24	4.47 0.56	4.06 0.65	3.94 0.96	3.66 1.00	21
22	3.77 1.03	4.08 0.73	5.88 3.63	11.37 A 10.18 A	7.13 6.49	4.15 2.25	3.05 -0.30	4.13 0.26	4.26 0.48	3.62 0.47	3.96 1.13	3.37 0.55	22
23	3.89 1.18	3.92 0.70	6.40 3.77	12.18 A 11.10 A	6.95 6.28	4.06 2.16	3.05 -0.36	4.12 0.14	4.27 0.73	3.75 0.70	3.88 0.82	3.43 0.42	23
24	4.04 1.25	3.89 0.52	7.27 4.79	12.15 A 11.68 A	6.84 6.04	4.05 1.97	3.26 -0.31	4.05 0.26	3.55 0.33	3.91 0.86	3.88 0.57	2.61 0.46	24
25	4.00 1.10	3.91 0.45	8.41 6.45	12.05 A 11.59 A	6.76 5.89	4.18 1.83	3.52 0.00	4.62 0.77	3.25 0.18	3.98 1.00	3.94 0.53	3.19 0.33	25
26	4.19 0.89	3.81 0.47	8.41 7.38	11.61 A 11.08 A	6.74 5.76	4.27 1.25	3.73 0.02	4.02 0.63	3.77 0.45	4.16 0.83	2.67 0.61	3.11 0.36	26
27	4.19 0.98	3.76 0.47	8.25 7.48	11.41 A 10.86 A	6.62 5.30	3.58 0.81	3.66 0.04	3.55 0.34	2.35 0.59	2.72 0.77	3.81 0.58	3.16 0.51	27
28	3.91 0.89	3.54 0.47	8.23 7.45	10.85 A 10.28 A	6.47 4.98	3.92 0.83	2.86 -0.46	2.73 -0.05	3.72 0.63	4.33 0.72	3.99 0.78	3.22 0.68	28
29	3.74 0.67	3.18 0.43	8.14 7.31	10.29 A 9.76 A		3.81 0.82	2.55 -0.29	3.03 -0.04	3.88 0.22	4.21 0.57	4.10 1.04	3.20 0.82	29
30	3.45 0.56	2.77 0.31	7.83 7.04	10.10 A 9.53 A		3.60 0.53	2.47 -0.20	3.11 0.07	3.79 0.09	4.18 0.58	4.15 1.08	3.31 0.91	30
31	3.18 0.45		7.61 6.79	9.86 A 9.26 A		3.30 0.39		3.29 0.12		4.15 0.58	3.77 0.89		31
MAXIMUM	4.66	4.63	8.41	12.18	9.57	7.79	3.87	4.62	4.52	4.61	4.70	4.73	MAXIMUM
MINIMUM	0.10	0.20	0.22	3.40	4.98	0.39	-0.46	-0.25	-0.16	0.19	0.40	0.33	MINIMUM

E– Estimated
NR– No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B &M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT	DATE			FROM	TO		
38 14 22	121 30 57	SW 35 5N 4E		12.24	12-25-1964		FEB 1929-DATE	1929	1931	0.00	USED
								1931	1940	0.33	USED
								1940		0.00	USCGS
								1940		2.84	USED
									1964	-0.69	USCGS
								1964		0.00	USCGS

Station located at head of Georgiana Slough, immediately southwest of Walnut Grove. Station located in tidal zone. At times, tidal fluctuation is influenced by operation of the Delta Cross Channel gates.

TABLE 8-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

YOLO BYPASS NEAR LISBON

in feet

STATION NO	WATER YEAR
391560	1970

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.92 2.47	5.88 1.95	5.78 1.88	NR NR	21.36 A 20.51 A	12.02 A 11.88 A	6.48 2.26	5.71 1.70	6.82 2.29	6.74 2.12	6.95 2.14	6.53 2.61	1
2	6.22 2.47	5.76 2.00	5.77 1.98	NR NR	20.51 A 19.58 A	12.00 A 11.94 A	6.59 2.50	5.91 1.99	6.98 2.16	6.75 1.76	6.70 2.07	6.42 2.63	2
3	5.65 1.76	5.93 2.09	6.11 2.30	NR NR	19.58 A 19.01 A	11.97 A 11.84 A	6.61 2.37	6.26 2.05	7.18 2.32	6.96 1.91	6.72 2.36	6.46 2.77	3
4	5.98 1.70	6.22 2.34	6.30 2.51	NR NR	19.00 A 18.46 A	11.83 A 11.71 A	6.53 2.39	6.68 2.49	7.11 2.22	6.95 2.01	6.67 2.63	6.71 3.15	4
5	5.67 1.88	6.55 2.96	6.46 2.34	NR NR	18.45 A 17.85 A	11.80 A 11.77 A	6.60 2.51	7.00 2.52	7.50 2.92	7.07 2.42	6.31 2.29	6.27 2.43	5
6	6.01 1.83	6.55 2.73	6.74 2.28	NR NR	17.84 A 17.35 A	11.80 A 11.78 A	6.91 2.68	7.09 2.20	7.35 2.57	6.89 2.12	6.02 2.26	6.45 2.54	6
7	6.06 1.92	6.89 2.84	7.15 3.42	NR NR	17.34 A 16.90 A	11.82 A 11.77 A	7.02 2.23	6.69 1.85	7.02 2.47	6.52 2.03	6.09 2.38	6.83 2.56	7
8	6.30 2.44	7.01 3.38	7.58 2.46	NR NR	16.89 A 16.33 A	11.79 A 11.75 A	6.67 2.01	6.89 2.16	6.96 2.19	6.36 2.24	6.04 2.15	7.02 2.76	8
9	6.31 2.33	7.22 2.56	7.69 2.51	9.30 5.76	16.32 A 15.79 A	11.78 A 11.58 A	6.69 2.04	6.81 2.32	6.03 1.95	6.17 2.55	6.39 2.44	6.99 2.58	9
10	6.25 2.48	7.36 2.64	7.87 2.55	9.60 6.42	15.79 A 15.42 A	11.58 A 11.30 A	6.60 2.23	6.62 2.10	5.86 1.69	6.26 2.39	6.66 2.52	5.77 2.47	10
11	6.28 1.63	7.27 2.50	7.69 2.57	10.62 A 9.49 A	15.42 A 15.08 A	11.30 A 11.05 A	6.25 1.50	6.11 2.06	5.72 1.82	6.31 2.46	5.21 2.51	7.06 2.44	11
12	6.86 2.16	7.24 2.33	7.47 2.66	11.37 A 10.61 A	15.08 A 14.77 A	11.05 A 10.78 A	5.76 1.76	5.52 1.54	5.77 1.67	6.54 2.83	7.04 2.72	7.22 3.21	12
13	7.27 2.45	7.02 2.26	6.96 2.50	11.53 A 11.38 A	14.76 A 14.60 A	10.77 A 10.48 A	6.58 2.89	5.45 1.49	5.82 2.49	4.93 2.44	7.30 2.56	7.73 2.86	13
14	7.10 2.48	7.03 2.16	6.55 2.33	11.91 A 11.50 A	14.77 A 14.64 A	10.61 A 10.44 A	6.10 1.58	5.50 1.48	6.39 2.54	6.76 2.58	7.40 2.48	7.05 2.40	14
15	7.62 2.30	6.87 2.46	6.46 2.30	15.58 A 11.92 A	14.91 A 14.77 A	10.88 A 10.62 A	5.38 1.72	5.61 1.86	6.36 2.16	7.30 2.87	7.60 2.68	6.75 2.43	15
16	7.46 2.78	6.33 2.43	6.74 2.43	18.74 A 15.64 A	14.96 A 14.81 A	10.79 10.66	5.69 1.87	5.96 2.32	6.66 2.36	7.56 2.42	7.48 2.59	6.61 2.57	16
17	7.06 2.55	5.68 1.85	6.86 2.68	21.06 A 18.77 A	14.89 A 14.65 A	10.87 10.48	5.81 2.20	6.36 2.55	7.12 2.42	7.28 2.08	7.31 2.63	6.68 2.60	17
18	6.63 2.35	5.73 1.68	6.86 2.62	22.16 A 21.08 A	14.70 A 14.60 A	10.52 10.15	5.96 2.28	6.78 2.66	7.16 2.15	7.32 2.17	7.08 2.70	7.06 2.60	18
19	5.97 2.07	5.87 1.77	7.94 3.52	22.15 A 21.90 A	14.61 A 14.35 A	10.19 A 9.87 A	6.03 2.11	7.01 2.76	7.18 2.18	7.28 2.07	6.84 2.69	7.12 2.90	19
20	6.31 1.99	6.34 2.23	8.28 4.45	21.89 A 21.33 A	14.35 A 14.01 A	9.90 9.44	5.82 1.65	6.95 1.99	7.52 2.56	7.18 2.40	6.76 2.63	7.07 2.77	20
21	6.28 2.18	6.75 2.39	9.20 4.06	21.41 A 21.29 A	14.01 A 13.59 A	9.00 8.34	6.27 1.89	6.93 1.91	7.45 2.65	7.01 2.38	6.81 2.70	6.51 2.63	21
22	6.65 2.57	6.91 3.26	8.90 6.00	22.74 A 21.40 A	13.58 A 13.18 A	8.48 7.50	6.22 1.61	7.15 2.03	7.20 2.46	6.54 2.14	6.83 3.06	6.30 2.24	22
23	6.76 2.68	6.80 2.27	9.30 7.46	23.08 A 22.75 A	13.17 A 12.83 A	8.14 6.97	6.27 1.56	7.12 1.78	7.35 2.91	6.73 2.52	6.73 2.70	6.37 2.18	23
24	6.91 2.85	6.76 2.10	9.48 7.97	23.74 A 22.88 A	12.82 A 12.55 A	7.92 6.23	6.41 1.65	7.06 2.04	6.61 2.36	6.79 2.79	6.80 2.40	5.49 2.17	24
25	6.88 2.67	6.83 2.01	11.48 A 8.86 A	23.90 A 23.74 A	12.55 A 12.33 A	7.68 5.63	6.64 2.22	7.69 2.80	5.92 2.28	6.77 2.99	5.60 2.48	6.03 1.96	25
26	7.01 2.34	6.71 2.08	15.48 A 11.52 A	23.87 A 23.44 A	12.33 A 12.17 A	7.53 4.37	6.81 2.26	7.21 2.78	6.35 2.87	5.49 2.76	6.87 2.44	6.10 2.11	26
27	7.00 2.43	6.65 2.08	16.11 A 15.50 A	23.49 A 23.15 A	12.17 A 12.02 A	6.86 2.87	6.67 1.98	6.76 2.43	6.77 2.91	6.96 2.63	6.78 2.25	6.16 2.34	27
28	6.69 2.33	6.39 2.11	16.13 A 15.88 A	23.18 A 22.77 A	12.03 A 11.89 A	7.15 3.02	5.83 1.49	6.33 2.07	6.64 2.84	7.20 2.58	6.88 2.38	6.20 2.39	28
29	6.58 2.10	6.11 2.06	15.87 A 15.38 A	22.76 A 22.22 A		6.84 2.75	5.53 1.51	6.27 2.00	6.70 2.19	7.09 2.34	6.99 2.79	6.20 2.52	29
30	6.32 2.07	5.72 2.01	15.38 A 14.87 A	22.22 A 21.95 A		6.38 2.22	5.56 1.55	6.31 2.11	6.62 2.04	7.07 2.34	7.15 2.83	6.29 2.66	30
31	6.11 2.00		NR NR	21.96 A 21.37 A		6.19 2.13		6.42 1.94		7.09 2.34	6.82 2.69		31
MAXIMUM	7.62	7.36	NR	23.90	21.36	12.02	7.02	7.69	7.52	7.56	7.60	7.73	MAXIMUM
MINIMUM	1.63	1.68	1.88	NR	11.89	2.13	1.49	1.48	1.67	1.76	2.07	1.96	MINIMUM

E- Estimated
NR- No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

A Tidal action affected by flow. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 28 30	121 35 14	SE 1 7N 3E					FEB 1959-DATE	1959	1962	0.43	USED
								1962		0.00	USED
								1962		-3.04	USCGS
									1964	-3.39	USCGS
								1964		-3.00	USCGS

Station located in West Cut, 6.9 miles south of U. S. Highway 40, 3.2 miles northwest of Clarksburg. Station located in tidal zone. Maximum gage height listed does not necessarily indicate maximum discharge.

TABLE 8-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER AT RIO VISTA

in feet

STATION NO	WATER YEAR
B91210	1970

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.70 2.33	5.70 1.80	5.68 1.80	6.50 3.00	7.88 4.90	7.62 3.50	5.91 1.20	5.54 1.30	6.94 1.80	7.02 1.58	7.04 2.00	6.38 2.30	1
2	6.10 2.40	5.64 1.90	5.68 1.90	6.40 2.50	7.82 4.40	7.26 2.78	6.08 1.40	5.78 1.68	7.14 1.78	7.00 1.50	6.82 1.90	6.22 2.48	2
3	5.56 1.78	5.84 2.01	6.18 2.30	6.88 2.36	7.98 4.28	7.20 2.60	6.14 1.66	6.16 1.68	7.32 1.90	7.12 1.68	6.70 2.18	6.20 2.66	3
4	5.86 1.66	6.14 2.24	6.42 2.40	7.36 2.20	8.50 4.48	8.24 3.20	6.00 1.70	6.66 2.02	7.26 1.80	7.10 1.84	6.64 2.34	6.52 3.08	4
5	5.84 1.84	6.54 2.98	6.54 2.14	7.38 1.90	8.42 4.20	7.84 2.90	6.18 1.94	6.80 1.70	7.58 2.30	7.14 2.10	6.24 2.16	6.26 2.58	5
6	5.90 1.74	6.48 2.58	6.84 2.04	7.44 1.80	8.12 3.96	7.40 2.68	6.50 2.06	7.02 1.60	7.32 2.00	6.80 1.90	5.96 2.26	6.40 2.28	6
7	5.96 1.80	6.80 2.50	7.30 2.12	7.78 2.01	7.70 3.80	7.36 3.00	6.70 1.68	6.68 1.30	6.94 1.92	6.58 2.00	6.10 2.40	6.70 2.20	7
8	6.14 2.28	7.10 2.30	7.72 2.10	8.10 2.56	7.34 3.80	7.26 3.22	6.46 1.38	6.78 1.50	6.74 1.80	6.34 2.20	6.20 2.44	6.94 2.44	8
9	6.14 2.30	7.34 2.34	7.80 2.01	8.56 4.60	7.34 3.78	7.40 3.44	6.50 1.38	6.62 1.50	5.90 1.50	6.14 2.44	6.54 2.48	6.90 2.30	9
10	6.32 2.14	7.48 2.18	7.90 4.60	7.56 2.76	7.46 3.90	7.58 3.28	6.42 1.40	6.34 1.44	5.70 1.56	6.32 2.40	6.82 2.40	6.98 2.10	10
11	6.20 1.90	7.42 4.00	7.72 2.01	6.98 2.44	7.42 4.00	7.38 3.00	6.00 1.04	5.80 1.40	5.86 1.60	6.44 2.70	7.20 2.50	7.20 2.20	11
12	6.82 2.10	7.34 2.06	7.50 2.18	6.86 2.40	7.44 4.20	7.14 2.78	5.62 1.20	5.28 1.10	5.98 1.94	6.70 2.90	7.42 2.58	6.50 2.64	12
13	7.24 3.48	7.04 1.88	6.94 2.10	7.12 2.68	7.50 3.98	6.74 2.60	6.24 2.60	5.38 1.14	6.52 2.50	6.94 2.50	7.58 2.38	7.58 2.50	13
14	7.16 2.20	7.00 1.78	6.44 2.02	7.80 3.34	6.86 3.28	6.50 2.70	5.14 1.10	5.54 1.30	6.50 2.30	7.44 2.48	5.74 2.20	7.00 2.20	14
15	7.56 2.00	6.74 2.12	6.40 2.01	7.36 3.24	6.70 3.14	6.06 2.34	5.02 1.40	5.56 1.70	4.84 1.90	7.54 2.50	7.74 2.30	6.70 2.20	15
16	7.34 2.40	6.14 2.10	6.78 2.28	8.32 4.28	7.14 3.96	5.98 2.30	5.46 1.60	5.92 2.26	6.90 1.80	7.58 2.14	7.62 2.20	6.58 2.40	16
17	7.00 2.22	5.72 1.58	6.92 2.66	7.92 4.38	7.14 3.20	5.64 1.88	5.54 1.80	6.30 2.20	7.18 1.70	7.50 1.88	7.44 2.30	6.68 2.30	17
18	6.54 2.06	5.66 1.50	6.90 2.30	8.00 4.60	6.70 2.82	5.41 1.60	5.66 1.74	6.68 2.20	7.28 1.50	7.68 2.01	7.14 2.42	7.00 3.00	18
19	6.18 1.80	5.80 1.70	7.76 2.90	8.44 5.40	6.34 2.70	5.82 1.80	5.68 1.90	6.82 1.98	7.38 1.58	7.58 1.88	6.84 2.50	7.04 2.40	19
20	6.16 1.70	6.34 1.98	7.98 2.80	8.30 5.20	6.90 3.08	6.20 2.20	5.54 1.20	6.84 1.44	7.72 1.94	7.44 2.10	6.80 2.56	7.02 2.40	20
21	6.16 1.90	6.82 2.08	8.34 2.80	8.54 5.54	6.90 3.10	6.10 2.30	6.16 1.48	6.96 1.40	7.64 1.92	7.10 2.08	6.94 2.80	6.46 2.28	21
22	6.56 2.40	6.98 1.94	7.44 2.20	8.38 5.70	6.48 3.00	6.12 2.46	6.16 1.08	7.18 1.48	7.38 1.88	6.60 1.98	6.94 2.80	6.16 1.80	22
23	6.72 2.50	6.78 1.70	7.70 2.70	9.10 6.90	6.24 3.10	6.20 2.40	6.22 0.90	7.14 1.30	7.30 2.10	6.80 2.40	6.84 2.40	6.24 1.80	23
24	6.88 2.30	6.76 1.60	7.52 2.48	8.72 6.50	6.40 3.40	6.34 2.21	6.38 1.00	7.08 1.50	6.50 1.84	6.94 2.80	6.80 2.20	6.04 1.90	24
25	6.84 2.01	6.76 3.88	7.68 5.10	8.44 6.40	6.64 3.40	6.56 2.08	6.56 1.30	7.60 2.10	6.40 1.90	7.02 2.98	6.84 2.14	5.44 1.70	25
26	7.02 2.10	6.60 1.68	6.96 2.74	8.12 6.60	6.64 3.20	6.71 2.01	6.70 1.30	6.94 1.90	6.82 2.40	7.18 2.64	6.74 2.18	5.96 1.80	26
27	7.00 3.80	6.54 1.74	6.04 2.48	8.50 6.68	6.92 3.20	6.26 1.61	6.56 1.26	6.46 1.86	6.88 2.60	7.28 2.50	5.48 2.04	6.00 2.02	27
28	6.70 2.04	6.30 1.80	5.94 2.20	7.72 6.24	7.12 3.40	6.64 1.70	5.70 0.80	6.18 1.60	6.94 2.28	7.18 2.30	6.88 2.18	6.08 2.22	28
29	6.50 1.82	5.90 1.84	6.02 2.38	7.64 5.80		6.51 1.80	5.40 0.96	6.30 1.80	6.82 1.70	5.60 2.10	7.00 2.48	6.06 2.44	29
30	6.18 1.60	5.54 1.80	6.10 2.58	7.92 5.70		6.30 1.50	5.24 1.10	4.90 2.04	6.88 1.50	7.10 2.10	7.02 2.40	6.18 2.50	30
31	5.92 1.74		6.18 2.74	7.94 5.44		6.04 1.21		6.52 1.70		7.14 2.08	6.60 2.34		31
MAXIMUM	7.56	7.48	8.34	9.10	8.50	8.24	6.70	7.60	7.72	7.68	7.74	7.58	MAXIMUM
MINIMUM	1.60	1.50	1.80	1.80	2.70	1.21	0.80	1.10	1.50	1.50	1.90	1.70	MINIMUM

E- Estimated
NR- No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 08 42	121 41 30	SW 31 4N 3E		10.2	12-26-1955		1925-DATE	1925		0.00	USED
								1961		-0.57	USED
								1961		-3.63	USCGS
									1964	-3.80	USCGS
								1964		-3.00	USCGS

Station located on dock at U. S. Engineers Transportation Depot, 1.1 miles below State Highway 12 bridge. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge.

TABLE 8-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER AT COLLINSVILLE

in feet

STATION NO	WATER YEAR
B91110	1970

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.04 1.88	5.14 1.49	5.04 1.53	5.80 2.55	6.79 3.38	6.99 2.87	5.34 1.46	4.56 0.96	6.23 1.53	4.53 1.33	6.13 1.70	5.66 1.97	1
2	5.51 1.99	5.03 1.61	5.05 1.65	5.70 2.03	6.93 2.88	6.60 2.12	5.48 1.46	5.13 1.32	6.36 1.42	6.14 1.28	5.94 1.66	5.50 2.11	2
3	5.02 1.48	5.20 1.70	5.53 2.06	6.19 1.88	7.22 2.77	6.53 1.91	5.58 1.27	5.51 1.35	6.55 1.51	6.26 1.48	5.64 1.64	5.48 2.25	3
4	5.26 1.43	5.49 1.89	5.76 2.17	6.67 1.79	7.81 3.02	7.47 2.53	5.38 1.36	5.97 1.45	6.50 1.39	6.24 1.58	5.77 1.92	5.75 2.64	4
5	5.24 1.49	5.93 2.68	5.89 1.87	6.69 1.47	7.76 2.81	7.13 2.26	5.56 1.57	6.15 1.28	6.70 1.68	6.24 1.76	5.40 1.86	5.60 2.26	5
6	5.32 1.43	5.87 2.31	6.20 1.72	6.74 1.45	7.48 2.67	6.72 2.01	5.87 1.58	6.31 1.22	6.50 1.47	5.98 1.60	5.06 1.92	5.71 1.91	6
7	5.11 1.56	6.20 2.29	6.63 1.81	7.09 1.65	7.08 2.63	6.62 2.35	6.07 1.26	6.00 0.89	6.22 1.43	5.72 1.75	5.20 2.07	5.96 1.88	7
8	5.49 1.92	6.53 2.06	7.08 1.87	7.42 2.18	6.74 2.70	6.54 2.60	5.85 0.95	6.08 1.04	6.03 1.42	5.47 1.86	5.36 2.00	6.23 1.97	8
9	5.49 1.99	6.73 2.00	7.13 1.79	7.87 2.84	6.68 3.00	6.63 2.80	5.82 0.94	5.92 1.04	5.30 1.11	5.27 2.06	5.66 2.22	6.15 1.86	9
10	5.73 2.01	6.86 1.88	7.24 1.75	6.87 3.82	6.78 3.29	6.84 2.64	5.74 0.94	5.75 0.99	4.98 1.22	5.40 2.10	5.94 2.11	6.24 1.69	10
11	5.61 1.66	6.85 1.73	7.10 4.14	6.27 2.06	6.75 3.11	6.67 2.40	5.41 0.82	5.15 0.96	5.09 1.28	5.56 2.37	6.22 2.08	6.43 1.73	11
12	6.18 1.80	6.73 1.55	6.84 1.90	6.14 2.05	6.75 3.46	6.43 2.14	5.07 0.86	4.66 0.83	5.33 1.65	5.82 2.48	6.42 2.08	6.83 2.00	12
13	6.57 1.93	6.45 3.83	6.31 1.88	6.39 2.32	6.85 3.13	6.09 2.02	5.48 1.84	4.64 0.84	5.75 2.19	6.06 2.17	6.58 1.96	5.42 2.13	13
14	6.52 3.40	6.35 1.47	5.74 1.74	7.01 2.96	6.26 2.43	5.85 2.00	4.58 0.84	4.93 1.01	5.73 1.93	6.37 2.03	4.88 1.87	6.29 1.84	14
15	6.98 1.71	6.13 1.66	5.69 1.75	6.66 2.84	6.09 2.27	5.39 1.78	4.45 1.01	5.24 1.46	6.11 1.52	6.55 1.93	6.70 1.94	5.98 1.88	15
16	6.67 2.08	5.45 1.80	6.09 2.00	7.55 3.58	6.54 3.03	5.32 1.68	4.81 1.27	5.61 1.92	6.48 1.49	4.65 1.74	6.60 1.90	5.86 2.05	16
17	6.33 1.84	5.11 1.42	6.22 2.40	7.19 3.51	6.46 2.30	5.12 1.51	4.95 1.37	4.68 1.89	4.54 1.32	6.59 1.57	6.45 1.95	5.96 1.92	17
18	5.94 1.68	5.05 1.41	6.23 2.10	7.22 3.64	6.11 1.96	4.82 1.49	5.02 1.32	5.96 1.76	6.48 1.17	6.74 1.71	6.15 2.02	6.23 2.63	18
19	5.54 1.47	5.20 1.45	7.07 2.62	7.57 4.19	5.78 1.86	5.19 1.50	4.98 1.45	6.13 1.47	6.62 1.19	6.64 1.65	5.88 2.18	6.34 2.06	19
20	5.57 1.43	5.72 1.72	7.23 2.51	7.40 3.97	6.27 2.22	5.52 1.66	4.94 0.86	6.19 1.06	6.73 1.58	6.50 1.78	5.94 2.13	6.18 1.93	20
21	5.68 1.63	6.19 1.80	7.54 2.46	7.63 4.24	6.22 2.29	5.40 1.79	5.47 1.07	6.26 1.04	6.68 1.61	6.19 1.76	6.11 2.37	5.78 1.81	21
22	5.89 2.12	6.36 1.68	6.75 1.89	7.45 4.30	5.81 2.20	5.39 1.98	5.56 0.82	6.48 1.09	6.47 1.56	5.76 1.77	6.09 2.27	5.50 1.45	22
23	6.07 2.20	6.18 1.45	6.98 2.30	8.04 5.70	5.56 2.40	5.53 1.98	5.58 0.82	6.47 0.98	6.30 1.72	5.79 2.12	6.00 1.96	5.56 1.44	23
24	6.21 1.98	6.15 1.40.	6.81 2.04	7.56 4.88	5.75 2.81	5.66 1.84	5.71 0.82	6.44 1.21	5.59 1.51	5.95 2.41	6.02 1.72	5.42 1.53	24
25	6.21 1.73	6.16 1.42	6.87 2.20	7.11 5.79	6.02 2.72	5.90 1.70	5.88 0.85	6.69 1.55	5.48 1.63	6.04 2.52	6.03 1.66	5.30 1.46	25
26	6.36 1.74	6.01 1.48	6.21 1.94	6.77 4.98	6.01 2.57	6.04 1.68	6.05 0.89	6.14 1.33	5.80 2.01	6.23 2.21	6.00 1.60	4.82 1.48	26
27	6.33 1.65	5.94 3.99	5.41 1.70	7.15 5.06	6.25 2.62	5.72 1.49	5.92 0.97	5.76 1.41	5.93 2.32	6.36 2.11	6.03 1.56	5.37 1.67	27
28	6.08 1.47	5.70 1.52	5.27 1.66	6.37 4.62	6.51 2.84	6.00 1.50	5.13 0.82	5.44 1.24	6.08 1.84	6.33 1.99	4.91 1.88	5.42 1.89	28
29	5.90 3.88	5.35 1.57	5.32 1.82	6.39 4.28		5.90 1.50	4.83 0.82	5.57 1.50	6.00 1.48	4.74 1.77	6.18 1.95	5.39 2.12	29
30	5.59 1.44	4.90 1.52	5.40 2.02	6.75 4.23		5.75 1.48	4.90 0.84	5.85 1.73	6.13 1.28	6.27 1.76	6.16 1.94	5.46 2.15	30
31	5.34 1.45		5.46 2.26	6.77 3.87		5.50 1.47		4.43 1.43		6.18 1.70	5.90 1.92		31
MAXIMUM	6.98	6.86	7.54	8.04	7.81	7.47	6.07	6.69	6.73	6.74	6.70	6.83	MAXIMUM
MINIMUM	1.43	1.40	1.53	1.45	1.86	1.47	0.82	0.83	1.11	1.28	1.56	1.44	MINIMUM

E- Estimated
NR- No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 04 25	121 51 18	SW 27 3N 1E		9.2	4-6-1958		JUNE 1929-DATE	1929		0.00	USED
								1929		-3.05	USCGS
									1964	-3.54	USCGS
								1964		-3.00	USCGS

Station located 0.4 mile southwest of Collinsville, 3.3 miles northeast of Pittsburg.

TABLE 8-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

STATION NO	WATER YEAR
895820	1970

SAN JOAQUIN RIVER AT MOSSDALE BRIDGE — in feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	NR NR	4.75 4.27	4.47 3.73	5.00 4.09	11.35 A 9.78 A	7.11 6.22	2.99 1.75	2.30 0.88	3.84 1.92	4.08 2.22	3.19 0.43	2.83 0.79	1
2	NR NR	4.89 4.23	4.44 3.22	4.96 4.21	9.75 A 8.89 A	6.92 6.21	3.26 1.21	2.40 0.90	3.93 2.09	3.90 1.49	2.98 0.40	2.67 0.68	2
3	4.62 3.64	4.88 4.26	4.85 4.04	5.07 4.04	8.89 A 8.35 A	7.82 A 6.37 A	3.00 1.62	2.76 0.90	4.32 2.33	3.68 1.32	2.94 0.60	2.82 0.70	3
4	4.58 3.77	4.83 4.21	4.92 4.15	5.07 3.85	8.61 8.03	8.50 7.63	2.69 1.20	3.25 1.17	4.52 2.94	3.61 1.18	2.84 0.68	3.02 0.97	4
5	4.63 3.86	4.94 4.23	4.85 3.99	4.85 3.52	8.66 7.97	8.70 8.08	2.68 1.01	3.44 1.17	5.02 3.25	3.66 1.21	NR NR	2.83 0.97	5
6	4.67 3.97	NR NR	5.00 3.92	4.85 3.35	8.53 8.08	9.21 A 8.35 A	2.92 1.01	3.50 1.10	4.85 3.08	3.44 0.96	NR NR	2.97 0.70	6
7	4.66 4.01	NR NR	5.17 3.79	5.19 3.49	8.27 7.89	9.41 9.05	3.19 1.00	3.36 1.14	4.32 2.33	3.05 0.77	NR NR	3.37 0.71	7
8	4.80 4.04	NR NR	5.36 3.76	5.33 3.69	8.02 7.68	9.43 9.13	2.89 0.87	3.53 1.16	3.88 1.84	2.90 0.66	NR NR	2.24 0.71	8
9	4.61 3.76	NR NR	5.40 3.78	5.47 3.60	7.92 7.55	9.47 9.21	2.85 0.75	3.38 1.26	3.09 1.41	2.62 0.53	NR NR	3.63 0.70	9
10	4.54 3.51	NR NR	5.41 3.74	5.12 4.02	7.89 7.47	9.58 9.24	2.84 0.80	3.40 1.50	2.99 1.65	2.58 0.49	NR NR	3.57 0.57	10
11	4.26 3.24	NR NR	5.24 3.70	4.69 3.74	8.00 7.50	9.32 8.83	2.78 0.63	3.20 1.64	3.13 2.54	2.81 0.40	NR NR	3.62 0.67	11
12	4.44 3.11	NR NR	5.19 3.64	4.47 3.49	8.10 7.58	8.85 8.29	2.49 0.64	2.82 1.60	3.75 2.88	3.73 0.71	3.71 0.52	3.69 1.16	12
13	4.77 3.03	NR NR	4.89 3.69	4.43 3.39	7.96 7.46	8.32 7.34	3.16 1.35	2.75 1.66	3.79 2.47	3.04 0.63	3.69 0.55	4.17 1.37	13
14	4.70 2.97	NR NR	4.32 3.52	5.02 3.43	7.93 7.55	7.46 6.77	2.93 0.91	2.84 1.66	3.85 2.54	3.40 0.72	3.65 0.62	3.49 1.14	14
15	5.07 3.02	NR NR	4.44 3.28	5.11 3.89	7.62 7.40	6.90 6.23	2.12 0.85	2.85 1.68	4.11 2.88	3.81 0.81	3.83 0.70	3.20 1.12	15
16	5.42 3.70	NR NR	4.33 3.15	6.74 A 4.19 A	7.46 7.02	6.38 6.23	2.32 1.29	3.04 1.84	4.16 2.20	3.88 0.78	3.65 0.77	3.09 0.93	16
17	4.64 3.99	NR NR	4.41 3.16	7.45 6.20	7.35 6.98	6.13 5.90	2.30 0.93	3.44 2.32	3.94 1.63	3.62 0.56	3.53 0.87	3.20 0.90	17
18	5.28 3.81	4.48 3.21	4.45 3.19	9.66 A 7.34 A	7.31 6.77	5.57 5.16	2.33 1.02	4.12 2.73	3.84 1.27	3.85 0.71	3.24 0.84	3.46 0.96	18
19	4.95 3.83	4.20 3.57	4.73 3.15	12.17 A 9.68 A	7.26 6.77	5.04 4.58	2.39 0.94	4.29 2.99	3.87 1.09	3.73 0.70	2.99 0.75	3.53 1.15	19
20	4.75 3.88	4.48 3.59	5.10 3.28	12.44 12.11	7.57 6.92	4.85 4.39	2.39 0.90	4.35 2.91	3.94 1.10	3.43 0.76	2.95 0.63	3.59 1.15	20
21	4.69 3.90	4.80 3.62	5.58 3.42	12.64 12.29	7.67 7.19	4.92 4.25	2.61 0.81	4.45 2.86	3.85 1.08	3.17 0.63	3.12 0.72	3.24 1.08	21
22	5.08 4.08	4.99 3.72	4.85 3.41	12.80 A 12.43 A	7.50 7.24	4.72 4.17	2.58 0.61	4.49 2.55	3.66 1.15	2.58 0.27	2.33 0.77	2.24 0.68	22
23	5.22 4.34	4.92 3.68	4.83 3.03	14.91 A 12.79 A	7.25 7.07	4.67 4.01	NR NR	4.21 1.71	3.93 1.79	2.54 0.50	3.13 0.51	3.01 0.58	23
24	5.37 4.40	4.69 3.64	4.80 3.00	15.06 A 14.52 A	7.11 6.75	4.59 3.84	NR NR	3.88 1.38	3.67 2.19	2.82 0.62	3.15 0.38	3.06 0.66	24
25	5.45 4.49	4.57 3.29	5.15 3.08	14.51 A 13.66	6.97 6.55	4.35 3.16	NR NR	4.51 2.09	3.53 1.93	2.98 0.75	3.27 0.45	2.89 0.58	25
26	5.68 4.60	4.71 3.30	4.91 3.47	13.65 A 13.32 A	6.83 6.43	4.18 2.95	NR NR	4.15 2.16	3.47 2.13	3.13 0.61	3.40 0.49	2.69 0.53	26
27	5.77 4.75	4.98 3.68	4.89 3.92	13.35 A 13.20 A	6.91 6.40	3.98 2.28	NR NR	3.71 1.91	3.87 2.28	3.42 0.67	3.19 0.39	2.70 0.76	27
28	5.63 4.79	4.85 3.92	4.79 4.02	13.20 A 13.00 A	6.90 6.22	3.93 1.89	NR NR	3.24 1.65	3.86 2.01	3.69 0.72	3.18 0.55	2.72 0.91	28
29	5.46 4.70	4.66 3.87	4.66 4.03	13.00 A 12.74 A		4.16 1.87	2.58 0.84	3.14 1.64	3.92 2.00	3.47 0.52	3.44 0.85	2.73 1.02	29
30	5.22 4.54	4.48 3.80	4.69 4.03	12.76 A 12.29 A		4.15 1.69	2.31 0.84	3.24 1.93	4.17 2.44	3.34 0.48	3.42 0.86	2.83 1.11	30
31	5.07 4.34		4.74 4.04	12.27 A 11.36 A		3.61 1.37		3.52 2.06		3.20 0.42	3.10 0.81		31
MAXIMUM	NR	NR	5.58	15.06	11.36	9.58	NR	4.51	5.02	4.08	NR	4.17	MAXIMUM
MINIMUM	NR	NR	3.00	3.35	6.22	1.37	NR	0.88	1.08	0.27	NR	0.53	MINIMUM

E- Estimated
NR- No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

A High flows affected the normal tidal pattern. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 47 12	121 18 21	SW 3 2S 6E		24.4	12-10-1950		1920-DATE	1920	1943	5.16	USED
								1943		0.00	USCGS
								1943		3.27	USED
									1964	-0.17	USCGS
								1964		0.00	USCGS

Station located on U. S. Highway 50 bridge, 3.0 miles southwest of Lathrop. Station located in tidal zone. Maximum gage height listed does not necessarily indicate maximum discharge.

TABLE 8-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

STATION NO	WATER YEAR
895740	1970

M JOAQUIN AT BRANDT BRIDGE — in feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	7.05 3.88	6.04 3.66	5.93 3.29	6.62 3.89	9.47 6.50	8.18 5.52	5.67 2.16	5.26 2.14	6.68 2.97	6.84 2.74	6.57 2.57	6.02 2.95	1
2	6.43 3.82	5.98 3.48	5.91 3.30	6.56 3.90	8.86 7.63	7.90 5.33	6.02 2.60	5.41 2.41	6.86 2.92	6.78 2.53	6.35 2.48	5.86 2.95	2
3	5.97 3.56	6.08 3.58	6.36 3.60	7.05 3.66	8.77 7.25	8.03 5.99	5.96 2.60	5.74 2.56	7.16 3.21	6.77 2.57	6.28 2.68	5.90 3.06	3
4	5.63 3.13	6.34 3.71	6.64 3.90	7.42 6.75	9.06 6.54	8.81 6.78	5.66 2.83	6.24 2.97	7.17 3.31	6.74 2.67	6.19 2.73	6.26 3.30	4
5	6.12 3.22	6.65 4.17	6.67 3.72	7.31 3.81	8.97 6.58	8.70 6.61	5.74 2.54	6.43 2.71	7.59 3.79	6.80 2.92	5.77 2.56	5.98 3.24	5
6	6.06 3.28	6.54 4.02	6.98 4.13	7.37 3.54	8.71 6.59	8.56 6.70	6.04 2.79	6.56 2.64	7.43 3.53	6.50 2.62	5.58 2.67	6.08 2.81	6
7	6.10 3.42	6.81 6.14	7.35 3.72	7.66 3.53	8.35 6.43	8.62 6.95	6.35 2.62	6.33 2.44	6.97 3.11	6.27 2.57	5.69 2.69	6.46 2.74	7
8	6.40 3.71	7.27 6.12	7.70 3.78	7.93 3.82	8.03 6.28	8.61 7.15	6.05 2.29	6.54 2.56	6.66 2.73	6.10 2.70	5.74 2.55	6.76 2.86	8
9	6.31 3.75	7.50 6.24	7.77 3.86	8.06 4.07	8.00 6.18	8.67 7.23	6.10 2.27	6.41 2.55	5.89 2.42	5.84 2.75	6.11 2.68	5.19 2.84	9
10	6.53 3.77	7.56 4.24	7.77 3.78	7.53 4.65	8.07 6.18	8.83 7.27	6.11 2.37	6.31 2.50	5.72 2.46	5.21 2.78	6.49 2.68	6.68 2.75	10
11	6.37 3.64	7.62 4.13	7.62 3.77	6.95 4.09	8.10 6.15	8.59 6.80	5.96 2.05	5.92 2.46	5.69 2.73	5.98 2.90	4.99 2.76	6.65 2.86	11
12	6.78 3.37	7.52 4.06	7.47 3.79	6.72 3.90	8.14 6.21	8.31 6.40	5.58 1.98	5.39 2.09	6.03 3.00	6.05 3.09	6.90 2.91	6.76 3.36	12
13	7.21 3.45	7.29 3.90	7.02 3.81	6.84 3.89	8.13 6.13	7.85 5.77	6.20 3.29	5.31 2.16	6.13 3.33	6.30 2.84	7.01 2.85	7.18 3.41	13
14	7.14 3.54	7.26 3.77	6.46 3.62	7.54 4.05	7.85 5.79	7.46 5.39	5.84 1.79	5.37 2.20	6.46 3.22	6.62 2.85	7.04 2.87	6.57 3.13	14
15	7.43 3.37	7.05 3.97	6.34 3.46	7.45 4.40	7.60 5.54	7.02 4.92	4.99 2.06	5.47 2.45	6.48 3.12	7.07 3.01	7.17 3.05	6.25 3.10	15
16	7.54 3.81	6.48 4.03	6.60 3.43	8.54 5.49	7.77 6.54	6.67 4.60	5.23 2.26	5.72 2.91	6.75 2.92	7.15 2.85	7.02 3.03	6.13 3.09	16
17	7.29 3.83	6.11 3.59	6.73 3.59	8.48 6.71	7.74 6.37	6.81 4.49	5.31 2.50	6.09 3.15	6.91 2.69	6.98 2.57	6.67 3.12	6.21 3.09	17
18	6.79 3.69	5.86 3.25	6.79 3.55	8.94 6.49	7.64 5.50	6.15 5.16	5.37 2.46	6.62 3.33	6.92 2.56	7.11 2.75	6.60 3.09	6.54 3.02	18
19	6.02 3.47	5.95 3.18	7.25 4.19	10.41 A 7.74 A	7.33 5.45	6.12 3.83	5.38 2.58	6.76 3.25	6.98 2.52	6.99 2.73	6.32 3.15	6.68 3.22	19
20	6.36 3.41	6.44 3.54	7.63 3.86	10.56 9.53	7.64 5.65	6.31 3.81	5.31 2.14	6.84 3.03	7.20 2.86	6.80 2.84	6.29 3.05	6.70 3.17	20
21	6.35 3.54	6.92 4.05	8.21 4.04	10.87 9.39	7.67 5.69	6.22 3.88	5.80 2.28	6.95 3.07	7.13 2.82	6.54 2.80	6.44 3.18	6.35 3.03	21
22	6.74 3.96	7.08 3.68	7.38 4.17	10.85 9.97	7.32 5.77	6.16 3.97	5.74 1.97	7.12 3.02	6.92 2.77	6.09 2.53	6.46 3.23	6.07 2.54	22
23	6.86 4.18	6.93 3.65	7.44 3.55	12.11 A 10.14 A	7.09 5.62	6.24 3.93	5.79 1.97	7.04 2.77	6.99 3.20	6.25 2.90	6.40 2.86	5.35 2.48	23
24	7.00 4.18	6.90 3.48	7.39 3.78	12.30 11.87	7.12 5.50	6.33 3.78	6.01 2.06	6.88 2.72	6.39 2.99	6.42 3.16	5.07 2.62	6.13 2.60	24
25	6.98 4.13	6.89 3.27	7.69 3.69	11.37 10.98	7.27 5.46	6.49 3.56	6.26 2.42	7.41 3.36	6.09 2.85	5.25 3.23	6.50 2.61	5.90 2.53	25
26	7.21 4.01	6.79 3.26	7.06 4.05	10.89 10.50	7.21 5.30	6.65 3.69	6.54 2.40	6.96 3.23	6.20 3.19	6.51 2.94	6.55 2.66	5.74 2.49	26
27	7.23 4.13	6.78 3.38	6.46 3.96	11.08 10.31	7.47 5.31	6.51 2.99	6.50 2.48	6.42 2.92	6.65 3.42	6.74 2.89	6.39 2.61	5.79 2.68	27
28	7.00 4.10	6.55 3.53	6.26 3.77	10.54 10.07	7.60 5.25	6.62 2.92	5.74 1.97	5.97 2.60	6.65 3.11	6.88 2.80	6.44 2.76	5.80 2.86	28
29	6.78 3.87	6.20 3.49	6.13 3.72	10.42 9.77		6.86 3.02	5.37 2.02	5.93 2.68	6.78 2.77	6.79 2.62	6.61 3.07	5.76 3.05	29
30	6.51 3.67	5.84 3.38	6.22 3.72	10.43 A 9.44 A		6.94 2.80	5.18 2.03	6.06 2.88	6.77 2.81	6.72 2.62	6.58 3.14	5.88 3.22	30
31	6.28 3.50		6.30 3.76	10.05 A 8.74 A		6.40 2.42		6.29 2.84		6.65 2.58	6.29 3.00		31
MAXIMUM	7.54	7.62	6.36	12.30	9.47	8.83	6.54	7.41	7.59	7.15	7.17	7.18	MAXIMUM
MINIMUM	3.13	3.18	3.29	3.53	5.25	2.42	1.79	2.09	2.42	2.53	2.48	2.48	MINIMUM

E- Estimated
NR- No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

A High flows affected the normal tidal pattern. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 51 53	121 19 18	NW 9 1S 6E		19.5	12-10-1950		JULY 40-SEPT 66	1940	1952	-3.61	USCGS
							JAN 68-DATE	1952		-3.79	USCGS
								1952		-0.58	USED
									1964	-3.34	USCGS
								1964		-3.00	USCGS

Station located on Bowman Road between Roberts Island and Reclamation District 17. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge. Maximum of record is maximum recorded stage -- record not complete in December 1955. Station was discontinued October 1, 1966, and reactivated January 2, 1968.

TABLE B-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

STOCKTON SHIP CHANNEL AT BURNS CUTOFF

in feet

STATION NO	WATER YEAR
B95660	1970

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.89 2.67	5.82 2.04	NR NR	6.40 2.86	7.67 4.16	7.78 3.67	5.94 1.53	5.42 1.63	6.76 2.26	6.87 1.91	6.89 2.31	6.22 2.64	1
2	6.27 2.70	5.74 2.14	NR NR	6.33 2.60	7.67 3.69	7.40 2.99	6.06 1.91	5.56 1.94	6.96 2.14	6.86 1.86	6.66 2.21	6.06 2.68	2
3	5.75 2.46	5.90 2.27	NR NR	6.86 2.56	7.86 3.64	7.31 2.94	6.10 2.03	5.92 2.06	7.21 2.44	6.95 2.03	6.58 2.43	6.10 2.84	3
4	5.95 1.96	6.17 2.45	NR NR	7.25 2.61	8.43 5.31	8.12 3.64	5.83 2.06	6.41 2.45	7.19 2.29	6.95 2.19	6.48 2.52	6.50 3.02	4
5	5.95 2.04	6.47 3.13	6.51 2.48	7.21 4.20	8.33 3.96	7.81 3.37	5.95 2.24	6.61 2.17	7.50 2.82	7.02 2.50	6.07 2.38	6.18 2.92	5
6	5.88 2.03	6.37 2.86	6.79 2.46	7.26 2.31	8.00 3.85	7.36 4.08	6.28 2.44	6.78 2.07	7.33 2.50	6.69 2.25	5.84 2.47	6.27 2.48	6
7	5.91 2.19	6.60 2.80	7.20 3.69	7.54 2.26	7.59 3.64	7.26 3.15	6.57 2.12	6.51 1.84	6.89 2.28	6.48 2.28	5.97 2.56	6.66 2.37	7
8	6.18 2.57	7.06 3.59	7.62 2.55	7.89 2.54	7.24 3.57	7.21 3.49	6.26 1.78	6.68 1.96	6.66 1.98	6.31 2.44	6.05 2.46	6.93 2.51	8
9	6.14 2.67	7.30 2.87	7.70 2.64	8.07 2.95	7.25 3.61	7.29 3.67	6.34 1.79	6.57 1.98	5.88 1.83	6.08 2.58	6.40 2.52	6.89 2.46	9
10	6.37 2.88	7.41 2.83	7.68 2.53	7.36 3.61	7.35 3.78	7.50 3.70	6.35 1.95	6.38 1.80	5.73 1.81	6.23 2.64	6.76 2.48	5.55 2.36	10
11	6.22 2.70	7.43 2.71	7.52 2.50	6.78 2.93	7.39 3.80	7.27 3.30	6.13 1.56	5.88 1.80	5.82 1.87	6.31 2.82	7.12 2.54	6.89 2.45	11
12	6.69 2.39	7.34 2.58	7.34 2.59	6.58 2.82	7.37 3.96	7.13 3.04	5.70 1.64	5.36 1.35	5.87 1.99	4.92 2.95	5.51 2.70	7.03 3.00	12
13	7.16 2.52	7.10 2.37	6.86 2.59	6.74 2.94	7.44 3.75	6.82 2.78	6.35 2.97	5.26 1.43	5.98 2.56	4.86 2.68	7.31 2.60	7.40 2.90	13
14	7.09 2.63	NR NR	6.31 2.43	7.46 3.28	7.02 3.12	6.59 2.84	5.92 1.25	5.33 1.50	6.41 2.47	6.87 2.70	7.40 2.53	6.83 2.63	14
15	7.37 2.43	NR NR	6.17 2.40	7.29 3.06	6.77 2.96	6.27 2.49	5.06 1.62	5.47 1.86	6.37 2.13	7.36 2.81	7.55 2.70	6.46 2.63	15
16	7.38 2.76	NR NR	6.52 2.51	8.31 4.35	7.12 3.74	5.99 2.38	5.35 1.81	5.75 2.38	6.70 2.07	7.44 2.65	7.39 2.65	6.36 2.73	16
17	7.12 2.60	NR NR	6.64 2.79	8.03 4.34	7.13 3.12	6.17 2.40	5.45 2.01	6.12 2.45	7.02 2.04	7.35 2.41	7.21 2.73	6.45 2.73	17
18	6.64 2.49	NR NR	6.69 2.63	8.09 4.49	6.94 4.36	5.58 1.94	5.51 2.05	6.52 2.44	7.10 1.95	7.47 2.58	6.93 2.78	6.83 2.57	18
19	5.81 2.21	NR NR	7.30 3.01	8.38 6.04	6.55 2.95	5.80 2.11	5.55 2.14	6.65 2.23	7.21 1.95	7.36 2.47	6.63 2.90	6.91 2.73	19
20	6.19 2.12	NR NR	7.67 3.08	8.21 6.06	6.91 2.84	6.07 2.40	5.43 1.62	6.72 1.89	7.52 2.34	7.20 2.65	6.58 2.82	6.90 2.71	20
21	6.16 2.32	NR NR	8.20 5.02	8.46 4.78	6.90 3.06	5.95 2.48	5.99 1.80	6.86 1.94	7.45 2.33	6.90 2.69	6.74 2.99	6.49 2.54	21
22	6.53 2.82	NR NR	7.30 3.25	8.38 5.35	6.46 3.14	5.90 2.80	5.96 1.50	7.06 2.00	7.22 2.30	6.43 2.34	6.75 2.96	6.16 2.07	22
23	6.65 2.94	NR NR	7.45 2.58	8.97 5.43	6.19 2.99	6.01 2.61	6.00 1.42	7.08 1.94	7.20 2.65	6.57 2.71	6.67 2.54	6.23 2.03	23
24	6.79 3.14	NR NR	7.36 2.95	8.43 7.21	6.35 3.08	6.07 2.50	6.23 1.52	7.04 2.06	6.41 2.27	6.77 3.00	6.73 2.30	5.49 2.16	24
25	6.76 2.79	NR NR	7.59 2.79	7.95 5.98	6.64 3.35	6.33 2.48	6.47 1.92	7.55 2.67	6.22 2.21	6.84 3.02	5.47 2.28	6.01 2.09	25
26	7.00 2.54	NR NR	6.90 3.14	7.59 5.95	6.62 3.20	6.52 2.73	6.68 1.81	6.97 2.51	5.44 2.65	5.38 2.72	6.75 2.34	5.87 2.08	26
27	7.01 2.62	NR NR	6.23 2.83	8.26 5.86	6.92 3.24	6.40 2.11	6.62 1.79	6.37 2.19	6.69 2.83	7.05 2.63	6.63 2.31	5.92 2.24	27
28	6.76 2.55	NR NR	6.00 2.46	7.29 5.53	7.12 3.26	6.61 2.17	5.80 1.33	6.02 1.96	6.70 2.54	7.21 2.50	6.70 2.47	5.93 2.45	28
29	6.56 2.25	NR NR	5.92 2.46	7.26 5.05		6.82 2.31	5.42 1.42	6.01 2.07	6.85 2.07	7.09 2.34	6.87 2.73	5.91 2.67	29
30	6.30 2.10	NR NR	6.01 2.53	7.70 4.91		6.84 2.02	5.27 1.50	6.14 2.27	6.75 1.86	7.03 2.34	6.82 2.78	6.03 2.82	30
31	6.05 2.01		6.09 2.65	7.62 4.64		6.36 1.68		6.35 2.06		6.97 2.31	6.50 2.64		31
MAXIMUM	7.38	NR	NR	8.97	8.43	8.12	6.68	7.55	7.52	7.47	7.55	7.40	MAXIMUM
MINIMUM	1.96	NR	NR	2.26	2.84	1.68	1.25	1.35	1.81	1.86	2.21	2.03	MINIMUM

E- Estimated
NR- No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 57 46	121 21 54	SW 6 1N 6E		10.3	12-26-1955		MAY 1940-DATE	1940	1943	-4.22	USCGS
								1943	1945	-4.39	USCGS
								1945	1946	-4.70	USCGS
								1946	1951	-3.00	USCGS
								1951	″	-3.02	USCGS
									1964	-3.53	USCGS
								1964		-3.00	USCGS

Station located on north end of Rough and Ready Island, approximately 0.4 mile above Burns Cutoff. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge.

TABLE 8-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

STATION NO	WATER YEAR
B95620	1970

SAN JOAQUIN RIVER AT RINDGE PUMP

in feet

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	3.73 -0.36	2.69 -0.98	2.58 -1.00	3.25 -0.17	4.49 1.09	4.62 0.60	2.79 -1.46	2.26 -1.37	3.60 -0.75	3.70 -1.11	3.72 -0.73	3.06 -0.39	1
2	3.12 -0.33	2.59 -0.89	2.57 -0.91	3.18 -0.44	4.51 0.64	4.26 -0.05	2.89 -1.09	2.41 -1.05	3.80 -0.94	3.71 -1.17	3.50 -0.82	2.90 -0.35	2
3	2.60 -0.63	2.79 -0.76	3.00 -0.58	3.69 -0.46	4.74 0.59	4.16 -0.12	2.91 -0.96	2.76 -0.95	4.05 -0.60	3.80 -1.00	3.41 -0.60	2.93 -0.25	3
4	2.82 -1.09	3.00 -0.60	3.24 -0.32	4.09 -0.40	5.26 2.25	4.91 0.58	2.67 -0.93	3.26 -0.57	4.00 -0.73	3.79 -0.87	3.32 -0.51	3.36 -0.01	4
5	2.38 -0.99	3.32 0.09	3.33 -0.54	4.04 -0.70	5.15 0.94	4.63 0.34	2.80 -0.77	3.46 -0.86	4.33 -0.23	3.86 -0.55	2.91 -0.66	3.00 -0.12	5
6	2.74 -1.00	3.23 -0.15	3.63 -0.53	4.09 1.02	4.83 0.80	4.19 1.04	3.14 -0.58	3.64 -0.93	4.17 -0.58	3.53 -0.81	2.68 -0.63	3.11 -0.57	6
7	2.76 -0.83	3.45 -0.19	4.03 -0.45	4.37 -0.73	4.39 0.61	4.08 0.11	3.42 -0.88	3.36 -1.20	3.74 -0.77	3.41 -0.78	2.80 -0.48	3.51 -0.66	7
8	2.98 -0.45	3.88 -0.14	4.47 1.06	4.74 -0.45	4.08 0.56	4.04 0.46	3.13 -1.24	3.54 -1.04	3.52 -1.13	3.15 -0.62	2.89 -0.57	3.78 -0.52	8
9	2.97 -0.35	4.12 0.78	4.34 -0.37	4.94 -0.09	4.08 0.59	4.13 0.63	3.19 -1.21	3.42 -1.05	2.74 -1.21	2.92 -0.46	3.24 -0.51	3.73 -0.58	9
10	3.19 -0.15	4.24 -0.18	4.32 -0.47	4.19 0.61	4.19 0.76	4.33 0.63	3.19 -1.05	3.24 -1.21	2.57 -1.23	3.08 -0.45	3.60 -0.56	2.34 -0.66	10
11	3.04 -0.33	4.27 -0.29	4.37 -0.48	3.62 -0.14	4.21 0.74	4.11 0.06	2.97 -1.46	2.74 -1.23	1.96 -1.21	3.15 -0.29	3.97 -0.48	3.73 -0.57	11
12	3.51 -0.61	4.16 -0.42	4.17 -0.40	3.44 -0.19	4.24 0.94	3.97 -0.03	2.57 -1.43	2.20 -1.65	2.70 -1.02	1.76 -0.15	2.35 -0.33	3.88 -0.06	12
13	3.99 -0.49	3.93 -0.62	3.70 -0.40	3.63 -0.06	4.33 0.64	3.67 -0.24	3.21 -0.06	2.12 -1.60	1.66 -0.47	3.42 -0.44	4.17 -0.43	4.23 -0.12	13
14	3.92 -0.39	3.89 -0.74	3.16 -0.57	4.31 0.30	3.87 0.03	3.47 -0.31	2.80 -1.72	2.25 -1.50	3.26 -0.59	3.72 -0.43	4.24 -0.48	3.66 -0.39	14
15	4.23 -0.58	3.69 -0.54	3.01 -0.61	4.16 0.14	3.65 -0.06	3.07 -0.57	1.92 -1.39	2.33 -1.43	3.21 -0.89	4.21 -0.35	4.37 -0.32	3.28 -0.39	15
16	4.22 -0.26	3.06 -0.55	3.34 -0.31	5.14 1.31	3.99 0.70	2.87 -0.66	2.23 -1.22	2.60 -0.64	3.55 -0.95	4.29 -0.52	4.22 -0.37	3.18 -0.30	16
17	3.96 -0.42	2.65 0.99	3.49 -0.22	4.86 1.27	3.99 0.09	2.94 -0.70	2.30 -1.04	2.97 -0.55	3.86 -0.98	4.18 -0.79	4.03 -0.28	3.27 -0.29	17
18	3.49 -0.59	2.49 -1.12	3.53 -0.37	4.93 1.41	3.77 1.31	2.43 -1.11	2.37 -0.98	3.36 -0.71	3.95 -1.07	4.30 -0.62	3.76 -0.27	3.65 -0.46	18
19	2.66 -0.81	2.60 -1.01	4.20 0.02	5.21 2.95	3.40 -0.07	2.66 -0.92	2.39 -0.85	3.49 -0.78	4.04 -1.05	4.20 -0.70	3.48 -0.14	3.75 -0.28	19
20	3.03 -0.90	3.07 -0.69	4.51 0.09	5.05 2.02	3.77 -0.18	2.93 -0.61	2.28 -1.40	3.56 -1.12	4.36 -0.67	4.03 -0.52	3.44 -0.21	3.72 -0.31	20
21	3.00 -0.70	3.57 -0.50	5.05 2.04	5.30 1.74	3.74 0.04	2.80 -0.60	2.84 -1.18	3.69 -1.08	4.28 -0.71	3.72 -0.54	3.57 -0.04	3.32 -0.50	21
22	3.34 -0.21	3.76 0.54	4.13 -0.11	5.20 2.22	3.31 0.12	2.74 -0.19	2.80 -1.50	3.90 -1.04	4.06 -0.79	3.24 -0.71	3.59 -0.05	3.01 -0.97	22
23	3.48 -0.07	3.60 -0.60	4.30 -0.42	5.80 2.31	3.03 -0.03	2.85 -0.40	2.86 -1.57	3.92 -1.10	4.03 -0.39	3.41 -0.33	3.15 -0.50	2.30 -1.00	23
24	3.60 -0.17	3.60 -0.84	4.22 -0.05	5.25 3.52	3.19 0.04	2.94 -0.52	3.09 -1.48	3.88 -0.97	3.25 -0.77	3.60 -0.05	3.58 -0.74	3.07 -0.89	24
25	3.58 -0.22	3.61 -0.95	4.42 -0.19	4.78 2.85	3.47 0.31	3.18 -0.54	3.33 -1.14	4.39 -0.37	3.05 -0.82	3.67 -0.03	2.30 -0.75	2.86 -0.94	25
26	3.81 -0.47	3.50 -0.90	3.75 0.09	4.43 2.85	3.47 0.17	3.33 -0.34	3.52 -1.18	3.82 -0.53	2.29 -0.39	2.20 -0.31	3.59 -0.69	2.71 -0.95	26
27	3.83 -0.40	3.46 -0.88	3.09 -0.20	5.05 2.78	3.77 0.20	3.23 -0.92	3.47 -1.24	3.21 -0.79	3.52 -0.20	3.89 -0.40	3.48 -0.73	2.75 -0.78	27
28	3.60 -0.49	3.25 -0.83	2.86 -0.56	4.14 2.35	3.99 0.25	3.49 -0.84	2.64 -1.67	2.84 -1.04	3.53 -0.52	4.06 -0.53	3.53 -0.56	2.77 -0.58	28
29	3.41 -0.77	2.90 -0.85	2.76 -0.59	4.11 1.96		3.66 -0.71	2.27 -1.59	2.84 -0.94	3.68 -0.97	3.93 -0.69	3.72 -0.30	2.74 -0.36	29
30	3.15 -0.92	2.49 -0.94	2.85 -0.31	4.53 1.82		3.67 -0.97	2.11 -1.50	2.97 -0.74	3.59 -1.17	3.87 -0.69	3.65 -0.30	2.84 -0.17	30
31	2.93 -1.01		2.93 -0.39	4.46 1.55		3.16 -1.33		3.18 -0.96		3.80 -0.72	3.34 -0.39		31
MAXIMUM	4.23	4.27	5.05	5.80	5.26	4.91	3.52	4.39	4.36	4.30	4.37	4.23	MAXIMUM
MINIMUM	-1.09	-1.12	-1.00	-0.73	-0.18	-1.33	-1.72	-1.65	-1.23	-1.17	-0.82	-1.00	MINIMUM

E- Estimated
NR- No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 39 31	121 25 06	NW 27 2N 3E		7.1	12-26-1955		JULY 1939-DATE	1939	1940	-2.2	USED
								1940		0.00	USCGS
								1940		3.00	USED
									1964	-0.52	USCGS
								1964		0.00	USCGS

Station located on Rindge Tract at Fourteenmile Slough near junction with Stockton Ship Channel, 8 miles northwest of Stockton. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge.

TABLE B-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

SAN JOAQUIN RIVER AT VENICE ISLAND

in feet

STATION NO	WATER YEAR
895580	1970

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.62 2.73	5.60 2.12	5.45 2.11	6.10 2.90	7.33 4.15	7.49 3.65	5.67 1.68	5.11 1.75	6.46 2.36	6.58 2.00	6.61 2.37	5.92 2.69	1
2	6.02 2.76	5.46 2.19	5.44 2.16	6.03 2.64	7.37 3.68	7.14 3.02	5.75 2.01	5.26 2.09	6.67 2.25	6.57 1.95	6.37 2.29	5.77 2.75	2
3	5.51 2.34	5.59 2.32	5.86 2.51	6.50 2.63	7.58 3.70	7.03 2.97	5.77 2.13	5.62 2.17	6.90 2.48	6.66 2.11	6.32 2.50	5.81 2.78	3
4	5.72 2.01	5.85 2.52	6.08 2.78	6.95 2.70	8.12 4.05	7.71 3.62	5.53 2.21	6.13 2.53	6.87 2.37	6.66 2.25	6.20 2.59	6.16 3.09	4
5	5.24 2.10	6.19 3.21	6.20 2.57	6.90 2.41	7.99 5.11	7.47 3.43	5.66 2.36	6.33 2.23	7.20 2.83	6.74 2.57	5.79 2.45	5.87 2.96	5
6	5.63 2.10	6.11 2.96	6.48 2.56	6.94 4.08	7.67 3.92	7.00 3.20	6.00 2.54	6.52 2.19	7.06 2.53	6.41 2.28	5.56 2.50	5.98 2.52	6
7	5.64 2.27	6.33 2.95	6.90 2.67	7.22 2.36	7.26 3.73	6.89 3.53	6.29 2.25	6.23 1.82	6.63 2.33	6.22 2.33	5.67 2.59	6.36 2.44	7
8	5.85 2.65	6.73 2.97	7.32 4.20	7.57 2.67	6.94 3.65	6.86 3.98	5.98 1.92	6.43 2.06	6.40 2.10	6.04 2.47	5.75 2.52	6.65 2.56	8
9	5.85 2.74	6.98 3.86	7.42 2.74	7.84 2.98	6.93 3.68	6.96 3.70	6.04 1.89	6.31 2.08	5.64 1.88	5.77 2.63	6.11 2.58	6.60 2.51	9
10	6.08 2.93	7.11 2.92	7.41 2.69	7.05 3.73	7.03 3.86	7.15 3.70	6.08 2.03	6.14 1.90	5.44 1.83	5.94 2.61	6.48 2.54	5.22 2.43	10
11	5.89 2.55	7.13 2.81	7.26 2.67	6.49 3.01	7.05 3.82	6.95 3.32	5.81 1.59	5.65 1.83	4.82 1.89	6.02 2.77	6.87 2.61	6.62 2.53	11
12	6.37 2.51	7.03 2.69	7.03 2.75	6.31 2.93	7.11 4.02	6.82 3.04	5.46 1.63	5.07 1.45	5.53 2.10	6.31 2.93	5.24 2.77	6.73 3.02	12
13	6.85 2.64	6.78 2.50	6.58 2.72	6.53 3.05	7.22 3.79	6.54 2.82	6.13 2.97	4.99 1.46	5.67 2.62	4.59 2.64	7.03 2.67	7.10 2.99	13
14	6.78 2.75	6.78 2.38	6.04 2.55	7.17 3.46	6.76 3.16	6.37 2.85	5.69 1.38	5.05 1.61	6.12 2.43	6.61 2.68	7.12 2.62	6.52 2.71	14
15	7.18 2.55	6.57 2.57	5.88 2.49	7.02 3.36	6.58 3.03	5.97 2.49	4.82 1.70	5.18 1.96	6.09 2.20	7.09 2.76	7.24 2.79	6.13 2.72	15
16	7.09 2.86	5.91 2.64	6.20 2.60	8.00 4.38	6.92 3.83	5.78 2.42	5.11 1.89	5.46 2.47	6.42 2.16	7.18 2.56	7.08 2.75	6.03 2.81	16
17	6.82 2.69	5.47 2.10	6.35 2.90	7.73 4.34	6.87 3.15	5.69 2.39	5.17 2.08	5.83 2.57	6.73 2.14	7.05 2.32	6.89 2.82	6.11 2.83	17
18	6.36 2.53	5.32 1.98	6.39 2.74	7.78 4.46	6.59 2.99	5.24 1.98	5.23 2.11	6.23 2.52	6.82 2.06	7.18 2.49	6.61 2.87	6.51 2.67	18
19	5.92 2.30	5.48 2.09	7.10 3.20	8.09 5.04	6.24 2.86	5.54 2.18	5.26 2.25	6.36 2.32	6.90 2.08	7.05 2.43	6.31 2.97	6.62 2.81	19
20	5.52 2.21	5.93 2.43	7.39 3.25	7.90 5.99	6.63 4.11	5.79 2.51	5.15 1.70	6.44 2.01	7.21 2.44	6.89 2.59	6.27 2.89	6.59 2.75	20
21	5.86 2.42	6.42 2.61	7.93 3.34	8.15 4.80	6.60 3.14	5.66 2.57	5.71 1.94	6.56 2.04	7.15 2.44	6.60 2.58	6.43 3.06	6.17 2.59	21
22	6.19 2.89	6.61 2.51	7.00 4.56	8.05 5.18	6.18 3.21	5.59 2.73	5.67 1.56	6.77 2.09	6.92 2.36	6.12 2.40	6.45 3.04	5.89 2.13	22
23	6.33 3.04	6.46 3.73	7.17 2.71	8.66 5.32	5.89 3.06	5.70 2.72	5.73 1.53	6.78 1.81	6.88 2.67	6.28 2.78	6.38 2.63	5.96 2.10	23
24	6.46 2.89	6.44 2.29	7.11 3.10	8.15 6.30	6.06 3.15	5.80 2.59	5.98 1.62	6.75 2.13	6.12 2.32	6.46 3.03	6.46 2.37	5.17 2.19	24
25	6.43 2.79	6.48 2.17	7.31 2.92	7.65 5.85	6.33 3.39	6.03 2.45	6.21 1.83	8.53 2.71	5.93 2.27	6.56 3.09	5.16 2.35	5.73 2.15	25
26	6.66 2.64	6.39 2.21	6.63 3.18	7.32 5.82	6.32 3.25	6.19 2.57	6.40 1.91	9.25 3.27	5.16 2.65	6.77 2.79	6.49 2.40	5.59 2.14	26
27	6.70 2.72	6.35 2.23	5.94 2.86	7.93 5.80	6.63 3.24	6.08 2.11	6.33 1.91	6.08 2.31	6.38 2.90	5.26 2.69	6.35 2.35	5.62 2.33	27
28	6.47 2.62	6.14 2.26	5.70 2.53	7.01 5.42	6.90 3.45	6.35 2.23	5.51 1.42	5.71 2.03	6.39 2.56	6.90 2.58	6.41 2.52	5.64 2.53	28
29	6.34 2.35	5.80 2.25	5.64 2.50	6.99 4.96		6.48 2.35	5.16 1.50	5.70 2.16	6.55 2.12	6.81 2.43	6.56 2.80	5.61 2.73	29
30	6.05 2.19	5.37 2.16	5.72 2.57	7.38 4.83		6.46 2.10	4.97 1.59	5.82 2.34	6.46 1.93	6.75 2.42	6.53 2.82	5.71 2.90	30
31	5.83 2.10		5.78 2.68	7.33 4.51		6.00 1.80		6.01 2.13		6.69 2.40	6.22 2.70		31
MAXIMUM	7.18	7.13	7.93	8.66	8.12	7.71	6.40	9.25	7.21	7.18	7.24	7.10	MAXIMUM
MINIMUM	2.01	1.98	2.11	2.36	2.86	1.80	1.38	1.45	1.83	1.95	2.29	2.10	MINIMUM

E- Estimated
NR- No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 03 01	121 29 45	NE 2 2N 4E		10.7	12-26-1955		OCT 1927 DATE	1927		-3.45	USCGS
								1959		-4.00	USCGS
									1964	-4.01	USCGS
								1964		-3.00	USCGS

Station located on Little Connection Slough on Empire Tract, 0.7 mile south of Venice Island Ferry. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge.

TABLE B-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

MIDDLE RIVER AT MOWRY BRIDGE

in feet

STATION NO	WATER YEAR
B95540	1970

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.92 3.88	5.81 3.60	5.83 3.51	6.55 3.89	9.08 7.93	8.09 5.37	5.55 2.90	4.79 2.60	6.31 2.72	6.46 2.65	6.17 2.30	5.70 2.93	1
2	6.35 3.81	5.91 3.62	5.71 3.49	6.38 4.08	8.49 7.17	7.67 6.10	5.66 2.83	4.99 2.60	6.51 2.93	6.42 2.67	5.95 2.69	5.55 2.95	2
3	5.81 3.64	5.89 3.72	6.13 3.73	6.75 3.96	8.46 6.59	7.84 5.16	5.62 2.94	5.53 2.70	6.81 3.01	6.43 2.33	5.86 2.68	5.67 3.05	3
4	5.83 3.10	6.01 3.82	6.36 4.00	7.35 3.95	8.94 6.36	8.36 5.74	5.35 3.00	6.11 3.04	6.78 3.13	6.41 2.71	5.78 2.75	5.91 3.30	4
5	5.97 3.13	6.36 4.22	6.42 3.98	7.06 3.95	8.69 6.45	8.45 6.29	5.39 2.91	6.34 2.83	7.20 3.68	6.46 2.88	5.30 2.52	5.74 3.23	5
6	5.86 3.43	6.11 4.11	6.86 3.85	7.12 3.73	8.42 6.46	8.09 6.33	5.72 2.91	6.45 2.84	7.06 3.41	6.29 2.66	5.26 2.36	5.85 2.93	6
7	5.87 3.39	6.49 4.16	7.24 3.88	7.40 3.75	8.19 6.32	8.23 6.56	5.96 2.91	6.23 2.71	6.66 3.15	5.91 2.66	5.21 2.38	6.25 2.80	7
8	6.15 3.79	7.06 4.21	7.47 3.96	7.76 4.03	7.89 6.21	8.23 6.75	5.59 2.66	6.46 2.69	6.36 2.87	5.72 2.67	4.18 2.34	6.51 2.76	8
9	6.09 3.83	7.43 4.33	7.55 4.01	7.90 4.21	7.80 6.11	8.29 6.84	5.60 2.67	6.15 2.67	5.52 2.68	5.52 2.74	5.23 2.50	5.05 2.68	9
10	6.34 3.80	7.42 4.34	7.60 3.97	7.44 4.74	7.77 6.09	8.46 6.84	5.54 2.76	6.10 2.71	5.36 2.67	5.47 2.76	5.71 2.43	6.52 2.62	10
11	6.15 3.73	7.55 4.25	7.41 3.97	6.87 4.26	7.88 6.02	8.17 6.48	5.45 2.72	5.61 2.66	5.40 2.78	5.75 2.73	6.16 2.47	6.57 2.88	11
12	6.60 3.53	7.46 4.18	7.34 4.01	6.62 4.08	7.99 6.03	7.90 6.12	5.10 2.69	5.12 2.67	5.53 3.05	5.66 2.94	6.64 2.47	6.63 3.23	12
13	7.07 3.60	7.24 4.05	6.92 4.02	6.59 4.05	7.85 5.94	7.61 5.58	5.82 3.17	4.91 2.67	5.65 3.12	5.96 1.96	6.68 2.20	7.08 3.45	13
14	7.02 3.65	7.23 3.94	6.39 3.82	7.24 4.14	7.69 6.32	7.30 5.25	5.67 2.66	4.96 2.67	6.11 3.14	6.31 2.16	6.67 2.56	6.44 3.14	14
15	7.28 3.52	7.05 4.10	6.05 3.64	7.18 4.48	7.44 5.66	6.89 4.89	4.53 3.18	5.05 2.68	6.07 3.15	6.76 2.81	6.83 2.93	6.10 3.13	15
16	7.46 3.91	6.45 4.17	6.28 3.59	8.21 4.20	7.48 5.46	6.43 5.63	4.90 2.67	5.31 2.96	6.39 2.78	6.86 2.70	6.64 2.80	5.99 3.00	16
17	7.19 3.93	6.26 3.79	6.43 3.71	8.31 5.57	7.50 5.72	6.52 4.60	4.76 2.76	5.78 3.14	6.53 2.66	6.60 2.40	6.47 2.89	6.07 3.05	17
18	6.11 3.80	5.75 3.51	6.48 3.79	8.63 5.91	7.52 5.41	6.08 4.53	4.78 2.66	6.27 3.26	6.58 2.67	6.85 2.70	6.18 2.89	6.32 3.14	18
19	6.72 3.65	5.50 3.45	6.98 3.63	9.67 7.02	7.18 5.34	5.92 4.01	5.05 2.66	6.40 3.21	6.76 2.74	6.75 2.88	5.93 3.00	6.43 3.23	19
20	6.23 3.57	6.04 3.52	7.47 3.99	9.87 8.60	7.32 5.37	6.04 3.99	4.90 2.64	6.46 2.97	6.88 2.96	6.42 2.75	5.92 2.80	6.43 3.20	20
21	6.15 3.75	6.59 3.66	8.04 4.18	10.20 8.70	7.49 5.56	6.07 4.02	5.23 2.64	6.58 3.04	6.77 2.92	6.13 2.84	6.06 3.09	6.05 3.03	21
22	6.59 4.05	6.99 3.87	7.18 4.27	10.17 8.97	7.12 5.63	6.00 4.06	5.24 2.63	6.78 2.94	6.54 2.77	5.53 2.49	5.15 3.04	5.03 2.69	22
23	6.74 4.29	6.85 3.84	7.24 3.77	11.40 9.22	6.84 5.51	6.07 3.98	5.49 2.65	6.83 2.79	6.69 3.09	5.51 2.86	6.09 2.79	5.78 2.68	23
24	6.87 4.30	6.59 3.72	7.24 3.95	11.43 10.96	6.91 5.37	6.11 3.85	5.77 2.64	6.76 2.83	6.01 2.99	5.78 2.97	6.06 2.55	5.82 2.76	24
25	6.88 4.22	6.60 3.52	7.68 3.89	10.58 10.21	7.04 5.34	6.24 3.65	6.10 2.67	7.32 3.31	5.76 2.86	6.00 3.09	6.20 2.60	5.72 2.77	25
26	7.11 4.16	6.55 3.52	6.92 4.16	10.23 9.81	6.93 5.22	6.35 3.77	6.38 2.70	6.68 3.17	5.75 3.17	6.11 2.83	6.31 2.70	5.47 2.80	26
27	7.17 4.24	6.75 3.60	6.44 4.08	10.48 9.65	7.16 5.22	6.34 3.16	6.33 2.69	6.12 2.96	6.27 3.29	6.41 2.83	6.12 2.72	5.46 2.89	27
28	6.94 4.21	6.40 3.75	6.25 3.86	9.94 9.42	7.47 5.17	6.51 3.12	5.47 2.64	5.57 2.72	6.25 2.98	6.64 2.45	6.15 2.89	5.44 2.93	28
29	6.59 3.99	6.08 3.69	5.96 3.79	9.82 9.12		6.84 3.16	5.16 3.18	5.49 2.80	6.49 2.65	6.45 2.26	6.35 3.08	5.52 3.04	29
30	6.36 3.72	5.83 3.59	6.01 3.75	9.87 8.90		6.71 3.05	4.81 2.65	5.66 2.95	6.36 2.23	6.33 2.18	6.35 3.13	5.63 3.23	30
31	6.20 3.58		6.07 3.80	9.55 8.55		6.15 4.31		5.87 2.71		6.20 2.55	6.00 2.88		31
MAXIMUM	7.46	7.55	8.04	11.43	9.08	8.46	6.38	7.32	7.20	6.86	6.83	7.08	MAXIMUM
MINIMUM	3.10	3.45	3.49	3.73	5.17	3.05	2.63	2.60	2.23	1.96	2.20	2.62	MINIMUM

E– Estimated
NR– No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

A high flow affected the normal tidal pattern. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 50 04	121 22 59	NE 24 1S 5E		16.8	12-10-1950		JULY 48-SEPT 66	1948	1952	-2.70	USCGS
							MAR 68-DATE	1952		-2.67	USCGS
									1964	-3.23	USCGS
								1964		-3.00	USCGS

Station located at Undine Road crossing on Upper Roberts Island. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge. Maximum of record is maximum recorded stage -- record not complete in December 1955. Station was discontinued October 1, 1966, and reactivated February 26, 1968.

TABLE B-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

MIDDLE RIVER AT BORDEN HIGHWAY

in feet

STATION NO	WATER YEAR
B95500	1970

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	NR NR	2.42 -0.89	2.41 -0.83	3.05 -0.13	4.50 1.25	4.49 0.68	NR NR	1.75 -1.45	3.03 -0.78	3.15 -1.19	3.18 -0.85	2.58 -0.43	1
2	NR NR	2.42 -0.76	2.28 -0.79	2.93 -0.30	4.30 0.82	4.05 0.08	NR NR	1.92 -1.04	3.25 -0.89	3.17 -1.24	2.94 -0.94	2.43 -0.42	2
3	NR NR	2.39 -0.64	2.67 -0.46	3.35 -0.29	4.45 1.91	4.03 0.10	NR NR	2.33 -0.90	3.54 -0.65	3.24 -1.08	2.84 -0.71	2.53 -0.30	3
4	2.04 -1.07	2.59 -0.46	2.90 -0.14	3.91 -0.20	5.08 0.84	4.51 0.82	NR NR	2.83 -0.53	3.50 -0.75	3.24 -0.95	2.77 -0.63	2.83 -0.10	4
5	2.58 -1.00	2.94 0.22	2.99 -0.34	3.67 1.16	4.82 1.16	4.48 1.70	NR NR	3.08 -0.76	3.88 -0.25	3.31 -0.65	2.33 -0.73	2.54 -0.19	5
6	2.44 -0.95	2.74 0.00	3.40 -0.32	3.72 -0.46	4.53 1.04	3.91 0.59	NR NR	3.22 -0.90	3.71 -0.56	3.11 -0.93	2.20 -0.65	2.66 -0.62	6
7	2.43 -0.75	3.07 -0.02	3.80 0.75	3.98 -0.50	4.23 0.87	3.94 0.39	NR NR	2.97 -1.11	3.32 -0.88	2.81 -0.91	2.21 -0.62	3.07 -0.72	7
8	2.66 -0.38	3.59 0.69	4.06 -0.19	4.35 -0.20	3.92 0.80	3.92 0.73	NR NR	3.19 -0.98	3.08 -1.10	2.62 -0.77	2.26 -0.74	3.36 -0.60	8
9	2.64 -0.22	3.93 0.07	4.16 -0.12	4.49 0.16	3.90 0.82	3.99 0.89	NR NR	2.92 -1.13	2.31 -1.35	2.39 -0.60	2.66 -0.66	1.88 -0.63	9
10	2.87 -0.09	3.92 0.04	4.19 -0.20	3.97 0.84	3.90 0.93	4.20 0.83	NR NR	2.83 -1.23	2.13 -1.34	1.83 -0.60	3.10 -0.70	3.31 -0.70	10
11	2.72 -0.99	4.06 -0.08	4.04 -0.19	3.41 0.14	4.02 0.86	3.97 0.45	NR NR	2.34 -1.38	2.09 -1.28	2.61 -0.48	1.66 -0.63	3.38 -0.58	11
12	3.17 -0.60	3.97 -0.20	3.91 -0.12	3.17 0.04	4.11 1.01	3.76 0.18	NR NR	1.82 -1.74	2.18 -1.03	2.59 -0.32	3.62 -0.47	3.46 -0.11	12
13	3.65 -0.39	3.75 -0.39	3.51 -0.13	3.26 0.11	4.03 0.81	3.59 -0.07	NR NR	1.67 -1.67	2.32 -0.56	2.87 -0.60	3.64 -0.55	3.90 -0.09	13
14	3.60 -0.29	3.73 -0.51	2.98 -0.33	3.83 0.39	3.79 0.14	3.41 -0.12	NR NR	1.70 -1.58	2.78 -0.65	3.21 -0.60	3.66 -0.57	3.22 -0.37	14
15	3.88 -0.48	3.55 -0.34	2.69 -0.41	3.79 0.13	3.58 0.03	3.04 -0.42	NR NR	1.81 -1.24	2.70 -0.96	3.69 -0.48	3.80 -0.40	2.87 -0.36	15
16	4.00 -0.13	2.90 -0.25	2.92 -0.34	4.68 1.32	3.72 0.84	2.70 -0.57	NR NR	2.05 -0.75	3.06 -1.00	3.78 -0.64	3.62 -0.45	2.77 -0.31	16
17	3.76 -0.29	2.36 -0.76	3.09 -0.09	4.66 1.30	3.76 1.73	2.80 -0.47	NR NR	2.46 -0.61	3.32 -1.05	3.58 -0.90	3.46 -0.35	2.86 -0.31	17
18	3.28 -0.47	2.27 -0.92	3.15 -0.20	4.75 1.41	3.69 0.23	2.39 -0.97	NR NR	2.89 -0.60	3.39 -1.14	3.81 -0.70	3.18 -0.32	3.14 -0.46	18
19	3.03 -0.64	2.13 -0.84	3.68 0.15	5.02 2.92	3.31 0.06	2.41 -0.80	NR NR	3.02 -0.82	3.57 -1.08	3.67 -0.74	2.88 -0.21	3.27 -0.34	19
20	2.77 -0.75	2.64 -0.52	4.11 1.11	4.93 2.18	3.51 -0.06	2.57 0.25	NR NR	3.11 -1.10	3.76 -0.70	3.39 -0.62	2.85 -0.30	3.24 -0.37	20
21	2.68 -0.50	3.20 0.29	4.67 0.33	5.29 1.96	3.58 0.14	2.53 -0.49	NR NR	3.22 -1.08	3.68 -0.75	3.12 -0.64	3.01 -0.13	2.86 -0.55	21
22	3.07 -0.03	3.53 -0.31	3.81 0.43	5.19 2.41	3.17 0.23	2.47 -0.42	NR NR	3.45 -1.04	3.45 -0.79	2.60 -0.82	3.03 -0.19	2.62 -1.01	22
23	3.22 0.20	3.39 -0.39	3.92 -0.22	5.83 2.49	2.88 0.07	2.57 -0.39	NR NR	3.48 -1.08	3.48 -0.48	2.78 -0.42	2.98 -0.59	2.00 -1.05	23
24	3.35 0.12	3.19 -0.60	3.87 0.11	5.27 3.75	3.02 0.14	2.64 -0.47	NR NR	3.44 -0.99	2.74 -0.82	2.96 -0.16	1.73 -0.86	2.69 -0.96	24
25	3.35 -0.02	3.25 -0.75	4.26 -0.02	4.81 3.13	3.27 0.42	2.83 -0.45	NR NR	4.00 -0.44	2.11 -0.91	1.89 -0.15	3.10 -0.86	2.55 -0.99	25
26	3.57 -0.20	3.16 -0.72	3.51 0.25	4.48 3.01	3.19 0.27	2.96 -0.16	NR NR	3.32 -0.64	2.50 -0.58	3.09 -0.46	3.19 -0.80	2.35 -1.01	26
27	3.64 -0.15	3.30 -0.71	2.98 -0.03	5.11 2.96	3.50 0.30	2.95 -0.86	NR NR	2.86 -0.91	2.95 -0.35	3.35 -0.55	3.00 -0.83	2.30 -0.84	27
28	3.41 -0.24	3.00 -0.60	2.75 -0.37	4.21 2.55	3.83 0.32	3.15 -0.84	NR NR	2.31 -1.19	2.96 -0.71	3.56 -0.64	3.05 -0.66	2.27 -0.61	28
29	3.12 -0.56	2.68 -0.65	2.53 -0.44	4.20 2.07		3.49 -0.77	1.97 -1.55	2.27 -1.06	3.21 -1.04	3.42 -0.81	3.21 -0.35	2.35 -0.41	29
30	2.91 -0.88	2.35 -0.76	2.55 -0.42	4.59 1.92		3.43 -1.00	1.70 -1.60	2.41 -0.86	3.04 -1.22	3.31 -0.82	3.19 -0.32	2.47 -0.27	30
31	2.74 -0.98		2.62 -0.33	4.50 1.67		2.88 -1.27		2.56 -0.97		3.22 -0.83	2.85 -0.44		31
MAXIMUM	NR	4.06	4.67	5.83	5.08	4.51	NR	4.00	3.88	3.81	3.80	3.90	MAXIMUM
MINIMUM	NR	-0.92	-0.83	-0.50	-0.06	-1.27	NR	-1.74	-1.35	-1.24	-0.94	-1.05	MINIMUM

E- Estimated
NR- No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 53 28	121 29 20	NW 36 1N 4E		7.2	12-26-1965		JULY 1939-DATE	1939	1943	-4.10	USCGS
								1943		0.00	USCGS
								1943		3.15	USED
									1964	-0.59	USCGS
								1964		0.00	USCGS

Station located on Victoria Island, below State Highway 4 bridge, 10 miles northwest of Tracy. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge.

TABLE 8-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

MIDDLE RIVER AT BACON ISLAND

in feet

STATION NO	WATER YEAR
B95460	1970

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.52 2.69	5.54 2.07	5.38 2.06	6.03 2.85	7.27 4.10	7.43 3.60	5.59 1.59	5.02 1.68	6.37 2.31	6.49 1.94	6.52 2.34	5.85 2.65	1
2	5.96 2.71	5.39 2.14	5.36 2.12	5.97 2.59	7.28 3.64	7.06 2.98	5.65 1.96	5.17 2.02	6.57 2.21	6.48 1.90	6.29 2.24	5.69 2.70	2
3	5.48 2.35	5.50 2.28	5.78 2.46	6.44 2.59	7.48 3.64	6.95 3.92	5.68 2.13	5.53 2.13	6.82 2.44	6.56 2.06	6.21 2.45	5.73 2.84	3
4	5.65 1.94	5.77 2.46	6.02 2.73	6.88 2.65	8.03 5.22	7.60 3.59	5.44 2.15	6.03 2.48	6.78 2.32	6.58 2.19	6.12 2.55	6.11 3.03	4
5	5.17 2.05	6.11 3.16	6.12 2.52	6.83 2.37	7.89 3.98	7.39 3.37	5.56 2.30	6.24 2.23	7.12 2.80	6.65 2.50	5.71 2.41	5.79 2.92	5
6	5.57 2.04	6.02 2.91	6.41 2.50	6.86 4.04	7.58 3.85	6.92 3.14	5.90 2.47	6.42 2.14	6.96 2.50	6.33 2.23	5.47 2.47	5.90 2.48	6
7	5.58 2.22	6.23 2.90	6.82 2.62	7.15 2.33	7.19 3.68	6.82 3.75	6.20 2.16	6.14 1.86	6.55 2.26	6.14 2.26	5.59 2.56	6.29 2.38	7
8	5.74 2.59	6.65 2.93	7.23 4.15	7.49 2.63	6.86 3.60	6.79 3.47	5.89 1.83	6.34 2.02	6.32 2.04	5.95 2.42	5.65 2.45	6.57 2.51	8
9	5.77 2.69	6.91 3.81	7.32 2.70	7.71 2.97	6.85 3.63	6.87 3.64	5.95 1.83	6.20 2.00	5.56 1.81	5.69 2.59	6.02 2.53	6.52 2.46	9
10	5.95 2.87	7.01 2.88	7.34 2.64	6.98 3.67	6.96 3.79	7.09 3.65	5.98 1.92	6.06 1.85	5.36 1.80	5.87 2.57	6.41 2.48	5.16 2.38	10
11	5.82 2.75	7.05 2.76	7.18 2.62	6.43 2.97	6.98 3.78	6.87 3.27	5.73 1.56	5.55 1.77	4.77 1.85	5.94 2.71	6.79 2.55	6.54 2.48	11
12	6.28 2.46	6.95 2.65	6.97 2.70	6.24 2.88	7.03 3.97	6.73 3.00	5.41 1.58	4.99 1.39	5.45 2.06	6.22 2.89	5.17 2.72	6.66 2.97	12
13	6.75 2.57	6.71 2.45	6.51 2.69	6.44 3.01	7.13 3.73	6.47 2.79	6.01 2.87	4.91 1.43	5.60 2.56	4.53 2.57	6.96 2.62	7.03 2.94	13
14	6.69 2.70	6.69 2.33	5.99 2.51	7.06 3.38	6.70 3.09	6.30 2.80	5.60 1.31	4.95 1.55	6.04 2.45	6.53 2.61	7.03 2.58	6.43 2.68	14
15	7.05 2.50	6.50 2.52	5.83 2.45	6.93 3.27	6.50 2.96	5.90 2.44	4.74 1.64	5.10 1.90	5.99 2.14	7.01 2.71	7.15 2.75	6.05 2.68	15
16	7.02 2.80	5.85 2.57	6.13 2.55	7.88 4.30	6.83 3.76	5.70 2.37	5.01 1.84	5.37 2.41	6.33 2.11	7.09 2.51	7.00 2.69	5.95 2.77	16
17	6.76 2.63	5.41 2.07	6.28 2.85	7.63 4.24	6.79 3.11	5.70 2.39	5.07 2.04	5.74 2.51	6.63 2.08	6.96 2.27	6.80 2.77	6.04 2.78	17
18	6.30 2.50	5.25 1.94	6.32 2.69	7.68 4.38	6.55 2.97	5.24 1.94	5.14 2.01	6.14 2.47	6.73 2.00	7.09 2.44	6.53 2.82	6.42 2.63	18
19	5.86 2.25	5.35 2.05	6.99 3.12	7.98 4.99	6.20 2.82	5.48 2.12	5.16 2.20	6.26 2.27	6.82 2.03	6.96 2.38	6.23 2.91	6.52 2.76	19
20	5.45 2.16	5.85 2.39	7.29 3.22	7.81 5.93	6.54 4.07	5.71 2.45	5.06 1.64	6.32 1.94	7.12 2.40	6.79 2.53	6.19 2.84	6.49 2.71	20
21	5.79 2.37	6.34 2.56	7.84 5.16	8.05 4.74	6.52 3.07	5.59 2.53	5.59 1.87	6.46 1.99	7.06 2.39	6.50 2.52	6.34 3.02	6.11 2.54	21
22	6.10 2.85	6.54 3.58	6.93 3.30	7.96 5.16	6.10 3.15	5.53 2.67	5.59 1.52	6.67 2.02	6.83 2.33	6.03 2.33	6.36 2.99	5.84 2.08	22
23	6.24 2.99	6.39 2.47	7.10 2.66	8.58 5.25	5.81 3.01	5.63 2.66	5.63 1.47	6.69 1.96	6.80 2.62	6.20 2.73	6.29 2.57	5.90 2.04	23
24	6.38 2.84	6.35 2.24	7.03 3.03	8.07 6.45	5.99 3.10	5.70 2.53	5.88 1.57	6.64 2.10	6.03 2.27	6.37 2.99	6.37 2.31	5.13 2.14	24
25	6.36 3.40	6.40 2.12	7.24 2.86	7.60 5.80	6.25 3.34	5.98 2.52	6.11 1.90	7.18 2.64	5.84 2.21	6.47 3.04	5.09 2.29	5.69 2.11	25
26	6.58 2.60	6.30 2.17	6.56 3.13	7.26 5.80	6.25 3.19	6.10 2.61	6.33 1.85	6.56 2.45	5.09 2.61	6.68 2.74	6.41 2.35	5.53 2.09	26
27	6.62 2.67	6.28 2.17	5.90 2.81	7.86 5.73	6.56 3.22	6.03 2.13	6.25 1.85	6.01 2.23	6.26 2.83	5.19 2.64	6.27 2.31	5.56 2.27	27
28	6.40 2.58	6.07 2.23	5.65 2.48	6.96 5.36	6.83 3.34	6.26 2.18	5.45 1.37	5.61 1.98	6.30 2.50	6.82 2.53	6.33 2.47	5.57 2.48	28
29	6.23 2.30	5.73 2.21	5.57 2.45	6.93 4.92		6.43 2.28	5.08 1.45	5.61 2.10	6.47 2.07	6.74 2.37	6.48 2.75	5.54 2.68	29
30	5.97 2.13	5.30 2.11	5.64 2.51	7.31 4.78		6.42 2.07	4.89 1.54	5.74 2.30	6.37 1.90	6.66 2.36	6.44 2.78	5.64 2.81	30
31	5.76 2.04		5.71 2.63	7.26 4.52		5.96 1.76		5.92 2.10		6.59 2.34	6.11 2.65		31
MAXIMUM	7.05	7.05	7.84	8.58	8.03	7.60	6.33	7.18	7.12	7.09	7.15	7.03	MAXIMUM
MINIMUM	1.94	1.94	2.06	2.33	2.82	1.76	1.31	1.39	1.80	1.90	2.24	2.04	MINIMUM

E– Estimated
NR– No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 00 07	121 31 22	SW 22 2N 4E		10.2	12-26-55		OCT 48-SEPT 66 MAR 68-DATE	1948 1964	 1964	-2.94 -3.65 -3.00	USCGS USCGS USCGS

Station located at northeast corner of Bacon Island at junction of Middle River and Connection Slough. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge. Station was discontinued October 1, 1966, and reactivated February 26, 1968.

TABLE 8-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

STATION NO	WATER YEAR
895380	1970

OLD RIVER AT TRACY ROAD BRIDGE — in feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.72 2.90	5.51 2.40	5.56 2.56	6.44 3.08	8.05 5.63	7.85 4.09	5.29 NR	4.55 NR	6.07 2.21	6.20 1.85	5.99 2.00	5.56 2.54	1
2	6.16 2.87	5.79 2.56	5.51 2.57	6.19 3.03	7.68 5.01	7.28 3.64	5.37 NR	4.72 1.95	6.29 2.13	6.18 1.76	5.75 1.92	5.42 2.52	2
3	5.70 2.81	5.79 2.69	5.90 2.87	6.54 3.72	7.81 4.54	7.43 5.07	5.52 1.90	5.51 1.99	6.61 2.42	6.20 1.87	5.78 2.16	5.49 2.63	3
4	5.62 2.10	5.76 2.86	6.13 3.21	7.28 3.08	8.56 4.54	7.83 3.85	5.16 1.98	6.03 2.50	6.64 2.41	6.19 2.01	5.58 2.21	5.75 2.81	4
5	5.62 2.10	6.12 3.45	6.23 3.22	6.89 3.17	8.19 4.80	7.96 4.56	5.24 1.93	6.22 2.33	6.99 2.82	6.27 2.29	5.11 2.10	5.55 2.83	5
6	5.62 2.25	6.13 3.27	6.78 3.05	6.95 2.91	7.87 4.72	7.31 4.40	5.58 2.22	6.35 2.21	6.84 2.57	6.14 1.98	5.17 2.22	5.68 2.37	6
7	5.63 2.45	6.22 3.32	7.18 3.09	7.21 2.89	7.73 4.61	7.49 4.35	5.69 2.02	6.14 1.98	6.41 2.22	5.71 1.96	4.94 2.18	6.09 2.29	7
8	6.02 2.84	6.87 3.32	7.31 3.21	7.56 3.19	7.42 4.52	7.46 4.67	5.30 1.75	6.37 2.12	6.08 1.91	5.54 2.10	5.00 2.04	5.01 2.37	8
9	5.94 2.99	7.34 3.43	7.40 3.27	7.74 3.46	7.20 4.48	7.54 4.73	5.32 1.75	5.93 1.84	5.31 1.73	5.38 2.20	4.31 2.16	6.32 2.34	9
10	6.24 3.11	7.33 3.44	7.45 3.21	7.35 4.10	7.17 4.54	7.72 4.74	5.23 1.79	5.94 1.79	5.15 NR	5.25 2.20	5.50 2.14	6.44 2.28	10
11	6.05 3.05	7.46 3.33	7.27 3.23	6.80 3.51	7.24 4.40	7.27 4.36	5.14 NR	5.37 NR	5.19 1.78	5.61 2.32	5.99 2.21	6.47 2.44	11
12	6.51 2.66	7.37 3.24	7.31 3.27	6.56 3.36	7.50 4.50	7.05 4.01	4.77 NR	4.90 NR	5.23 2.06	5.46 2.48	6.39 2.35	6.55 2.92	12
13	6.98 2.80	7.14 3.07	6.88 3.27	6.41 3.37	7.26 4.31	7.01 3.72	5.44 2.59	4.62 NR	5.36 2.48	5.76 2.22	6.49 2.31	6.96 2.97	13
14	6.94 2.85	7.13 2.93	6.34 3.06	7.06 3.55	7.15 3.81	6.79 3.56	5.46 NR	4.64 NR	5.83 2.40	6.11 2.21	6.50 2.31	6.34 2.71	14
15	7.21 2.68	6.92 3.11	5.91 2.93	7.02 3.35	6.91 4.99	6.41 3.26	4.36 NR	4.75 1.74	5.77 2.16	6.56 2.43	6.66 2.49	5.99 2.68	15
16	7.32 3.07	6.32 3.23	6.11 2.93	7.84 4.53	6.86 3.68	5.95 3.00	4.73 NR	5.03 2.21	6.10 2.09	6.64 2.22	6.47 2.47	5.90 2.68	16
17	7.06 3.01	6.14 2.75	6.25 3.13	8.05 4.55	7.03 4.23	6.14 4.55	4.50 NR	5.59 2.43	6.28 1.94	6.49 1.99	6.32 2.56	5.98 2.69	17
18	6.01 2.85	5.68 2.51	6.33 3.32	8.19 4.62	7.14 3.73	5.83 3.14	4.47 1.82	6.06 2.51	6.36 1.85	6.74 2.20	6.04 2.62	6.27 2.55	18
19	6.60 2.67	5.15 2.54	6.82 3.09	8.53 5.05	6.72 3.61	5.69 2.59	4.82 1.76	6.10 2.43	6.62 1.90	6.60 2.18	5.77 2.71	6.23 2.73	19
20	6.08 2.57	5.76 2.61	7.31 3.41	8.51 6.18	6.73 3.53	5.68 2.63	4.76 NR	6.24 2.08	6.71 2.27	6.36 2.26	5.81 2.60	6.22 2.68	20
21	6.02 2.84	6.35 2.79	7.80 3.59	8.95 6.15	7.01 3.72	5.84 2.86	4.84 NR	6.41 2.08	6.60 2.20	5.93 2.19	5.86 2.75	5.26 2.48	21
22	6.47 3.25	6.91 3.03	7.01 3.67	8.85 6.55	6.61 3.81	5.80 2.93	4.92 NR	6.70 2.10	6.37 2.15	5.37 2.03	5.08 2.69	5.82 2.03	22
23	6.65 3.48	6.77 2.98	7.06 3.08	9.66 6.71	6.31 3.66	5.87 2.94	5.45 NR	6.72 2.02	6.50 2.50	5.41 2.42	5.89 2.38	5.53 1.95	23
24	6.78 3.47	6.38 2.82	7.08 3.36	9.39 8.42	6.42 3.65	5.85 2.74	5.72 NR	6.62 2.04	5.79 2.23	5.56 2.65	5.86 2.07	5.53 2.04	24
25	6.78 3.38	6.35 2.61	7.61 3.24	8.63 7.77	6.45 3.81	6.04 2.71	5.97 1.82	7.20 2.59	5.59 2.07	5.92 2.66	6.00 2.10	5.44 2.00	25
26	7.02 3.26	6.33 2.62	6.76 3.51	8.29 7.32	6.41 3.75	6.15 3.12	6.27 1.75	6.49 2.42	5.43 2.46	5.92 2.34	6.14 2.17	5.22 1.95	26
27	7.06 3.32	6.66 2.65	6.42 3.34	8.80 7.24	6.66 3.76	6.15 2.24	6.22 1.76	5.99 2.17	5.84 2.60	6.20 2.29	5.95 2.09	5.24 2.13	27
28	6.72 3.23	6.20 2.84	6.20 3.04	8.01 6.85	7.17 3.77	6.35 2.22	5.43 NR	5.29 1.85	5.92 2.24	6.46 2.23	5.96 2.27	5.20 2.37	28
29	6.29 2.84	6.03 2.77	5.77 2.92	7.93 6.36		6.70 2.31	5.25 NR	5.25 1.96	6.25 1.96	6.24 2.04	6.21 2.63	5.29 2.56	29
30	6.06 2.42	5.72 2.65	5.81 2.89	8.25 6.08		6.49 2.16	4.90 NR	5.40 2.13	6.07 1.86	6.14 2.03	6.19 2.66	5.45 2.70	30
31	5.93 2.30		5.84 2.94	8.08 5.85		5.90 1.75		5.60 2.10		5.99 2.02	5.85 2.52		31
MAXIMUM	7.32	7.46	7.80	9.66	8.56	7.96	6.27	7.20	6.99	6.74	6.66	6.96	MAXIMUM
MINIMUM	2.10	2.40	2.56	2.89	3.53	1.75	NR	NR	NR	1.76	1.92	1.95	MINIMUM

E- Estimated
NR- No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 48 30	121 26 06	SW 32 1S 5E		13.2	12-29-1955		JUN 51-DEC 54 ö	1958		-4.44	USCGS
							FEB 55-DATE		1964	-4.47	USCGS
								1964		-3.00	USCGS

Station located 30 feet above Tracy Road bridge, 3.5 miles northwest of Tracy. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge.

ö - Irrigation season only.

TABLE 8-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

TOM PAINE SLOUGH ABOVE MOUTH

in feet

STATION NO	WATER YEAR
89420	1970

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.77 3.20	5.56 2.78	5.58 2.84	6.49 3.32	NR NR	NR NR	5.29 1.81	4.56 1.82	6.07 2.48	6.20 2.18	5.98 2.19	5.56 2.67	1
2	6.20 3.16	5.84 2.87	5.56 2.84	6.23 3.30	NR NR	NR NR	5.37 3.02	4.73 2.14	6.27 2.42	6.18 2.03	5.75 2.14	5.41 2.66	2
3	5.78 3.05	5.83 2.99	5.96 3.13	6.58 3.91	NR NR	NR NR	5.47 2.21	5.48 2.32	6.60 2.65	6.20 2.12	5.75 2.33	5.46 2.75	3
4	5.69 2.48	5.81 3.14	6.19 3.44	7.31 3.33	8.64 4.99	NR NR	5.14 2.25	6.01 2.66	6.63 2.70	6.20 2.22	5.57 2.40	5.73 2.96	4
5	5.82 2.49	6.18 3.67	6.27 3.44	6.93 3.38	8.28 5.20	NR NR	5.21 2.18	6.22 2.52	7.01 3.13	6.29 2.49	5.11 2.25	5.56 2.98	5
6	5.68 2.61	6.13 3.52	6.83 3.29	6.99 3.16	7.96 5.15	NR NR	5.58 2.42	6.32 2.40	6.86 2.91	6.15 2.20	5.14 2.36	5.68 2.52	6
7	5.70 2.77	6.27 3.57	7.22 3.32	7.24 3.15	7.81 5.03	7.61 4.88	5.71 2.26	6.12 2.21	6.44 2.51	5.71 2.15	4.93 2.33	6.09 2.45	7
8	6.08 3.12	6.92 3.57	7.36 3.43	6.00 3.42	7.51 4.95	7.60 5.19	5.34 1.93	6.34 2.34	6.11 2.22	5.55 2.27	4.03 2.20	5.04 2.52	8
9	6.01 3.24	7.38 3.69	7.44 3.49	7.61 3.66	7.31 4.90	7.67 5.25	5.33 1.91	5.94 2.14	5.33 1.94	5.37 2.38	4.99 2.32	6.33 2.49	9
10	6.30 3.34	7.40 3.70	7.50 3.42	7.79 4.28	7.28 4.94	7.83 5.28	5.23 2.01	5.94 2.08	5.16 1.97	5.26 2.36	5.50 2.30	6.41 2.45	10
11	6.11 3.27	7.52 3.60	7.30 3.45	7.40 3.72	7.39 4.82	NR NR	5.14 1.68	5.41 2.00	5.21 2.13	5.58 2.46	5.98 2.38	6.45 2.58	11
12	6.55 2.91	7.42 3.50	7.35 3.48	6.84 3.58	7.58 4.87	NR NR	4.79 1.56	5.92 1.65	5.24 2.40	5.46 2.65	6.40 2.54	6.52 3.04	12
13	7.04 3.04	7.20 3.36	6.92 3.48	6.60 4.10	7.36 4.71	NR NR	5.45 2.77	4.67 1.71	5.38 2.74	5.75 2.40	6.47 2.49	6.95 3.12	13
14	6.99 3.09	7.19 3.22	6.39 3.29	6.44 3.58	7.25 4.27	NR NR	5.47 1.40	4.68 1.75	5.83 2.65	6.10 2.42	6.48 2.52	6.33 2.86	14
15	7.26 2.92	6.98 3.40	5.96 3.15	7.11 3.74	NR NR	NR NR	NR NR	4.78 2.02	5.79 2.47	6.55 2.60	6.63 2.69	5.98 2.84	15
16	7.39 3.32	6.38 3.48	6.16 3.13	7.07 4.08	NR NR	NR NR	NR NR	5.05 2.47	6.10 2.39	6.65 2.42	6.45 2.67	5.88 2.82	16
17	7.12 3.27	6.19 3.05	6.30 3.32	7.94 3.56	NR NR	NR NR	NR NR	5.58 2.65	6.26 2.23	6.48 2.19	6.30 2.75	5.97 2.84	17
18	6.06 3.14	5.72 2.80	6.37 3.48	8.13 4.78	NR NR	5.89 3.53	NR NR	6.07 2.82	6.36 2.10	6.71 2.40	6.02 2.78	6.24 2.72	18
19	6.66 2.96	5.19 2.81	6.85 3.27	6.84 4.93	NR NR	5.67 3.00	NR NR	6.13 2.69	6.61 2.12	6.58 2.37	5.76 2.86	6.25 2.88	19
20	6.14 2.87	5.80 2.88	7.34 3.57	8.28 5.49	NR NR	5.70 3.03	NR NR	6.24 2.45	6.69 2.46	6.31 2.46	5.79 2.75	6.24 2.85	20
21	6.08 3.11	6.38 3.04	7.86 3.77	8.75 6.77	NR NR	5.83 3.21	4.87 1.89	6.39 2.44	6.59 2.41	5.95 2.44	5.87 2.88	5.83 2.67	21
22	6.53 3.49	6.96 3.27	7.05 3.86	8.79 6.78	NR NR	5.81 3.27	4.96 1.63	6.68 2.43	6.37 2.36	5.40 2.21	5.08 2.86	4.96 2.23	22
23	6.72 3.71	6.82 3.24	7.10 3.27	9.21 7.57	NR NR	5.89 3.25	5.43 1.68	6.71 2.32	6.50 2.73	5.36 2.57	5.88 2.53	5.54 2.15	23
24	6.85 3.72	6.43 3.08	7.12 3.52	9.13 7.18	NR NR	5.85 3.09	5.69 1.75	6.61 2.28	5.79 2.47	5.53 2.79	5.86 2.26	5.55 2.24	24
25	6.85 3.64	6.39 2.86	7.65 3.42	10.18 7.39	NR NR	6.03 3.00	5.96 2.10	7.19 2.83	5.59 2.31	5.84 2.83	6.00 2.30	5.45 2.20	25
26	7.08 3.53	6.38 2.88	6.81 3.71	10.10 9.30	NR NR	6.11 3.38	6.26 2.01	6.52 2.67	5.46 2.69	5.90 2.53	6.15 2.36	5.23 2.15	26
27	7.13 3.60	6.71 2.93	6.50 3.56	9.19 8.60	NR NR	6.12 2.52	6.22 2.05	6.04 2.45	5.85 2.84	6.19 2.46	5.95 2.27	5.25 2.32	27
28	6.86 3.52	6.25 3.11	6.22 3.30	9.19 8.09	NR NR	6.34 2.48	5.44 1.75	5.34 2.15	5.93 2.49	6.43 2.42	5.97 2.45	5.20 2.54	28
29	6.43 3.20	6.04 3.04	5.82 3.20	9.28 7.93		6.69 2.58	5.24 1.85	5.28 2.24	6.26 2.23	6.23 2.23	6.19 2.78	5.31 2.73	29
30	6.19 2.83	5.77 2.92	5.86 3.16	8.43 7.59		6.49 2.42	4.90 1.67	5.40 2.40	6.09 2.20	6.13 2.23	6.20 2.81	5.46 2.86	30
31	6.07 2.71		5.89 3.20	NR NR		5.89 2.06		5.61 2.37		5.98 2.22	5.86 2.67		31
MAXIMUM	7.39	7.52	7.86	10.18	NR	NR	NR	7.19	7.01	6.71	6.63	6.95	MAXIMUM
MINIMUM	2.48	2.78	2.84	3.15	NR	NR	NR	1.65	1.94	2.03	2.14	2.15	MINIMUM

E – Estimated
NR – No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

A High flows effected the normal tidal pattern. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 47 27	121 25 03	NE 4 2S 5E		14.6	12-29-1955		JUNE 51-OCT 53ö APR 54-SEP 66 MAR 68-DATE	1955 1964	 1964 	-4.22 -4.43 -3.00	USCGS USCGS USCGS

Station located 0.1 mile east of mouth of Sugar Cut, 2.2 miles above mouth, 7.6 miles north of Tracy. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge. Station was discontinued September 30, 1966, and reactivated February 26, 1968.

ö - Irrigation season only.

TABLE B-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

OLD RIVER AT CLIFTON COURT FERRY

in feet

STATION NO	WATER YEAR
895340	1970

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.46 2.63	5.32 2.17	5.26 2.29	6.14 2.91	7.65 4.35	7.58 3.71	5.06 1.33	4.29 1.46	5.82 2.02	5.94 1.65	5.81 1.98	NR NR	1
2	5.94 2.65	5.51 2.28	5.24 2.31	5.96 2.79	7.36 5.09	7.04 3.16	5.13 1.71	4.52 1.87	6.05 1.94	5.95 1.58	5.57 1.88	NR NR	2
3	5.41 2.49	5.51 2.40	5.61 2.63	6.33 2.84	7.50 3.92	7.16 3.23	5.23 1.84	5.26 2.04	6.35 2.16	6.03 1.74	5.59 2.13	NR NR	3
4	5.09 1.87	5.50 2.59	5.85 2.95	6.98 4.09	8.24 3.95	7.53 4.68	4.91 1.81	5.79 2.39	6.37 2.06	5.96 1.88	5.35 2.14	NR NR	4
5	5.54 1.87	5.90 3.23	5.94 2.78	6.61 2.92	7.87 4.31	7.63 3.99	4.99 2.01	5.99 2.10	6.71 2.55	6.03 2.11	4.88 2.07	NR NR	5
6	5.38 2.01	5.78 3.03	6.47 3.38	6.66 2.68	7.55 4.19	6.98 3.76	5.31 2.10	6.11 2.03	6.58 2.25	5.90 1.89	4.98 2.19	NR NR	6
7	5.36 2.19	6.04 3.19	6.88 2.82	6.91 2.64	7.39 4.05	7.11 3.62	5.48 1.88	5.91 1.80	6.15 1.93	5.50 1.92	4.72 2.16	NR NR	7
8	5.69 2.59	6.62 3.06	7.01 2.94	7.28 2.97	7.07 3.97	7.09 3.96	5.10 1.53	6.12 1.93	5.83 1.73	5.32 2.07	4.80 2.09	NR NR	8
9	5.64 2.76	7.02 3.13	7.11 3.01	7.42 3.30	6.90 3.97	7.16 4.08	5.08 1.51	5.67 1.59	5.08 1.43	5.03 2.22	4.10 2.18	NR NR	9
10	5.90 2.88	6.94 3.12	7.17 2.95	7.04 3.92	6.93 4.06	7.34 4.05	5.01 1.51	5.70 1.50	4.89 1.46	5.06 2.21	5.31 2.14	NR NR	10
11	5.74 2.82	7.15 3.00	7.00 2.97	6.50 3.28	7.00 3.93	6.93 3.65	4.92 1.34	5.14 1.43	4.92 1.53	5.41 2.34	5.81 2.22	NR NR	11
12	6.19 2.42	7.06 2.90	7.00 3.03	6.27 3.14	7.20 4.11	6.78 3.32	4.58 1.29	4.69 1.29	4.97 1.84	5.26 2.52	NR NR	NR NR	12
13	6.66 2.59	6.84 2.72	6.60 3.01	6.23 3.19	7.03 3.85	6.71 3.10	5.21 2.48	4.43 1.27	5.11 2.31	5.56 2.21	NR NR	NR NR	13
14	6.63 2.65	6.84 2.57	6.06 2.81	6.77 3.45	6.89 3.25	6.51 3.03	5.26 1.31	4.42 1.28	5.56 2.19	5.92 2.20	NR NR	NR NR	14
15	6.92 2.48	6.63 2.76	5.66 2.71	6.76 3.20	6.69 3.18	6.12 2.75	4.16 1.31	4.54 1.61	5.50 1.91	6.35 2.35	NR NR	NR NR	15
16	7.05 2.84	6.01 2.87	5.82 2.74	7.52 4.31	6.64 4.78	5.69 2.46	4.50 1.48	4.82 2.09	5.84 1.81	6.47 2.18	NR NR	NR NR	16
17	6.79 2.73	5.43 2.40	5.98 2.97	7.75 5.22	6.83 3.83	5.86 2.68	4.32 1.62	5.33 2.25	6.01 1.73	6.35 1.92	NR NR	NR NR	17
18	6.33 2.57	5.34 2.21	6.06 2.90	7.89 4.31	6.82 3.20	5.51 2.15	4.35 1.61	5.79 2.22	6.12 1.69	6.57 2.13	NR NR	NR NR	18
19	5.52 2.37	4.95 2.26	6.58 3.75	8.15 4.60	6.42 3.05	5.46 3.39	4.56 1.86	5.85 1.91	6.40 1.76	6.42 2.09	NR NR	NR NR	19
20	5.79 2.27	5.48 2.52	7.02 3.27	8.06 5.46	6.47 2.94	5.43 2.24	4.54 1.36	5.96 1.79	6.48 2.13	6.16 2.17	NR NR	NR NR	20
21	5.70 2.57	6.12 3.29	7.51 3.42	8.46 5.32	6.70 3.15	5.54 2.53	4.62 1.51	6.15 1.76	6.38 2.06	5.72 2.12	NR NR	NR NR	21
22	6.14 3.02	6.59 2.75	6.76 3.49	8.38 5.73	6.30 3.23	5.50 2.60	4.78 1.34	6.42 1.81	6.14 2.02	5.15 2.01	NR NR	NR NR	22
23	6.31 3.23	6.46 2.69	6.81 2.89	9.05 5.83	6.00 3.07	5.58 2.64	5.22 1.33	6.44 1.78	6.26 2.32	5.35 2.41	NR NR	NR NR	23
24	6.46 3.20	6.10 2.54	6.80 3.20	8.53 7.15	6.04 3.11	5.58 2.42	5.48 1.33	6.36 1.81	5.52 2.03	5.03 2.67	NR NR	NR NR	24
25	6.45 3.07	6.11 2.31	7.32 3.07	7.96 6.54	6.20 3.37	5.75 2.44	5.73 1.51	6.93 2.36	5.30 1.90	5.71 2.68	NR NR	NR NR	25
26	6.67 2.95	6.07 2.35	6.49 3.33	7.64 6.32	6.19 3.32	5.84 2.85	6.06 1.54	6.18 2.16	5.16 2.22	5.72 2.37	NR NR	NR NR	26
27	6.75 2.97	6.40 2.36	6.07 3.07	8.21 6.30	6.48 3.34	5.85 2.02	6.01 1.57	5.72 1.88	5.50 2.47	6.02 2.28	NR NR	NR NR	27
28	6.51 2.88	5.98 2.54	5.85 2.77	7.37 5.83	6.95 3.38	6.07 2.01	5.18 1.37	5.03 1.60	5.64 2.02	6.25 2.19	NR NR	NR NR	28
29	6.11 2.53	5.80 2.48	5.53 2.68	7.36 5.32		6.40 2.08	4.96 1.45	4.99 1.76	6.01 1.80	6.05 2.01	NR NR	NR NR	29
30	5.89 2.02	5.44 2.37	5.54 2.67	7.74 5.13		6.23 1.94	4.66 1.34	5.16 1.96	5.83 1.64	5.95 2.01	NR NR	NR NR	30
31	5.78 1.96		5.58 2.74	7.65 4.86		5.60 1.58		5.32 1.89		5.80 1.94	NR NR		31
MAXIMUM	7.05	7.15	7.51	9.05	8.24	7.63	6.06	6.93	6.71	6.57	NR	NR	MAXIMUM
MINIMUM	1.87	2.17	2.29	2.64	2.94	1.58	1.29	1.27	1.43	1.58	NR	NR	MINIMUM

E- Estimated
NR- No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 49 28	121 33 05	SE 20 1S 4E		9.7	12-26-1955		DEC 1948-DATE	1948	1952	-2.25	USCGS
								1952		-2.12	USCGS
									1964	-2.56	USCGS
								1964		-3.00	USCGS

Station located approximately 2,000 feet below junction with Grant Line Canal. Station located in tidal zone. Maximum gage height liated does not indicata maximum discharge.

TABLE B-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

ITALIAN SLOUGH NEAR MOUTH

in feet

STATION NO	WATER YEAR
B95278	1970

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	3.54 -0.28	2.46 -0.78	2.43 -0.69	3.17 -0.03	4.62 1.37	4.60 0.77	2.34 -1.15	1.73 -1.17	3.09 -0.78	3.22 -1.08	3.19 -0.83	2.63 -0.37	1
2	3.01 -0.24	2.54 -0.65	2.34 -0.65	3.02 -0.18	4.42 0.98	4.13 0.19	2.39 -1.10	1.85 -0.99	3.31 -0.87	3.22 -1.14	2.96 -0.94	2.47 -0.36	2
3	2.52 -0.47	2.54 -0.55	2.73 -0.33	3.45 -0.13	4.56 1.96	4.17 0.24	2.38 -0.97	2.42 -0.83	3.61 -0.64	3.29 -1.07	2.88 -0.69	2.49 -0.23	3
4	2.17 -1.02	2.63 -0.36	2.96 -0.02	4.02 -0.04	5.23 0.99	4.59 1.76	2.19 -0.99	2.94 -0.47	3.57 -0.75	3.29 -0.92	2.75 -0.70	2.85 0.11	4
5	2.67 -0.96	2.99 0.30	3.06 -0.19	3.75 1.15	4.93 1.30	4.62 0.96	2.29 -0.79	3.14 -0.78	3.95 -0.26	3.35 -0.71	2.30 -0.75	2.61 -0.13	5
6	2.47 -0.89	2.76 0.10	3.52 0.43	3.79 -0.30	4.62 1.20	4.02 0.74	2.62 -0.73	3.28 -0.83	3.79 -0.57	3.17 -0.92	2.26 -0.64	2.72 -0.56	6
7	2.43 -0.69	3.15 0.28	3.92 -0.17	4.04 -0.34	4.37 1.02	4.09 0.55	2.86 -0.93	3.06 -1.10	3.38 -0.89	2.85 -0.89	2.17 -0.65	3.11 -0.64	7
8	2.77 -0.34	3.69 0.11	4.14 -0.04	4.40 -0.01	4.06 0.94	4.08 0.89	2.47 -1.17	3.28 -0.95	3.06 -1.08	2.66 -0.73	2.22 -0.72	3.42 -0.56	8
9	2.72 -0.16	4.05 0.16	4.24 0.02	4.56 0.33	3.97 0.95	4.13 1.01	2.49 -1.17	2.90 -1.18	2.34 -1.17	2.40 -0.58	2.68 -0.64	1.99 -0.56	9
10	2.99 -0.02	4.04 0.15	4.27 -0.03	4.09 0.95	4.00 1.06	4.32 1.01	2.47 -1.18	2.91 -1.20	2.16 -1.17	1.90 -0.60	3.13 -0.68	3.44 -0.63	10
11	2.83 -0.24	4.19 0.04	4.12 -0.02	3.53 0.30	4.07 0.97	4.04 0.58	2.34 -1.19	2.36 -1.19	2.13 -1.18	2.70 -0.47	1.75 -0.60	3.47 -0.51	11
12	3.28 -0.48	4.10 -0.08	4.10 0.04	3.31 0.17	4.21 1.12	3.82 0.32	2.00 -1.20	1.88 -1.14	2.22 -1.02	2.61 -0.29	3.64 -0.44	3.56 -0.06	12
13	3.75 -0.32	3.87 -0.27	3.64 0.03	3.35 0.24	4.14 0.90	3.72 0.06	2.57 -0.36	1.66 -1.16	2.35 -0.52	2.91 -0.60	3.69 -0.52	3.95 -0.01	13
14	3.73 -0.23	3.86 -0.41	3.10 -0.16	3.92 0.51	3.92 0.24	3.52 -0.02	2.48 -1.18	1.67 -1.17	2.80 -0.63	3.25 -0.60	3.70 -0.54	3.32 -0.28	14
15	4.01 -0.41	3.67 -0.22	2.79 -0.26	3.88 0.39	3.71 0.19	3.14 -0.28	1.42 -1.17	1.78 -1.15	2.73 -0.92	3.70 -0.44	3.85 -0.36	2.97 -0.29	15
16	4.13 -0.08	3.03 -0.15	2.98 -0.21	4.66 1.39	3.77 0.91	2.78 -0.50	1.78 -1.14	2.06 -0.72	3.07 -1.03	3.79 -0.61	3.68 -0.40	2.89 -0.24	16
17	3.85 -0.19	2.32 -0.63	3.13 0.04	4.77 1.39	3.78 1.81	2.85 -0.34	1.56 -1.15	2.55 -0.58	3.31 -1.07	3.62 -0.87	3.51 -0.31	2.97 -0.24	17
18	3.40 -0.36	2.37 -0.79	3.21 -0.06	4.89 2.58	3.81 0.33	2.51 -0.80	1.59 -1.18	2.98 -0.60	3.44 -1.10	3.89 -0.69	3.22 -0.28	3.19 -0.39	18
19	2.56 -0.55	2.15 -0.72	3.79 0.32	5.17 1.59	3.41 0.14	2.45 -0.71	1.85 -0.97	3.03 -0.96	3.66 -1.05	3.75 -0.72	2.91 -0.17	3.29 -0.33	19
20	2.84 -0.65	2.70 -0.42	4.18 1.28	5.07 2.36	3.58 0.02	2.60 0.33	1.83 -1.18	3.15 -1.05	3.81 -0.67	3.47 -0.64	2.86 -0.26	3.24 -0.32	20
21	2.76 -0.37	3.24 0.39	4.67 0.46	5.44 2.20	3.71 0.23	2.63 -0.40	2.05 -1.18	3.31 -1.08	3.74 -0.73	3.13 -0.71	3.03 -0.08	2.88 -0.50	21
22	3.19 0.08	3.64 -0.20	3.91 0.53	5.35 2.60	3.31 0.30	2.57 -0.32	2.24 -1.17	3.55 -1.02	3.50 -0.79	2.60 -0.80	3.05 -0.16	2.65 -0.96	22
23	3.35 0.29	3.51 -0.27	3.97 -0.06	6.00 2.70	3.01 0.16	2.67 -0.25	2.46 -1.17	3.60 -1.06	3.55 -0.52	2.81 -0.41	2.99 -0.57	2.10 -1.00	23
24	3.48 0.19	3.25 -0.49	3.93 0.25	5.48 3.91	3.15 0.20	2.73 -0.44	2.72 -1.18	3.54 -1.00	2.78 -0.79	2.97 -0.14	1.82 -0.81	2.68 -0.93	24
25	3.47 0.04	3.31 -0.64	4.36 0.11	4.94 3.35	3.31 0.48	2.90 -0.43	2.97 -1.20	4.11 -0.46	2.51 -0.92	1.97 -0.13	3.11 -0.83	2.57 -0.96	25
26	3.69 -0.04	3.22 -0.60	3.57 0.37	4.62 3.20	3.27 0.38	3.04 -0.11	3.25 -1.20	3.36 -0.67	2.47 -0.64	3.12 -0.44	3.21 -0.78	2.32 -0.99	26
27	3.77 -0.05	3.43 -0.59	3.09 0.08	5.16 3.15	3.61 0.39	3.02 -0.83	3.17 -1.15	2.93 -0.97	2.83 -0.37	3.39 -0.53	3.05 -0.79	2.32 -0.81	27
28	3.54 -0.14	3.07 -0.46	2.87 -0.23	4.33 2.71	3.99 0.47	3.22 -0.84	2.39 -1.20	2.31 -1.17	2.94 -0.78	3.60 -0.64	3.07 -0.62	2.30 -0.57	28
29	3.21 -0.47	2.76 -0.50	2.59 -0.30	4.34 2.24		3.53 -0.76	2.07 -1.20	2.30 -1.07	3.28 -1.02	3.42 -0.78	3.28 -0.30	2.35 -0.36	29
30	2.99 -0.87	2.47 -0.61	2.64 -0.29	4.72 2.06		3.45 -0.93	1.80 -1.18	2.43 -0.85	3.10 -1.16	3.32 -0.78	3.24 -0.25	2.46 -0.24	30
31	2.85 -0.92		2.69 -0.21	4.64 1.82		2.85 -1.15		2.62 -0.91		3.17 -0.88	2.90 -0.38		31
MAXIMUM	4.13	4.19	4.67	6.00	5.23	4.62	3.25	4.11	3.95	3.89	3.85	3.95	MAXIMUM
MINIMUM	-1.02	-0.79	-0.69	-0.34	0.02	-1.15	-1.20	-1.20	-1.18	-1.14	-0.94	-1.00	MINIMUM

E- Estimated
NR- No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 51 38	121 34 48	NW 7 1S 48		6.34	2-15-69		MAY 1968-DATE	1968		0.00	USCGS

Station located on Clifton Court Island, 6.1 miles southeast of Byron. Station located in tidal zone.

TABLE B-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

GRANT LINE CANAL AT TRACY ROAD BRIDGE

in feet

STATION NO	WATER YEAR
B95300	1970

DATE	OCT	NOV.	DEC	JAN.	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.70 3.09	5.49 2.64	5.51 2.74	6.38 3.24	8.02 5.83	7.78 4.25	5.25 1.75	4.48 1.80	6.03 2.44	6.16 2.10	5.95 2.20	5.50 2.67	1
2	6.13 3.05	5.74 2.76	5.46 2.74	6.14 3.20	7.65 5.18	7.26 3.84	5.33 2.15	4.67 2.14	6.25 2.38	6.15 1.99	5.71 2.15	5.34 2.66	2
3	5.62 2.93	5.74 2.88	5.85 3.03	6.49 3.85	7.77 4.73	7.39 5.20	5.40 3.00	5.41 2.31	6.57 2.61	6.24 2.11	5.76 2.35	5.43 2.76	3
4	5.59 2.35	5.74 3.03	6.08 3.35	7.21 3.25	8.51 4.71	7.78 4.04	5.09 2.23	5.95 2.69	6.59 2.61	6.16 2.18	5.52 2.39	5.66 2.93	4
5	5.74 2.37	6.10 3.59	6.17 3.42	6.84 3.32	8.14 4.97	7.91 4.73	5.16 2.16	6.15 2.49	6.98 3.03	6.22 2.46	5.05 2.27	5.50 2.95	5
6	5.58 2.49	5.95 3.43	6.71 3.20	6.89 3.08	7.82 4.90	7.26 4.58	5.51 2.40	6.27 2.39	6.80 2.78	6.09 2.17	5.11 2.37	5.63 2.51	6
7	5.59 2.67	6.20 3.47	7.10 3.25	7.15 3.07	7.68 4.77	7.42 4.54	5.66 2.23	6.07 2.18	6.38 2.44	5.68 2.16	4.89 2.35	6.05 2.44	7
8	5.95 3.02	6.83 3.49	7.25 3.36	7.51 3.37	7.36 4.69	7.41 4.84	5.28 1.92	6.31 2.31	6.06 2.15	5.51 2.28	4.96 2.23	6.29 2.53	8
9	5.87 3.16	7.27 3.59	7.34 3.42	7.67 3.64	7.18 4.66	7.48 4.91	5.28 1.88	5.88 2.08	5.29 1.90	5.31 2.40	4.27 2.33	5.03 2.50	9
10	6.16 3.25	7.24 3.60	7.39 3.37	7.29 4.25	7.15 4.71	7.65 4.92	5.19 1.96	5.90 2.01	5.10 1.90	5.22 2.38	5.46 2.31	6.38 2.46	10
11	5.98 3.20	7.40 3.49	7.21 3.39	6.73 3.66	7.26 4.58	7.26 4.54	5.11 1.67	5.37 1.93	5.15 2.03	5.55 2.49	5.96 2.39	6.41 2.58	11
12	6.43 2.84	7.30 3.40	7.24 3.43	6.49 3.51	7.46 4.67	7.04 4.21	4.75 1.55	4.88 1.58	5.19 2.30	5.43 2.67	6.39 2.54	6.47 3.02	12
13	6.91 2.98	7.08 3.24	6.82 3.41	6.38 3.52	7.25 4.48	6.96 3.92	5.43 2.74	4.62 1.64	5.32 2.69	5.72 2.40	6.45 2.49	6.90 3.12	13
14	6.87 3.04	7.07 3.11	6.28 3.22	7.00 3.69	7.12 4.00	6.76 3.76	5.44 1.35	4.64 1.70	5.79 2.59	6.08 2.42	6.56 2.51	6.25 2.85	14
15	7.14 2.87	6.86 3.28	5.85 3.09	6.97 3.55	6.90 3.89	6.38 3.46	4.34 1.63	4.74 1.99	5.73 2.39	6.51 2.60	6.61 2.68	5.91 2.84	15
16	7.29 3.24	6.26 3.39	6.05 3.08	7.82 4.64	6.86 5.18	5.91 3.19	4.68 1.81	5.00 2.44	6.05 2.32	6.67 2.44	6.42 2.67	5.81 2.84	16
17	7.01 3.18	6.08 2.93	6.21 3.27	8.01 5.47	7.07 4.39	6.11 4.60	4.57 2.04	5.55 2.62	6.23 2.17	6.47 2.19	6.29 2.75	5.90 2.85	17
18	5.96 3.03	5.59 2.70	6.28 3.24	8.15 4.78	7.09 3.93	5.75 3.33	4.51 2.00	6.02 2.75	6.31 2.08	6.68 2.39	5.98 2.80	6.13 2.72	18
19	6.55 2.85	5.09 2.71	6.77 3.91	8.51 5.21	6.68 3.82	5.68 2.81	4.76 2.15	6.06 2.61	6.57 2.11	6.54 2.38	5.70 2.87	6.22 2.86	19
20	6.02 2.76	5.69 3.05	7.26 3.54	8.49 6.32	6.70 3.75	5.63 2.86	4.72 1.71	6.20 2.35	6.66 2.46	6.28 2.46	5.72 2.76	6.17 2.82	20
21	5.96 3.01	6.30 2.96	7.76 3.73	8.91 6.29	6.96 3.94	5.78 3.07	4.82 1.88	6.39 2.33	6.55 2.40	5.87 2.42	5.82 2.90	5.78 2.64	21
22	6.43 3.40	6.84 3.19	6.96 3.80	8.83 6.67	6.57 4.02	5.74 3.13	4.94 1.59	6.63 2.36	6.33 2.36	5.32 2.23	5.83 2.86	4.91 2.21	22
23	6.58 3.64	6.70 3.15	7.02 3.23	9.68 6.81	6.26 3.86	5.80 3.14	5.38 1.64	6.66 2.25	6.46 2.69	5.34 2.58	4.74 2.51	5.54 2.13	23
24	6.72 3.63	6.32 2.99	7.02 3.49	9.42 8.42	6.30 3.85	5.82 2.95	5.64 1.74	6.55 2.26	5.76 2.43	5.50 2.81	5.82 2.25	5.57 2.20	24
25	6.71 3.54	6.31 2.78	7.55 3.39	8.68 7.80	6.47 4.00	5.97 2.91	5.91 2.03	7.13 2.77	5.54 2.28	5.80 2.85	5.96 2.28	5.53 2.18	25
26	6.93 3.42	6.29 2.80	6.71 3.65	8.34 7.41	6.40 3.93	6.03 3.21	6.23 1.98	6.43 2.59	5.42 2.62	5.87 2.54	6.08 2.34	5.19 2.14	26
27	7.00 3.47	6.63 2.83	6.32 3.46	8.83 7.32	6.64 3.95	6.04 2.47	6.18 2.00	5.97 2.39	5.81 2.81	6.17 2.48	5.89 2.28	5.19 2.30	27
28	6.75 3.40	6.17 3.01	6.09 3.20	8.07 6.94	7.12 3.97	6.30 2.42	5.37 1.71	5.25 2.08	5.89 2.46	6.41 2.42	5.91 2.44	5.14 2.53	28
29	6.33 3.05	5.98 2.95	5.74 3.10	7.98 6.47		6.64 2.51	5.14 1.82	5.21 2.18	6.22 2.18	6.20 2.25	6.13 2.78	5.29 2.71	29
30	6.10 2.66	5.67 2.83	5.76 3.06	8.27 6.22		6.43 2.37	4.82 1.64	5.37 2.36	6.04 2.11	6.10 2.24	6.13 2.81	5.45 2.86	30
31	5.98 2.56		5.80 3.10	8.08 5.79		5.83 2.02		5.55 2.32		5.96 2.23	5.79 2.68		31
MAXIMUM	7.29	7.40	7.76	9.68	8.51	7.91	6.23	7.13	6.98	6.68	6.61	6.90	MAXIMUM
MINIMUM	2.35	2.64	2.74	3.07	3.75	2.02	1.35	1.58	1.90	1.99	2.15	2.13	MINIMUM

E- Estimated
NR- No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

A High flows affected the normal tidal pattern. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 49 13	121 26 55	NE 29 1S 5E		14.7	12-11-1950		OCT 40-SEPT 66 MAR 68-DATE	1940	1952	-3.66	USCGS
								1952	1953	-4.13	USCGS
								1953	1960	-2.13	USCGS
								1960		-3.00	USCGS
									1964	-3.56	USCGS
								1964		-3.00	USCGS

Station located at Tracy Road bridge crossing, 5 miles north of Tracy. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge. Station was discontinued October 4, 1966, and reactivated March 1, 1968.

TABLE B-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

OLD RIVER NEAR BYRON

in feet

STATION NO	WATER YEAR
895270	1970

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	3.45 -0.33	2.40 -0.88	2.37 -0.81	3.02 -0.13	4.44 1.25	4.45 0.68	2.32 -1.48	1.75 -1.45	3.05 -0.78	3.18 -1.18	3.20 -0.85	2.59 -0.42	1
2	2.91 -0.32	2.40 -0.76	2.25 -0.78	2.92 -0.29	4.28 0.82	4.02 0.09	2.40 -1.10	1.92 -1.03	3.26 -0.68	3.18 -1.23	2.95 -0.93	2.43 -0.40	2
3	2.42 -0.56	2.31 -0.64	2.64 -0.45	3.34 -0.26	4.43 1.91	4.00 0.11	2.35 -0.97	2.34 -0.89	3.55 -0.65	3.26 -1.08	2.87 -0.70	2.52 -0.27	3
4	2.03 -1.09	2.58 -0.46	2.87 -0.14	3.88 -0.18	5.06 0.85	4.48 0.82	2.15 -0.99	2.84 -0.51	3.52 -0.74	3.25 -0.94	2.77 -0.65	2.86 -0.11	4
5	2.56 -1.02	2.93 0.21	2.98 -0.32	3.65 1.12	4.80 1.16	4.44 1.70	2.25 -0.81	3.06 -0.81	3.89 -0.25	3.34 -0.68	2.33 -0.73	2.55 -0.18	5
6	2.41 -0.96	2.74 0.00	3.38 -0.31	3.70 -0.43	4.50 1.04	3.88 0.60	2.58 -0.70	3.20 -0.89	3.72 -0.56	3.12 -0.91	2.21 -0.66	2.67 -0.60	6
7	2.41 -0.76	3.07 0.00	3.78 0.75	3.98 -0.48	4.20 0.89	3.90 0.38	2.92 -0.94	2.98 -1.12	3.32 -0.89	2.83 -0.89	2.19 -0.62	3.07 -0.69	7
8	2.63 -0.40	3.56 0.72	4.06 -0.18	4.33 -0.15	3.89 0.81	3.89 0.72	2.51 -1.28	3.20 -0.99	3.04 -1.09	2.65 -0.74	2.25 -0.74	3.37 -0.59	8
9	2.61 -0.24	3.90 0.05	4.16 -0.11	4.49 0.20	3.87 0.82	3.95 0.87	2.53 -1.28	2.88 -1.24	2.31 -1.39	2.40 -0.58	2.67 -0.65	1.89 -0.61	9
10	2.86 -0.11	3.90 0.04	4.18 -0.17	3.94 0.83	3.87 0.94	4.15 0.87	2.54 -1.29	2.83 -1.31	2.12 -1.36	2.63 -0.61	3.10 -0.69	3.33 -0.68	10
11	2.71 -0.23	4.03 -0.09	4.04 -0.16	3.39 0.17	3.98 0.87	3.92 0.44	2.37 -1.51	2.30 -1.43	2.08 -1.29	1.41 -0.47	1.67 -0.61	3.38 -0.57	11
12	3.15 -0.53	3.95 -0.20	3.90 -0.10	3.18 0.05	4.07 1.02	3.72 0.18	2.05 -1.61	1.81 -1.74	2.16 -1.03	2.60 -0.30	3.62 -0.45	3.48 -0.09	12
13	3.63 -0.40	3.72 -0.38	3.50 -0.12	3.30 0.13	4.04 0.80	3.55 -0.07	2.63 -0.35	1.65 -1.69	2.30 -0.54	2.89 -0.60	3.67 -0.53	3.87 -0.08	13
14	3.59 -0.30	3.71 -0.52	2.96 -0.30	3.84 0.42	3.77 0.15	3.37 -0.13	2.42 -1.85	1.67 -1.59	2.77 -0.66	3.23 -0.60	3.68 -0.55	3.24 -0.33	14
15	3.89 -0.47	3.50 -0.34	2.70 -0.39	3.79 0.31	3.54 0.04	2.97 -0.43	1.38 -1.53	1.79 -1.24	2.70 -0.94	3.70 -0.46	3.84 -0.39	2.88 -0.34	15
16	4.00 -0.16	2.87 -0.27	2.92 -0.32	4.62 1.31	3.69 0.82	2.67 -0.59	1.74 -1.32	2.04 -0.74	3.05 -1.01	3.78 -0.64	3.66 -0.43	2.78 -0.29	16
17	3.71 -0.30	2.34 -0.76	3.08 -0.07	4.62 1.29	3.70 1.73	2.72 -0.44	1.62 -1.14	2.48 -0.59	3.31 -1.05	3.62 -0.88	3.49 -0.34	2.87 -0.28	17
18	3.26 -0.44	2.23 -0.93	3.14 -0.18	4.72 2.50	3.64 0.23	2.35 -0.91	1.68 -1.16	2.91 -0.60	3.41 -1.11	3.84 -0.69	3.20 -0.30	3.13 -0.43	18
19	2.41 -0.65	2.12 -0.84	3.71 0.23	5.00 1.43	3.25 0.05	2.37 -0.81	1.83 -0.95	2.99 -0.93	3.59 -1.07	3.69 -0.73	2.89 -0.19	3.25 -0.34	19
20	2.75 -0.75	2.64 -0.53	4.11 1.18	4.89 2.19	3.46 -0.07	2.54 0.26	1.79 -1.47	3.09 -1.07	3.80 -0.69	3.42 -0.60	2.85 -0.29	3.22 -0.35	20
21	2.66 -0.49	3.21 0.28	4.62 0.36	5.24 2.00	3.53 0.15	2.51 -0.49	2.15 -1.29	3.23 -1.09	3.71 -0.73	3.14 -0.68	3.03 -0.11	2.85 -0.53	21
22	3.04 -0.03	3.50 -0.32	3.81 0.42	5.15 2.41	3.14 0.23	2.45 -0.41	2.28 -1.58	3.47 -1.03	3.49 -0.79	2.62 -0.81	3.03 -0.19	2.61 -0.98	22
23	3.19 0.19	3.36 -0.40	3.92 -0.19	5.80 2.50	2.85 0.08	2.54 -0.31	2.41 -1.60	3.50 -1.07	3.51 -0.51	2.81 -0.42	2.97 -0.58	2.00 -1.05	23
24	3.33 0.11	3.18 -0.62	3.85 0.15	5.28 3.73	3.00 0.13	2.61 -0.49	2.65 -1.51	3.45 -1.01	2.74 -0.82	2.98 -0.16	3.08 -0.84	2.67 -0.96	24
25	3.31 -0.03	3.24 -0.75	4.23 0.00	4.77 3.13	3.23 0.41	2.81 -0.47	2.91 -1.34	4.01 -0.46	2.13 -0.91	1.91 -0.14	1.95 -0.85	2.54 -0.99	25
26	3.54 -0.19	3.16 -0.71	3.46 0.27	4.45 3.01	3.16 0.28	2.94 -0.21	3.17 -1.31	3.33 -0.66	2.49 -0.61	3.12 -0.44	3.19 -0.79	2.32 -1.01	26
27	3.61 -0.16	3.27 -0.70	2.94 -0.04	5.00 2.96	3.48 0.30	2.91 -0.89	3.09 -1.26	2.85 -0.94	2.86 -0.35	3.38 -0.53	3.01 -0.81	2.28 -0.83	27
28	3.38 -0.25	2.98 -0.60	2.71 -0.33	4.16 2.54	3.85 0.38	3.12 -0.88	2.31 -1.62	2.29 -1.21	2.95 -0.74	3.56 -0.64	3.05 -0.65	2.27 -0.61	28
29	3.10 -0.57	2.66 -0.64	2.53 -0.42	4.15 2.07		3.40 -0.79	1.96 -1.53	2.28 -1.06	3.22 -1.03	3.42 -0.79	3.23 -0.35	2.33 -0.40	29
30	2.88 -0.90	2.32 -0.75	2.54 -0.40	4.53 1.90		3.34 -0.96	1.71 -1.60	2.44 -0.85	3.06 -1.21	3.33 -0.80	3.19 -0.30	2.45 -0.26	30
31	2.73 -0.99		2.59 -0.31	4.45 1.67		2.81 -1.29		2.58 -0.94		3.22 -0.83	2.85 -0.43		31
MAXIMUM	4.00	4.03	4.62	5.80	5.06	4.48	3.17	4.01	3.89	3.84	3.84	3.87	MAXIMUM
MINIMUM	-1.09	-0.93	-0.81	-0.48	-0.07	-1.29	-1.85	-1.74	-1.39	-1.23	-0.93	-1.05	MINIMUM

E- Estimated
NR- No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 53 28	121 34 09	NE 31 1N 4E		6.17	2-15-1969		MAY 1963-DATE	1943 1964	1964	-10.42 0.00	USCGS USCGS

Station located at Highway 4 bridge, 4.2 miles east of Byron. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge.

TABLE B-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

OLD RIVER NEAR ROCK SLOUGH (in feet)

STATION NO	WATER YEAR
B95180	1970

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.51 2.77	5.56 2.15	5.41 2.16	6.04 2.92	7.28 4.18	7.45 3.69	5.55 1.66	4.98 1.74	6.34 2.38	6.48 2.02	6.51 2.40	5.84 2.72	1
2	5.99 2.79	5.41 2.24	5.37 2.21	5.99 2.69	7.29 3.73	7.08 3.07	5.61 2.00	5.15 2.09	6.55 2.29	6.46 1.97	6.28 2.31	5.68 2.78	2
3	5.51 2.45	5.51 2.37	5.79 2.56	6.45 2.68	7.48 3.74	6.98 3.01	5.64 2.18	5.50 2.19	6.80 2.49	6.55 2.14	6.19 2.51	5.72 2.91	3
4	5.68 2.03	5.77 2.55	6.02 2.84	6.89 2.74	8.03 4.09	7.58 3.68	5.39 2.20	5.99 2.53	6.76 2.38	6.55 2.25	6.11 2.62	6.10 3.10	4
5	5.19 2.14	6.12 3.27	6.13 2.63	6.83 2.47	7.88 5.14	7.39 3.47	5.50 2.35	6.22 2.30	7.10 2.86	6.63 2.55	5.70 2.47	5.78 2.98	5
6	5.59 2.13	6.04 3.01	6.42 2.61	6.86 4.14	7.58 3.93	6.88 3.18	5.83 2.51	6.37 2.20	6.93 2.54	6.31 2.29	5.45 2.53	5.89 2.55	6
7	5.59 2.32	6.24 3.02	6.83 2.74	7.15 2.43	7.18 3.77	6.78 3.80	6.13 2.20	6.12 1.94	6.54 2.32	6.12 2.33	5.59 2.60	6.28 2.46	7
8	5.75 2.68	6.67 3.04	7.23 4.27	7.50 2.73	6.86 3.70	6.76 3.53	5.84 1.88	6.32 2.07	6.31 2.13	5.94 2.48	5.63 2.53	6.58 2.59	8
9	5.78 2.80	6.93 3.91	7.32 2.80	7.70 3.11	6.84 3.72	6.83 3.69	5.91 1.87	6.17 2.04	5.55 1.84	5.68 2.66	6.00 2.59	6.52 2.54	9
10	5.94 2.97	7.00 2.99	7.34 2.75	6.99 3.79	6.96 3.88	7.03 3.70	5.94 1.96	6.03 1.89	5.35 1.87	5.85 2.63	6.37 2.55	5.17 2.45	10
11	5.82 2.85	7.06 2.86	7.20 2.74	6.44 3.07	6.98 3.87	6.82 3.32	5.69 1.59	5.51 1.79	4.77 1.90	5.92 2.75	6.80 2.63	6.53 2.54	11
12	6.30 2.55	6.97 2.75	6.98 2.82	6.24 2.98	7.04 4.05	6.69 3.06	5.38 1.60	4.98 1.45	5.43 2.16	6.20 2.95	5.18 2.78	6.65 3.05	12
13	6.75 2.69	6.72 2.56	6.54 2.81	6.44 3.10	7.14 3.82	6.45 2.83	5.92 2.87	4.88 1.48	5.56 2.64	4.53 2.64	6.96 2.69	7.03 3.03	13
14	6.71 2.81	6.70 2.43	6.00 2.61	7.06 3.47	6.72 3.17	6.28 2.82	5.58 1.36	4.92 1.61	6.03 2.52	6.52 2.66	7.03 2.65	6.41 2.76	14
15	7.04 2.60	6.52 2.63	5.85 2.56	6.93 3.39	6.52 3.04	5.88 2.47	4.73 1.67	5.07 1.96	5.97 2.21	6.99 2.77	7.14 2.81	6.05 2.75	15
16	7.04 2.89	5.86 2.67	6.13 2.67	7.86 4.38	6.86 3.83	5.68 2.41	4.97 1.88	5.35 2.46	6.32 2.18	7.08 2.57	6.98 2.77	5.94 2.85	16
17	6.78 2.73	5.42 2.17	6.28 2.95	7.63 4.32	6.81 3.19	5.68 2.43	5.02 2.09	5.72 2.58	6.62 2.16	6.95 2.34	6.79 2.84	6.03 2.86	17
18	6.32 2.60	5.26 2.04	6.33 2.79	7.69 4.44	6.57 3.06	5.21 1.99	5.10 2.05	6.11 2.55	6.71 2.08	7.07 2.51	6.50 2.89	6.41 2.72	18
19	5.87 2.35	5.37 2.16	6.99 3.25	7.99 5.06	6.21 2.92	5.45 2.16	5.12 2.23	6.24 2.30	6.81 2.10	6.94 2.44	6.21 2.99	6.51 2.82	19
20	5.47 2.27	5.86 2.49	7.30 3.31	7.81 6.00	6.56 4.15	5.68 2.49	5.03 1.69	6.29 2.03	7.10 2.47	6.77 2.61	6.16 2.92	6.48 2.81	20
21	5.80 2.48	6.35 2.67	7.83 3.40	8.05 4.82	6.53 3.16	5.55 2.58	5.55 1.93	6.45 2.05	7.04 2.45	6.48 2.59	6.31 3.08	6.11 2.62	21
22	6.11 2.95	6.54 2.57	6.95 4.62	7.97 5.22	6.13 3.24	5.48 2.73	5.55 1.60	6.66 2.10	6.81 2.40	6.01 2.40	6.34 3.06	5.85 2.16	22
23	6.26 3.10	6.40 3.79	7.10 2.77	8.59 5.32	5.83 3.10	5.59 2.71	5.60 1.54	6.67 2.04	6.78 2.66	6.16 2.79	6.28 2.64	5.90 2.12	23
24	6.39 2.94	6.35 2.35	7.04 3.11	8.11 6.51	6.00 3.18	5.67 2.58	5.85 1.63	6.62 2.15	6.01 2.33	6.34 3.05	6.37 2.38	5.13 2.22	24
25	6.37 3.50	6.42 2.23	7.26 2.96	7.62 5.87	6.25 3.43	5.94 2.57	6.09 1.92	7.16 2.68	5.80 2.29	6.44 3.11	5.09 2.36	5.72 2.19	25
26	6.59 2.71	6.32 2.27	6.56 3.21	7.30 5.86	6.26 3.29	6.06 2.64	6.31 1.86	6.52 2.49	5.09 2.64	6.67 2.81	6.41 2.41	5.52 2.16	26
27	6.63 2.77	6.31 2.28	5.90 2.88	7.84 5.80	6.58 3.31	6.00 2.16	6.22 1.92	6.01 2.29	6.22 2.89	5.21 2.71	6.27 2.37	5.55 2.35	27
28	6.41 2.69	6.09 2.34	5.68 2.57	7.00 5.43	6.87 3.46	6.23 2.22	5.44 1.43	5.60 2.03	6.26 2.51	6.82 2.60	6.32 2.53	5.56 2.55	28
29	6.25 2.41	5.76 2.31	5.58 2.54	6.96 4.98		6.37 2.30	5.07 1.50	5.59 2.15	6.46 2.14	6.73 2.45	6.47 2.83	5.53 2.75	29
30	6.00 2.23	5.33 2.20	5.65 2.59	7.32 4.84		6.38 2.10	4.86 1.59	5.71 2.35	6.35 1.96	6.65 2.43	6.43 2.84	5.63 2.87	30
31	5.79 2.12		5.73 2.71	7.28 4.59		5.91 1.79		5.89 2.20		6.58 2.41	6.10 2.73		31
MAXIMUM	7.04	7.06	7.83	8.59	8.03	7.58	6.31	7.16	7.10	7.08	7.14	7.03	MAXIMUM
MINIMUM	2.03	2.04	2.16	2.43	2.92	1.79	1.36	1.45	1.84	1.97	2.31	2.12	MINIMUM

E- Estimated
NR- No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 59 25	121 34 49	SW 30 2N 4E		10.0	12-26-1955		MAR 1945-DATE	1945		0.00	USED
								1945		-3.00	USCGS
									1964	-3.58	USCGS
								1964		-3.00	USCGS

Station located on American Island (formerly Holland Tract), 1.2 miles north of Rock Slough, 4.7 miles northeast of Knightsen. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge.
Station rendered inoperative by amphibious craft 10-1-68. Reinstalled 4-24-69.

TABLE 8-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

MOKELUMNE RIVER NEAR THORNTON

in feet

STATION NO	WATER YEAR
B94175	1970

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	3.86 0.89	2.95 0.93	2.71 -0.08	3.33 0.58	8.56 A 8.32 A	5.11 A 4.06 A	3.10 0.50	2.46 -0.38	3.54 0.01	3.66 -0.30	3.74 0.10	3.16 0.37	1
2	3.25 0.90	2.74 0.37	2.72 -0.09	3.26 0.33	8.42 A 8.16 A	8.21 A 4.16 A	3.15 0.59	2.61 -0.13	3.70 -0.10	3.65 -0.32	3.55 0.06	3.02 0.43	2
3	2.76 0.37	2.85 0.16	3.13 0.19	3.65 0.35	8.29 A 8.04 A	8.38 A 7.27 A	3.18 0.67	2.96 0.00	3.86 0.07	3.73 -0.18	3.50 0.20	3.08 0.54	3
4	2.42 0.19	3.09 0.16	3.31 0.51	3.99 1.45	8.28 A 8.00 A	7.25 A 6.43 A	3.00 0.86	3.39 0.37	3.82 -0.02	3.75 -0.06	3.43 0.33	3.35 0.77	4
5	3.00 0.33	3.40 0.73	3.44 0.40	3.95 0.44	8.15 A 7.83 A	7.68 A 6.33 A	3.11 0.60	3.61 0.34	4.11 0.43	3.81 0.27	3.06 0.11	3.13 0.49	5
6	2.95 0.33	3.33 0.57	3.66 0.85	3.96 0.16	7.81 A 7.47 A	7.80 A 7.07 A	3.42 0.76	3.78 0.26	4.04 0.19	3.56 -0.05	2.84 0.14	3.24 0.31	6
7	2.97 0.50	3.67 0.82	3.95 0.32	4.15 0.11	7.46 A 7.14 A	7.04 A 6.07 A	3.63 0.59	3.51 -0.05	3.68 -0.08	3.37 -0.08	2.94 0.16	3.57 0.25	7
8	3.18 0.82	3.95 0.98	4.27 0.42	4.42 0.43	7.12 A 6.77 A	6.10 5.64	3.38 0.21	3.70 0.11	3.52 -0.30	3.21 0.01	2.99 0.02	3.80 0.35	8
9	3.17 0.84	4.12 0.98	4.35 0.56	4.71 1.06	6.84 6.54	6.92 A 5.73 A	3.42 0.20	3.59 0.09	2.81 -0.53	2.93 0.10	3.30 0.21	3.78 0.31	9
10	3.24 0.99	4.23 0.99	4.24 0.56	4.13 1.65	6.72 6.36	6.86 6.30	3.41 0.25	3.40 -0.07	2.63 -0.56	3.10 0.00	3.63 0.17	2.49 0.31	10
11	3.20 0.53	4.23 0.89	4.10 0.10	3.98 1.42	6.59 6.20	6.56 6.09	3.09 -0.35	2.95 -0.16	2.61 -0.55	3.19 0.13	2.06 0.26	3.80 0.42	11
12	3.67 0.69	4.15 0.77	3.92 0.16	3.87 2.34	6.53 6.07	6.14 A 5.49 A	2.67 -0.30	2.40 -0.54	2.73 -0.46	1.85 0.41	3.95 0.43	3.90 0.94	12
13	4.09 0.90	3.96 0.58	3.57 0.06	3.89 1.94	6.28 5.77	5.60 4.86	3.43 0.83	2.27 -0.65	2.83 0.08	3.44 0.18	4.10 0.39	4.19 1.01	13
14	4.02 1.08	3.92 0.40	3.13 -0.14	4.54 2.27	6.29 A 5.84 A	5.20 4.48	2.94 -0.43	2.35 -0.57	3.29 0.07	3.72 0.30	4.15 0.36	3.73 0.68	14
15	4.40 0.92	3.76 0.55	2.97 -0.25	9.19 A 4.30 A	6.94 A 6.30 A	4.86 4.15	2.18 -0.10	2.48 -0.24	3.24 -0.20	4.12 0.50	4.25 0.57	3.45 0.71	15
16	4.31 1.42	3.18 0.56	3.23 -0.18	9.22 A 9.08 A	6.68 6.46	4.69 4.04	2.44 -0.08	2.80 0.17	3.51 -0.19	4.26 0.32	4.13 0.57	3.36 0.76	16
17	4.03 1.20	2.69 0.05	3.35 0.03	11.01 A 9.24 A	6.40 A 6.08 A	4.38 A 2.48 A	2.50 0.06	3.14 0.37	3.74 -0.18	4.10 0.08	3.98 0.57	3.41 0.75	17
18	3.68 1.14	2.65 -0.12	3.38 -0.06	11.10 A 10.64 A	7.62 A 6.41 A	3.38 2.84	2.60 0.01	3.47 0.38	3.81 -0.27	4.18 0.23	3.75 0.60	3.76 0.63	18
19	2.96 0.99	2.78 -0.05	4.10 1.02	10.62 A 9.33 A	7.38 A 6.32 A	3.45 1.90	2.66 0.01	3.59 0.26	3.87 -0.24	4.11 0.22	3.49 0.61	3.84 0.80	19
20	3.31 0.82	3.23 0.31	4.26 0.58	9.31 A 8.84 A	6.30 A 5.65 A	3.43 1.86	2.47 -0.44	3.63 -0.07	4.10 0.09	3.99 0.37	3.43 0.47	3.87 0.73	20
21	3.28 0.96	3.65 0.84	4.86 0.75	10.17 A 8.82 A	5.62 A 5.26 A	3.12 1.34	3.01 -0.11	3.72 -0.07	4.06 0.13	3.77 0.32	3.55 0.52	3.40 0.56	21
22	3.61 1.36	3.80 0.51	4.25 1.60	12.74 A 10.18 A	5.26 A 4.89 A	3.15 1.21	2.97 -0.44	3.89 -0.05	3.89 0.01	3.35 0.10	3.59 0.63	3.15 0.10	22
23	3.72 1.70	3.67 0.45	4.56 2.38	12.76 A 11.54 A	5.01 4.60	3.22 1.42	2.99 -0.52	3.89 -0.18	3.89 0.29	3.46 0.36	3.53 0.31	3.19 0.01	23
24	3.83 1.63	3.65 0.25	4.29 2.38	11.52 A 10.37 A	4.88 4.42	3.26 1.29	3.20 -0.47	3.83 -0.04	3.26 -0.14	3.61 0.54	3.60 0.04	2.39 0.04	24
25	3.81 1.59	3.68 0.16	5.30 1.96	10.38 A 10.17 A	4.86 4.30	3.41 1.15	3.42 -0.14	4.28 0.49	2.63 -0.29	2.39 0.64	2.39 0.01	2.95 -0.07	25
26	3.99 1.42	3.60 0.19	5.46 4.80	10.15 A 9.57 A	4.71 3.99	3.52 1.54	3.60 -0.13	3.81 0.33	3.05 0.08	3.70 0.45	3.64 0.11	2.87 -0.01	26
27	4.01 1.51	3.55 0.18	4.75 4.22	9.56 A 9.36 A	4.70 3.87	3.50 1.30	3.51 -0.18	3.33 0.00	3.51 0.20	3.87 0.38	3.51 0.07	2.92 0.18	27
28	3.82 1.42	3.37 0.17	3.51 2.68	9.74 A 9.39 A	4.77 3.86	3.78 1.33	2.72 -0.65	2.93 -0.34	3.47 0.18	3.99 0.32	3.60 0.26	2.95 0.35	28
29	3.82 1.32	3.04 0.12	3.16 1.33	9.57 A 9.07 A		3.71 1.24	2.41 -0.53	2.91 -0.35	3.61 -0.28	3.91 0.15	3.72 0.55	2.92 0.52	29
30	3.63 1.45	2.61 0.00	3.08 0.85	9.07 A 8.77 A		3.52 0.91	2.27 -0.47	3.01 -0.25	3.53 -0.45	3.86 0.17	3.75 0.63	3.02 0.60	30
31	3.36 1.30		3.08 0.60	8.76 A 8.51 A		3.23 0.55		3.15 -0.27		3.82 0.14	3.42 0.43		31
MAXIMUM	4.40	4.23	5.46	12.76	8.56	8.38	3.63	4.28	4.11	4.26	4.25	4.19	MAXIMUM
MINIMUM	0.19	-0.12	-0.25	0.11	3.86	0.55	-0.65	-0.65	-0.56	-0.32	0.01	-0.07	MINIMUM

E- Estimated
NR- No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

A High flows affected the normal tidal pattern. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 15 20	121 26 21	NW 28 5N 5E		14.5	2-2-1963		FEB 1959-DATE	1959		0.4	USCGS
									1964	-0.48	USCGS
								1964		0.00	USCGS

Station located at highway bridge, 2.3 miles northwest of Thornton. Also known as "Mokelumne River at Benson's Ferry". Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge. At times, tidal fluctuation is influenced by operation of the Delta Cross Channel gates.

TABLE B-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

STATION NO	WATER YEAR
894150	1970

MOKELUMNE RIVER, SOUTH FORK AT NEW HOPE BRIDGE in feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	3.89 0.50	2.87 0.02	2.71 -0.20	3.32 0.16	4.78 2.50	4.73 1.25	3.03 -0.19	2.44 -0.53	3.69 -0.01	3.83 -0.32	3.87 0.02	3.24 0.35	1
2	3.24 0.49	2.73 -0.03	2.72 -0.20	3.26 -0.01	4.85 2.18	4.47 1.39	3.10 0.03	2.60 -0.28	3.88 -0.10	3.82 -0.36	3.64 -0.06	3.10 0.39	2
3	2.71 -0.09	NR NR	3.13 0.09	3.66 0.01	5.04 2.91	4.47 1.39	3.14 0.14	2.95 -0.13	4.10 0.07	3.90 -0.21	3.57 0.13	3.16 0.51	3
4	2.96 -0.30	NR NR	3.33 0.42	4.04 0.10	5.56 2.17	5.11 1.71	2.95 0.12	3.43 0.21	4.03 -0.03	3.92 -0.10	3.49 0.23	3.43 0.76	4
5	2.53 -0.14	NR NR	3.47 0.26	4.00 -0.02	5.43 2.46	4.88 2.37	3.06 0.22	3.67 0.09	4.39 0.43	3.98 0.22	3.10 0.04	3.19 0.47	5
6	2.90 -0.15	NR NR	3.75 0.26	4.03 -0.17	5.10 2.30	4.47 2.17	3.40 0.38	3.84 0.01	4.27 0.17	3.68 -0.08	2.88 0.08	3.29 0.21	6
7	2.94 0.01	NR NR	4.15 1.17	4.26 -0.21	4.71 2.04	4.31 1.47	3.65 0.10	3.56 -0.29	3.84 -0.06	3.47 -0.09	2.99 0.13	3.66 0.16	7
8	3.15 0.35	NR NR	4.58 0.39	4.58 0.08	4.36 1.85	4.24 1.49	3.36 -0.23	3.76 -0.12	3.64 -0.27	3.29 0.01	3.03 -0.02	3.91 0.27	8
9	3.14 0.38	NR NR	4.67 0.52	4.94 0.63	4.35 1.77	4.38 1.57	3.44 -0.25	3.63 -0.12	2.89 -0.51	3.00 0.15	3.38 0.15	3.89 0.24	9
10	3.21 0.54	NR NR	4.48 0.52	4.16 1.18	4.44 1.81	4.55 1.69	3.42 -0.12	3.41 -0.31	2.68 -0.60	3.19 0.04	3.73 0.13	2.51 0.24	10
11	3.16 0.09	4.38 0.68	4.30 0.05	3.75 0.51	4.43 1.72	4.35 1.35	3.09 -0.69	2.96 -0.38	2.05 -0.55	3.27 0.15	4.12 0.21	3.91 0.33	11
12	3.68 0.22	4.29 0.56	4.08 0.12	3.62 0.49	4.57 1.76	4.18 1.00	2.68 -0.61	2.36 -0.72	2.77 -0.43	3.56 0.42	2.50 0.38	4.07 0.84	12
13	4.13 0.42	4.06 0.37	3.66 0.03	3.79 0.55	4.61 1.68	3.89 0.69	3.49 0.63	2.27 -0.79	2.90 0.12	1.85 0.15	4.28 0.32	4.40 0.86	13
14	4.06 0.59	4.01 0.22	3.17 -0.16	4.43 0.97	4.12 1.15	3.70 0.61	2.96 -0.85	2.35 -0.68	3.39 0.10	3.85 0.25	4.37 0.30	3.86 0.54	14
15	4.45 0.39	3.82 0.37	3.00 -0.25	4.52 1.55	3.99 1.13	3.20 0.19	2.13 -0.61	2.49 -0.35	3.34 -0.19	4.33 0.43	4.49 0.48	3.50 0.53	15
16	4.35 0.76	3.19 0.40	3.29 -0.15	5.59 3.21	4.31 1.70	3.08 0.19	2.39 -0.44	2.80 0.06	3.67 -0.18	4.46 0.22	4.36 0.45	3.41 0.60	16
17	4.05 0.57	2.69 -0.10	3.43 0.09	5.62 3.90	4.24 2.44	2.77 -0.19	2.48 -0.21	3.16 0.23	3.97 -0.17	4.29 -0.01	4.17 0.49	3.47 0.61	17
18	3.63 0.46	2.64 -0.27	3.46 -0.02	6.41 5.25	3.89 1.21	2.44 -0.55	2.58 -0.24	3.53 0.25	4.05 -0.26	4.41 0.15	3.90 0.53	3.87 0.48	18
19	3.24 0.25	2.76 -0.20	4.31 0.57	6.13 4.69	3.57 1.25	2.83 -0.30	2.62 -0.20	3.66 0.09	4.12 -0.23	4.31 0.10	3.63 0.56	3.95 0.65	19
20	2.87 0.13	3.24 0.16	4.43 1.53	5.46 4.27	3.99 0.90	3.08 0.69	2.45 -0.68	3.70 -0.26	4.43 0.09	4.16 0.25	3.58 0.47	3.97 0.58	20
21	3.19 0.30	3.71 0.34	4.98 0.64	5.77 3.49	3.97 1.07	2.91 -0.02	3.00 -0.39	3.82 -0.23	4.37 0.11	3.89 0.22	3.72 0.55	3.45 0.41	21
22	3.53 0.68	3.89 1.09	4.19 0.85	6.99 1.05	3.54 1.05	2.87 -0.01	2.98 -0.71	4.02 -0.18	4.15 0.03	3.42 0.03	3.75 0.64	3.18 -0.06	22
23	3.66 0.84	3.74 0.27	4.43 0.38	7.69 6.40	3.27 0.85	2.98 0.10	2.99 -0.77	4.01 -0.33	4.14 0.31	3.57 0.31	3.68 0.29	3.23 -0.14	23
24	3.80 0.87	3.72 0.07	4.29 0.75	6.92 6.21	3.41 0.83	3.05 -0.01	3.21 -0.71	3.96 -0.18	3.39 -0.10	3.73 -0.53	3.73 0.03	2.40 -0.09	24
25	3.78 0.75	3.75 -0.01	4.61 0.52	6.10 5.26	3.66 1.01	3.25 -0.14	3.46 -0.35	4.52 0.38	3.17 -0.21	3.82 0.64	2.44 0.01	2.98 -0.18	25
26	3.98 0.53	3.65 0.02	3.97 1.02	5.66 5.04	3.65 0.86	3.41 0.54	3.65 -0.35	3.92 0.23	2.47 0.13	4.01 0.38	3.77 0.08	2.89 -0.15	26
27	4.00 0.61	3.60 0.02	3.22 0.67	5.72 4.53	3.93 0.87	3.35 0.25	3.57 -0.38	3.38 -0.04	3.69 0.29	2.52 0.31	3.62 0.03	2.94 0.02	27
28	3.75 0.51	3.40 0.02	2.89 0.09	4.89 3.99	4.19 1.21	3.72 0.32	2.74 -0.91	2.97 -0.40	3.65 0.21	4.17 0.25	3.72 0.22	2.97 0.19	28
29	3.59 0.29	3.05 -0.03	2.93 -0.05	4.85 3.62		3.64 0.36	2.41 -0.76	2.95 -0.36	3.78 -0.29	4.06 0.07	3.86 0.51	2.94 0.37	29
30	3.34 0.18	2.62 -0.13	2.98 -0.04	4.94 3.24		3.40 0.04	2.26 -0.66	3.07 -0.23	3.69 -0.44	4.01 0.08	3.89 0.55	3.05 0.49	30
31	3.09 0.07		3.03 -0.01	4.84 2.90		3.17 -0.16		3.24 -0.31		3.96 0.08	3.51 0.38		31
MAXIMUM	4.45	NR	4.98	7.69	5.56	5.11	3.65	4.52	4.43	4.46	4.49	4.40	MAXIMUM
MINIMUM	-0.30	NR	-0.25	-0.21	0.83	-0.55	-0.91	-0.79	-0.60	-0.36	-0.06	-0.18	MINIMUM

E- Estimated
NR- No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 13 33	121 29 24	NW 1 4N 4E		13.3	12-25-1955		AUG 1920-DATE	1920	1940	0.26	USED
								1940		0.00	USCGS
								1940		2.84	USED
									1964	-0.62	USCGS
								1964		0.00	USCGS

Station located south of Walnut Grove-Thornton Highway bridge, 3.8 miles west of Thornton. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge. At times, tidal fluctuation is influenced by operation of the Delta Cross Channel gates.

TABLE 8-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

SAN JOAQUIN RIVER AT SAN ANDREAS LANDING

in feet

STATION NO	WATER YEAR
B95100	1970

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.47 2.80	5.49 2.20	5.31 2.18	5.95 2.96	7.13 4.15	7.35 3.71	5.54 1.76	NR NR	6.35 2.44	6.47 2.09	6.50 2.48	5.81 2.78	1
2	5.89 2.80	5.33 2.27	5.30 2.24	5.90 2.72	7.19 3.73	6.99 3.08	5.60 2.04	NR NR	6.55 2.32	6.46 2.06	6.28 2.39	5.67 2.85	2
3	5.40 2.26	5.46 2.40	5.72 2.59	6.37 2.69	7.41 3.68	6.87 2.98	5.62 2.27	NR NR	6.79 2.53	6.56 2.22	6.18 2.60	5.69 2.93	3
4	5.60 2.08	5.71 2.59	5.93 2.86	6.80 2.75	7.95 4.09	7.53 3.63	5.40 2.30	NR NR	6.74 2.44	6.56 2.34	6.11 2.66	5.98 3.18	4
5	5.11 2.20	6.06 3.29	6.05 2.60	6.77 2.48	7.81 3.91	7.29 3.44	5.53 2.45	NR NR	7.06 2.84	6.63 2.62	5.71 2.54	5.76 3.02	5
6	5.50 2.18	5.99 3.04	6.34 2.59	6.81 2.41	7.50 4.58	6.84 3.19	5.87 2.47	NR NR	6.93 2.59	6.28 2.37	5.44 2.51	5.68 2.62	6
7	5.52 2.36	6.23 3.06	6.78 2.75	7.09 4.30	7.09 3.76	6.72 3.50	6.16 2.31	NR NR	6.51 2.35	6.11 2.42	5.57 2.67	6.24 2.55	7
8	5.69 2.72	6.60 3.00	7.19 2.81	7.44 2.72	6.77 3.69	6.69 4.00	5.86 1.97	6.32 2.11	6.29 2.21	5.91 2.56	5.63 2.62	6.55 2.66	8
9	5.69 2.79	6.85 2.99	7.29 4.45	7.77 3.18	6.75 3.71	6.77 3.71	5.94 1.94	6.17 2.12	5.54 1.93	5.66 2.76	5.99 2.70	6.49 2.61	9
10	5.80 2.92	6.98 4.11	7.31 2.78	6.91 3.79	6.87 3.87	6.97 3.72	5.94 1.92	6.05 1.96	5.31 1.90	5.81 2.68	6.35 2.66	6.52 2.52	10
11	5.72 2.58	6.99 2.88	7.16 2.75	6.35 3.06	6.89 3.86	6.77 3.36	5.68 1.59	5.50 1.88	5.37 1.95	5.92 2.84	6.77 2.71	5.25 2.62	11
12	6.25 3.34	6.90 2.75	6.92 2.83	6.18 2.98	6.97 4.07	6.63 3.10	5.34 1.68	4.92 1.54	5.52 2.20	6.20 3.04	6.94 2.85	6.65 3.05	12
13	6.72 2.72	6.65 2.56	6.44 2.80	6.39 3.12	7.12 3.84	6.39 2.85	5.94 2.80	4.85 1.50	4.41 2.73	6.51 2.73	5.20 2.77	7.00 3.07	13
14	6.68 2.85	6.65 2.44	5.90 2.62	7.02 3.52	6.63 3.19	6.23 2.88	5.57 1.48	4.88 1.69	6.02 2.52	5.02 2.76	7.03 2.72	6.38 2.78	14
15	7.05 2.64	6.44 2.65	5.76 2.56	6.88 3.50	6.43 3.06	5.80 2.52	4.72 1.74	5.06 2.06	5.97 2.28	6.99 2.84	7.12 2.87	6.01 2.80	15
16	6.97 2.94	5.78 2.63	6.07 2.69	7.84 4.38	6.83 3.83	5.63 2.46	4.96 1.99	5.34 2.55	6.32 2.25	7.08 2.61	6.97 2.83	5.91 2.91	16
17	6.68 2.76	5.28 2.14	6.23 2.98	7.53 4.29	6.72 3.20	5.43 2.31	5.02 2.10	5.71 2.65	6.63 2.21	6.96 2.38	6.78 2.90	6.00 2.93	17
18	6.22 2.61	5.17 2.04	6.27 2.82	7.57 4.45	6.34 2.99	5.06 2.03	5.11 2.05	6.10 2.59	6.72 2.15	7.07 2.59	6.50 2.94	6.40 2.78	18
19	5.80 2.37	5.31 2.17	7.14 3.31	7.90 5.02	6.03 2.87	5.39 2.23	5.13 2.20	6.24 2.42	6.80 2.19	6.95 2.52	6.19 3.04	6.52 2.92	19
20	5.38 2.27	5.78 2.51	7.27 3.34	7.69 4.84	6.46 3.18	5.64 2.58	5.01 1.75	6.29 2.08	7.17 2.52	6.79 2.67	6.14 2.97	6.47 2.86	20
21	5.73 2.50	6.28 2.68	7.80 3.38	7.94 4.85	6.43 4.11	5.51 2.65	5.58 2.01	6.44 2.10	7.04 2.51	6.49 2.64	6.30 3.14	6.06 2.66	21
22	6.03 2.97	6.48 2.59	6.86 2.79	7.83 5.19	6.02 3.27	5.45 2.79	5.56 1.70	6.65 2.15	6.82 2.45	6.02 2.49	6.32 3.07	5.79 2.22	22
23	6.19 3.11	6.33 2.36	7.06 4.76	8.45 5.29	5.73 3.12	5.57 2.79	5.60 1.58	6.65 2.03	6.76 2.67	6.14 2.86	6.27 2.75	5.85 2.19	23
24	6.31 2.97	6.30 3.98	6.97 3.18	7.98 6.51	5.89 3.19	5.65 2.66	5.85 1.61	6.60 2.19	5.99 2.37	6.33 3.10	6.41 2.48	5.03 2.29	24
25	6.30 2.70	6.35 2.24	7.16 2.98	7.47 5.82	6.18 3.45	5.89 2.58	NR NR	7.12 2.70	5.79 2.33	6.44 3.18	6.40 2.44	5.61 2.24	25
26	6.53 3.77	6.26 2.29	6.47 3.20	7.16 5.83	6.18 3.30	6.05 2.49	NR NR	6.46 2.48	6.24 2.66	6.66 2.89	5.07 2.49	5.48 2.24	26
27	6.56 2.79	6.22 2.30	5.73 2.88	7.69 5.84	6.50 3.33	5.90 2.18	NR NR	5.97 2.33	6.28 2.92	6.81 2.79	6.26 2.43	5.52 2.43	27
28	6.34 2.67	6.02 2.34	5.48 2.52	6.79 5.35	6.79 3.56	6.23 2.23	NR NR	5.19 2.08	4.88 2.65	5.25 2.69	6.32 2.59	5.52 2.62	28
29	6.17 2.41	5.67 2.32	5.49 2.56	6.81 4.81		6.21 2.34	NR NR	5.62 2.21	6.44 2.18	6.72 2.56	6.45 2.88	5.49 2.81	29
30	5.93 2.27	5.23 2.22	5.58 2.63	7.18 4.83		6.15 2.09	NR NR	5.69 2.41	6.34 2.03	6.65 2.52	6.42 2.87	5.58 2.93	30
31	5.71 2.19		5.64 2.75	7.14 4.59		5.81 1.85		5.88 2.21		6.59 2.46	6.07 2.78		31
MAXIMUM	7.05	6.99	7.80	8.45	7.95	7.53	NR	NR	7.17	7.08	7.12	7.00	MAXIMUM
MINIMUM	2.08	2.04	2.18	2.41	2.87	1.85	NR	NR	1.90	2.06	2.39	2.19	MINIMUM

E- Estimated
NR- No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 06 12	121 35 26	SE13 3N 3E		9.7	12-26-1955		MAY 1952-DATE	1952		-2.84	USCGS
									1964	-3.39	USCGS
								1964		-3.00	USCGS

Station located approximately 1.2 miles below Mokelumne River. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge.

TABLE B-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

THREE MILE SLOUGH AT SAN JOAQUIN RIVER

in feet

STATION NO	WATER YEAR
B95060	1970

DATE	OCT	NOV	DEC	JAN.	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	3.19 -0.17	2.25 -0.54	2.21 -0.84	2.85 -0.02	3.85 1.19	3.96 0.74	2.34 -0.72	1.89 -1.17	3.21 -0.56	3.17 -0.64	3.07 -0.41	2.36 -0.10	1
2	2.69 -0.13	2.02 -0.48	2.20 -0.76	2.79 -0.28	3.92 0.77	3.84 0.04	2.40 -0.55	2.08 -0.85	3.43 -0.64	3.24 -0.67	2.72 -0.44	2.26 -0.03	2
3	2.21 -0.67	2.06 -0.36	2.64 -0.41	3.28 -0.31	4.13 0.75	3.74 -0.08	2.54 -0.79	2.44 -0.77	3.62 -0.50	3.28 -0.57	2.77 -0.30	2.31 0.09	3
4	2.39 -0.81	2.29 -0.15	2.87 -0.17	3.71 -0.29	4.48 1.04	4.14 0.55	2.34 -0.74	2.92 -0.54	3.61 -0.60	3.30 -0.50	2.61 -0.24	2.39 0.26	4
5	1.86 -0.65	2.65 0.51	2.99 -0.39	3.69 -0.56	4.45 0.83	4.16 0.35	2.48 -0.58	3.15 -0.75	3.90 -0.26	3.34 -0.34	2.32 -0.35	2.01 0.07	5
6	2.28 -0.68	2.55 0.34	3.27 -0.43	3.72 -0.62	4.25 1.73	3.73 0.09	2.81 -0.53	3.33 -0.77	3.72 -0.49	2.95 -0.52	1.91 -0.32	2.04 -0.28	6
7	2.27 -0.49	2.82 0.42	3.71 -0.31	4.03 1.31	3.94 0.67	3.26 0.41	3.09 -0.77	3.04 -1.00	3.36 -0.65	2.86 -0.49	2.00 -0.24	2.44 -0.29	7
8	2.40 -0.14	3.15 .37	4.14 -0.26	4.31 -0.32	3.56 0.61	3.49 0.62	2.81 -1.08	3.21 -0.90	3.15 -0.71	2.66 -0.37	2.01 -0.24	NR NR	8
9	2.41 -0.06	3.36 1.16	4.23 -0.28	4.33 0.22	3.64 0.65	3.65 0.76	2.88 -1.09	3.08 -0.88	2.38 -0.83	2.39 -0.20	2.37 -0.12	NR NR	9
10	2.51 -0.06	3.50 0.36	4.28 1.80	3.82 0.76	3.77 0.83	3.86 0.64	2.85 -1.09	2.91 -1.00	2.12 -0.82	2.53 -0.30	2.97 -0.14	NR NR	10
11	2.39 -0.27	3.53 0.25	4.10 -0.31	3.25 0.04	3.78 0.87	3.68 0.33	2.57 -1.42	2.36 -1.08	2.16 -0.81	2.62 -0.14	3.24 -0.17	2.78 -0.15	11
12	2.95 0.50	3.45 0.13	3.89 -0.21	3.10 -0.04	3.66 1.14	3.45 0.06	2.26 -1.35	1.82 -1.37	2.32 -0.68	2.95 0.09	1.76 -0.06	2.80 0.16	12
13	3.41 -0.12	3.24 -0.03	3.39 -0.25	3.33 0.11	3.78 0.89	3.25 -0.06	2.83 -0.24	1.31 -1.40	1.18 -0.21	1.23 -0.22	3.45 -0.10	3.16 0.29	13
14	3.36 0.02	3.22 -0.19	2.83 -0.43	3.97 0.55	3.30 0.25	3.05 -0.10	2.44 -1.52	1.77 -1.22	2.85 -0.36	3.24 -0.21	3.32 -0.12	2.84 -0.07	14
15	3.79 -0.19	3.07 -0.02	2.70 -0.48	3.75 0.55	3.28 0.11	2.60 -0.27	1.61 -1.25	1.96 -0.87	2.79 -0.65	3.67 -0.13	3.43 0.10	2.38 -0.04	15
16	3.69 0.12	2.31 0.01	3.05 -0.34	4.59 1.37	3.65 0.83	2.44 -0.29	1.87 -1.00	2.26 -0.47	3.12 -0.62	3.76 -0.34	3.22 0.12	2.44 0.02	16
17	3.39 -0.09	1.83 -0.52	3.20 -0.05	4.31 1.31	3.55 0.25	2.20 -0.38	1.94 -0.82	2.62 -0.38	3.46 -0.67	3.66 -0.45	3.13 0.15	2.93 -0.13	17
18	2.94 -0.24	1.72 -0.63	3.23 -0.20	4.33 1.45	2.99 0.08	1.83 -0.52	2.03 -0.89	3.02 -0.44	3.56 -0.71	3.72 -0.29	3.01 0.11	3.30 -0.28	18
19	2.50 -0.44	1.81 -0.53	4.13 0.33	4.62 2.02	2.86 -0.10	2.08 -0.40	2.02 -0.74	3.17 -0.62	3.61 -0.68	3.48 -0.30	2.65 0.23	3.44 -0.14	19
20	2.05 -0.51	2.71 -0.53	4.22 0.28	4.42 1.84	3.34 0.13	2.43 -0.26	1.94 -1.24	3.23 -0.84	3.95 -0.44	3.13 -0.29	2.57 0.09	3.34 -0.22	20
21	2.41 -0.30	3.22 -0.38	4.69 0.31	4.63 3.34	3.29 1.09	2.17 -0.24	2.49 -1.00	3.33 -0.84	3.86 -0.44	3.15 -0.32	2.79 0.30	2.96 -0.39	21
22	2.68 0.15	3.41 -0.47	3.81 -0.25	4.50 2.15	2.65 0.20	2.29 -0.16	2.53 -1.30	3.57 -0.82	3.61 -0.53	2.48 -0.36	2.83 0.28	2.70 -0.76	22
23	2.82 0.29	3.24 -0.71	4.02 0.16	5.01 2.26	2.58 0.11	2.39 -0.17	2.56 -1.40	3.58 -0.86	3.58 -0.40	2.51 -0.02	2.69 -0.07	2.74 -0.77	23
24	2.93 0.16	3.22 0.96	3.91 2.16	4.62 3.49	2.78 0.18	2.50 -0.23	2.76 -1.34	3.53 -0.76	2.77 -0.62	2.72 0.20	2.82 -0.30	2.52 -0.72	24
25	2.94 0.71	3.27 -0.81	4.07 -0.07	4.21 2.85	3.05 0.43	2.75 -0.25	3.00 -1.11	3.95 -0.41	2.60 -0.62	2.96 0.33	1.65 -0.33	1.87 -0.67	25
26	3.15 -0.07	3.17 -0.75	3.37 0.12	3.93 2.91	3.07 0.30	2.92 -0.25	3.22 -1.08	3.30 -0.62	2.98 -0.33	3.18 0.04	2.91 -0.38	2.37 -0.74	26
27	3.19 0.00	3.12 -0.73	2.60 -0.16	4.34 2.89	3.40 0.33	2.53 -0.53	3.10 -1.02	2.86 -0.72	3.06 -0.09	1.67 -0.08	2.70 -0.48	2.42 -0.59	27
28	2.98 -0.11	2.91 -0.69	2.34 -0.51	3.51 2.46	3.69 0.60	2.92 -0.38	2.26 -1.52	2.48 -0.82	1.49 -0.40	3.26 -0.14	3.01 -0.37	2.40 -0.41	28
29	2.86 -0.34	2.57 -0.70	2.37 -0.46	3.55 2.03		2.93 -0.41	1.90 -1.48	1.66 -0.73	3.22 -0.61	3.24 -0.35	3.06 -0.05	2.37 -0.21	29
30	2.63 -0.46	2.12 -0.80	2.47 -0.38	3.87 1.89		2.90 -0.54	1.72 -1.34	2.55 -0.57	3.07 -0.68	3.37 -0.38	2.87 -0.02	2.50 -0.13	30
31	2.46 -0.55		2.52 -0.24	3.84 1.66		2.57 -0.68		2.75 -0.68		3.12 -0.41	2.62 -0.13		31
MAXIMUM	3.79	3.53	4.69	5.01	4.48	4.16	3.22	3.95	3.95	3.76	3.45	NR	MAXIMUM
MINIMUM	-0.81	-0.81	-0.84	-0.62	-0.10	-0.68	-1.52	-1.40	-0.83	-0.67	-0.48	NR	MINIMUM

E- Estimated
NR- No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 05 15	121 41 08	SE 19 3N 3E		5.9	4-6-1958		JUNE 1929-DATE	1929	1940	0.00	USED
								1940	1959	0.00	USCGS
								1959		-10.00	USCGS
								1959		-7.11	USED
									1964	-10.45	USCGS
								1964		0.00	USCGS

Station located on Sherman Island, 4.9 miles south of Rio Viste. Station located in tidal zone. Maximum gage height does not indicate maximum discharge. Maximum of record is maximum recorded stage -- record not complete in December 1955.

TABLE 8-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

SAN JOAQUIN RIVER AT ANTIOCH

in feet

STATION NO	WATER YEAR
895020	1970

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	3.15 -0.90	2.26 -1.33	2.13 -1.31	2.85 -0.31	3.84 0.50	4.10 0.08	2.39 -1.99	1.94 -1.83	3.46 -1.23	3.36 -1.56	3.38 -1.16	2.74 -0.81	1
2	2.63 -0.81	2.12 -1.20	2.15 -1.20	2.76 -0.80	3.98 0.06	3.72 -0.66	2.51 -1.74	2.16 -1.47	3.63 -1.38	3.38 -1.62	3.17 -1.23	2.58 -0.69	2
3	2.18 -1.17	2.29 -1.11	2.61 -0.79	3.25 -0.93	4.25 -0.05	3.63 -0.85	2.61 -1.52	2.54 -1.44	NR NR	3.47 -1.44	3.06 -1.01	2.55 -0.53	3
4	2.37 -1.39	2.57 -0.92	2.85 -0.67	3.74 -1.00	4.82 0.23	4.48 -0.22	2.41 -1.43	3.01 -1.27	NR NR	3.45 -1.32	2.99 -0.94	2.80 -0.19	4
5	2.35 -1.33	2.98 -0.15	2.99 -0.97	3.74 -1.34	4.75 0.02	4.16 -0.50	2.57 -1.24	3.20 -1.49	3.85 -1.00	3.48 -1.11	2.60 -1.03	2.64 -0.35	5
6	2.39 -1.40	2.91 -0.53	3.28 -1.08	3.79 -1.41	4.46 -0.12	3.75 -0.75	2.90 -1.19	3.34 -1.55	3.63 -1.26	3.19 -1.30	2.27 -0.96	2.77 -0.89	6
7	2.18 -1.26	3.24 -0.54	3.72 -1.00	4.11 -1.12	4.06 -0.17	3.65 -0.41	3.11 -1.52	3.06 -1.85	3.34 -1.34	2.96 -1.15	2.41 -0.80	3.06 -0.94	7
8	2.57 -0.92	3.57 -0.69	4.16 -0.96	4.45 -0.60	3.73 -0.09	3.57 -0.17	2.87 -1.82	3.15 -1.71	3.13 -1.39	2.68 -1.01	2.54 -0.72	3.34 -0.82	8
9	2.57 -0.84	3.77 -0.79	4.23 -1.03	4.86 1.40	3.67 0.73	3.66 0.01	2.88 -1.81	3.00 -1.69	2.38 -1.69	2.48 -0.74	2.92 -0.68	3.28 -0.92	9
10	2.81 -0.59	3.91 -0.91	4.31 -1.08	3.90 0.98	3.80 0.19	3.87 -0.13	2.81 -1.80	2.82 -1.77	2.08 -1.61	2.63 -0.75	3.19 -0.77	3.34 -1.07	10
11	2.69 -1.15	3.89 -1.06	4.14 -0.98	3.31 -0.74	3.78 0.29	3.69 -0.39	2.51 -2.05	2.25 -1.81	2.17 -1.51	2.73 -0.50	3.53 -0.77	3.54 -1.03	11
12	3.22 -1.00	3.78 1.01	3.90 -0.92	3.18 -0.75	3.79 0.62	3.49 -0.63	2.17 -1.93	1.76 -2.03	2.42 -1.16	3.06 -0.37	3.77 -0.71	2.69 -0.69	12
13	3.63 -0.88	3.51 -1.26	3.39 -0.95	3.40 -0.49	3.96 0.29	3.18 -0.75	2.65 -0.89	1.73 -2.01	2.88 -0.66	3.32 -0.72	3.89 -0.86	3.91 -0.66	13
14	3.59 0.54	3.44 -1.33	2.82 -1.10	4.03 0.10	3.35 -0.37	2.96 -0.76	1.69 -2.11	1.98 -1.79	2.83 -0.85	3.69 -0.81	2.10 -0.96	3.35 -0.95	14
15	4.01 -1.10	3.21 -1.11	2.76 -1.11	3.74 -0.06	3.19 -0.54	2.56 -1.05	1.53 -1.80	1.13 -1.38	3.22 -1.28	3.83 -0.89	4.02 -0.86	3.01 -0.91	15
16	3.77 -0.74	2.54 -1.01	3.10 -0.86	4.62 0.74	3.62 0.21	2.41 -1.11	1.87 -1.54	2.30 -0.90	1.48 -1.33	1.81 -1.14	3.88 -0.90	2.90 -0.74	16
17	3.42 -0.98	2.20 -1.53	3.26 -0.48	4.25 0.67	3.53 -0.49	2.28 -1.30	1.99 -1.41	2.69 -0.93	3.57 -1.46	3.84 -1.30	3.72 -0.86	2.99 -0.88	17
18	3.02 -1.12	2.09 -1.56	3.28 -0.77	4.29 0.79	3.18 -0.73	1.99 -1.61	2.06 -1.47	3.05 -1.02	3.62 -1.58	4.01 -1.13	3.43 -0.78	3.30 -0.17	18
19	2.62 -1.34	2.24 -1.39	4.13 -0.25	4.64 1.33	2.89 -0.85	2.26 -1.43	2.02 -1.36	3.21 -1.32	3.74 -1.57	3.92 -1.24	3.12 -0.62	3.41 -0.74	19
20	2.63 -1.42	2.75 -1.12	4.29 -0.34	4.46 1.09	3.32 -0.59	2.57 -1.11	1.97 -1.94	3.25 -1.70	4.03 -1.27	3.76 -1.08	3.03 -0.63	3.29 -0.85	20
21	2.54 -1.19	3.23 -1.02	4.63 -0.38	4.70 1.39	3.26 -0.48	2.44 -1.00	2.50 -1.72	3.36 -1.71	3.96 -1.24	3.41 -1.11	3.22 -0.39	2.88 -0.97	21
22	2.94 -0.69	3.42 -1.16	3.80 -0.95	4.53 1.45	2.85 -0.59	2.44 -0.83	2.60 -2.06	3.59 -1.68	3.74 -1.30	2.96 -1.14	3.21 -0.55	2.60 -1.36	22
23	3.12 -0.60	3.24 -1.42	4.01 -0.52	5.09 2.64	2.59 -0.41	2.57 -0.84	2.63 -2.18	3.56 -1.78	3.60 -1.13	3.02 -0.71	3.14 -0.83	2.65 -1.35	23
24	3.25 -0.82	3.22 -1.50	3.88 -0.75	4.64 2.02	2.79 -0.01	2.67 -0.97	2.77 -2.14	3.53 -1.56	2.79 -1.36	3.21 -0.42	3.16 -1.07	2.50 -1.27	24
25	3.25 -1.08	3.23 -1.42	3.95 -0.59	4.17 2.90	3.04 -0.10	2.94 -1.08	2.97 -1.93	3.87 -1.19	2.67 -1.22	3.29 -0.30	3.17 -1.12	2.37 -1.31	25
26	3.43 -1.04	3.11 0.93	3.28 1.36	3.82 2.07	3.05 -0.25	3.07 -1.08	3.13 -1.87	3.25 -1.39	3.02 -0.87	3.52 -0.60	3.12 -1.16	1.91 -1.34	26
27	3.41 -1.12	3.04 -1.36	2.57 1.28	4.20 2.14	3.33 -0.20	2.82 -1.52	3.01 -1.68	2.86 -1.41	3.16 -0.55	3.68 -0.76	1.85 -1.21	2.43 -1.13	27
28	3.15 0.74	2.82 -1.31	2.37 -1.14	3.45 1.75	3.60 0.02	3.07 -1.41	2.23 -2.24	2.53 -1.56	3.32 -1.07	3.59 -0.90	3.17 -1.06	2.47 -0.93	28
29	2.98 -1.33	2.47 -1.27	2.37 -1.01	3.45 1.41		3.04 -1.39	1.92 -2.24	2.64 -1.33	3.24 -1.42	1.94 -1.07	3.31 -0.80	2.44 -0.70	29
30	2.69 -1.36	2.03 -1.32	2.46 -0.84	3.83 1.36		2.93 -1.58	1.75 -2.05	2.90 -1.10	1.50 -1.63	3.53 -1.10	3.25 -0.84	2.53 -0.66	30
31	2.50 -1.39		2.52 -0.61	3.83 1.01		2.69 -1.86		3.32 -1.34		3.44 -1.16	2.98 -0.85		31
MAXIMUM	4.01	3.91	4.63	5.09	4.82	4.48	3.13	3.87	NR	4.01	4.02	3.91	MAXIMUM
MINIMUM	-1.42	-1.56	-1.31	-1.41	-0.85	-1.86	-2.24	-2.03	NR	-1.62	-1.23	-1.36	MINIMUM

E- Estimated
NR- No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 01 04	121 48 06	SW 18 2N 2E		6.2	12-26-1955		JUNE 1929-DATE	1929	1940	0.00	USED
								1940	1957	0.00	USCGS
								1957	1957	-9.71	USCGS
								1957		-9.96	USCGS
								1957		-6.97	USED
									1964	-10.11	USCGS
								1964		0.00	USCGS

Station located in pump house on wharf at city water works immediately north of Antioch. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge.

TABLE 8-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

SUISUN BAY AT BENICIA

STATION NO	WATER YEAR
E03300	1970

in feet

DATE	OCT	NOV.	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	NR NR	2.36 -2.07	2.32 0.45	2.82 -1.10	3.58 -1.78	4.15 -1.35	2.60 -3.51	NR NR	3.70 -2.60	3.58 -2.98	3.41 -2.54	NR NR	1
2	NR NR	2.22 -1.80	2.36 -0.21	2.79 -1.98	3.80 -2.53	3.71 -2.35	2.78 -3.18	NR NR	3.77 -2.93	3.71 -3.02	3.29 -2.54	NR NR	2
3	2.16 -2.03	2.39 -1.76	2.88 -1.20	3.21 -2.48	4.13 -2.87	3.70 -2.86	3.01 -2.89	NR NR	2.17 -3.03	3.71 -2.78	3.13 -2.26	NR NR	3
4	2.43 -2.02	2.69 -1.59	3.09 -1.41	3.79 -2.80	4.76 -2.82	4.73 -2.32	2.71 -2.75	NR NR	3.77 -2.98	3.64 -2.72	3.08 -2.05	NR NR	4
5	2.43 -1.97	3.21 -0.79	3.27 -1.93	3.90 -3.28	4.81 -3.08	4.38 -2.80	3.05 -2.52	NR NR	3.77 -2.79	3.44 -2.51	2.66 -2.02	NR NR	5
6	2.48 -2.10	3.26 -1.39	3.59 -2.22	4.09 -3.37	4.65 -3.05	4.05 -3.01	3.39 -2.65	NR NR	3.57 -2.91	3.24 -2.60	2.39 -1.87	NR NR	6
7	2.63 -2.06	3.63 -1.44	4.04 -2.36	4.54 -3.04	4.31 -2.84	3.99 -2.47	3.43 -3.07	NR NR	3.28 -2.68	2.88 -2.35	2.58 -1.61	NR NR	7
8	2.67 -1.73	4.00 -1.87	4.57 -2.45	4.85 -2.55	3.90 -2.43	3.88 -2.07	3.24 -3.38	NR NR	3.07 -2.61	2.57 -2.21	2.79 -1.22	NR NR	8
9	2.73 -1.69	4.14 -2.14	4.56 -2.66	5.43 -1.80	3.96 -1.70	4.03 -1.76	3.15 -3.32	3.03 -3.16	2.61 -2.68	2.58 -1.87	3.06 -1.25	NR NR	9
10	3.07 -1.73	4.24 -2.37	4.66 -2.74	4.23 -2.51	4.10 -1.20	4.14 -1.90	2.94 -3.22	2.87 -3.05	2.16 -2.45	2.71 -1.65	3.17 -1.42	NR NR	10
11	3.04 -2.15	4.21 -2.57	4.51 -2.47	3.57 -2.32	4.00 -1.26	3.98 -2.07	2.55 -3.22	2.28 -2.86	2.31 -2.19	2.77 -1.16	3.42 -1.70	NR NR	11
12	3.54 -2.08	4.07 -2.75	4.22 -2.43	3.48 -1.82	3.94 -0.88	3.64 -2.28	2.27 -2.85	1.87 -2.92	2.65 -1.68	3.13 -1.29	NR NR	NR NR	12
13	3.89 -2.04	3.76 -2.78	3.62 -2.49	3.66 -0.74	3.96 -1.15	3.26 -2.16	2.40 -2.07	1.84 -2.68	2.92 -1.17	3.37 -1.64	NR NR	NR NR	13
14	3.82 -2.26	3.58 -2.49	2.95 0.09	4.18 -0.63	3.39 -1.76	2.96 -2.03	1.74 -2.78	2.23 -2.31	2.98 -1.70	3.63 -2.04	NR NR	NR NR	14
15	4.26 -1.81	3.32 0.83	3.06 -2.35	3.76 -1.31	3.24 -2.04	2.50 -2.11	2.07 -2.54	2.53 -1.78	3.38 -2.31	3.77 -2.39	NR NR	NR NR	15
16	3.75 1.02	2.75 -2.23	3.46 -1.92	4.44 -1.14	3.71 -1.23	2.43 -2.29	2.31 -2.26	2.88 -1.47	3.68 -2.53	3.98 -2.71	NR NR	NR NR	16
17	3.40 -2.19	2.45 -2.71	3.59 -1.40	4.06 -1.73	3.56 -2.44	2.26 -2.57	2.31 -2.34	3.13 -1.86	3.70 -2.92	4.15 -2.95	NR NR	3.47 -2.10	17
18	3.13 -2.30	2.49 -2.58	3.58 -1.86	4.05 -1.82	3.25 -2.86	2.18 -2.88	NR NR	3.32 -2.17	3.90 -3.29	4.08 -2.98	NR NR	3.63 -2.04	18
19	2.76 -2.48	2.67 -2.26	4.43 -1.38	4.38 -1.64	3.10 -2.76	2.54 -2.73	NR NR	3.47 -2.60	2.10 -3.32	4.09 -3.00	NR NR	3.63 -2.08	19
20	2.82 -2.58	3.21 -2.17	4.61 -1.67	4.23 -1.74	3.47 -2.45	2.72 -2.55	NR NR	1.75 -3.18	4.12 -3.22	4.01 -2.81	NR NR	3.30 -2.13	20
21	2.94 -2.31	3.63 -2.22	4.67 -1.97	4.45 -1.41	3.39 -2.40	2.64 -2.31	NR NR	3.58 -3.40	4.00 -3.19	3.61 -2.61	NR NR	2.99 -2.15	21
22	3.24 -1.76	3.77 -2.48	3.93 -2.56	4.22 -1.45	3.03 -2.26	2.69 -1.99	NR NR	3.75 -3.42	3.79 -2.99	3.17 -2.37	NR NR	2.71 -2.37	22
23	3.46 -1.79	3.57 -2.77	4.18 -2.03	4.75 -0.35	2.76 -1.68	2.87 -2.07	NR NR	3.72 -3.45	3.57 -2.75	3.26 -1.89	NR NR	2.75 -2.25	23
24	3.62 -2.08	3.50 -2.89	4.02 -2.43	4.17 -0.91	3.06 -1.12	3.00 -2.24	NR NR	3.72 -3.06	2.74 -2.77	3.38 -1.50	NR NR	2.62 -2.21	24
25	3.62 -2.38	3.45 -2.75	3.90 -2.42	3.66 -0.73	3.23 -1.35	3.28 -2.41	NR NR	3.75 -2.80	2.87 -2.38	3.43 -1.44	NR NR	2.54 -2.27	25
26	3.69 -2.44	3.36 -2.55	3.29 -2.75	3.35 -0.21	NR NR	3.36 -2.41	NR NR	3.14 -2.96	3.26 -1.75	3.60 -1.77	NR NR	2.58 -2.25	26
27	3.59 -2.51	3.21 -2.47	2.46 -2.87	3.82 -0 51	NR NR	3.05 -2.86	NR NR	2.78 -2.57	3.34 -1.57	3.65 -1.94	NR NR	2.70 -2.09	27
28	3.32 -2.60	2.94 -2.32	2.30 -2.45	3.08 -0.26	3.74 -1.09	3.21 -2.70	NR NR	2.81 -2.60	3.50 -2.12	3.63 -2.02	NR NR	2.65 -1.79	28
29	3.14 -2.47	2.66 -2.18	2.29 -1.94	3.18 -0.33		3.08 -2.72	NR NR	3.00 -2.19	3.41 -2.63	3.62 -2.31	NR NR	2.71 -1.58	29
30	2.81 -2.33	2.19 -1.98	2.34 -0.02	3.47 -0.62		2.89 -2.94	NR NR	3.30 -2.05	3.52 -2.99	3.55 -2.40	NR NR	2.82 -1.54	30
31	2.58 1.16		2.45 -0.59	3.51 -1.13		2.71 -3.27		3.63 -2.42		3.43 -2.51	NR NR		31
MAXIMUM	NR	4.24	4.67	5.43	NR	4.73	NR	NR	4.12	4.15	NR	NR	MAXIMUM
MINIMUM	NR	-2.89	-2.87	-3.37	NR	-3.27	NR	NR	-3.32	-3.02	NR	NR	MINIMUM

E- Estimated
NR- No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 02 27	122 08 04	SW 6 2N 2W		5.7	4-6-1958		JUN 29-APR 40	1929	1940	-2.21	USCGS
							APR 40-DATE	1940	1942	-5.00	USCGS
								1942		0.00	USCGS

Station located on channel side of wharf (formerly located on inshore side of wharf) immediately southeast of Benicia. Maximum gage height listed does not indicate maximum discharge. Period of record intermittent from 1929 to 1940.

TABLE B-13

CONTENTS OF RESERVOIRS

TABLE B-13 (Cont.)

CONTENT OF RESERVOIRS
(IN ACRE-FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A55527	FRENCHMAN LAKE NEAR CHILCOOT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	45,624	45,498	45,526	46,639	56,894	56,446	56,350	56,127	55,746	51,314	48,492	42,807	1
2	45,596	45,498	45,526	46,653	56,862	56,398	56,350	56,127	55,603	51,299	48,361	42,754	2
3	45,540	45,498	45,526	46,653	56,814	56,382	56,318	56,143	55,382	51,314	48,202	42,673	3
4	45,512	45,470	45,512	46,668	56,750	56,398	56,302	56,159	55,098	51,329	47,999	42,632	4
5	45,484	45,540	45,526	46,668	56,702	56,382	56,302	56,222	54,815	51,269	47,812	42,565	5
6	45,470	45,554	45,512	46,696	56,654	56,366	56,254	56,254	54,518	51,209	47,610	42,498	6
7	45,456	45,568	45,526	46,696	56,622	56,350	56,222	56,286	54,206	51,179	47,424	42,431	7
8	45,428	45,554	45,526	46,739	56,590	56,398	56,222	56,334	53,895	51,104	47,252	42,364	8
9	45,400	45,554	45,526	46,852	56,590	56,382	56,222	56,334	53,632	51,074	47,066	42,284	9
10	45,386	45,554	45,540	46,895	56,574	56,366	56,350	56,366	53,400	51,014	46,838	42,204	10
11	45,372	45,554	45,540	46,938	56,542	56,350	56,334	56,430	53,169	50,969	46,512	42,124	11
12	45,345	45,554	45,554	47,009	56,558	56,334	56,334	56,382	52,985	NR	46,229	42,017	12
13	45,317	45,554	45,554	47,081	56,590	56,318	56,366	56,270	52,877	NR	45,947	41,924	13
14	45,317	45,554	45,540	47,381	56,574	56,350	56,382	56,143	52,785	NR	45,666	41,804	14
15	45,372	45,568	45,554	47,481	56,542	56,366	56,366	56,095	52,709	NR	45,400	41,724	15
16	45,512	45,568	45,554	48,390	56,638	56,382	56,350	56,095	52,694	NR	45,122	41,645	16
17	45,526	45,554	45,568	NR	56,606	56,382	56,318	56,095	52,617	50,790	44,844	41,552	17
18	45,526	45,554	45,568	NR	56,558	56,366	56,270	56,111	52,556	50,700	44,581	41,460	18
19	45,526	45,554	45,680	NR	56,510	56,382	56,254	56,159	52,510	50,626	44,292	41,354	19
20	45,526	45,554	45,764	NR	56,478	56,382	56,254	56,191	52,449	50,536	44,003	41,249	20
21	45,526	45,554	46,031	50,954	56,446	56,382	56,207	56,222	52,404	50,402	43,839	41,183	21
22	45,526	45,554	46,074	52,236	56,430	56,382	56,191	56,207	52,297	50,254	43,730	41,183	22
23	45,526	45,540	46,243	53,524	56,430	56,382	56,175	56,222	52,069	50,046	43,593	41,170	23
24	45,526	45,540	46,384	54,831	56,414	56,398	56,143	56,207	51,842	NR	43,457	41,143	24
25	45,512	45,540	46,483	55,477	56,414	56,398	56,127	56,191	51,600	NR	43,294	41,130	25
26	45,512	45,540	46,568	55,984	56,430	56,414	56,159	56,207	51,585	NR	43,159	41,104	26
27	45,512	45,540	46,583	56,846	56,430	56,398	56,191	56,111	51,404	49,280	43,010	41,104	27
28	45,498	45,540	46,583	57,039	56,430	56,398	56,175	56,047	51,374	49,090	42,942	41,091	28
29	45,512	45,526	46,597	57,039		56,398	56,159	55,984	51,359	48,914	42,942	41,078	29
30	45,512	45,526	46,611	57,023		56,398	56,143	55,920	51,344	48,768	42,888	41,051	30
31	45,512		46,639	56,991		56,366		55,873		48,637	42,848		31
CHNG.	-140	+14	+1,113	+10,352	-561	-64	-223	-270	-4,529	-2,707	-5,789	-1,797	CHNG.
MAX.	45,624	45,568	46,639	57,039	56,894	56,446	56,382	56,430	55,746	51,329	48,492	42,807	MAX.
MIN.	45,317	45,470	45,512	46,639	56,414	56,318	56,127	55,873	51,344	48,637	42,848	41,051	MIN.

E — ESTIMATED
NR — NO RECORD

WATER YEAR SUMMARY

MAXIMUM					MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME	CONTENT	GAGE HT.	MO.	DAY	TIME
57,071	5589.00	1	30	0930	31,051	5578.01	9	30	2200

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	INFLOW	CONTENT	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 53 36	120 11 17	NE 33 24N 16E					JAN 1962-DATE	1962		5500.00	USCGS

Station located at toe of Frenchman Dam on Little Last Chance Creek, 7.1 miles north of Chilcoot.

Frenchman Dam was completed in October 1961 and storage began in November 1961. The lake has a usable capacity of 53,582 acre-feet between elevations 5517 feet (invert of intake) and 5588 feet (crest of spillway). Not available for release, 1,835 acre-feet.

Daily content given is shown at 2400 hours.

Drainage area is 81.1 square miles.

TABLE B-13 (Cont.)

CONTENT OF RESERVOIRS
(IN ACRE-FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A55383	LAKE DAVIS NEAR PORTOLA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	76,677	75,231	74,665	77,637	90,889	88,032	82,053	81,262	81,697	NR	77,560	74,627	1
2	76,601	75,194	74,627	77,637	90,639	87,950	81,974	81,262	81,657	NR	77,406	74,552	2
3	76,334	75,194	74,627	77,598	90,430	87,826	81,855	81,262	81,578	NR	77,329	74,401	3
4	75,915	74,929	74,589	77,637	90,222	87,867	81,697	81,302	81,578	NR	77,214	74,514	4
5	75,383	75,383	74,589	77,598	90,056	87,785	81,578	81,302	81,539	NR	77,137	74,401	5
6	75,156	75,421	74,552	77,637	89,890	87,744	81,420	81,341	81,499	NR	77,022	74,363	6
7	75,080	75,421	74,552	77,560	89,724	87,621	81,341	81,381	81,381	NR	76,945	74,251	7
8	75,080	75,421	74,552	77,714	89,558	87,703	81,223	81,381	81,302	NR	76,831	74,213	8
9	75,004	75,383	74,552	78,370	89,393	87,621	81,104	81,499	81,223	NR	76,754	74,213	9
10	75,004	75,383	74,552	78,641	89,227	87,580	81,104	81,657	81,262	NR	76,677	74,213	10
11	75,004	75,345	74,589	78,797	89,145	87,498	80,947	81,855	81,223	NR	76,601	74,213	11
12	74,967	75,307	74,665	79,069	89,145	87,457	80,789	81,934	81,183	NR	76,486	74,213	12
13	74,778	75,307	74,627	79,263	89,269	87,171	80,750	82,014	81,104	NR	76,372	NR	13
14	74,816	75,269	74,627	80,279	89,145	86,885	80,671	82,014	81,065	NR	76,334	NR	14
15	74,967	75,307	74,627	80,436	89,021	86,559	80,632	82,014	81,065	NR	76,257	NR	15
16	75,459	75,269	74,589	81,934	89,269	86,233	80,829	82,053	81,065	79,302	76,143	NR	16
17	75,497	75,042	74,589	82,849	89,145	85,745	80,907	82,053	81,026	79,224	76,029	NR	17
18	75,535	75,004	74,552	83,328	88,938	85,461	80,868	82,053	81,026	79,069	75,953	NR	18
19	75,535	75,004	74,552	83,889	88,814	85,178	80,947	82,093	80,947	78,991	75,838	NR	19
20	75,459	74,967	75,156	84,331	88,690	84,815	80,947	82,133	80,947 E	78,835	75,724	NR	20
21	75,459	74,967	76,105	86,518	88,525	84,492	80,947	82,133	80,907 E	78,758	75,611	73,314	21
22	75,459	74,929	76,181	87,991	88,402	84,170	80,907	82,133	80,868	78,680	75,573	73,239	22
23	75,421	74,891	76,677	90,306	88,320	83,889 E	80,947	82,093	80,789	78,564	75,421	73,239	23
24	75,383	74,891	76,907	91,390	88,196	83,568 E	80,868	82,093	80,711	78,448	75,307	73,090	24
25	75,383	74,853	77,521	81,558	88,073	83,288	80,829	82,053	80,632	78,332	75,194	73,053	25
26	75,383	74,853	77,714	91,641	87,991	82,889	81,065	82,014	80,632	78,216	75,118	72,978	26
27	75,345	74,816	77,675	92,145	87,909	82,729	81,183	81,974	80,593	78,100	75,004	72,941	27
28	75,345	74,778	77,637	91,935	87,909	82,570	81,223	81,934	80,593	77,984	74,891	72,904	28
29	75,307	74,740	77,675	91,641		82,570	81,223	81,934	80,475	77,868	NR	72,867	29
30	75,307	74,702	77,675	91,432		82,371	81,223	81,816	80,397	77,714	NR	72,829	30
31	75,269		77,637	91,181		82,172		81,736		77,637	74,665 E		31
CHNG.	-1,485	-567	+2,935	+13,544	-3,272	-,5737	-949	+513	-1,339	-2,760	-2,972	-1,836	CHNG.
MAX.	76,667	75,421	77,714	92,145	90,889	88,032	82,053	82,133	81,697	NR	77,560	74,627	MAX.
MIN.	74,778	74,702	74,552	77,560	87,909	82,172	80,632	81,262	80,397	77,637	74,665 E	72,829	MIN.

E — ESTIMATED
NR — NO RECORD

WATER YEAR SUMMARY

MAXIMUM					MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME	CONTENT	GAGE HT.	MO.	DAY	TIME
92,187	5776.90	1	27	0930	72,829	5772.02	9	30	1200

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	INFLOW	CONTENT	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 53 03	120 38 31	SW 1 23N 13E					DEC 1966-DATE	1966		5700.00	USCGS

Station located near left abutment of Grizzly Valley Dam on Big Grizzly Creek, 5.3 miles north of Portola. Grizzly Valley Dam, creating Lake Davis, was completed in September 1967; however, storage by the contractor in order to test the outlet works, began on October 18, 1966. The lake has a usable capacity of 84,043 acre-feet between elevations 5700 feet (top of low-level intake) and 5775 feet (crest of spillway). Not available for release 108 acre-feet. Daily content given is shown at 2400 hours. Drainage area is 44.0 square miles.

TABLE B-13 (Cont.)

CONTENT OF RESERVOIRS
(IN ACRE-FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A54473	ANTELOPE LAKE NEAR BOULDER CREEK GUARD STATION

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	21,166 E	21,058 E	21,013	22,547	23,375	23,223	23,299	23,261	23,176	22,865	22,214	21,364	1
2	NR	NR	21,004	22,557	NR	23,204	23,299	23,299	23,147	22,856	22,195	21,337	2
3	NR	NR	20,986	22,547	NR	23,195	23,299	23,375	23,119	22,818	22,177	21,301	3
4	NR	21,031	20,969	22,557	23,270	23,176	23,299	23,451	23,091	22,809	22,140	21,283	4
5	NR	21,112	20,960	22,557	23,242	23,157	23,337	23,498	23,091	22,790	22,112	21,265	5
6	NR	21,121	20,951	22,557	23,232	23,147	23,365	23,527	23,062	22,771	22,075	21,247	6
7	NR	21,130	20,951	22,575	23,223	23,185	23,375	23,527	23,034	22,762	22,048	21,220	7
8	NR	21,130	20,951	22,622	23,214	23,242	23,384	23,527	23,015	22,725	22,020	21,202	8
9	NR	21,130	20,951	22,753	23,214	23,232	23,394	23,555	23,015	22,706	21,993	21,175	9
10	NR	21,121	20,951	22,865	23,214	23,214	23,432	23,622	23,034	22,687	21,965	21,139	10
11	NR	21,121	20,969	22,884	23,214	23,195	23,441	23,594	23,025	22,678	21,947	21,121	11
12	NR	21,121	20,995	22,931	23,280	23,185	23,422	23,575	23,025	22,659	21,910	21,076	12
13	NR	21,112	21,022	22,968	23,280	23,214	23,413	23,555	23,044	22,650	21,883	21,049	13
14	NR	21,121	21,022	23,138	23,251	23,308	23,384	23,546	23,044	22,631	21,855	21,022	14
15	NR	21,121	21,022	23,110	23,232	23,356	23,356	23,536	23,025	22,622	21,828	21,004	15
16	NR	21,103	21,013	23,413	23,299	23,365	23,327	23,575	23,015	22,594	21,791	20,978	16
17	NR	21,094	21,022	23,622	23,270	23,365	23,289	23,594	23,015	22,585	21,764	20,960	17
18	NR	21,076	21,040	23,594	23,232	23,327	23,280	23,613	22,997	22,557	21,736	20,933	18
19	NR	21,130	21,166	23,517	23,204	23,308	23,289	23,613	22,978	22,538	21,700	20,897	19
20	NR	21,121	21,319	23,451	23,176	23,389	23,280	23,546	22,950	22,510	21,673	20,879	20
21	NR	21,112	21,745	24,093	23,157	23,289	23,242	23,527	22,950	22,491	21,636	20,853	21
22	NR	21,112	21,883	24,666	23,147	23,308	23,223	23,517	22,912	22,473	21,609	20,835	22
23	NR	21,103	22,039	25,010	23,147	23,318	23,214	23,508	22,893	22,454	21,582	20,808	23
24	NR	21,085	22,158	24,793	23,147	23,356	23,204	23,441	22,874	22,426	21,545	20,781	24
25	NR	21,085	22,287	24,306	23,138	23,375	23,204	23,422	22,865	22,408	21,518	20,755	25
26	NR	21,076	22,380	24,035	23,147	23,365	23,232	23,394	22,865	22,380	21,482	20,728	26
27	NR	21,067	22,417	23,929	23,157	23,356	23,242	23,356	22,865	22,352	21,455	20,719	27
28	NR	21,058	22,445	23,727	23,166	23,356	23,242	23,318	22,865	22,315	21,436	20,701	28
29	NR	21,040	22,473	23,603		23,346	23,242	23,280	22,865	22,287	21,446	20,675	29
30	NR	21,031	22,501	23,508		23,337	23,242	23,232	22,865	22,269	21,418	20,657	30
31	21,058 E		22,519	23,451		23,318		23,204		22,241	21,391		31
CHNG.	-108	-27	+1,488	+932	-285	+152	-76	-38	-339	-624	-850	-734	CHNG.
MAX.	NR	21,130	22,519	25,010	23,375	23,375	23,441	23,622	23,176	22,865	22,214	21,364	MAX.
MIN.	NR	21,031	20,951	22,547	23,138	23,147	23,204	23,204	22,865	22,241	21,391	20,657	MIN.

E — ESTIMATED
NR — NO RECORD

WATER YEAR SUMMARY

MAXIMUM					MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME	CONTENT	GAGE HT.	MO.	DAY	TIME
25,168	5004.71	1	24	0345	20,657	4999.90	9	30	1530

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	INFLOW	CONTENT	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 10 42	120 36 20	SE 22 27N 12E					JAN 1964-DATE	1964		4900.00	USCGS

Station located at toe of Antelope Dam on Indian Creek, 1.3 miles south of Boulder Creek Guard Station, 12 miles northeast of Genesee.

Antelope Dam was completed in July 1964; however, usable storage began on November 25, 1963. The lake has a usable capacity of 22,239 acre-feet between elevations 4950 feet (lip of intake tower) and 5002 feet (crest of spillway).

Daily content given is shown at 2400 hours.

Drainage area is 68.6 square miles.

TABLE B-13 (Cont.)

CONTENT OF RESERVOIRS
(IN THOUSANDS OF ACRE-FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A51141	LAKE OROVILLE NEAR OROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2,775.8	2,771.2	2,792.7	2,901.8	2,795.4	2,815.2	2,943.9	3,003.8	3,093.1	2,983.2	2,866.4	2,673.7	1
2	2,770.6	2,778.0	2,790.3	2,883.9	2,788.9	2,819.1	2,949.5	3,011.6	3,091.8	2,973.8	2,870.8	2,661.8	2
3	2,776.2	2,776.6	2,787.6	2,875.0	2,790.0	2,817.3	2,953.3	3,019.2	3,088.5	2,970.2	2,863.2	2,652.6	3
4	2,767.1	2,774.8	2,784.5	2,868.3	2,795.1	2,815.1	2,963.4	3,016.6	3,083.7	2,972.7	2,852.7	2,645.9	4
5	2,770.6	2,776.8	2,780.8	2,863.9	2,798.6	2,812.4	2,974.5	3,013.3	3,078.7	2,975.6	2,844.7	2,640.4	5
6	2,766.6	2,777.1	2,786.7	2,860.6	2,801.4	2,808.8	2,978.0	3,014.1	3,083.5	2,968.2	2,836.2	2,638.0	6
7	2,763.4	2,776.3	2,792.6	2,857.7	2,805.0	2,803.7	2,980.7	3,014.1	3,087.9	2,960.6	2,829.2	2,641.4	7
8	2,760.2	2,784.3	2,789.1	2,856.5	2,808.1	2,803.9	2,985.4	3,014.2	3,082.0	2,953.8	2,832.8	2,631.2	8
9	2,758.1	2,791.9	2,782.3	2,867.4	2,810.0	2,801.1	2,987.4	3,023.0	3,078.6	2,946.1	2,836.6	2,624.4	9
10	2,757.7	2,789.7	2,781.1	2,895.8	2,811.3	2,799.2	2,989.6	3,033.0	3,074.6	2,937.1	2,826.5	2,617.8	10
11	2,764.2	2,788.7	2,776.4	2,911.2	2,812.2	2,794.8	2,999.5	3,034.3	3,072.7	2,938.8	2,817.3	2,610.6	11
12	2,770.6	2,786.8	2,783.6	2,918.9	2,814.9	2,789.6	3,008.2	3,035.6	3,069.6	2,940.3	2,808.2	2,605.1	12
13	2,767.2	2,786.5	2,802.2	2,945.6	2,823.8	2,787.5	3,008.6	3,037.6	3,073.6	2,935.6	2,799.0	2,610.4	13
14	2,763.9	2,784.7	2,813.5	3,000.7	2,829.1	2,787.2	3,010.2	3,039.0	3,077.9	2,930.8	2,787.9	2,603.7	14
15	2,764.2	2,791.1	2,808.8	2,959.0	2,825.4	2,794.7	3,012.7	3,039.4	3,077.2	2,925.0	2,788.4	2,596.8	15
16	2,765.9	2,797.8	2,804.1	2,958.6	2,823.9	2,798.8	3,014.8	3,048.2	3,074.2	2,917.9	2,792.4	2,592.1	16
17	2,765.4	2,796.7	2,797.0	2,946.8	2,828.9	2,802.6	3,015.5	3,057.7	3,068.7	2,911.0	2,780.5	2,588.1	17
18	2,769.0	2,793.1	2,789.7	2,894.6	2,828.1	2,805.4	3,024.7	3,060.7	3,063.9	2,915.4	2,771.2	2,585.2	18
19	2,775.0	2,789.6	2,806.1	2,832.8	2,825.8	2,806.3	3,033.3	3,062.2	3,054.0	2,919.7	2,762.3	2,590.7	19
20	2,772.8	2,786.7	2,848.7	2,792.7	2,821.7	2,818.0	3,030.2	3,063.9	3,057.5	2,913.1	2,752.0	2,597.1	20
21	2,770.8	2,783.9	2,940.2	2,879.0	2,815.1	2,833.0	3,026.8	3,065.9	3,060.3	2,906.5	2,742.0	2,592.0	21
22	2,768.4	2,789.9	2,960.9	2,956.4	2,807.8	2,849.3	3,023.7	3,063.9	3,051.5	2,901.2	2,740.5	2,586.2	22
23	2,766.2	2,797.8	2,984.0	3,001.8	2,800.4	2,858.7	3,019.7	3,072.2	3,042.5	2,895.4	2,745.8	2,580.1	23
24	2,764.1	2,792.4	3,029.4	3,070.2	2,793.0	2,868.1	3,012.7	3,080.4	3,032.3	2,892.9	3,735.5	2,584.3	24
25	2,771.9	2,787.6	3,037.8	3,046.1	2,786.9	2,878.3	3,018.5	3,080.7	3,019.6	2,897.9	2,724.7	2,587.3	25
26	2,777.9	2,785.3	3,029.6	2,989.6	2,787.5	2,887.5	3,024.8	3,081.7	3,010.3	2,900.9	2,715.6	2,571.9	26
27	2,775.1	2,791.4	3,012.0	2,957.5	2,787.2	2,895.7	3,020.3	3,083.6	3,007.9	2,893.7	2,704.8	2,571.2	27
28	2,772.7	2,786.9	2,990.1	2,914.9	2,789.5	2,908.2	3,016.5	3,084.3	3,010.2	2,888.5	2,693.0	2,561.7	28
29	2,769.6	2,792.4	2,965.7	2,861.7		2,922.2	3,011.0	3,083.6	3,001.3	2,881.2	2,692.3	2,551.7	29
30	2,767.1	2,798.2	2,940.4	2,819.5		2,930.5	3,007.0	3,089.6	2,991.9	2,874.6	2,696.9	2,541.8	30
31	2,764.3		2,919.6	2,803.1		2,937.7		3,094.6		2,867.0	2,685.9		31
CHNG	-17.0	+33.8	+121.4	-116.5	-13.6	+148.2	+69.1	+87.9	-102.8	-124.9	-181.4	-144.1	CHNG
MAX.	2,777.9	2,798.2	3,037.8	3,070.2	2,829.1	2,937.7	3,033.3	3,094.6	3,093.1	2,983.2	2,870.8	2,673.7	MAX.
MIN.	2,757.7	2,771.2	2,776.4	2,792.7	2,786.9	2,787.2	2,943.9	3,003.8	2,991.9	2,867.0	2,692.3	2,541.8	MIN.

E — ESTIMATED
NR — NO RECORD

WATER YEAR SUMMARY

MAXIMUM					MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME	CONTENT	GAGE HT.	MO.	DAY	TIME
3,094.6		5	31	2400	2,541.8		9	30	2400

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	INFLOW	CONTENT	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 32 05	121 28 25	SW 1 19N 4E					NOV 1967-DATE	1967		0.47	USCGS

Station located on top of left abutment of Oroville Dam, on the Feather River, 4 miles northeast of Oroville. Lake Oroville has a normal gross storage capacity of 3,538,000 acre-feet at the normal maximum water surface elevation of 900 feet. The active operating storage capacity is 2,686,000 acre-feet above the elevation 640 feet (minimum power pool). Drainage area is 3,611 square miles. Storage began November 14, 1967.

TABLE B-13 (Cont.)

CONTENT OF RESERVOIRS

(IN THOUSANDS OF ACRE-FEET)

WATER YEAR	STATION NO.	STATION NAME
1970	A65105	CAMP FAR WEST RESERVOIR NEAR SHERIDAN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	74.5	83.0	86.4	105.9	107.2	108.5	105.9	103.3	105.3	93.1	69.8	47.9	1
2	74.2	83.2	86.2	105.7	107.0	107.7	105.7	103.3	104.8	92.6	69.1	47.3	2
3	74.0	83.2	86.0	105.9	106.8	107.0	105.7	103.3	104.6	91.8	68.2	46.8	3
4	73.7	83.3	86.2	105.9	106.6	107.2	105.5	103.3	104.4	91.2	67.5	46.2	4
5	73.5	83.3	86.0	105.7	106.6	106.8	105.5	103.1	104.0	90.5	66.8	45.6	5
6	73.5	83.5	86.0	105.7	106.6	106.8	105.5	102.9	103.6	89.9	66.1	45.0	6
7	73.5	83.5	85.8	105.7	106.4	106.8	105.5	102.9	103.5	89.2	65.4	44.5	7
8	73.4	83.7	85.8	105.7	106.4	108.1	105.5	102.9	103.5	88.2	64.7	43.9	8
9	73.4	83.8	85.8	106.4	106.4	107.9	105.5	102.9	103.3	87.5	63.9	43.5	9
10	73.4	84.2	86.0	107.4	106.1	107.9	105.5	103.1	102.9	86.7	63.2	43.1	10
11	73.2	84.2	86.0	107.0	106.1	107.7	105.3	103.3	103.1	85.8	62.5	42.7	11
12	73.0	83.8	86.2	106.8	106.6	107.4	105.3	103.5	103.1	85.0	61.7	42.3	12
13	73.0	83.7	86.2	107.9	108.3	107.2	105.3	103.6	103.1	84.3	61.0	42.0	13
14	73.0	83.8	86.2	112.6	107.9	107.2	105.3	104.2	102.9	83.5	60.3	41.7	14
15	73.4	84.3	86.2	109.6	107.2	107.2	105.5	104.6	102.5	82.9	59.4	41.5	15
16	74.3	84.5	86.0	112.6	107.7	107.0	105.5	104.8	102.1	82.2	58.7	41.2	16
17	75.1	84.8	86.0	111.1	108.5	107.0	105.5	105.1	101.8	81.4	57.9	40.9	17
18	76.1	85.0	85.8	109.4	107.7	107.0	105.5	105.1	101.4	80.8	57.2	40.7	18
19	76.9	85.3	86.4	109.0	107.2	107.0	105.3	105.1	100.8	80.0	56.3	40.4	19
20	77.7	85.4	88.4	109.6	107.0	107.0	105.3	105.1	100.3	79.3	55.5	40.2	20
21	78.5	85.6	94.8	120.2	106.8	107.0	105.3	105.3	99.9	78.7	54.8	39.9	21
22	79.2	86.0	98.4	113.3	106.6	106.8	104.8	105.3	99.1	77.9	54.1	39.7	22
23	79.5	86.2	102.5	110.3	106.6	106.8	104.4	105.3	98.6	77.2	53.4	39.5	23
24	80.1	86.4	112.2	110.7	106.4	106.6	104.4	105.1	98.0	76.4	52.9	39.5	24
25	80.8	86.5	109.4	109.4	106.4	106.6	104.2	105.3	97.3	75.6	52.3	39.4	25
26	81.4	86.5	107.7	108.5	106.4	106.4	103.8	105.5	96.5	75.0	51.6	39.3	26
27	82.1	86.5	106.8	110.5	106.1	106.1	103.5	105.5	95.8	74.2	50.9	39.3	27
28	82.5	86.5	106.6	109.2	106.4	106.1	103.5	105.5	95.2	73.4	50.3	39.2	28
29	82.9	86.5	106.4	108.3		105.9	103.3	105.5	94.4	72.6	49.8	39.2	29
30	82.9	86.4	106.1	107.9		106.1	103.3	105.3	93.9	71.6	49.2	39.1	30
31	83.0		105.9	107.4		106.1		105.3		70.8	48.5		31
CHNG	+8.5	+3.4	+19.5	+1.5	-0.8	-2.4	-2.6	+2.0	-11.4	-22.3	-21.3	-8.8	CHNG
MAX.	83.0	86.5	112.2	120.2	108.5	108.5	105.9	105.5	105.3	93.1	69.8	47.9	MAX.
MIN.	73.0	83.0	85.8	105.7	106.1	106.1	103.3	102.9	93.9	70.8	48.5	39.1	MIN.

E — ESTIMATED
NR — NO RECORD

WATER YEAR SUMMARY

MAXIMUM					MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME	CONTENT	GAGE HT.	MO.	DAY	TIME
120.2		1	21	2400	39.1		9	30	2400

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	INFLOW	CONTENT	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 03 00	121 18 53	SW 21 14N 6E					MAR 1966-DATE	1966		0.00	USCGS

Station located near left abutment of Camp Far West Dam on the Bear River 6.4 miles east of Wheatland and 11.8 miles northwest of Sheridan. Camp Far West Reservoir, owned and operated by the South Sutter Irrigation District, began storage September 30, 1963. Station was installed March 1966, jointly by the South Sutter Irrigation District and the Department of Water Resources. The lake has a usable capacity of 139,600 acre-feet between the elevation 175.00 feet and 316.3 feet (top of spillway gate). Drainage area is 283 square miles. Daily content given is shown at 2400 hours.

TABLE B-14

DAILY INFLOW

This table presents the daily inflow rates to Folsom, Shasta, and Whiskeytown Lakes. The daily inflow rates were computed from information about changes in storage, releases, spills, precipitation, and evaporation. The computed values represent the flow at each damsite if the dam did not exist.

TABLE B-14 (Cont.)

DAILY INFLOW

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A21051	SHASTA LAKE NEAR REDDING

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	4,240	4,980	3,410	7,640	24,490	17,780	8,280	5,790	5,070	6,080	1,550	5,890	1
2	4,530	2,820	2,450	8,380	20,870	15,260	8,770	4,280	4,720	5,020	2,250	4,670	2
3	5,790	3,470	3,020	8,350	20,180	14,150	7,350	4,990	3,920	5,390	3,680	4,030	3
4	4,690	3,700	4,660	7,720	18,400	16,020	8,140	6,000	4,730	4,540	5,730	4,570	4
5	3,370	5,810	4,640	6,860	17,660	14,320	7,410	6,030	4,730	2,780	4,730	2,390	5
6	2,900	6,130	6,220	8,400	15,340	13,740	8,180	6,840	4,560	4,860	5,110	510	6
7	3,270	5,900	2,010	5,800	13,830	14,610	7,480	6,440	3,590	5,190	4,500	2,150	7
8	5,650	5,970	3,760	7,870	14,180	15,600	7,610	6,780	6,020	3,940	1,190	4,120	8
9	3,020	4,270	5,790	20,850	13,070	16,840	8,500	6,510	5,190	3,800	880	3,070	9
10	2,970	4,760	7,430	29,250	12,740	17,050	6,850	6,640	4,940	4,460	3,680	3,600	10
11	4,310	3,980	15,290	20,620	11,720	16,490	7,800	6,720	5,580	3,300	4,770	4,860	11
12	4,160	5,360	28,840	23,530	14,500	16,190	7,320	6,130	5,160	830	4,900	1,270	12
13	5,150	5,560	19,580	49,330	16,900	15,820	7,490	5,330	5,940	2,240	4,600	1,160	13
14	5,130	5,610	15,630	76,430	14,620	15,230	8,810	6,330	4,340	4,540	4,250	3,520	14
15	6,600	4,690	11,560	48,520	15,020	14,680	7,760	6,540	5,070	5,360	1,360	3,320	15
16	4,090	4,020	9,660	60,360	20,040	14,090	7,710	7,680	5,500	4,710	1,420	5,280	16
17	4,330	5,420	8,790	67,910	19,880	13,190	7,600	5,680	5,070	5,160	4,790	4,250	17
18	5,620	4,750	8,280	51,280	18,850	12,770	7,640	5,510	4,500	2,880	4,710	6,160	18
19	3,550	2,910	27,320	47,070	16,960	12,820	6,160	6,120	4,700	580	4,640	1,910	19
20	5,690	5,820	36,750	48,300	14,860	12,030	6,570	6,560	6,060	4,230	4,610	3,870	20
21	4,290	4,160	70,830	82,100	13,950	12,250	6,850	6,990	7,130	5,020	5,830	5,100	21
22	4,840	2,870	33,000	106,000	13,010	12,140	7,090	7,000	6,250	6,180	710	4,470	22
23	4,260	3,520	27,740	161,520	12,770	10,810	6,870	5,550	6,780	5,400	1,760	4,650	23
24	4,020	4,180	22,180	126,090	12,050	8,610	7,410	5,810	5,140	5,860	3,890	4,980	24
25	4,390	3,500	19,560	79,640	11,970	10,850	7,480	5,700	8,690	2,270	5,880	5,090	25
26	4,640 A	2,990	17,050	73,400	11,680	9,400	6,990 B	7,110	7,210	650	5,430	2,460	26
27	4,330	3,900	14,240	79,530	10,020	10,380	6,460	6,600	750	870	4,260	2,890	27
28	3,510	4,190	12,920	54,450	15,860	9,020	6,180	6,010	800	4,670	4,790	3,360	28
29	4,190	3,850	11,020	42,660		9,580	6,890	5,120	3,080	4,580	4,150	4,490	29
30	4,400	4,140	9,660	34,830		9,510	6,250	4,690	6,980	4,560	4,570	4,110	30
31	4,760		9,600	29,950		8,760		5,830		4,440	6,110		31
MEAN	4,409	4,441	15,255	47,569	15,551	13,225	7,397	6,107	5,073	4,013	3,895	3,740	MEAN
MAX.	6,600	6,130	70,830	161,520	24,490	17,780	8,810	7,680	8,690	6,180	5,880	6,160	MAX.
MIN.	2,900	2,820	2,010	5,800	10,020	8,610	6,160	4,280	750	580	710	510	MIN.
AC. FT.	271,510	264,260	937,980	2,924,950	863,660	813,220	439,560	375,500	301,890	246,730	239,470	222,550	AC. FT.

A - 25-Hour Day
B - 23-Hour Day

WATER YEAR SUMMARY

MEAN INFLOW	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
10,914											7,901,280

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	INFLOW	CONTENT	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 43 10	122 25 10	NW 15 33N 5W				NOV 1942-DATE	NOV 1942-DATE	1942		0.00	USCGS

The figures contained herein are computed inflow to Shasta Lake and take into account change in storage, release, spill, precipitation, and evaporation. They are representative of the natural flow which would pass the damsite (9.5 miles north of Redding) if the dam had not been constructed. Records furnished by USBR. Drainage area, excluding Goose Lake Basin, is 6,665 square miles.

Shasta Lake has a usable capacity of 4,377,000 acre-feet between elevations 737.75 and 1065.0 feet above mean sea level. Not available for release, 115,700 acre-feet.

TABLE B-14 (Cont.)

DAILY INFLOW

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A36171	WHISKEYTOWN LAKE NEAR WHISKEYTOWN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1,259	45	490	851	3,546	3,588	2,753	3,898	2,131	3,234	3,207	2,154	1
2	1,159	44	448	720	4,044	3,660	2,950	3,618	2,115	3,250	3,161	2,105	2
3	1,079	52	498	720	4,571	3,310	2,841	3,877	2,101	3,244	3,221	2,155	3
4	1,080	152	441	676	4,633	3,460	3,601	3,700	2,088	3,235	3,180	2,091	4
5	1,098	87	462	625	4,311	3,091	3,974	3,677	2,060	3,224	3,204	2,134	5
6	1,086	129	431	618	4,580	2,964	4,002	3,478	2,065	3,104	3,060	2,164	6
7	992	184	307	905	3,804	3,086	4,022	3,471	2,039	3,179	3,033	2,137	7
8	1,073	282	550	854	3,208	3,253	649	3,550	2,155	3,056	3,026	2,088	8
9	1,097	147	467	2,697	3,605	4,148	1,539	3,586	2,171	3,159	3,044	2,045	9
10	1,094	708	654	2,702	4,205	4,688	3,657	2,222	2,043	3,206	3,033	1,932	10
11	1,138	620	1,626	1,943	4,713	4,504	3,670	2,216	2,067	3,245	3,041	1,494	11
12	1,123	612	2,400	1,833	4,966	4,707	3,814	2,199	2,062	3,181	3,067	1,500	12
13	239	583	1,712	3,514	5,155	4,714	3,852	2,253	2,148	2,193	3,042	1,343	13
14	30	637	1,486	4,464	4,792	4,340	3,807	2,272	2,180	3,123	3,168	1,460	14
15	255	668	1,054	3,335	3,495	3,371	3,832	2,131	2,098	3,064	3,100	1,538	15
16	144	693	884	4,340	4,410	3,877	3,833	2,210	2,072	3,216	3,041	1,504	16
17	64	695	818	4,008	4,406	4,495	3,568	1,671	2,067	3,153	3,040	1,543	17
18	42	689	846	2,984	4,409	4,078	3,493	2,303	2,076	3,196	3,036	1,543	18
19	37	686	1,900	2,880	4,549	3,331	3,643	2,147	2,054	3,197	3,054	1,103	19
20	38	782	2,666	3,028	4,407	3,289	3,666	2,141	2,086	3,199	3,050	1,119	20
21	40	679	5,939	4,557	3,666	3,297	3,681	2,181	2,155	3,184	3,033	1,486	21
22	39	674	2,422	5,515	2,548	2,790	3,663	2,120	2,068	3,180	3,046	1,465	22
23	36	694	2,299	9,729	3,310	2,763	3,663	2,064	2,049	3,186	3,037	1,515	23
24	47	722	1,779	7,620	4,385	2,687	3,808	2,131	2,068	3,130	3,022	1,487	24
25	43	665	1,501	4,798	4,423	2,628	3,977	2,119	2,004	3,247	3,037	1,509	25
26	54 A	698	1,336	5,263	4,147	2,724	3,868 B	2,155	2,049	3,319	3,081	1,106	26
27	64	672	1,140	7,032	4,142	3,153	3,965	2,146	2,049	3,233	3,097	1,127	27
28	45	625	950	5,333	3,736	3,038	3,916	2,136	2,045	3,223	3,055	1,537	28
29	61	690	910	6,165		2,672	3,827	2,121	2,105	3,283	3,057	1,515	29
30	42	610	827	5,147		2,734	3,838	2,095	2,062	3,229	3,030	1,502	30
31	68		796	4,616		2,722		2,133		3,231	2,163		31
MEAN	473	507	1,292	3,531	4,149	3,457	3,512	2,581	2,084	3,197	3,047	1,647	MEAN
MAX.	1,259	782	5,939	9,729	5,155	4,714	4,022	3,898	2,180	3,319	3,221	2,164	MAX.
MIN.	30	44	307	618	2,548	2,628	649	1,671	2,004	3,056	2,163	1,103	MIN.
AC. FT.	29,090	30,200	79,420	217,140	230,420	212,560	208,690	158,720	124,030	196,570	187,370	97,990	AC. FT.

A - 25-Hour Day
B - 23-Hour Day

WATER YEAR SUMMARY

MEAN INFLOW	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
2,448											1,772,200

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	INFLOW	CONTENT	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 37 03	122 31 31	32N 6W				MAY 1963-DATE	MAY 1963-DATE	1963		0.00	USCGS

The figures contained herein are computed inflow to Whiskeytown Reservoir and take into account change in storage, release, spill, precipitation, and evaporation. Records furnished by USBR. Drainage area is 200 square miles.

Whiskeytown Reservoir has a usable capacity of 241,100 acre-feet between elevations 1100.0 feet and 1210.0 feet above mean sea level. Not available for release, 27,500 acre-feet.

TABLE B-14 (Cont.)

DAILY INFLOW

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1970	A71121	FOLSOM LAKE NEAR FOLSOM

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1,610	2,370	2,400	4,200	10,080	7,700	4,060	3,100	3,720	2,670	1,860	2,320	1
2	1,470	1,920	2,380	3,420	8,420	7,780	3,440	3,030	3,920	2,970	1,530	2,330	2
3	1,410	2,360	2,080	4,120	7,720	6,870	3,530	2,780	3,790	2,890	1,330	2,130	3
4	1,040	2,430	1,860	3,480	7,250	7,030	2,950	2,880	3,790	1,420	2,150	2,080	4
5	640	3,480	1,820	3,220	6,840	6,880	2,400	3,660	4,220	1,080	2,050	1,940	5
6	940	3,460	1,530	3,680	6,560	6,700	3,200	4,330	4,020	1,310	1,830	1,880	6
7	2,040	2,950	1,260	3,520	6,540	6,280	3,370	4,410	3,090	1,260	2,360	1,450	7
8	2,290	2,600	1,200	3,780	6,000	7,690	3,500	4,210	4,480	1,950	2,270	1,410	8
9	1,070	2,620	2,010	4,460	5,210	6,120	3,900	4,120	4,600	1,540	1,810	1,510	9
10	1,120	2,060	2,300	8,830	5,770	6,950	3,980	3,370	4,550	1,560	2,120	1,550	10
11	980	1,890	2,330	5,530	5,970	6,360	4,230	2,810	4,290	1,400	2,210	1,580	11
12	1,120	2,260	2,830	4,920	6,490	5,940	3,180	3,640	4,200	990	2,330	1,330	12
13	820	2,440	1,950	8,770	7,460	5,680	3,070	3,510	4,050	1,340	2,280	870	13
14	2,020	2,340	1,550	28,080	8,560	5,820	4,050	2,750	3,460	1,140	2,250	1,360	14
15	2,540	2,460	1,680	19,020	6,620	4,640	4,000	3,920	3,460	1,190	2,250	1,400	15
16	2,520	1,910	2,220	43,390	6,570	4,550	3,940	4,350	3,920	1,370	1,400	1,260	16
17	2,930	2,380	2,240	46,220	11,340	5,160	4,010	3,770	2,980	910	2,020	1,550	17
18	2,320	2,460	2,390	23,110	9,310	4,820	3,990	3,530	2,590	1,700	2,190	1,470	18
19	1,530	2,260	2,860	14,390	8,290	4,830	3,050	4,850	2,580	1,440	2,260	1,390	19
20	1,300	2,310	10,050	18,480	7,960	5,260	2,860	4,560	1,880	1,180	1,750	1,470	20
21	2,370	2,350	17,920	62,330	7,280	4,720	3,660	4,450	1,430	1,990	2,280	1,480	21
22	2,330	2,430	12,450	66,650	6,060	3,590	3,640	4,780	1,650	2,080	2,050	1,360	22
23	2,260	2,030	7,550	31,060	5,630	3,770	3,260	4,290	1,950	1,980	1,800	1,330	23
24	2,120	2,230	25,680	34,250	6,580	4,930	2,880	2,990	2,410	1,660	1,670	1,290	24
25	2,040	2,380	16,840	22,610	5,500	4,590	2,910	2,820	2,970	2,040	2,410	1,300	25
26	1,940 A	2,200	10,920	17,400	5,760	4,800	2,570 B	3,760	2,800	1,730	2,180	1,380	26
27	1,910	2,020	6,530	24,380	5,780	4,710	2,790	4,050	2,700	1,590	2,030	1,290	27
28	1,920	2,500	4,460	18,660	5,990	4,390	3,540	3,970	2,030	1,820	2,220	1,360	28
29	2,030	2,130	4,270	14,420		2,830	3,600	4,820	2,070	2,030	2,260	1,340	29
30	2,020	2,000	4,670	12,170		3,740	3,770	4,710	2,920	2,130	2,000	1,310	30
31	1,980		4,290	10,260		4,010		3,550		2,040	1,340		31
MEAN	1,762	2,374	5,307	18,349	7,055	5,456	3,444	3,799	3,272	1,690	2,016	1,524	MEAN
MAX.	2,930	3,480	25,680	66,650	11,340	7,780	4,230	4,850	4,600	2,970	2,410	2,330	MAX.
MIN.	640	1,890	1,200	3,220	5,210	2,830	2,400	2,750	1,430	910	1,330	870	MIN.
AC. FT.	108,520	141,280	326,330	1,128,230	391,820	335,490	204,740	233,600	191,450	103,940	123,950	90,690	AC. FT.

WATER YEAR SUMMARY

MEAN INFLOW	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
4,669											3,380,040

A - 25-Hour Day
B - 23-Hour Day

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	INFLOW	CONTENT	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 42 29	121 09 22	NE 24 10N 7E				FEB 1955-DATE	FEB 1955-DATE	1955		0.00	USCGS

The figures contained herein are computed inflow to Folsom Reservoir and take into account change in storage, release, spill, precipitation, and evaporation. They are representative of the natural flow which would pass the damsite (2.3 miles northeast of Folsom) if the dam had not been constructed. Records furnished by USBR. Drainage area is 1,861 square miles (Revised).

TABLE B-15

CORRECTIONS AND REVISIONS TO
PREVIOUSLY PUBLISHED REPORTS

Corrections and revisions pertain to bulletins of surface water flows published from 1924 to date. These publications are:

Report 1. "Report of Sacramento-San Joaquin Water Supervision". Published from 1924 through 1955.

Report 2. Bulletin No. 23, "Surface Water Flow". Published from 1956 through 1962.

Report 3. "Flood Flows and Stages in Sacramento and Northern San Joaquin Valleys". Published from 1913 through 1956.

Report 4. Bulletin No. 130, "Hydrologic Data: Volume II, Northeastern California". Published from 1963 to date.

Corrections and revisions to surface water data made prior to publication of Bulletin No. 130-68, "Hydrologic Data: Volume II, Northeastern California", are in Bulletin No. 130-67. This report contains corrections made since publication of Bulletin No. 130-67.

TABLE B-15

CORRECTIONS AND REVISIONS TO PREVIOUSLY PUBLISHED REPORTS OF SURFACE WATER DATA

Location of Error or Revision					Change or Revision	
Report	Page	Mile & Bank	Name	Item	From	To
				1965		
4	286		Mokelumne River near Thornton	Datum of Gage	1964, -3.00 USCGS	1964, 0.00 USCGS
				1966		
4	151		Sacramento River	Total Diversion, Sacramento to Redding	104,148 Acre-Feet	1,041,478 Acre-Feet
4	245, 246		Sacramento River at Collinsville	Datum of Gage		Datum of Gage Period From / To — Zero on Gage — Ref. Datum 1929 — 0.00 USED -3.05 USCGS 1964 — -3.54 USCGS 1964 — -3.00 USCGS
				1967		
4	264		Mokelumne River near Thornton	Datum of Gage	1964, -3.00 USCGS	1964, 0.00 USCGS
4	296		Sacramento River at Collinsville	Datum of Gage		Datum of Gage Period From / To — Zero on Gage — Ref. Datum 1929 — 0.00 USED -3.05 USCGS 1964 — -3.54 USCGS 1964 — -3.00 USCGS
4	296		Sacramento River at Collinsville	Daily Maximum and Minimum Tides		Notation: In order to machine process the data, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain gage heights.
4	312		Suisun Bay at Benicia	Daily Maximum and Minimum Tides		Notation: In order to machine process the data, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain gage heights.
				1968		
4	54		Clover Creek Bypass near Upper Lake	Number Change	A89140	A81940
4	55, 61, 68		Grindstone Creek near Elk Creek	Number Change	A31300	A31302
4	94		Grindstone Creek near Elk Creek	Number Change	A31395	A31302
4	55, 63, 73		Kellogg Creek near Byron	Number Change	B95295	B89200
4	70		Fremont Weir Spill to Yolo Bypass	Map Plotting		To be located approximately midway between A02160 and A02170.
4	79		Willow Creek near Litchfield	Date of Discontinuance	9-30-68	9-30-67
4	87		Red Bank Creek near Red Bluff	Station Location	Station located at Red Bank Road Bridge, 11 miles southwest of Red Bluff.	Station located at Briggs Road Bridge, 11 miles southwest of Red Bluff.
4	198	11.0R	Hallwood Irrigation Company	Diversions — December	13,503	4,863
				January	2,530	1,140
				April	17,650	10,950
				May	32,730	19,600
				June	29,734	17,210
				July	29,880	17,540
				August	28,060	16,120
				September	15,160	9,880
				TOTAL	169,334	97,390
4	239		Sutter Bypass at Long Bridge	Station Location	Station located on west levee, 0.2 mile north of State Highway 20, 319 miles east of Meridian.	Station located on west levee, 0.2 mile north of State Highway 20, 3.9 miles east of Meridian.
4	256		Sacramento River at Sacramento	Daily Mean Gage Height — February 28	20.74	20.90
				February 29	20.74	20.92

Appendix C

GROUND WATER MEASUREMENTS

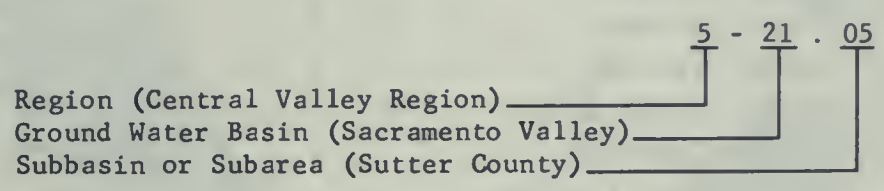
INTRODUCTION

This appendix contains ground water level measurements from 2,316 wells for the period October 1, 1969, through September 30, 1970. It contains hydrographs of selected wells and tables which summarize the measurements.

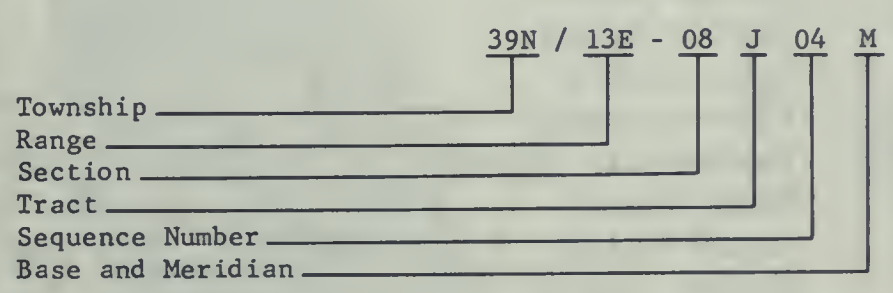
There are 37 ground water basins or areas in the Northern Central Valley Region and the Northern Lahontan Region for which data are reported. Wells are selected to reflect the ground water conditions of the area. These wells are continuously reviewed, and when conditions dictate, replacement wells are located and measured.

Two numbering systems are used by the Department to facilitate processing of water level measurement data. The two systems are the Region and Basin Designation and the State Well Numbering System as described below.

The regions used in this report are geographic areas defined in Section 13200 of the Water Code. That portion of Northern California covered by this report comprises the northern portions of Central Valley Region No. 5 and Lahontan Region No. 6. A decimal system of the form 0-00.00 has been selected according to geographic regions, ground water basins, and subbasins or subareas as follows:



The State Well Numbering System is based on township, range, and section subdivisions of the public land survey. The number of a well, assigned in accordance with this system, is referred to as the State Well Number, as illustrated below:



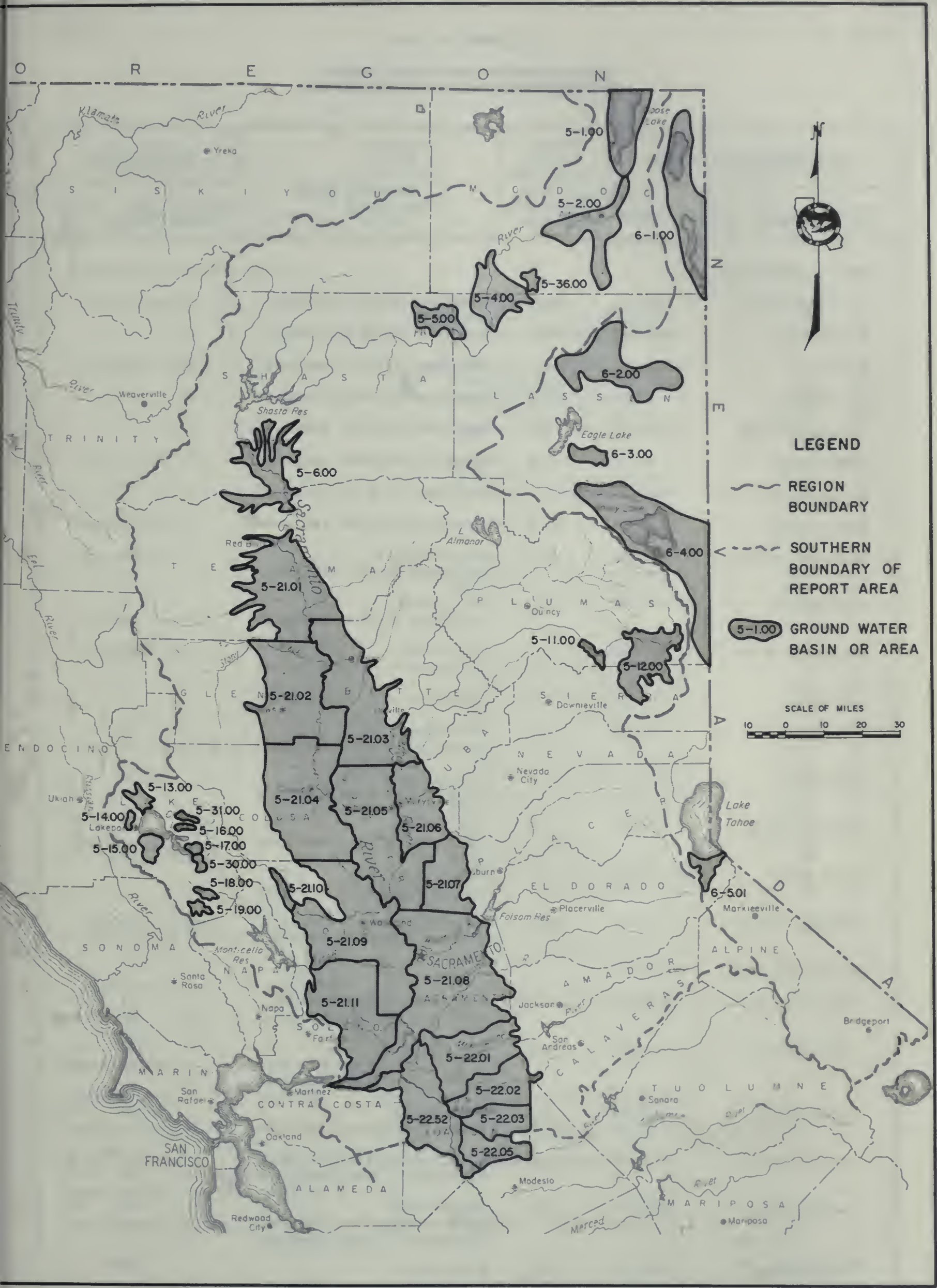
This number identifies and locates the well. In the example, the well is in Township 39 North, Range 13 East, Tract J of Section 8, located in the Mount Diablo Base and Meridian. A section is divided into 40-acre tracts as follows:

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Sequence numbers in a tract are generally assigned in chronological order. The example designates the fourth well to be assigned a number in Tract J.

INDEX TO GROUND WATER MEASUREMENT DATA
IN NORTHEASTERN CALIFORNIA

Number		Page
	CENTRAL VALLEY REGION 5-00.00	
5-01.00	Goose Lake Valley	274, 285
5-02.00	Alturas Basin	274, 285
5-04.00	Big Valley	274, 285
5-36.00	Round Valley	274, 285
5-05.00	Fall River Valley	274, 285
5-06.00	Redding Basin	274, 286
5-11.00	Mohawk Valley	274, 286
5-12.00	Sierra Valley	274, 286
5-13.00	Upper Lake Valley	274, 287
5-14.00	Scott Valley	274, 287
5-15.00	Kelseyville Valley	274, 287
5-31.00	Long Valley	274, 288
5-16.00	High Valley	274, 288
5-17.00	Burns Valley	274, 288
5-30.00	Lower Lake Area	274, 288
5-18.00	Coyote Valley	274, 288
5-19.00	Collayomi Valley	274, 288
5-21.00	Sacramento Valley	
5-21.01	Tehama County	274, 289
5-21.02	Glenn County	274, 291
5-21.03	Butte County	274, 294
5-21.04	Colusa County	274, 298
5-21.05	Sutter County	274, 300
5-21.06	Yuba County	274, 302
5-21.07	Placer County	275, 304
5-21.08	Sacramento County	275, 306
5-21.09	Yolo County	275, 312
5-21.10	Capay Valley	275, 318
5-21.11	Solano County	275, 318
5-22.00	San Joaquin Valley	
5-22.01	Mokelumne River Area	275, 322
5-22.02	Calaveras River Area	275, 326
5-22.03	Farmington-Collegeville Area	275, 329
5-22.05	South San Joaquin Irrigation District	275, 330
5-22.52	Delta Area	275, 331
	LAHONTAN REGION 6-00.00	
6-01.00	Surprise Valley	275, 331
6-02.00	Madeline Plains	275, 332
6-04.00	Honey Lake Valley	275, 332
6-05.00	Tahoe Valley	
6-05.01	South Tahoe Valley	275, 332



GROUND WATER BASINS IN NORTHEASTERN CALIFORNIA

TABLE C-1

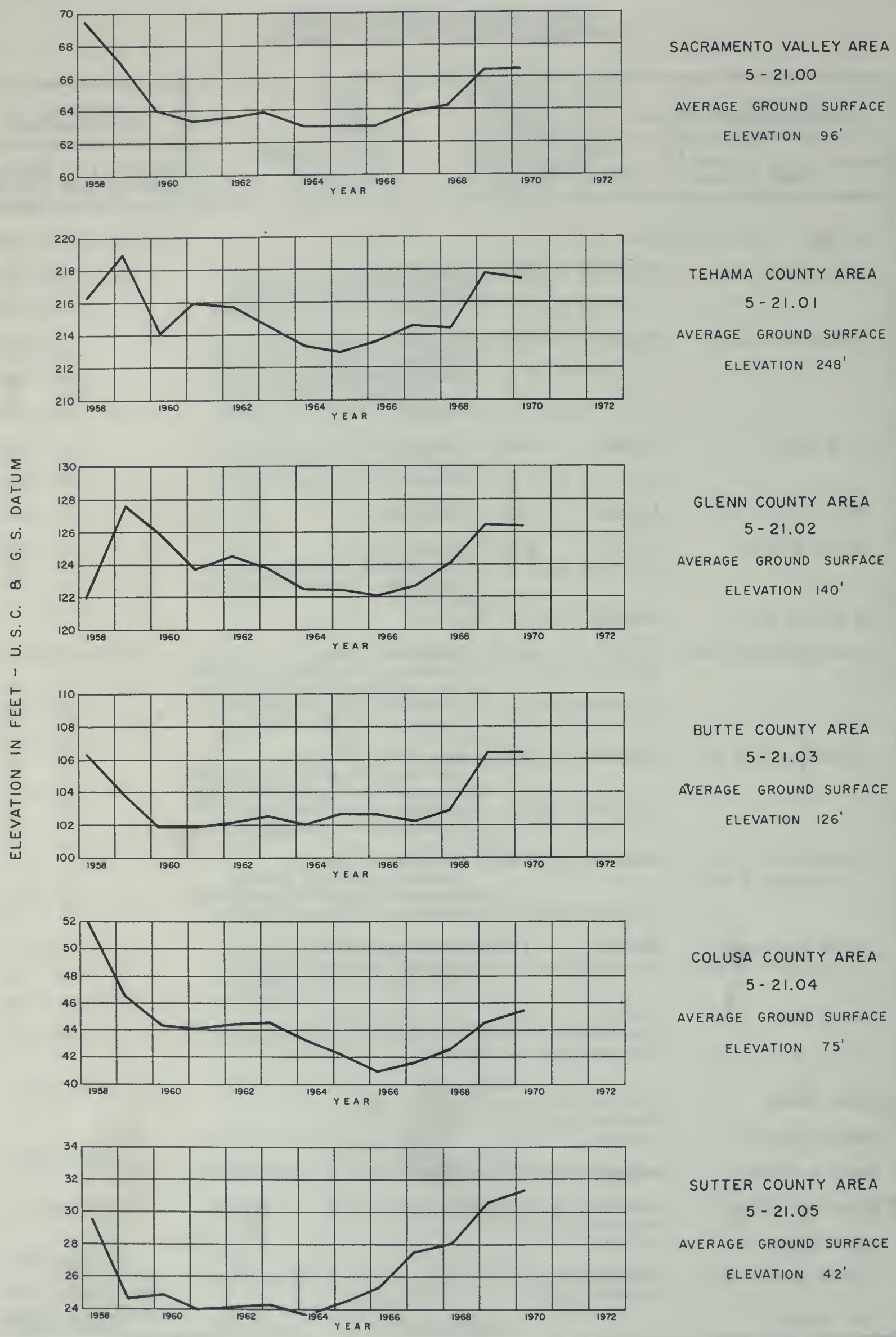
AVERAGE CHANGE OF GROUND WATER LEVELS
AND SUMMARY OF WELL MEASUREMENTS REPORTED

Ground Water Basin or Area		Average Change Spring 1969 to Spring 1970 in feet	Measuring Agency	Number of Wells Reported		
Name	Number			Monthly 1969-70	Fall 1969	Spring 1970
CENTRAL VALLEY REGION						
Goose Lake Valley	5-01.00	+0.3	Department of Water Resources	2		
Alturas Basin	5-02.00	+0.7	Department of Water Resources	6		
Big Valley	5-04.00	+0.4	Department of Water Resources	4		
Round Valley	5-36.00	+0.2	Department of Water Resources	2		
Fall River Valley	5-05.00	+1.2	Department of Water Resources	3		
Redding Basin	5-06.00	-2.8	Department of Water Resources	10		
Mohawk Valley	5-11.00	-1.5	Department of Water Resources			1
Sierra Valley	5-12.00	-0.7	Department of Water Resources		25	25
Upper Lake Valley	5-13.00	-0.5	Lake County		20	
			Department of Water Resources		5	7
Scott Valley	5-14.00	-2.0	Lake County		8	
			Department of Water Resources		1	1
Kelseyville Valley	5-15.00	-0.3	Lake County		58	
			Department of Water Resources		9	11
Long Valley	5-31.00	-0.6	Department of Water Resources		2	2
High Valley	5-16.00	+4.6	Lake County		5	
			Department of Water Resources		2	1
Burns Valley	5-17.00	+0.3	Lake County		2	
			Department of Water Resources		1	1
Lower Lake Area	5-30.00	-0.6	Lake County		2	
			Department of Water Resources		1	1
Coyote Valley	5-18.00	+0.1	Lake County		7	
			Department of Water Resources			1
Collayomi Valley	5-19.00	+0.4	Lake County		13	
			Department of Water Resources			1
Sacramento Valley	5-21.00					
Tehama County	5-21.01	-0.4	U. S. Bureau of Reclamation		5	5
			Department of Water Resources	16	64	64
Glenn County	5-21.02	-0.1	Glenn County		114	114
			U. S. Bureau of Reclamation		23	23
			Department of Water Resources	13		
Butte County	5-21.03	0.0	Butte County		123	123
			Department of Water Resources	14		
Colusa County	5-21.04	+0.8	U. S. Bureau of Reclamation		33	33
			Department of Water Resources	8	40	40
Sutter County	5-21.05	+0.7	Sutter County		107	105
			South Sutter Water District		26	24
			Department of Water Resources	1	17	25
Yuba County	5-21.06	-0.5	Yuba County		72	71
			Department of Water Resources	1	8	26

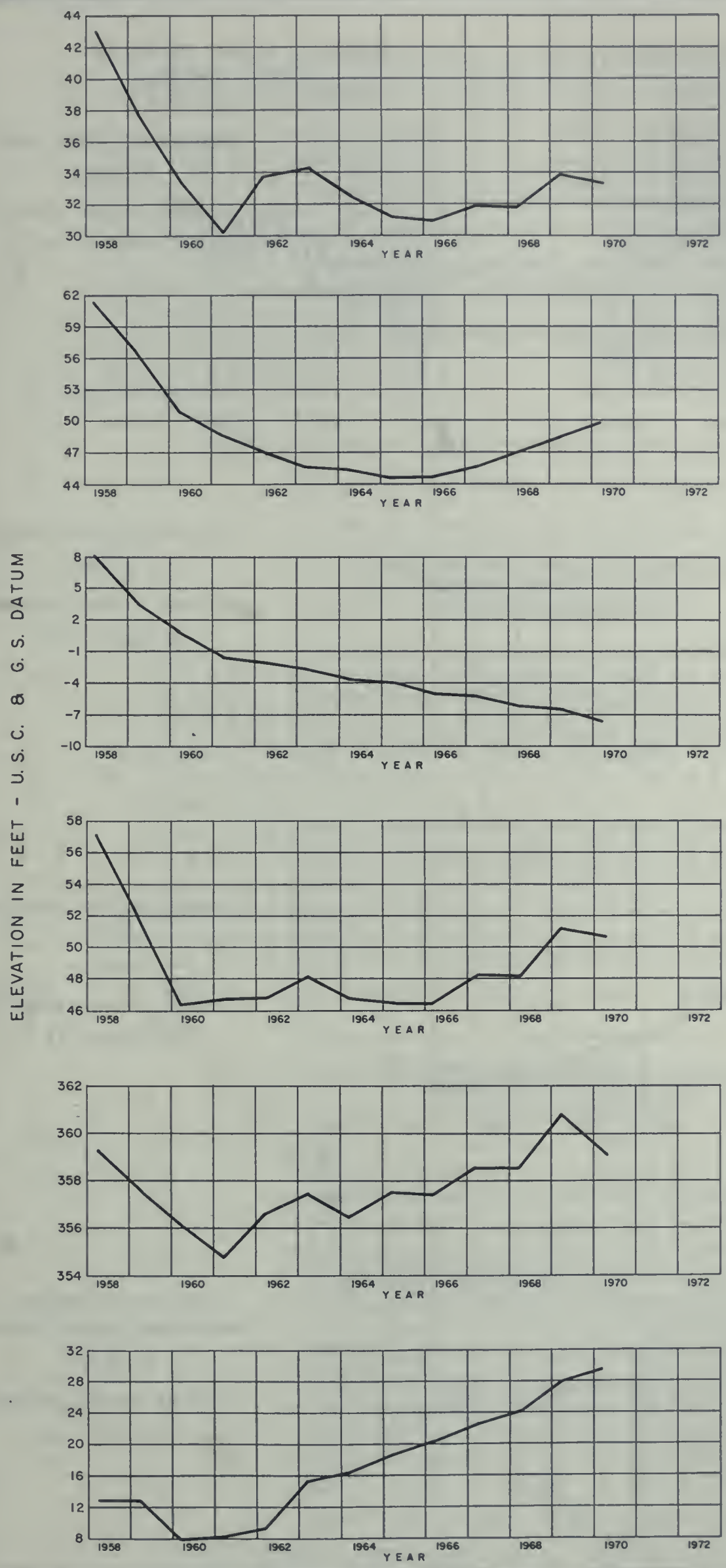
TABLE C-1 (Continued)

AVERAGE CHANGE OF GROUND WATER LEVELS
AND SUMMARY OF WELL MEASUREMENTS REPORTED

Ground Water Basin or Area		Average Change Spring 1969 to Spring 1970 in feet	Measuring Agency	Number of Wells Reported		
Name	Number			Monthly 1969-70	Fall 1969	Spring 1970
Sacramento Valley (Continued)						
Placer County	5-21.07	+1.4	Placer County		80	73
			South Sutter Water District		2	2
			Department of Water Resources	7	4	12
Sacramento County	5-21.08	-1.1	Sacramento County			103
			Sacramento Muni. Utility Dist.		17	18
			Arcade Water District		28	39
			U. S. Bureau of Reclamation		100	95
			Department of Water Resources	17	60	59
Yolo County	5-21.09	-0.6	Yolo County		173	167
			U. S. Bureau of Reclamation		87	87
			Department of Water Resources	12	26	27
Capay Valley	5-21.10	-1.6	Yolo County		21	21
Solano County	5-21.11	+1.4	Solano County		28	28
			U. S. Bureau of Reclamation		101	101
			Department of Water Resources	12	22	22
San Joaquin Valley	5-22.00					
Mokelumne River Area	5-22.01	-0.8	San Joaquin County		93	93
			California Water Service Company		4	4
			East Bay Municipal Utility Dist.	1	63	63
			U. S. Bureau of Reclamation		4	4
			Department of Water Resources	1	24	40
Calaveras River Area	5-22.02	+0.1	San Joaquin County		85	85
			California Water Service Company		19	19
			East Bay Municipal Utility Dist.		4	4
			Stockton & East San Joaquin WCD		36	36
			Department of Water Resources	3	22	35
Farmington-Collegeville Area	5-22.03	-0.6	San Joaquin County		57	55
			Oakdale Irrigation District		2	2
			Stockton & East San Joaquin WCD		1	1
			Department of Water Resources	1	6	16
South San Joaquin Irrigation District	5-22.05	-1.0	San Joaquin County		2	2
			Oakdale Irrigation District		1	1
			Department of Water Resources		8	30
Delta Area	5-22.52	-1.7	San Joaquin County		2	2
			Department of Water Resources	1	4	13
LAHONTAN REGION						
Surprise Valley	6-01.00	+1.8	Department of Water Resources	6		
Madeline Plains	6-02.00	+2.0	Department of Water Resources	2		
Honey Lake Valley	6-04.00	+1.0	Department of Water Resources	5		
Tahoe Valley	6-05.00					
South Tahoe Valley	6-05.01	-1.0	Department of Water Resources	7	16	
TOTAL				155	1,995	2,064



FLUCTUATION OF AVERAGE GROUND WATER LEVEL IN SELECTED AREAS



YUBA COUNTY AREA
5-21.06
AVERAGE GROUND SURFACE
ELEVATION 70'

PLACER COUNTY AREA
5-21.07
AVERAGE GROUND SURFACE
ELEVATION 100'

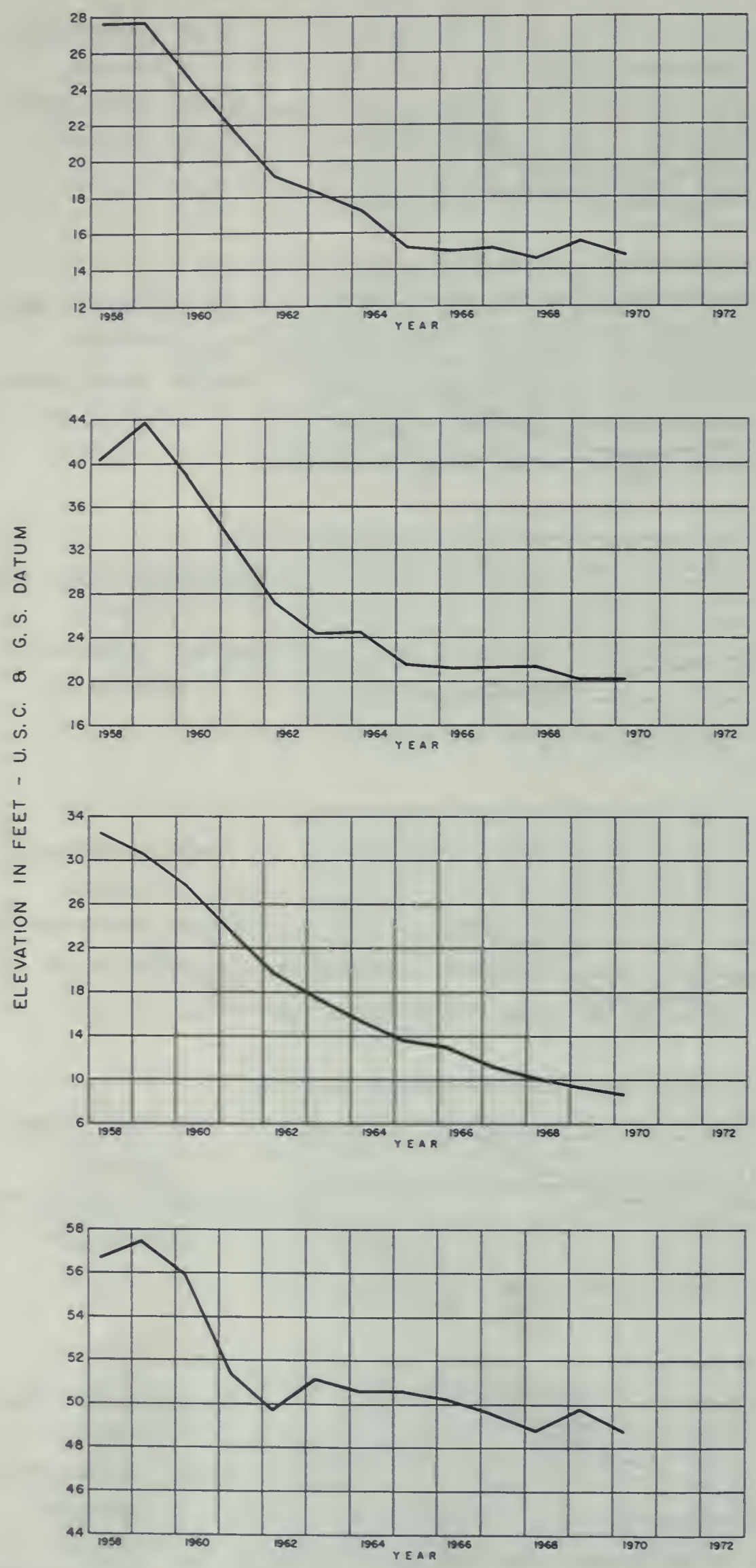
SACRAMENTO COUNTY AREA
5-21.08
AVERAGE GROUND SURFACE
ELEVATION 52'

YOLO COUNTY AREA
5-21.09
AVERAGE GROUND SURFACE
ELEVATION 79'

CAPAY VALLEY AREA
5-21.10
AVERAGE GROUND SURFACE
ELEVATION 380'

SOLANO COUNTY AREA
5-21.11
AVERAGE GROUND SURFACE
ELEVATION 55'

FLUCTUATION OF AVERAGE GROUND WATER LEVEL IN SELECTED AREAS



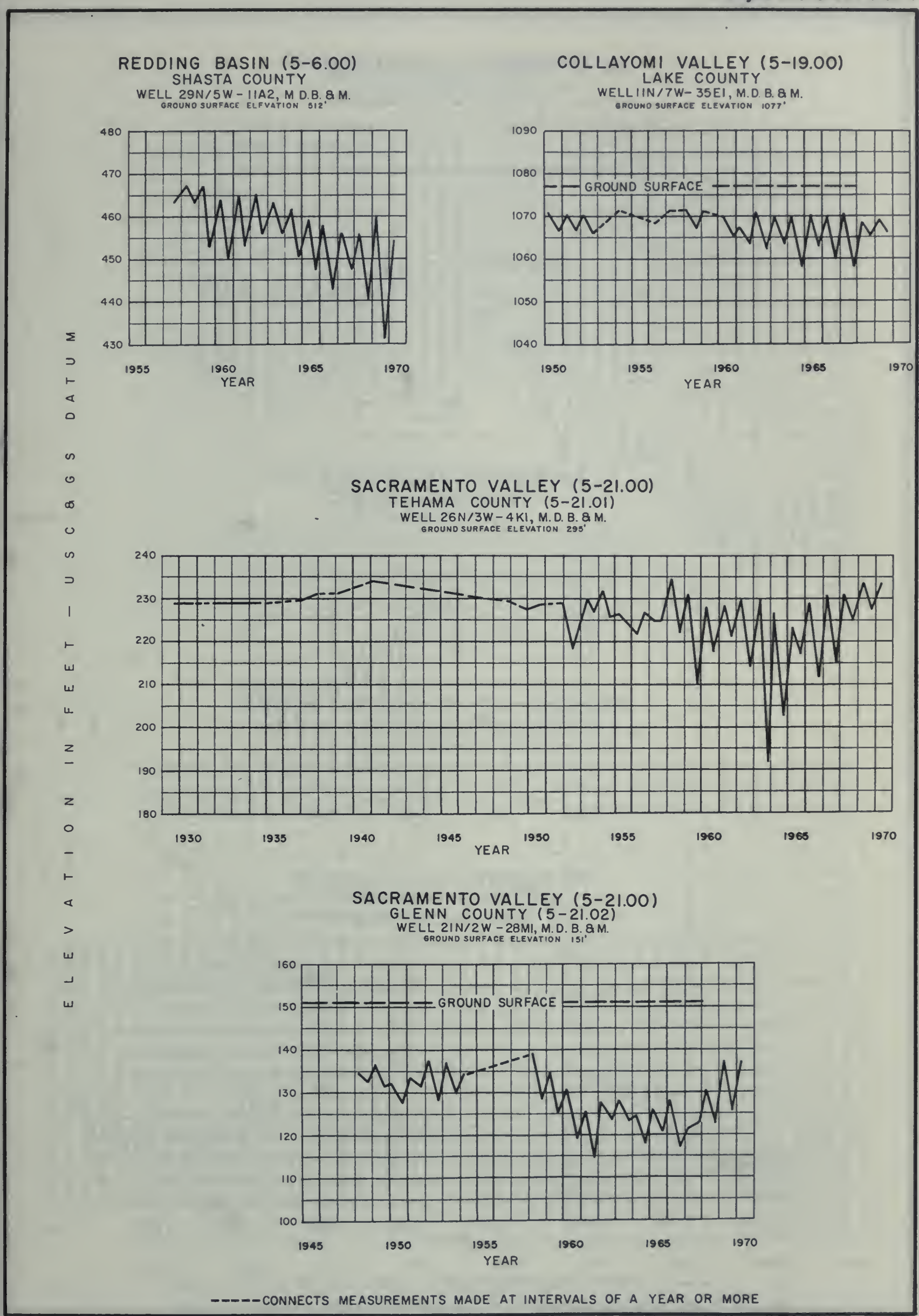
MOKELUMNE RIVER AREA
5-22.01
AVERAGE GROUND SURFACE
ELEVATION 73'

CALAVERAS RIVER AREA
5-22.02
AVERAGE GROUND SURFACE
ELEVATION 97'

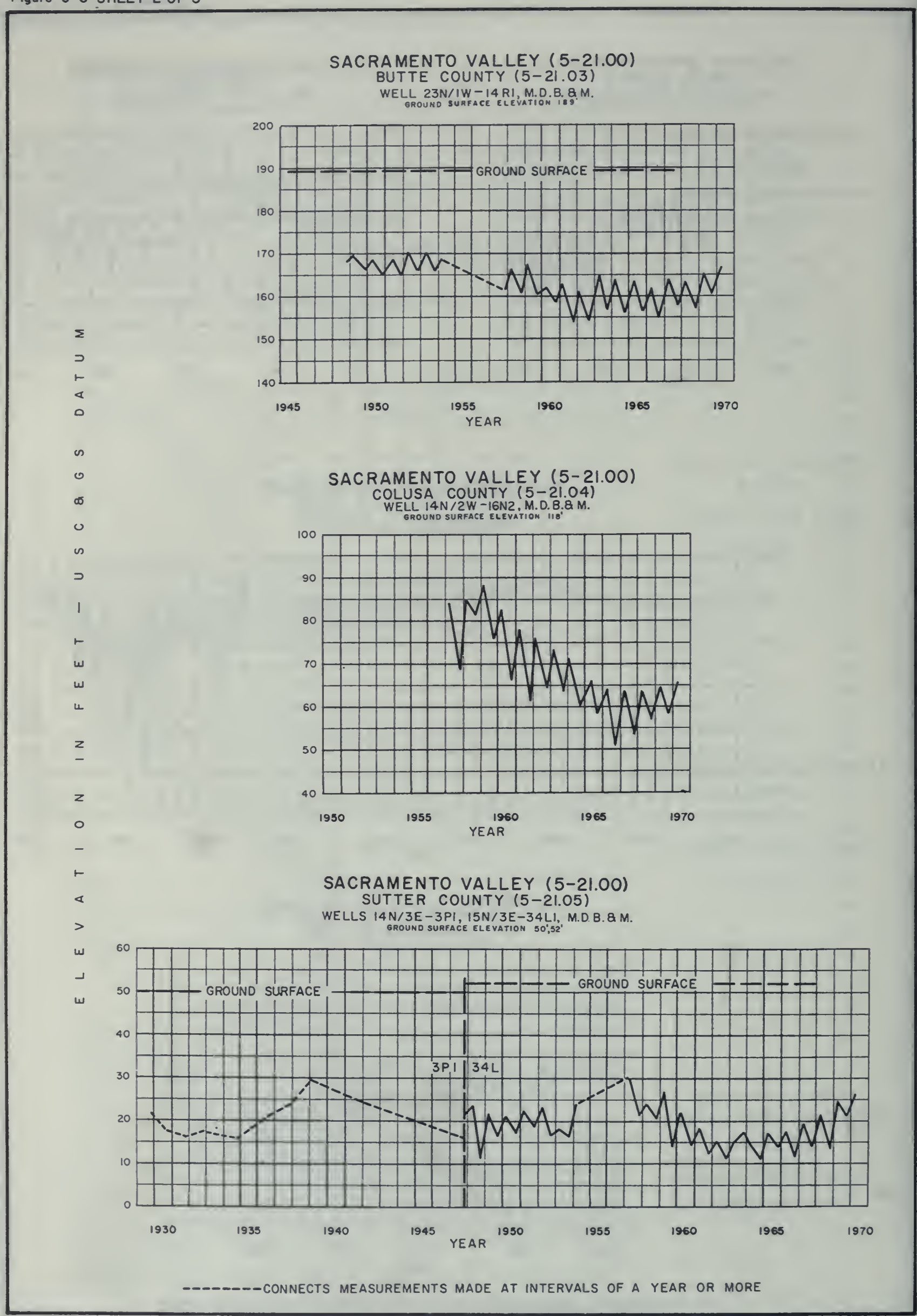
FARMINGTON - COLLEGEVILLE
AREA
5-22.03
AVERAGE GROUND SURFACE
ELEVATION 78'

SOUTH SAN JOAQUIN
IRRIGATION DISTRICT AREA
5-22.05
AVERAGE GROUND SURFACE
ELEVATION 69'

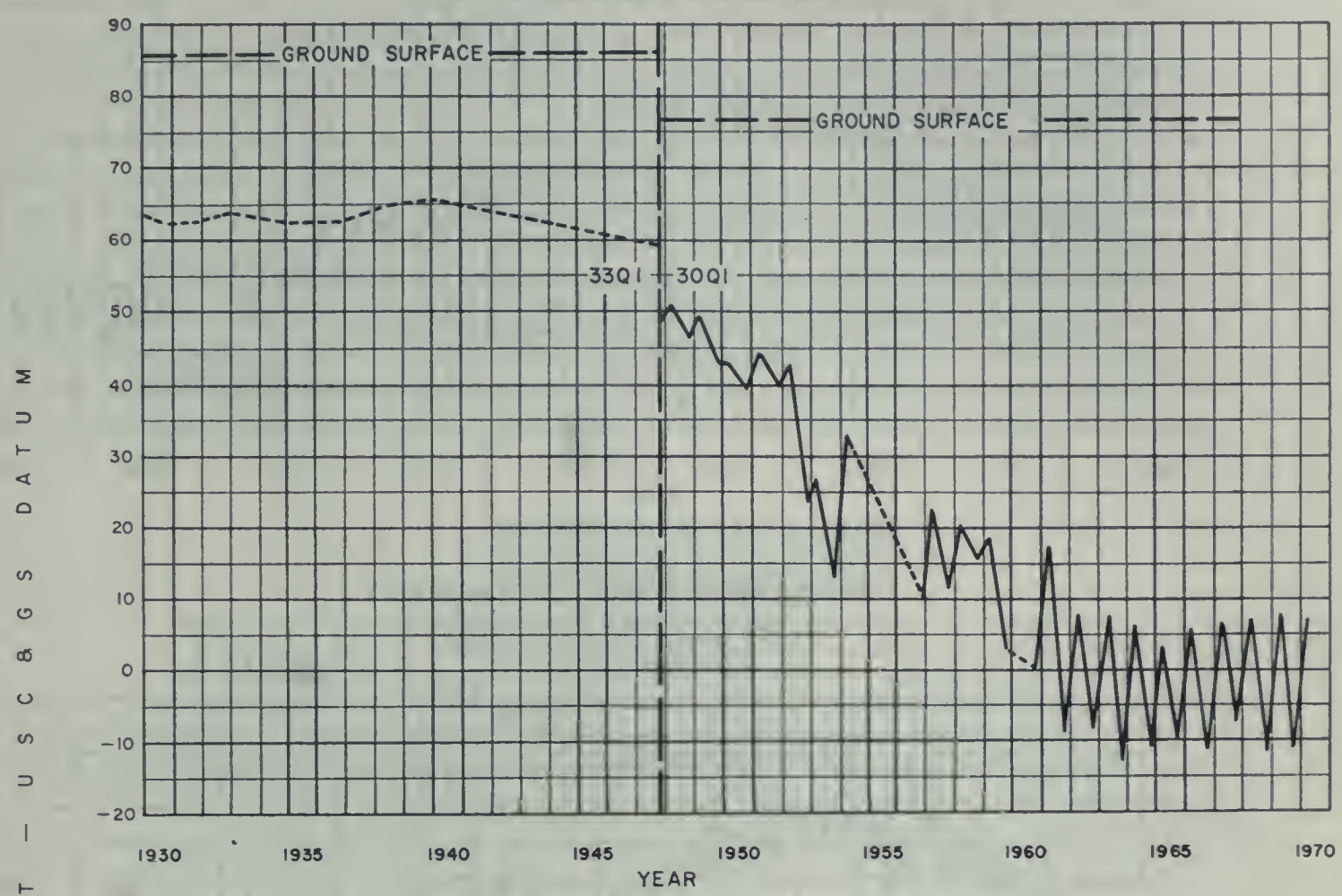
FLUCTUATION OF AVERAGE GROUND WATER LEVEL IN SELECTED AREAS

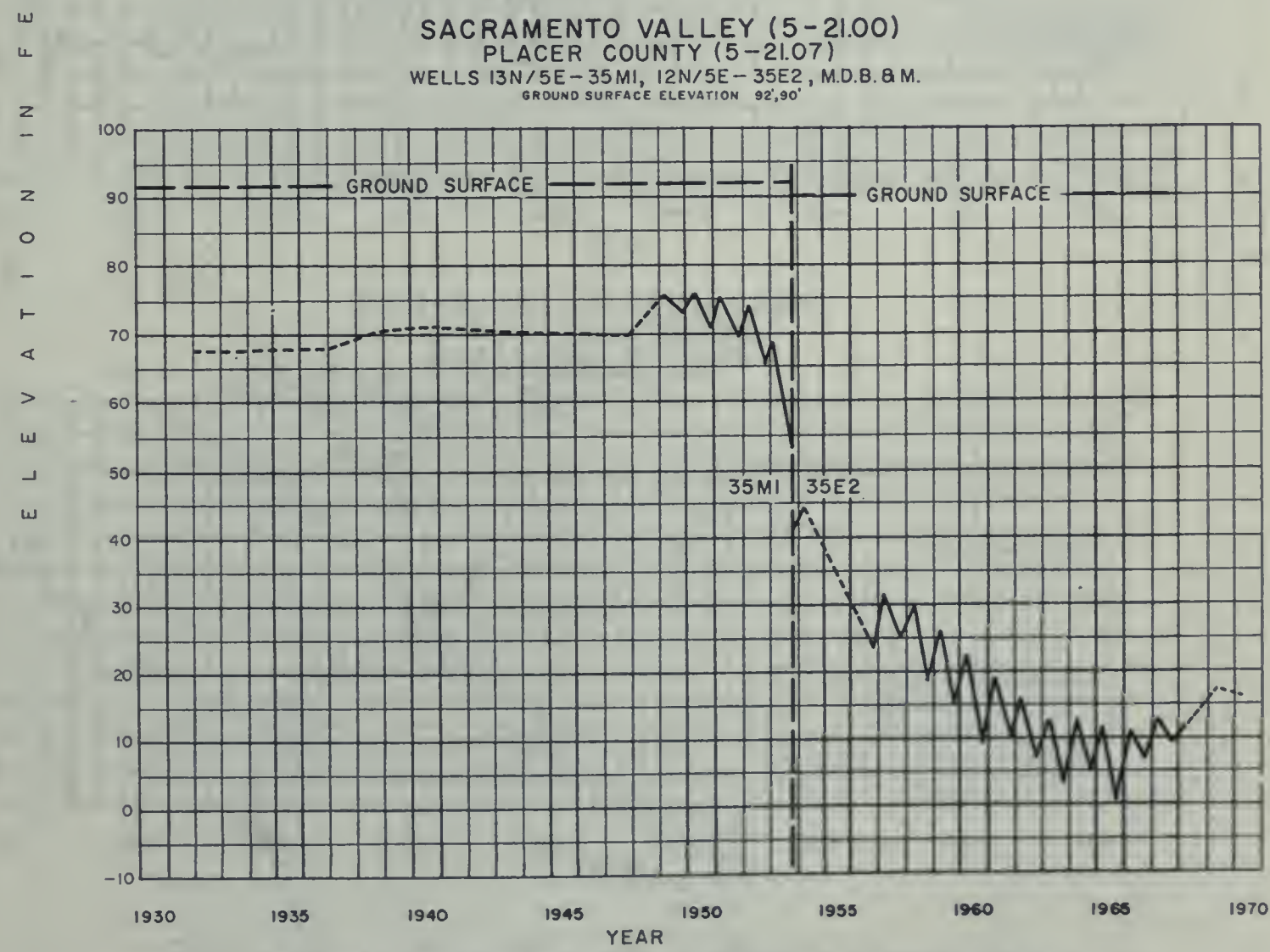


FLUCTUATION OF WATER LEVEL IN WELLS



FLUCTUATION OF WATER LEVEL IN WELLS

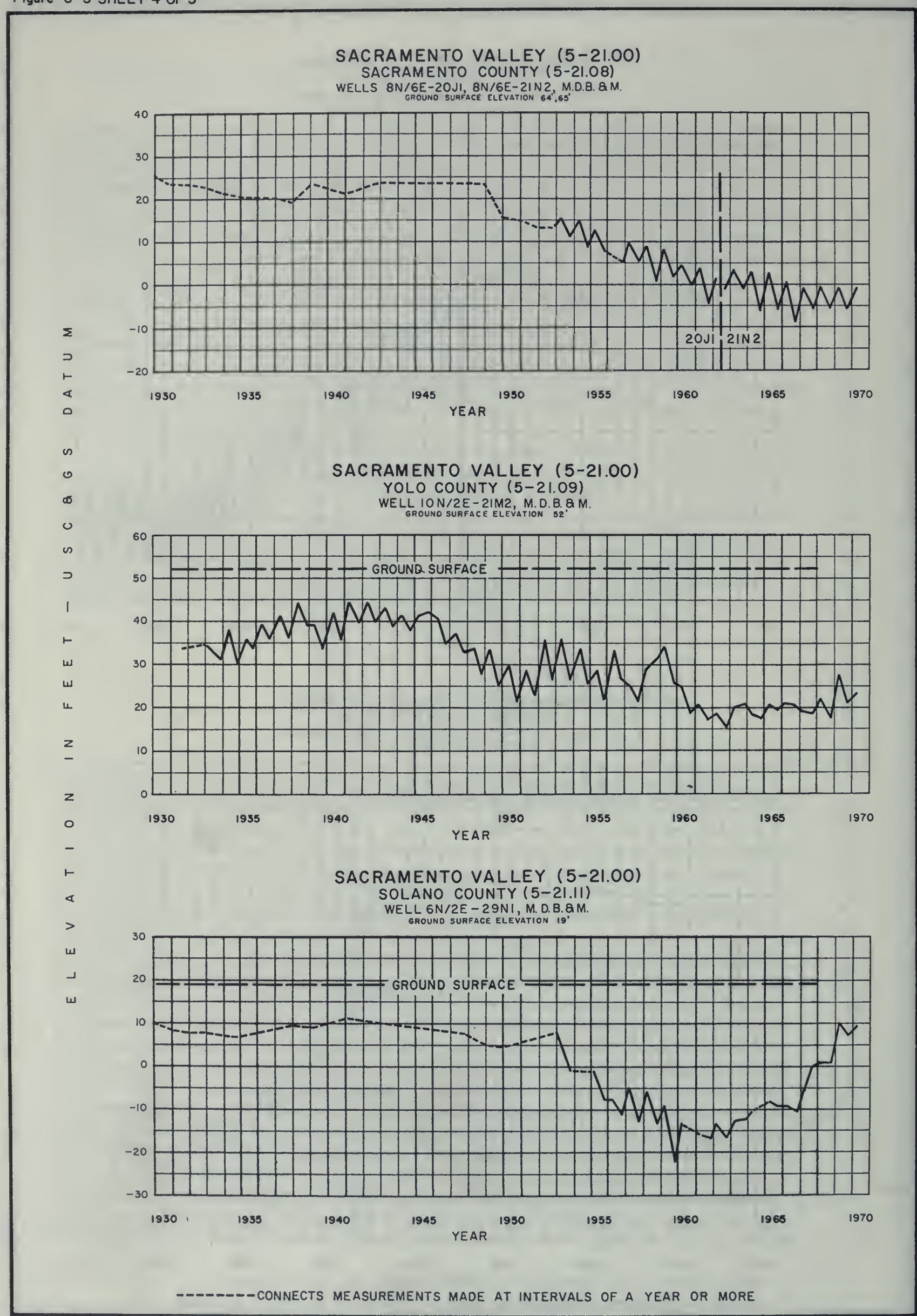




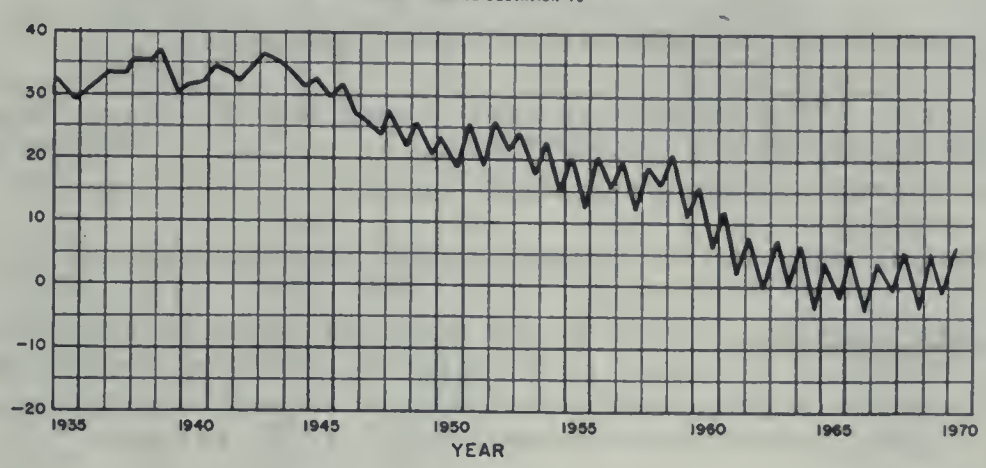
ELEVATION IN FEET — USC & GS DATUM

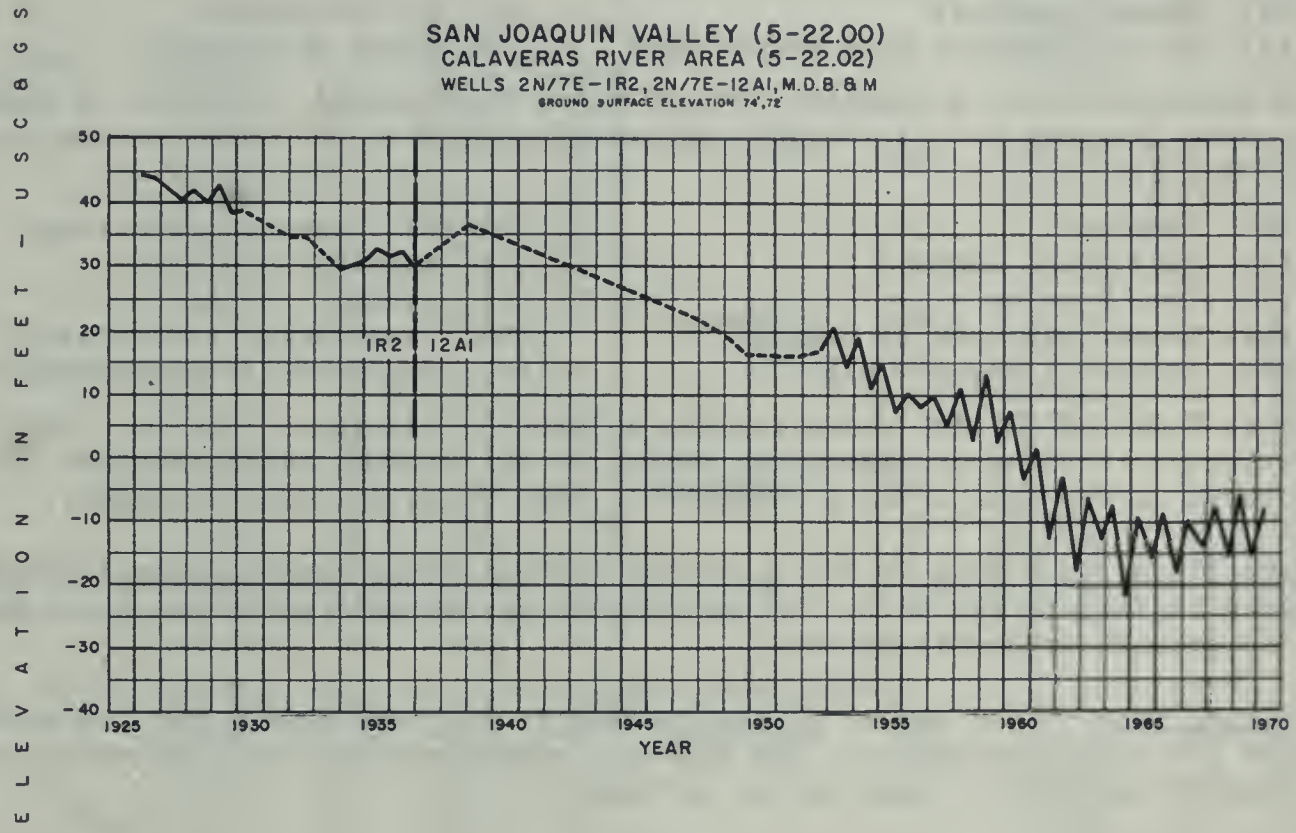
--------CONNECTS MEASUREMENTS MADE AT INTERVALS OF A YEAR OR MORE

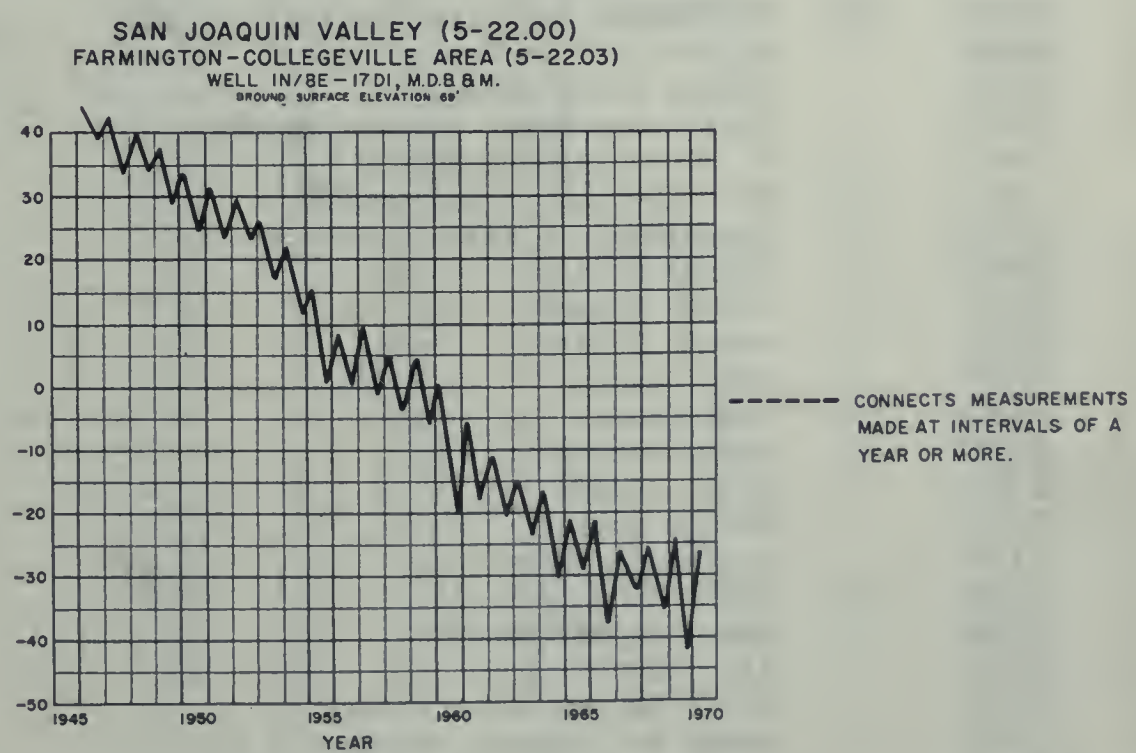
FLUCTUATION OF WATER LEVEL IN WELLS



FLUCTUATION OF WATER LEVEL IN WELLS







FLUCTUATION OF WATER LEVEL IN WELLS

TABLE C-2 GROUND WATER LEVELS AT WELLS

An explanation of the column headings and the code symbols follows:

State Well Number - Refer to the explanation under Introduction.

Ground Surface Elevation - The numbers in this column are the elevations in feet above mean sea level (USGS Datum) of the ground surface at the well. Elevations are usually taken from topographic maps and the accuracy is controlled by topographic standards.

Date - The date shown is when the depth measurement given in the next column was made.

Ground Surface to Water Surface - This is the measured depth in feet from the ground surface to the water surface in the well; certain of the depth measurements in the column may be preceded by a number in parentheses to indicate a questionable measurement. The code applicable to these "questionable measurements" is as follows:

(1) Pumping
(2) Nearby pump operating
(3) Casing leaking or wet
(4) Pumped recently
(5) Air or pressure gage measurement
(6) Other
(7) Recharge operation at or near well
(8) Oil in casing
(9) Caved or deepened

When a measurement was attempted, but could not be obtained, then only a number in parentheses is shown in the column. The code applicable to these "no measurements" is as follows:

(1) Pumping
(2) Pump house locked
(3) Tape hung up
(4) Cannot get tape in casing
(5) Unable to locate well
(6) Well has been destroyed
(7) Special
(8) Casing leaking or wet
(9) Temporarily inaccessible
(0) Measurements discontinued

The words FLOW and DRY are shown in this column to indicate a flowing or dry well, respectively. A minus preceding the number in this column indicates that the static water level in the well is this distance in feet above the ground surface.

Water Surface Elevation - This is the elevation in feet above mean sea level (USGS Datum) of the water surface in the well. It was derived by subtraction of the depth measurement from the ground surface elevation.

Agency Supplying Data - Each number in this column is the code number for the agency supplying data for that measurement. The agencies supplying data for this report and the code numbers assigned to them are as follows:

Code	Agency
4202	Sacramento Municipal Utility District
4203	City of Stockton
4400	Arcade Water District
4701	California Water Service Company
5000	U. S. Geological Survey
5001	U. S. Bureau of Reclamation
5050	Department of Water Resources
5100	Tehama County
5101	Colusa County
5102	Sutter County
5103	Yuba County
5104	Yolo County
5105	Glenn County
5106	Butte County
5107	Placer County
5108	Sacramento County
5109	Solano County
5110	San Joaquin County
5111	Lake County
5401	South Sutter Water District
7518	South San Joaquin Irrigation District
8201	East Bay Municipal Utility District

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CENTRAL VALLEY REGION 5-00.00					
GOOSE LAKE VALLEY 5-01.00					
45N/14E-17P01M	4796.9	10-22-69	49.1	4747.8	5050
		11-19-69	48.8	4748.1	5050
		12-23-69	48.5	4748.4	5050
		1-21-70	48.3	4748.6	5050
		2-19-70	48.5	4748.4	5050
		3-17-70	47.3	4749.6	5050
48N/14E-24A03M	4847.3	10-22-69	17.7	4829.6	5050
		11-19-69	18.5	4828.8	5050
		12-23-69	18.2	4829.1	5050
		1-21-70	14.7	4832.6	5050
		2-19-70	14.6	4832.7	5050
		3-17-70	14.2	4833.1	5050
ALTURAS BASIN 5-02.00					
39N/13E-08K04M	4453.4	10-21-69	23.3	4430.1	5050
		11-19-69	21.8	4431.6	5050
		12-23-69	21.0	4432.4	5050
		1-22-70	20.8	4432.6	5050
		2-19-70	20.6	4432.8	5050
		3-18-70	21.8	4431.6	5050
		4-21-70	19.2	4434.2	5050
		5-20-70	19.8	4433.6	5050
		6-17-70	18.8	4434.6	5050
		7-16-70	19.3	4434.1	5050
		8-19-70	18.6	4434.8	5050
		9-22-70	18.9	4434.5	5050
41N/10E-06D01M	4303.4	10-21-69	7.0	4296.4	5050
		11-18-69	7.2	4296.2	5050
		12-22-69	7.2	4296.2	5050
		1-21-70	6.8	4296.6	5050
		2-18-70	5.5	4297.9	5050
		3-17-70	5.1	4298.3	5050
		4-21-70	5.2	4298.2	5050
		5-20-70	5.8	4297.6	5050
		6-18-70	6.0	4297.4	5050
		7-15-70	6.4	4297.0	5050
		8-19-70	6.8	4296.6	5050
		9-22-70	6.8	4296.6	5050
41N/12E-11D01M	4382.6	10-21-69	21.2	4361.4	5050
		11-19-69	21.0	4361.6	5050
		12-23-69	22.0	4360.6	5050
		1-22-70	21.5	4361.1	5050
		2-19-70	20.5	4362.1	5050
		3-18-70	20.5	4362.1	5050
		4-21-70	20.0	4362.6	5050
		5-20-70	21.0	4361.6	5050
		6-17-70	20.2	4362.4	5050
		7-16-70	20.5	4362.1	5050
		8-19-70	20.5	4362.1	5050
		9-22-70	20.8	4361.8	5050
42N/11E-30C01M	4340.6	10-21-69	9.0	4331.6	5050
		11-18-69	9.5	4331.1	5050
		12-22-69	9.0	4331.6	5050
		1-21-70	10.0	4330.6	5050
		2-18-70	9.0	4331.6	5050
		3-17-70	5.8	4334.8	5050
		4-21-70	6.1	4334.5	5050
		5-20-70	6.7	4333.9	5050
		6-18-70	8.2	4332.4	5050
		7-15-70	7.7	4332.9	5050
		8-19-70	8.5	4332.1	5050
		9-22-70	9.5	4331.1	5050
42N/13E-06P01M	4398.0	10-21-69	7.2	4390.8	5050
		11-18-69	7.4	4390.6	5050
		12-22-69	7.2	4390.8	5050
		1-21-70	4.6	4393.4	5050
		2-18-70	4.4	4393.6	5050
		3-17-70	4.3	4393.7	5050
		4-21-70	5.5	4392.5	5050
		5-20-70	6.8	4391.2	5050
		6-17-70	6.1	4391.9	5050
		7-15-70	5.7	4392.3	5050
		8-19-70	6.7	4391.3	5050
		9-22-70	6.6	4391.4	5050
ALTURAS BASIN 5-02.00 (Continued)					
42N/13E-34M01M	4431.1	10-21-69	10.3	4420.8	5050
		11-19-69	9.5	4421.6	5050
		12-23-69	8.7	4422.4	5050
		1-22-70	8.4	4422.7	5050
		2-19-70	8.3	4422.8	5050
		3-18-70	7.9	4423.2	5050
		4-21-70	7.9	4423.2	5050
		5-20-70	8.3	4422.8	5050
		6-17-70	7.2	4423.9	5050
		7-16-70	7.5	4423.6	5050
		8-19-70	9.3	4421.8	5050
		9-22-70	10.1	4421.0	5050
BIG VALLEY 5-04.00					
38N/07E-32A02M	4115.5	10-21-69	6.1	4109.4	5050
		11-18-69	6.3	4109.2	5050
		12-22-69	(7)		5050
		1-21-70	3.7	4111.8	5050
		2-18-70	3.1	4112.4	5050
		3-17-70	2.2	4113.3	5050
38N/07E-32N01M	4149.5	10-21-69	40.5	4109.0	5050
		11-18-69	40.3	4109.2	5050
		12-22-69	40.0	4109.5	5050
		1-21-70	39.2	4110.3	5050
		2-18-70	39.0	4110.5	5050
		3-17-70	38.1	4111.4	5050
38N/08E-17K01M	4149.9	10-21-69	9.0	4140.9	5050
		11-18-69	5.9	4144.0	5050
		12-22-69	7.5	4142.4	5050
		1-21-70	6.0	4143.9	5050
		2-18-70	4.0	4145.9	5050
		3-17-70	3.3	4146.6	5050
39N/09E-28F01M	4203.2	10-21-69	6.8	4196.4	5050
		11-18-69	6.5	4196.7	5050
		12-22-69	(1)		5050
		1-21-70	5.9	4197.3	5050
		2-18-70	4.7	4198.5	5050
		3-17-70	4.6	4198.6	5050
ROUND VALLEY 5-36.00					
39N/09E-02P02M	4286.1	10-21-69	7.3	4278.8	5050
		11-18-69	7.4	4278.7	5050
		12-22-69	4.0	4282.1	5050
		1-21-70	3.1	4283.0	5050
		2-18-70	2.0	4284.1	5050
		3-17-70	3.3	4282.8	5050
39N/09E-10P01M	4229.9	10-21-69	9.6	4220.3	5050
		11-18-69	9.7	4220.2	5050
		12-22-69	8.7	4221.2	5050
		1-21-70	5.8	4224.1	5050
		2-18-70	4.2	4225.7	5050
		3-17-70	4.2	4225.7	5050
FALL RIVER VALLEY 5-05.00					
37N/05E-01J01M	3322.7	10-21-69	9.3	3313.4	5050
		11-18-69	9.3	3313.4	5050
		12-22-69	9.0	3313.7	5050
		1-21-70	7.1	3315.6	5050
		2-18-70	4.8	3317.9	5050
		3-17-70	4.5	3318.2	5050
37N/05E-30K02M	3328.6	10-21-69	47.8	3280.8	5050
		11-18-69	47.8	3280.8	5050
		12-22-69	48.1	3280.5	5050
		1-21-70	48.1	3280.5	5050
		2-18-70	48.0	3280.6	5050
		3-17-70	48.0	3280.6	5050
38N/04E-33F01M	3318.0	10-21-69	5.8	3312.2	5050
		11-18-69	5.6	3312.4	5050
		12-22-69	5.0	3313.0	5050
		1-21-70	4.2	3313.8	5050
		2-18-70	3.3	3314.7	5050
		3-17-70	1.8	3316.2	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
REDDING BASIN 5-06.00					
29N/03W-06P01M	409.7	10-17-69	32.2	377.5	5050
		11-21-69	33.7	376.0	5050
		12-18-69	33.7	376.0	5050
		1-20-70	28.7	381.0	5050
		2-17-70	29.9	379.8	5050
		3-17-70	31.5	378.2	5050
		4-20-70	31.7	378.0	5050
		5-19-70	32.6	377.1	5050
		6-16-70	32.9	376.8	5050
		7-20-70	33.7	376.0	5050
		8-18-70	33.5	376.2	5050
		9-17-70	33.5	376.2	5050
29N/04W-02P01M	445.0	10-17-69	57.8	387.2	5050
		11-17-69	58.2	386.8	5050
		12-18-69	58.1	386.9	5050
		1-20-70	57.9	387.1	5050
		2-17-70	56.3	388.7	5050
		3-17-70	57.0	388.0	5050
		4-20-70	58.8	386.2	5050
		5-19-70	57.8	387.2	5050
		6-16-70	58.0	387.0	5050
		7-20-70	58.2	386.8	5050
		8-18-70	58.5	386.5	5050
		9-17-70	58.6	386.4	5050
29N/04W-04R03M	505.0	10-17-69	58.4	446.6	5050
		11-17-69	58.5	446.5	5050
		12-18-69	58.8	446.2	5050
		1-20-70	58.2	446.8	5050
		2-17-70	57.7	447.3	5050
		3-17-70	57.3	447.7	5050
		4-20-70	57.1	447.9	5050
		5-19-70	57.2	447.8	5050
		6-16-70	57.3	447.7	5050
		7-20-70	58.2	446.8	5050
		8-18-70	58.9	446.1	5050
		9-17-70	59.5	445.5	5050
29N/05W-07B01M	549.0	10-17-69	47.5	501.5	5050
		11-21-69	47.2	501.8	5050
		12-18-69	47.0	502.0	5050
		1-20-70	45.6	503.4	5050
		2-17-70	43.0	506.0	5050
		3-17-70	42.9	506.1	5050
		4-20-70	43.0	506.0	5050
		5-19-70	43.8	505.2	5050
		6-16-70	44.5	504.5	5050
		7-20-70	45.5	503.5	5050
		8-18-70	46.5	502.5	5050
		9-17-70	47.0	502.0	5050
29N/05W-11A02M	512.0	10-17-69	80.8	431.2	5050
		11-21-69	(1)		5050
		12-18-69	61.7	450.3	5050
		1-20-70	58.0	454.0	5050
		2-17-70	56.4	455.6	5050
		3-17-70	57.9	454.1	5050
		4-20-70	(1)		5050
		5-19-70	(1)		5050
		6-16-70	(1)		5050
		7-20-70	(1)		5050
		8-21-70	(1)		5050
		9-17-70	(1)		5050
30N/04W-03Q01M	473.3	10-17-69	78.3	395.0	5050
		11-17-69	78.5	394.8	5050
		12-18-69	78.5	394.8	5050
		1-23-70	74.4	398.9	5050
		2-17-70	75.6	397.7	5050
		3-17-70	76.0	397.3	5050
		4-20-70	77.1	396.2	5050
		5-19-70	80.3	393.0	5050
		6-16-70	77.4	395.9	5050
		7-20-70	76.8	396.5	5050
		8-18-70	83.0	390.3	5050
		9-17-70	83.3	390.0	5050
30N/04W-06B03M	450.0	10-17-69	61.8	388.2	5050
		11-17-69	61.3	388.7	5050
		12-18-69	59.7	390.3	5050
		1-23-70	56.0	394.0	5050
		2-17-70	55.8	394.2	5050
		3-17-70	56.8	393.2	5050
		4-20-70	57.0	393.0	5050
		5-22-70	59.7	390.3	5050
REDDING BASIN 5-06.00 (Continued)					
30N/04W-06B03M (Continued)	450.0	6-16-70	60.8	389.2	5050
		7-20-70	61.6	388.4	5050
		8-21-70	64.4	385.6	5050
		9-17-70	64.0	386.0	5050
31N/03W-29N01M	416.4	10-17-69	23.9	392.5	5050
		11-17-69	24.2	392.2	5050
		12-18-69	23.5	392.9	5050
		1-27-70	18.7	397.7	5050
		2-17-70	19.6	396.8	5050
		3-17-70	20.4	396.0	5050
		4-20-70	22.4	394.0	5050
		5-19-70	24.2	392.2	5050
		6-16-70	24.4	392.0	5050
		7-20-70	25.0	391.4	5050
		8-18-70	27.5	388.9	5050
		9-18-70	26.2	390.2	5050
31N/04W-16H01M	512.0	10-17-69	109.7	402.3	5050
		11-17-69	107.2	404.8	5050
		12-18-69	106.0	406.0	5050
		1-23-70	104.2	407.8	5050
		2-17-70	103.8	408.2	5050
		3-17-70	102.4	409.6	5050
		4-20-70	102.8	409.2	5050
		5-19-70	106.8	405.2	5050
		6-16-70	110.4	401.6	5050
		7-20-70	116.1	395.9	5050
		8-18-70	118.3	393.7	5050
		9-18-70	116.3	395.7	5050
31N/04W-27P01M	492.0	10-17-69	91.5	400.5	5050
		11-17-69	91.8	400.2	5050
		12-18-69	92.0	400.0	5050
		1-23-70	88.3	403.7	5050
		2-17-70	86.7	405.3	5050
		3-17-70	87.2	404.8	5050
MOHAWK VALLEY 5-11.00					
22N/12E-09P01M	4352.2	5-06-70	6.7	4345.5	5050
SIERRA VALLEY 5-12.00					
20N/14E-13Q02M	4985.6	10-23-69	2.9	4982.7	5050
		5-06-70	1.6	4984.0	5050
21N/14E-33C01M	4919.0	10-23-69	DRY		5050
		5-06-70	1.0	4918.0	5050
21N/14E-36Q01M	4928.5	10-23-69	DRY		5050
		5-06-70	4.5	4924.0	5050
21N/15E-04P01M	4890.7	10-23-69	5.4	4885.3	5050
		5-06-70	-2.1	4892.8	5050
21N/15E-07R01M	4892.7	10-23-69	-6.5	4899.2	5050
		5-06-70	-7.4	4900.1	5050
21N/15E-12C01M	4918.8	10-23-69	7.9	4910.9	5050
		5-06-70	4.0	4914.8	5050
21N/15E-12P01M	4927.5	10-23-69	-3.9	4931.4	5050
		5-06-70	-8.6	4936.1	5050
21N/16E-18H01M	4995.1	10-23-69	22.8	4972.3	5050
		5-06-70	16.9	4978.2	5050
21N/16E-18H02M	4994.5	10-23-69	19.9	4974.6	5050
		5-06-70	16.0	4978.5	5050
22N/14E-02H01M	4881.2	10-23-69	7.9	4873.3	5050
		5-06-70	4.7	4876.5	5050
22N/14E-13K01M	4882.0	10-23-69	2.8	4879.2	5050
		5-06-70	2.4	4879.6	5050
22N/14E-26L01M	4894.5	10-23-69	-3.8	4898.3	5050
		5-06-70	-4.2	4898.7	5050
22N/15E-14K01M	4891.0	10-23-69	15.5	4875.5	5050
		5-06-70	4.0	4887.0	5050
22N/15E-22Q01M	4880.9	10-23-69	5.2	4875.7	5050
		5-06-70	2.7	4878.2	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SIERRA VALLEY 5-12.00 (Continued)					
22N/15E-28L01M	4881.5	10-23-69	4.9	4876.6	5050
		5-06-70	-0.8	4882.3	5050
22N/15E-35H01M	4889.7	10-23-69	15.2	4874.5	5050
		5-06-70	11.9	4877.8	5050
22N/15E-36P01M	4904.0	10-23-69	20.2	4883.8	5050
		5-06-70	(2) 23.8	4880.2	5050
22N/16E-04A01M	4932.0	10-23-69	-2.5	4934.5	5050
		5-06-70	-3.9	4935.9	5050
22N/16E-17E02M	4901.3	10-23-69	-0.9	4902.2	5050
		5-06-70	-2.5	4903.8	5050
23N/14E-25G01M	4891.7	10-23-69	10.0	4881.7	5050
		5-06-70	6.8	4884.9	5050
23N/14E-25K01M	4891.1	10-23-69	9.1	4882.0	5050
		5-06-70	4.5	4886.6	5050
23N/15E-29H01M	4896.4	10-23-69	-9.8	4906.2	5050
		5-06-70	-10.6	4907.0	5050
23N/15E-34D01M	4888.3	10-23-69	-12.8	4901.1	5050
		5-06-70	-13.6	4901.9	5050
23N/15E-36J01M	4905.7	10-23-69	6.1	4899.6	5050
		5-06-70	3.1	4902.6	5050
23N/16E-34H01M	4964.9	10-23-69	3.9	4961.0	5050
		5-06-70	3.0	4961.9	5050
UPPER LAKE VALLEY 5-13.00					
15N/09W-05L01M	1385.6	11-12-69	11.4	1374.2	5111
15N/09W-05P01M	1389.1	11-12-69	10.3	1378.8	5111
15N/09W-06E02M	1365.6	11-12-69	15.1	1350.5	5111
15N/09W-06K01M	1364.1	11-12-69	12.9	1351.2	5111
15N/09W-06R01M	1361.5	11-12-69	13.5	1348.0	5111
15N/09W-07G01M	1346.4	10-29-69	13.0	1333.4	5050
		11-12-69	12.0	1334.4	5111
		4-02-70	5.0	1341.4	5050
15N/09W-08N01M	1337.0	10-29-69	13.3	1323.7	5050
		4-02-70	3.2	1333.8	5050
15N/09W-09L01M	1430.4	11-12-69	28.6	1401.8	5111
15N/09W-18H03M	1331.0	11-12-69	8.0	1323.0	5111
15N/09W-20L01M	1324.0	10-29-69	7.8	1316.2	5050
		4-02-70	4.8	1319.2	5050
15N/09W-28F02M	1327.8	11-12-69	5.6	1322.2	5111
15N/10W-01R01M	1356.1	11-12-69	10.0	1346.1	5111
15N/10W-02N01M	1339.0	11-10-69	11.0	1328.0	5111
		4-02-70	0.8	1338.2	5050
15N/10W-03D01M	1362.0	11-10-69	9.9	1352.1	5111
15N/10W-03N01M	1335.0	11-10-69	12.5	1322.5	5111
15N/10W-04B01M	1373.5	11-10-69	14.1	1359.4	5111
15N/10W-04B02M	1370.0	11-10-69	15.7	1354.3	5111
15N/10W-13H01M	1331.0	10-29-69	7.2	1323.8	5050
		4-01-70	FLOW		5050
15N/10W-13H02M	1330.0	10-29-69	4.0	1326.0	5050
		4-01-70	FLOW		5050
16N/09W-31C03M	1408.2	11-12-69	27.9	1380.3	5111
		4-02-70	22.0	1386.2	5050
16N/09W-31Q01M	1387.5	11-12-69	15.2	1372.3	5111
16N/10W-33E01M	1425.3	11-10-69	19.9	1405.4	5111
UPPER LAKE VALLEY 5-13.00 (Continued)					
16N/10W-34N01M	1394.1	11-12-69	21.7	1372.4	5111
16N/10W-36J01M	1418.2	11-12-69	21.9	1396.3	5111
SCOTT VALLEY 5-14.00					
14N/10W-03E01M	1400.0	11-10-69	(6)		5111
14N/10W-03M01M	1404.6	11-10-69	11.8	1392.8	5111
14N/10W-03M02M	1405.0	11-10-69	9.6	1395.4	5111
14N/10W-10Q01M	1430.7	11-10-69	16.8	1413.9	5111
14N/10W-11G01M	1420.3	11-10-69	10.8	1409.5	5111
14N/10W-14E02M	1441.6	11-10-69	24.8	1416.8	5111
14N/10W-14F01M	1440.0	11-10-69	22.3	1417.7	5111
14N/10W-15H01M	1445.0	10-28-69	28.5	1416.5	5050
		4-01-70	8.8	1436.2	5050
14N/10W-22A01M	1463.8	11-10-69	24.9	1438.9	5111
KELSEYVILLE VALLEY 5-15.00					
13N/09W-02C02M	1345.0	11-17-69	20.8	1324.2	5111
13N/09W-02H01M	1334.6	11-17-69	10.9	1323.7	5111
13N/09W-02K03M	1343.0	11-17-69	16.4	1326.6	5111
13N/09W-03D04M	1347.0	11-17-69	17.2	1329.8	5111
13N/09W-03F05M	1349.0	10-28-69	28.2	1320.8	5050
		4-01-70	10.5	1338.5	5050
13N/09W-03R01M	1357.2	11-17-69	23.5	1333.7	5111
13N/09W-03R02M	1357.4	11-17-69	22.9	1334.5	5111
13N/09W-04G01M	1345.3	11-14-69	19.6	1325.7	5111
13N/09W-04Q03M	1357.0	11-13-69	26.0	1331.0	5111
13N/09W-05J03M	1350.0	10-28-69	29.2	1320.8	5050
		4-01-70	3.5	1346.5	5050
13N/09W-05J05M	1352.0	11-14-69	26.1	1325.9	5111
13N/09W-06H02M	1349.0	11-13-69	22.7	1326.3	5111
13N/09W-06H03M	1349.3	11-12-69	23.8	1325.5	5111
13N/09W-06N01M	1374.3	11-13-69	10.6	1363.7	5111
13N/09W-07A03M	1360.0	11-13-69	16.6	1343.4	5111
13N/09W-07E01M	1392.3	11-13-69	12.0	1380.3	5111
13N/09W-08K02M	1372.6	11-14-69	21.8	1350.8	5111
13N/09W-09C04M	1358.0	11-13-69	33.4	1324.6	5111
13N/09W-09D01M	1359.4	11-13-69	25.9	1333.5	5111
13N/09W-09D05M	1358.0	11-13-69	25.8	1332.2	5111
13N/09W-09L01M	1360.0	11-13-69	19.5	1340.5	5111
13N/09W-09Q02M	1368.0	10-28-69	20.8	1347.2	5050
		4-01-70	6.0	1362.0	5050
13N/09W-10E01M	1355.0	11-13-69	19.7	1335.3	5111
13N/09W-10J01M	1367.0	10-28-69	19.0	1348.0	5050
		4-01-70	16.8	1350.2	5050
13N/09W-11F01M	1360.0	11-17-69	10.4	1349.6	5111
13N/09W-12M02M	1357.1	11-17-69	21.7	1335.4	5111
13N/09W-14C01M	1381.0	10-28-69	15.0	1366.0	5050
		4-01-70	9.0	1372.0	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
KELSEYVILLE VALLEY 5-15.00 (Continued)					
13N/09W-14G01M	1397.8	10-28-69	20.1	1377.7	5050
		4-01-70	14.1	1383.7	5050
13N/09W-14P02M	1398.8	10-28-69	32.0	1366.8	5050
		4-01-70	9.7	1389.1	5050
13N/09W-15B02M	1376.0	11-14-69	16.3	1359.7	5111
13N/09W-15D01M	1445.0	11-13-69	77.1	1367.9	5111
13N/09W-15J01M	1420.0	11-13-69	18.8	1401.2	5111
13N/09W-15M01M	1409.0	11-13-69	15.4	1393.6	5111
13N/09W-16E02M	1379.0	11-13-69	26.5	1352.5	5111
13N/09W-16L01M	1380.0	11-13-69	13.0	1367.0	5111
13N/09W-17C02M	1380.5	11-13-69	16.3	1364.2	5111
13N/09W-17K02M	1383.0	11-14-69	19.8	1363.2	5111
13N/09W-18J01M	1400.0	11-13-69	16.2	1383.8	5111
13N/09W-18R01M	1389.0	10-28-69	9.9	1379.1	5050
		4-01-70	1.0	1388.0	5050
13N/09W-19H01M	1400.0	11-13-69	16.6	1383.4	5111
13N/09W-19J01M	1410.0	11-13-69	12.7	1397.3	5111
13N/09W-20F01M	1405.3	11-13-69	14.0	1391.3	5111
13N/09W-20P01M	1413.0	11-13-69	11.8	1401.2	5111
		4-01-70	5.5	1407.5	5050
13N/09W-21F01M	1498.7	10-28-69	106.4	1392.3	5050
		4-01-70	101.9	1396.8	5050
13N/09W-21F02M	1500.0	11-25-69	117.7	1382.3	5050
13N/09W-21J01M	1496.0	11-13-69	80.8	1415.2	5111
13N/09W-22C02M	1430.0	10-28-69	26.7	1403.3	5050
		4-01-70	21.2	1408.8	5050
13N/09W-22F01M	1444.0	11-14-69	41.3	1402.7	5111
13N/09W-22J01M	1419.8	11-14-69	50.4	1369.4	5111
13N/09W-22M01M	1485.0	11-14-69	98.5	1386.5	5111
13N/09W-22R01M	1440.0	11-14-69	17.8	1422.2	5111
13N/09W-23F01M	1426.9	11-14-69	51.7	1375.2	5111
13N/09W-27D01M	1504.0	11-14-69	16.7	1487.3	5111
13N/09W-27Q01M	1435.0	11-14-69	25.5	1409.5	5111
13N/09W-28J02M	1600.0	11-14-69	85.4	1514.6	5111
13N/09W-28K01M	1580.0	11-14-69	55.4	1524.6	5111
13N/09W-28N03M	1590.0	11-14-69	76.7	1513.3	5111
13N/09W-29L01M	1446.0	11-14-69	18.4	1427.6	5111
13N/09W-29R01M	1550.0	11-14-69	99.5	1450.5	5111
13N/09W-30A01M	1419.8	11-13-69	13.9	1405.9	5111
14N/09W-31E01M	1329.7	11-12-69	6.7	1323.0	5111
14N/09W-31N01M	1334.7	11-12-69	10.8	1323.9	5111
14N/09W-32G02M	1334.5	11-17-69	15.0	1319.5	5111
14N/09W-32M01M	1335.2	11-17-69	13.2	1322.0	5111
14N/09W-33L03M	1330.0	11-17-69	11.3	1318.7	5111
14N/09W-33M02M	1337.7	11-17-69	15.1	1322.6	5111
14N/09W-34L03M	1336.6	11-17-69	13.0	1323.6	5111
14N/09W-35N01M	1342.6	11-17-69	18.0	1324.6	5111
KELSEYVILLE VALLEY 5-15.00 (Continued)					
14N/10W-25Q01M	1342.2	11-12-69	5.3	1336.9	5111
LONG VALLEY 5-31.00					
14N/07W-06F01M	1320.0	10-28-69	22.4	1297.6	5050
		4-02-70	10.4	1309.6	5050
14N/07W-06F05M	1320.0	10-28-69	25.8	1294.2	5050
		4-02-70	14.4	1305.6	5050
HIGH VALLEY 5-16.00					
14N/07W-19M01M	1730.0	11-19-69	11.5	1718.5	5111
		4-02-70	5.5	1724.5	5050
14N/07W-19M02M	1730.0	10-29-69	53.8	1676.2	5050
		4-02-70	30.8	1699.2	5050
14N/08W-23K01M	1780.0	11-19-69	9.8	1770.2	5111
14N/08W-24B02M	1775.0	11-19-69	94.3	1680.7	5111
14N/08W-24H01M	1740.0	11-19-69	61.0	1679.0	5111
14N/08W-24L01M	1750.0	11-19-69	71.3	1678.7	5111
BURNS VALLEY 5-17.00					
13N/07W-15Q01M	1385.0	10-28-69	6.0	1379.0	5050
		4-02-70	1.0	1384.0	5050
13N/07W-21H01M	1360.0	11-19-69	20.1	1339.9	5111
13N/07W-28R01M	1330.0	11-19-69	8.1	1321.9	5111
LOWER LAKE AREA 5-30.00					
12N/07W-01M03M	1330.0	11-19-69	18.6	1311.4	5111
12N/07W-03J01M	1375.0	11-19-69	13.4	1361.6	5111
12N/07W-13N01M	1360.0	10-28-69	18.8	1341.2	5050
		4-02-70	13.2	1346.8	5050
COYOTE VALLEY 5-18.00					
11N/06W-19G01M	967.8	3-27-70	12.2	955.6	5050
11N/06W-19P02M	963.1	11-18-69	18.9	944.2	5111
11N/06W-20E01M	973.3	11-19-69	9.4	963.9	5111
11N/06W-27M01M	944.6	11-18-69	17.6	927.0	5111
11N/06W-29M01M	955.1	11-18-69	25.3	929.8	5111
11N/06W-30A02M	955.7	11-18-69	16.1	939.6	5111
11N/07W-13M01M	993.4	11-19-69	17.1	976.3	5111
11N/07W-25P01M	986.7	11-18-69	6.7	980.0	5111
COLLAYOMI VALLEY 5-19.00					
10N/06W-06L01M	1106.4	11-18-69	10.7	1095.7	5111
10N/06W-06R01M	1110.2	11-18-69	6.3	1103.9	5111
10N/06W-08K01M	1152.6	11-18-69	21.0	1131.6	5111
10N/07W-01A01M	1087.3	11-18-69	14.1	1073.2	5111
10N/07W-03A02M	1107.7	3-27-70	13.5	1094.2	5050
10N/07W-03B02M	1109.0	11-18-69	10.8	1098.2	5111
10N/07W-03L04M	1125.8	11-18-69	9.5	1116.3	5111
10N/07W-03M01M	1146.2	11-18-69	22.1	1124.1	5111
10N/07W-04H01M	1131.3	11-18-69	12.0	1119.3	5111

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
COLLAYOMI VALLEY 5-19.00 (Continued)					
10N/07W-14P02M	1234.2	11-18-69	(2)		5111
11N/07W-33J02M	1103.9	11-18-69	6.0	1097.9	5111
11N/07W-33M01M	1150.6	11-19-69	19.9	1130.7	5111
11N/07W-34K01M	1088.2	11-18-69	9.9	1078.3	5111
11N/07W-35E01M	1077.0	11-18-69	10.7	1066.3	5111
SACRAMENTO VALLEY 5-21.00					
TEHAMA COUNTY 5-21.01					
23N/02W-07R01M	255.0	10-22-69	99.2	155.8	5050
		3-23-70	83.5	171.5	5050
23N/02W-16B01M	182.5	10-22-69	36.4	146.1	5050
		3-23-70	23.9	158.6	5050
23N/02W-22N02M	181.0	10-22-69	35.2	145.8	5050
		3-23-70	25.6	155.4	5050
23N/02W-34A01M	170.0	10-22-69	23.9	146.1	5050
		3-23-70	16.5	153.5	5050
23N/03W-05G01M	277.0	10-22-69	52.4	224.6	5050
		11-20-69	50.7	226.3	5050
		12-24-69	47.7	229.3	5050
		1-26-70	36.2	240.8	5050
		2-20-70	42.2	234.8	5050
		3-19-70	40.3	236.7	5050
		4-17-70	42.2	234.8	5050
		5-22-70	44.4	232.6	5050
		6-19-70	45.7	231.3	5050
		7-21-70	48.2	228.8	5050
		8-21-70	51.4	225.6	5050
		9-18-70	59.2	217.8	5050
23M/03W-12G01M	266.0	10-21-69	103.9	162.1	5050
		3-23-70	89.3	176.7	5050
23N/03W-12P02M	216.0	10-21-69	31.8	184.2	5050
		3-23-70	15.4	200.6	5050
23N/03W-13C02M	211.0	10-21-69	25.8	185.2	5050
		11-20-69	25.3	185.7	5050
		12-24-69	22.6	188.4	5050
		1-26-70	18.1	192.9	5050
		2-20-70	15.3	195.7	5050
		3-19-70	13.7	197.3	5050
		4-17-70	15.1	195.9	5050
		5-22-70	16.5	194.5	5050
		6-19-70	18.3	192.7	5050
		7-21-70	20.4	190.6	5050
		8-21-70	23.1	187.9	5050
		9-18-70	(0)		5050
23N/03W-22Q01M	232.0	10-22-69	56.2	175.8	5050
		3-23-70	39.3	192.7	5050
23N/03W-24A02M	205.0	10-21-69	40.1	164.9	5050
		3-23-70	24.0	181.0	5050
24N/01W-06A01M	281.0	10-21-69	17.3	263.7	5050
		3-23-70	16.5	264.5	5050
24N/01W-18N01M	254.0	10-21-69	73.2	180.8	5050
		3-23-70	58.0	196.0	5050
24N/02W-02N01M	205.0	10-21-69	7.7	197.3	5050
		11-21-69	7.0	198.0	5050
		12-24-69	8.2	196.8	5050
		1-26-70	5.0	200.0	5050
		2-20-70	5.0	200.0	5050
		3-19-70	6.1	198.9	5050
		4-17-70	5.9	199.1	5050
		5-22-70	6.1	198.9	5050
		6-19-70	(4)		5050
		7-21-70	6.7	198.3	5050
		8-21-70	5.5	199.5	5050
		9-18-70	7.0	198.0	5050
24N/02W-23G01M	197.0	10-21-69	19.0	178.0	5050
		3-23-70	16.9	180.1	5050
TEHAMA COUNTY 5-21.01 (Continued)					
24N/02W-28G01M	188.4	10-21-69	30.2	158.2	5050
		3-23-70	27.2	161.2	5050
24N/02W-29E01M	216.5	10-21-69	42.3	174.2	5050
		3-23-70	29.0	187.5	5050
24N/02W-36B01M	180.0	10-21-69	15.4	164.6	5050
		3-23-70	11.5	168.5	5050
24N/03W-03J01M	276.0	10-27-69	28.5	247.5	5050
		11-20-69	28.4	247.6	5050
		12-24-69	27.2	248.8	5050
		1-26-70	22.9	253.1	5050
		2-20-70	22.8	253.2	5050
		3-19-70	22.1	253.9	5050
		4-17-70	23.8	252.2	5050
		5-22-70	24.9	251.1	5050
		6-19-70	26.5	249.5	5050
		7-21-70	27.8	248.2	5050
		8-21-70	29.0	247.0	5050
		9-18-70	29.7	246.3	5050
24N/03W-14K01M	297.0	10-22-69	74.6	222.4	5050
		3-23-70	54.0	243.0	5050
24N/03W-16A01M	288.5	10-22-69	53.6	234.9	5050
		3-23-70	36.5	252.0	5050
24N/03W-26K01M	280.0	10-29-69	57.7	222.3	5050
		3-23-70	42.4	237.6	5050
24N/03W-35P04M	250.0	10-22-69	32.1	217.9	5050
		3-23-70	21.8	228.2	5050
24N/04W-02N01M	379.2	10-22-69	18.0	361.2	5050
		3-24-70	11.3	367.9	5050
24N/04W-07R01M	460.0	10-07-69	57.1	402.9	5001
		3-18-70	50.6	409.4	5001
24N/04W-08J02M	435.0	10-07-69	66.4	368.6	5001
		3-18-70	56.0	379.0	5001
24N/04W-09A02M	405.0	10-07-69	100.6	304.4	5001
		3-18-70	79.5	325.5	5001
24N/04W-09J02M	422.0	10-07-69	(1)		5001
		3-18-70	68.5	353.5	5001
24N/04W-10B01M	395.0	10-07-69	98.3	296.7	5001
		3-18-70	79.4	315.6	5001
24N/04W-14N02M	372.5	10-22-69	75.5	297.0	5050
		3-24-70	65.5	307.0	5050
24N/04W-21G01M	396.0	10-22-69	72.5	323.5	5050
		3-24-70	70.1	325.9	5050
24N/05W-12N01M	499.0	10-22-69	23.9	475.1	5050
		3-24-70	26.7	472.3	5050
25N/01W-31M01M	280.0	10-26-69	58.7	221.3	5050
		3-23-70	57.3	222.7	5050
25N/02W-06N01M	221.0	10-29-69	20.0	201.0	5050
		3-20-70	11.3	209.7	5050
25N/02W-16H01M	218.0	10-21-69	17.2	200.8	5050
		3-20-70	14.9	203.1	5050
25N/02W-18F01M	215.0	10-28-69	17.0	198.0	5050
		3-20-70	10.2	204.8	5050
25N/02W-30G01M	226.0	10-29-69	38.9	187.1	5050
		3-20-70	34.0	192.0	5050
25N/02W-34K01M	204.0	10-21-69	14.1	189.9	5050
		3-23-70	12.7	191.3	5050
25N/03W-03L01M	275.0	10-28-69	35.5	239.5	5050
		3-24-70	(0)		5050
25N/03W-06B01M	319.5	10-28-69	(1)		5050
		3-24-70	34.3	285.2	5050
25N/03W-09K01M	285.6	10-28-69	30.9	254.7	5050
		3-20-70	26.1	259.5	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
TEHAMA COUNTY 5-21.01 (Continued)					
25N/03W-10L01M	274.0	10-27-69	45.3	228.7	5050
		11-20-69	42.2	231.8	5050
		12-24-69	39.8	234.2	5050
		1-26-70	34.3	239.7	5050
		2-20-70	33.1	240.9	5050
		3-19-70	33.4	240.6	5050
		4-17-70	53.0	221.0	5050
		5-22-70	65.4	208.6	5050
		6-25-70	78.6	195.4	5050
		7-21-70	80.0	194.0	5050
		8-21-70	79.9	194.1	5050
		9-18-70	71.8	202.2	5050
25N/03W-10L02M	274.0	10-27-69	12.7	261.3	5050
		11-20-69	14.0	260.0	5050
		12-24-69	11.3	262.7	5050
		1-26-70	4.4	269.6	5050
		2-20-70	4.3	269.7	5050
		3-19-70	4.1	269.9	5050
		4-17-70	5.9	268.1	5050
		5-22-70	7.0	267.0	5050
		6-19-70	8.2	265.8	5050
		7-21-70	9.4	264.6	5050
		8-21-70	10.2	263.8	5050
		9-18-70	10.9	263.1	5050
25N/03W-10L03M	274.0	10-27-69	46.3	227.7	5050
		11-20-69	42.7	231.3	5050
		12-24-69	39.2	234.8	5050
		1-26-70	35.1	238.9	5050
		2-20-70	33.5	240.5	5050
		3-19-70	33.7	240.3	5050
		4-17-70	48.2	225.8	5050
		5-22-70	65.7	208.3	5050
		6-19-70	69.3	204.7	5050
		7-21-70	79.0	195.0	5050
		8-21-70	79.6	194.4	5050
		9-18-70	72.4	201.6	5050
25N/03W-10L04M	274.0	10-27-69	18.8	255.2	5050
		11-20-69	18.7	255.3	5050
		12-24-69	18.3	255.7	5050
		1-26-70	17.3	256.7	5050
		2-20-70	16.5	257.5	5050
		3-19-70	15.4	258.6	5050
		4-17-70	15.1	258.9	5050
		5-22-70	15.9	258.1	5050
		6-19-70	16.7	257.3	5050
		7-21-70	17.6	256.4	5050
		8-21-70	17.5	256.5	5050
		9-18-70	18.9	255.1	5050
25N/03W-10L05M	274.0	10-27-69	17.7	256.3	5050
		11-20-69	17.8	256.2	5050
		12-24-69	16.1	257.9	5050
		1-26-70	10.7	263.3	5050
		2-20-70	9.7	264.3	5050
		3-19-70	9.1	264.9	5050
		4-17-70	15.0	259.0	5050
		5-22-70	17.7	256.3	5050
		6-19-70	18.8	255.2	5050
		7-21-70	20.4	253.6	5050
		8-21-70	20.6	253.4	5050
		9-17-70	20.9	253.1	5050
25N/03W-10M01M	278.0	10-28-69	49.6	228.4	5050
		3-23-70	38.0	240.0	5050
25N/03W-11F01M	256.0	10-28-69	34.6	221.4	5050
		3-23-70	23.9	232.1	5050
25N/03W-13A01M	213.0	10-28-69	(1)		5050
		3-20-70	5.7	207.3	5050
25N/03W-13F01M	246.0	10-27-69	42.2	203.8	5050
		3-20-70	(1)		5050
25N/03W-13J01M	230.7	10-27-69	32.0	198.7	5050
		3-20-70	27.0	203.7	5050
25N/03W-14A01M	252.2	10-27-69	31.5	220.7	5050
		3-20-70	18.4	233.8	5050
25N/03W-15A01M	266.5	10-28-69	39.5	227.0	5050
		3-20-70	28.0	238.5	5050
TEHAMA COUNTY 5-21.01 (Continued)					
25N/03W-15P01M	271.7	10-27-69	42.6	229.1	5050
		3-20-70	(1)		5050
25N/03W-19N01M	325.0	10-22-69	67.0	258.0	5050
		3-24-70	(1)		5050
25N/03W-20E01M	305.0	10-22-69	45.8	259.2	5050
		3-24-70	(1)		5050
25N/03W-22C01M	268.3	10-27-69	41.9	226.4	5050
		3-24-70	26.3	242.0	5050
25N/03W-22L01M	275.0	10-22-69	47.9	227.1	5050
		3-24-70	33.4	241.6	5050
25N/03W-31R01M	318.0	10-22-69	12.3	305.7	5050
		3-24-70	11.0	307.0	5050
26N/02W-04B01M	270.0	10-21-69	38.8	231.2	5050
		3-24-70	(2)		5050
26N/02W-05D01M	252.0	10-21-69	21.9	230.1	5050
		11-21-69	23.0	229.0	5050
		12-24-69	19.5	232.5	5050
		1-26-70	13.4	238.6	5050
		2-20-70	16.1	235.9	5050
		3-19-70	17.7	234.3	5050
		4-17-70	19.3	232.7	5050
		5-22-70	21.2	230.8	5050
		6-19-70	22.3	229.7	5050
		7-21-70	22.4	229.6	5050
		8-21-70	22.8	229.2	5050
		9-18-70	23.0	229.0	5050
26N/02W-09D01M	246.0	10-21-69	20.8	225.2	5050
		3-20-70	17.0	229.0	5050
26N/02W-14G01M	311.7	10-21-69	82.4	229.3	5050
		3-20-70	74.9	236.8	5050
26N/02W-21Q01M	235.0	10-21-69	21.0	214.0	5050
		3-20-70	15.8	219.2	5050
26N/02W-29N01M	220.0	10-28-69	15.4	204.6	5050
		3-20-70	11.6	208.4	5050
26N/02W-29R01M	228.0	10-21-69	8.2	219.8	5050
		11-21-69	7.4	220.6	5050
		12-24-69	4.5	223.5	5050
		1-26-70	-1.0	229.0	5050
		2-20-70	-1.1	229.1	5050
		3-19-70	0.5	227.5	5050
		4-17-70	1.9	226.1	5050
		5-22-70	4.3	223.7	5050
		6-19-70	5.7	222.3	5050
		7-21-70	7.0	221.0	5050
		8-21-70	8.1	219.9	5050
		9-19-70	8.7	219.3	5050
26N/02W-29R02M	228.0	10-21-69	4.4	223.6	5050
		11-21-69	2.6	225.4	5050
		12-24-69	3.1	224.9	5050
		1-26-70	2.2	225.8	5050
		2-20-70	-2.4	230.4	5050
		3-19-70	-0.9	228.9	5050
		4-17-70	0.4	227.6	5050
		5-22-70	2.6	225.4	5050
		6-19-70	3.7	224.3	5050
		7-21-70	4.6	223.4	5050
		8-21-70	6.0	222.0	5050
		9-18-70	5.6	222.4	5050
26N/03W-04K01M	295.0	10-28-69	67.9	227.1	5050
		3-20-70	61.7	233.3	5050
26N/03W-06Q01M	314.8	10-28-69	65.5	249.3	5050
		3-24-70	6.9	307.9	5050
26N/03W-08N01M	307.6	10-28-69	45.7	261.9	5050
		3-24-70	43.9	263.7	5050
26N/03W-11F01M	262.0	10-28-69	37.6	224.4	5050
		3-20-70	30.8	231.2	5050
26N/03W-14A01M	252.1	10-28-69	30.6	221.5	5050
		3-20-70	(1)		5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
TEHAMA COUNTY 5-21.01 (Continued)					
26N/03W-21P01M	284.5	10-27-69	55.4	229.1	5050
		11-20-69	52.2	232.3	5050
		12-24-69	49.2	235.3	5050
		1-26-70	45.1	239.4	5050
		2-20-70	43.9	240.6	5050
		3-19-70	44.0	240.5	5050
		4-17-70	56.6	227.9	5050
		5-22-70	68.2	216.3	5050
		6-19-70	71.9	212.6	5050
		7-21-70	77.7	206.8	5050
		8-21-70	79.5	205.0	5050
		9-18-70	74.1	210.4	5050
26N/03W-24F01M	230.0	10-28-69	12.4	217.6	5050
		3-20-70	10.4	219.6	5050
26N/03W-31N01M	331.2	10-29-69	53.5	277.7	5050
		3-24-70	45.2	286.0	5050
26N/03W-34L02M	270.7	10-27-69	46.2	224.5	5050
		3-24-70	35.6	235.1	5050
26N/03W-34P01M	272.9	10-27-69	50.2	222.7	5050
		3-24-70	36.9	236.0	5050
27N/02W-29E01M	294.3	10-21-69	52.2	242.1	5050
		11-21-69	52.2	242.1	5050
		12-24-69	51.3	243.0	5050
		1-26-70	49.4	244.9	5050
		2-20-70	48.8	245.5	5050
		3-19-70	(9)		5050
		4-17-70	(9)		5050
		5-22-70	49.6	244.7	5050
		6-19-70	50.5	243.8	5050
		7-21-70	51.5	242.8	5050
		8-21-70	(9)		5050
		9-18-70	(9)		5050
27N/02W-30C01M	280.0	10-21-69	29.7	250.3	5050
		11-21-69	29.7	250.3	5050
		12-24-69	29.0	251.0	5050
		1-26-70	25.4	254.6	5050
		2-20-70	25.5	254.5	5050
		3-19-70	26.8	253.2	5050
		4-17-70	27.0	253.0	5050
		5-22-70	28.7	251.3	5050
		6-19-70	29.8	250.2	5050
		7-21-70	32.2	247.8	5050
		8-21-70	33.1	246.9	5050
		9-18-70	30.9	249.1	5050
27N/02W-31C01M	261.0	10-21-69	26.5	234.5	5050
		3-20-70	22.5	238.5	5050
27N/03W-10B01M	310.0	6-26-70	51.3	258.7	5050
		7-21-70	54.7	255.3	5050
		8-21-70	52.7	257.3	5050
		9-18-70	52.7	257.3	5050
27N/03W-10N01M	280.0	10-21-69	32.1	247.9	5050
		3-20-70	25.9	254.1	5050
27N/03W-19A01M	330.0	10-22-69	35.1	294.9	5050
		3-20-70	27.7	302.3	5050
27N/03W-19J01M	310.0	10-22-69	(1)		5050
		3-20-70	(1)		5050
27N/03W-23D01M	269.0	10-21-69	24.7	244.3	5050
		3-20-70	20.7	248.3	5050
27N/03W-36J01M	251.0	10-21-69	17.3	233.7	5050
		3-20-70	14.3	236.7	5050
27N/04W-35E01M	436.0	10-28-69	123.3	312.7	5050
		3-24-70	108.8	327.2	5050
GLENN COUNTY 5-21.02					
18N/01E-17D01M	70.4	11-03-69	8.2	62.2	5105
		3-19-70	5.1	65.3	5105
18N/01W-01Q02M	73.0	11-03-69	5.8	67.2	5105
		3-19-70	-0.3	73.3	5105

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
GLENN COUNTY 5-21.02 (Continued)					
18N/01W-03J01M	77.5	11-03-69	14.0	63.5	5105
		3-19-70	5.1	72.4	5105
18N/01W-07D01M	81.0	11-03-69	9.2	71.8	5105
		3-19-70	5.1	75.9	5105
18N/01W-13A01M	74.4	11-03-69	10.0	64.4	5105
		3-19-70	4.1	70.3	5105
18N/01W-14D01M	75.8	11-03-69	10.4	65.4	5105
		3-19-70	3.2	72.6	5105
18N/01W-16B01M	74.0	11-03-69	10.4	63.6	5105
		3-19-70	2.7	71.3	5105
18N/01W-17A01M	80.3	11-03-69	15.9	64.4	5105
		3-19-70	6.7	73.6	5105
18N/01W-17G01M	79.0	11-03-69	16.3	62.7	5105
		3-19-70	8.7	70.3	5105
18N/01W-22L01M	70.0	11-03-69	7.1	62.9	5105
		3-19-70	3.5	66.5	5105
18N/02W-01N01M	75.0	11-03-69	7.5	67.5	5105
		3-19-70	5.1	69.9	5105
18N/02W-07C01M	85.0	11-04-69	17.0	68.0	5105
		3-18-70	9.2	75.8	5105
18N/03W-10L01M	95.0	10-23-69	3.7	91.3	5050
		11-19-69	3.9	91.1	5050
		12-17-69	4.2	90.8	5050
		1-28-70	3.1	91.9	5050
		2-24-70	4.2	90.8	5050
		3-19-70	4.5	90.5	5050
		4-23-70	5.3	89.7	5050
		5-20-70	4.3	90.7	5050
		6-23-70	4.5	90.5	5050
		7-22-70	4.4	90.6	5050
		8-25-70	4.2	90.8	5050
		9-24-70	4.3	90.7	5050
18N/03W-20C01M	109.0	11-04-69	2.6	106.4	5105
		3-18-70	2.5	106.5	5105
18N/03W-22D01M	94.0	11-04-69	0.4	93.6	5105
		3-18-70	1.7	92.3	5105
18N/04W-11B03M	151.0	11-04-69	27.1	123.9	5105
		3-18-70	24.9	126.1	5105
18N/04W-12A01M	130.0	11-04-69	11.2	118.8	5105
		3-18-70	8.1	121.9	5105
18N/04W-23F01M	151.0	11-04-69	13.4	137.6	5105
		3-18-70	10.6	140.4	5105
19N/01E-08R01M	91.0	11-03-69	7.1	83.9	5105
		3-19-70	4.8	86.2	5105
19N/01W-07B01M	96.0	11-03-69	20.6	75.4	5105
		3-19-70	(2)		5105
19N/01W-09C01M	97.0	11-03-69	18.0	79.0	5105
		3-19-70	12.9	84.1	5105
19N/01W-10D01M	92.5	11-03-69	13.1	79.4	5105
		3-19-70	8.5	84.0	5105
19N/01W-14K01M	87.0	11-03-69	10.6	76.4	5105
		3-19-70	7.0	80.0	5105
19N/01W-15D01M	91.0	11-03-69	11.6	79.4	5105
		3-19-70	6.9	84.1	5105
19N/01W-20A01M	94.8	11-03-69	20.3	74.5	5105
		3-19-70	15.8	79.0	5105
19N/02W-01F01M	92.0	11-03-69	6.6	85.4	5105
		3-19-70	2.0	90.0	5105
19N/02W-05N01M	111.0	11-05-69	8.1	102.9	5105
		3-18-70	7.8	103.2	5105
19N/02W-09A01M	96.1	11-03-69	5.3	90.8	5105
		3-18-70	5.4	90.7	5105

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
GLENN COUNTY 5-21.02 (Continued)					
19N/02W-10H01M	92.0	11-03-69	7.7	84.3	5105
		3-19-70	8.1	83.9	5105
19N/02W-13J01M	86.0	10-23-69	11.0	75.0	5050
		11-19-69	11.5	74.5	5050
		12-17-69	11.1	74.9	5050
		1-28-70	0.1	85.9	5050
		2-24-70	3.3	82.7	5050
		3-18-70	5.6	80.4	5050
		4-23-70	10.1	75.9	5050
		5-20-70	9.2	76.8	5050
		6-23-70	11.5	74.5	5050
		7-22-70	11.7	74.3	5050
		8-25-70	10.9	75.1	5050
		9-24-70	10.8	75.2	5050
19N/02W-15J01M	85.0	11-03-69	6.9	78.1	5105
		3-19-70	6.0	79.0	5105
19N/02W-19D01M	103.0	11-04-69	4.2	98.8	5105
		3-18-70	4.4	98.6	5105
19N/02W-23Q01M	86.0	11-03-69	8.6	77.4	5105
		3-19-70	5.5	80.5	5105
19N/02W-29Q01M	90.0	11-05-69	4.1	85.9	5105
		3-18-70	2.4	87.6	5105
19N/02W-30D01M	100.0	11-04-69	9.7	90.3	5105
		3-18-70	8.8	91.2	5105
19N/02W-34F01M	83.0	11-05-69	5.1	77.9	5105
		3-19-70	3.4	79.6	5105
19N/02W-36H01M	81.4	11-03-69	8.8	72.6	5105
		3-19-70	4.2	77.2	5105
19N/03W-01H01M	117.0	11-04-69	9.0	108.0	5105
		3-18-70	7.5	109.5	5105
19N/03W-02N01M	120.0	11-04-69	10.0	110.0	5105
		3-18-70	8.9	111.1	5105
19N/03W-03Q01M	128.0	11-04-69	8.3	119.7	5105
		3-18-70	8.7	119.3	5105
19N/03W-08B01M	134.1	11-04-69	31.0	103.1	5105
		3-18-70	26.5	107.6	5105
19N/03W-11N02M	123.0	11-04-69	10.2	112.8	5105
		3-18-70	12.1	110.9	5105
19N/03W-32E01M	130.0	11-04-69	12.7	117.3	5105
		3-18-70	12.0	118.0	5105
19N/04W-01A01M	165.0	11-04-69	52.3	112.7	5105
		3-18-70	45.5	119.5	5105
19N/04W-03J01M	188.7	11-04-69	23.3	165.4	5105
		3-18-70	22.2	166.5	5105
19N/04W-11L01M	184.0	11-04-69	48.9	135.1	5105
		3-18-70	48.1	135.9	5105
19N/04W-12E01M	174.0	10-23-69	62.3	111.7	5050
		11-19-69	60.0	114.0	5050
		12-17-69	59.3	114.7	5050
		1-28-70	56.1	117.9	5050
		2-24-70	55.6	118.4	5050
		3-18-70	52.7	121.3	5050
		4-23-70	59.7	114.3	5050
		5-20-70	(1)		5050
		6-23-70	(1)		5050
		7-22-70	(1)		5050
		8-25-70	76.8	97.2	5050
		9-24-70	75.8	98.2	5050
19N/04W-25B01M	152.3	11-04-69	45.4	106.9	5105
		3-19-70	39.6	112.7	5105
19N/04W-35C01M	165.0	11-04-69	(1)		5105
		3-19-70	41.5	123.5	5105
20N/01W-07B01M	115.0	11-05-69	9.1	105.9	5105
		3-18-70	6.8	108.2	5105
GLENN COUNTY 5-21.02 (Continued)					
20N/01W-20N02M	102.0	11-03-69	16.6	85.4	5105
		3-18-70	12.6	89.4	5105
20N/01W-31E01M	96.0	11-05-69	9.8	86.2	5105
		3-19-70	4.4	91.6	5105
20N/02W-02J01M	125.0	11-05-69	8.3	116.7	5105
		3-19-70	6.6	118.4	5105
20N/02W-05A01M	144.0	11-05-69	18.3	125.7	5105
		3-18-70	10.7	133.3	5105
20N/02W-09A01M	131.8	11-05-69	6.5	125.3	5105
		3-19-70	5.3	126.5	5105
20N/02W-13G01M	113.0	11-05-69	4.9	108.1	5105
		-319-70	4.3	108.7	5105
20N/02W-27J01M	102.0	11-03-69	6.9	95.1	5105
		3-19-70	6.3	95.7	5105
20N/02W-29G01M	117.0	10-23-69	7.1	109.9	5050
		11-19-69	7.3	109.7	5050
		12-17-69	8.2	108.8	5050
		1-28-70	5.3	111.7	5050
		2-24-70	6.9	110.1	5050
		3-18-70	7.1	109.9	5050
		4-23-70	5.4	111.6	5050
		5-20-70	3.9	113.1	5050
		6-23-70	4.6	112.4	5050
		7-22-70	4.7	112.3	5050
		8-25-70	4.5	112.5	5050
		9-24-70	5.1	111.9	5050
20N/03W-03D02M	164.0	11-04-69	36.1	127.9	5105
		3-18-70	22.9	141.1	5105
20N/03W-07K03M	166.0	10-06-69	61.5	104.5	5001
		3-19-70	41.1	124.9	5001
20N/03W-10B01M	155.0	11-04-69	33.4	121.6	5105
		3-18-70	22.3	132.7	5105
20N/03W-10D02M	156.0	11-04-69	35.6	120.4	5105
		3-18-70	22.3	133.7	5105
20N/03W-12C01M	159.0	11-04-69	35.8	123.2	5105
		3-18-70	25.8	133.2	5105
20N/03W-19B01M	159.5	11-06-69	46.4	113.1	5105
		3-19-70	23.8	135.7	5105
20N/03W-21A02M	143.7	11-06-69	47.2	96.5	5105
		3-19-70	25.5	118.2	5105
20N/03W-24B03M	142.0	11-05-69	26.3	115.7	5105
		3-18-70	19.9	122.1	5105
20N/03W-25Q01M	134.0	11-04-69	23.5	110.5	5105
		3-18-70	19.5	114.5	5105
20N/03W-31A01M	147.5	10-06-69	42.7	104.8	5001
		3-19-70	(1)		5001
20N/03W-33J01M	136.0	10-06-69	31.3	104.7	5001
		3-19-70	16.7	119.3	5001
21N/01W-04N01M	135.0	11-06-69	20.0	115.0	5105
		3-19-70	13.2	121.8	5105
21N/01W-05A01M	143.5	11-06-69	22.5	121.0	5105
		3-19-70	15.9	127.6	5105
21N/01W-09N01M	129.0	11-05-69	16.8	112.2	5105
		3-19-70	11.9	117.1	5105
21N/01W-17F01M	132.5	11-05-69	19.0	113.5	5105
		3-19-70	13.8	118.7	5105
21N/01W-18F01M	139.1	11-06-69	8.6	130.5	5105
		3-18-70	3.8	135.3	5105
21N/01W-31E01M	129.8	11-05-69	11.2	118.6	5105
		3-19-70	8.3	121.5	5105

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
GLENN COUNTY 5-21.02 (Continued)					
21N/01W-33N01M	115.0	11-05-69	18.4	96.6	5105
		3-18-70	14.3	100.7	5105
21N/02W-02B02M	161.0	11-06-69	21.5	139.5	5105
		3-18-70	13.4	147.6	5105
21N/02W-03Q01M	162.6	11-06-69	18.3	144.3	5105
		3-18-70	8.7	153.9	5105
21N/02W-09M02M	179.0	11-06-69	35.6	143.4	5105
		3-18-70	21.4	157.6	5105
21N/02W-15B01M	161.0	11-06-69	26.7	134.3	5105
		3-18-70	14.6	146.4	5105
21N/02W-20B01M	166.0	11-05-69	35.0	131.0	5105
		3-18-70	19.7	146.3	5105
21N/02W-20E01M	170.0	11-05-69	39.7	130.3	5105
		3-18-70	25.1	144.9	5105
21N/02W-22J01M	152.0	11-05-69	26.1	125.9	5105
		3-19-70	16.2	135.8	5105
21N/02W-23G01M	152.0	11-05-69	22.8	129.2	5105
		3-19-70	13.5	138.5	5105
21N/02W-23H01M	142.6	11-05-69	15.0	127.6	5105
		3-18-70	6.9	135.7	5105
21N/02W-28M01M	151.0	11-05-69	25.6	125.4	5105
		3-18-70	14.0	137.0	5105
21N/02W-31D01M	165.0	11-04-69	38.3	126.7	5105
		3-18-70	25.8	139.2	5105
21N/02W-31D02M	165.0	11-04-69	38.1	126.9	5105
		3-18-70	25.7	139.3	5105
21N/02W-31M01M	161.0	11-04-69	33.8	127.2	5105
		3-18-70	22.7	138.3	5105
21N/02W-35P01M	128.0	11-05-69	6.1	121.9	5105
		3-19-70	4.4	123.6	5105
21N/03W-02B01M	219.0	10-23-69	22.0	197.0	5050
		11-19-69	19.6	199.4	5050
		12-17-69	19.4	199.6	5050
		1-28-70	14.1	204.9	5050
		2-24-70	13.2	205.8	5050
		3-19-70	13.4	205.6	5050
		4-23-70	25.0	194.0	5050
		5-20-70	30.4	188.6	5050
		6-23-70	(1)		5050
		7-22-70	33.4	185.6	5050
		8-25-70	(1)		5050
		9-24-70	(1)		5050
21N/03W-08D01M	225.5	10-07-69	77.7	147.8	5001
		3-18-70	57.3	168.2	5001
21N/03W-09R01M	220.8	10-06-69	36.5	184.3	5001
		3-18-70	26.9	193.9	5001
21N/03W-10J01M	205.7	10-23-69	24.7	181.0	5050
		11-19-69	22.6	183.1	5050
		12-17-69	23.8	181.9	5050
		1-28-70	16.2	189.5	5050
		2-24-70	15.8	189.9	5050
		3-19-70	15.6	190.1	5050
		4-23-70	19.3	186.4	5050
		5-20-70	21.6	184.1	5050
		6-23-70	23.4	182.3	5050
		7-22-70	24.8	180.9	5050
		8-25-70	25.6	180.1	5050
		9-24-70	26.6	179.1	5050
21N/03W-11G01M	200.0	11-04-69	43.4	156.6	5105
		3-18-70	15.7	184.3	5105
21N/03W-11M01M	206.5	11-04-69	59.0	147.5	5105
		3-18-70	39.1	167.4	5105
21N/03W-12C01M	202.0	11-04-69	42.8	159.2	5105
		3-18-70	16.2	185.8	5105
GLENN COUNTY 5-21.02 (Continued)					
21N/03W-12C02M	202.0	11-04-69	35.5	166.5	5105
		3-18-70	16.5	185.5	5105
21N/03W-14B01M	197.8	11-04-69	34.0	163.8	5105
		3-18-70	26.6	171.2	5105
21N/03W-15C01M	215.0	11-04-69	37.1	177.9	5105
		3-18-70	28.5	186.5	5105
21N/03W-18B01M	218.0	10-07-69	82.7	135.3	5001
		3-19-70	67.1	150.9	5001
21N/03W-20D02M	206.1	10-07-69	69.0	137.1	5001
		3-18-70	54.0	152.1	5001
21N/03W-29F02M	192.0	10-07-69	69.4	122.6	5001
		3-18-70	47.2	144.8	5001
21N/03W-31C02M	199.0	10-07-69	79.3	119.7	5001
		3-18-70	63.8	135.2	5001
21N/03W-31R02M	183.0	10-23-69	65.7	117.3	5050
		11-19-69	61.6	121.4	5050
		12-17-69	59.4	123.6	5050
		1-28-70	54.1	128.9	5050
		2-24-70	51.6	131.4	5050
		3-19-70	50.0	133.0	5050
		4-23-70	70.5	112.5	5050
		5-20-70	62.5	120.5	5050
		6-23-70	73.8	109.2	5050
		7-22-70	79.2	103.8	5050
		8-25-70	80.1	102.9	5050
		9-24-70	75.1	107.9	5050
21N/03W-31R03M	183.0	10-23-69	4.7	178.3	5050
		11-19-69	4.8	178.2	5050
		12-17-69	4.9	178.1	5050
		1-28-70	4.0	179.0	5050
		2-24-70	2.9	180.1	5050
		3-19-70	3.9	179.1	5050
		4-23-70	4.2	178.8	5050
		5-20-70	4.3	178.7	5050
		6-23-70	4.3	178.7	5050
		7-22-70	4.8	178.2	5050
		8-25-70	4.9	178.1	5050
		9-24-70	5.0	178.0	5050
21N/03W-31R04M	183.0	10-23-69	64.2	118.8	5050
		11-19-69	60.3	122.7	5050
		12-17-69	58.7	124.3	5050
		1-28-70	52.2	130.8	5050
		2-24-70	49.4	133.6	5050
		3-19-70	48.3	134.7	5050
		4-23-70	71.1	111.9	5050
		5-20-70	60.7	122.3	5050
		6-23-70	82.0	101.0	5050
		7-22-70	79.3	103.7	5050
		8-25-70	74.2	108.8	5050
		9-24-70	84.0	99.0	5050
21N/03W-31R05M	183.0	10-23-69	65.6	117.4	5050
		11-19-69	61.2	121.8	5050
		12-17-69	58.3	124.7	5050
		1-28-70	52.4	130.6	5050
		2-24-70	48.8	134.2	5050
		3-19-70	46.8	136.2	5050
		4-23-70	54.9	128.1	5050
		5-20-70	56.6	126.4	5050
		6-23-70	64.0	119.0	5050
		7-22-70	66.5	116.5	5050
		8-25-70	70.4	112.6	5050
		9-24-70	70.7	112.3	5050
21N/03W-31R06M	183.0	10-23-69	5.2	177.8	5050
		11-19-69	6.0	177.0	5050
		12-17-69	6.1	176.9	5050
		1-28-70	(2)		5050
		2-24-70	1.8	181.2	5050
		3-19-70	2.0	181.0	5050
		4-23-70	3.4	179.6	5050
		5-20-70	4.1	178.9	5050
		6-23-70	3.0	180.0	5050
		7-22-70	3.0	180.0	5050
		8-25-70	3.3	179.7	5050
		9-24-70	3.3	179.7	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
GLENN COUNTY 5-21.02 (Continued)					
21N/03W-32N01M	184.4	10-07-69	72.6	111.8	5001
		3-19-70	55.8	128.6	5001
21N/03W-33A04M	174.0	10-06-69	54.3	119.7	5001
		3-19-70	28.3	145.7	5001
21N/03W-35L01M	163.0	11-04-69	36.2	126.8	5105
		3-18-70	27.1	135.9	5105
21N/03W-35L02M	160.0	11-04-69	32.6	127.4	5105
		3-18-70	22.3	137.7	5105
21N/04W-12B02M	249.0	10-06-69	100.4	148.6	5001
		3-18-70	86.9	162.1	5001
21N/04W-23H01M	259.0	10-06-69	100.7	158.3	5001
		3-18-70	100.3	158.7	5001
21N/04W-24A02M	230.0	10-07-69	96.9	133.1	5001
		3-18-70	91.3	138.7	5001
22N/01W-18E02M	149.5	11-06-69	17.5	132.0	5105
		3-17-70	13.1	136.4	5105
22N/01W-18E03M	147.0	11-06-69	13.8	133.2	5105
		3-17-70	9.7	137.3	5105
22N/01W-34E01M	135.0	11-06-69	17.1	117.9	5105
		3-19-70	11.2	123.8	5105
22N/02W-03D04M	185.0	11-06-69	22.7	162.3	5105
		3-17-70	10.2	174.8	5105
22N/02W-03F01M	191.0	11-06-69	31.9	159.1	5105
		3-17-70	17.6	173.4	5105
22N/02W-03L01M	186.0	11-06-69	34.6	151.4	5105
		3-17-70	21.0	165.0	5105
22N/02W-05B01M	199.7	11-06-69	11.6	188.1	5105
		3-17-70	3.6	196.1	5105
22N/02W-05L02M	202.0	11-06-69	23.2	178.8	5105
		3-17-70	14.7	187.3	5105
22N/02W-08B02M	205.0	10-23-69	32.4	172.6	5050
		11-19-69	27.0	178.0	5050
		12-17-69	25.2	179.8	5050
		1-28-70	19.6	185.4	5050
		2-24-70	16.6	188.4	5050
		3-18-70	11.0	194.0	5050
		4-23-70	39.3	165.7	5050
		5-20-70	(1)		5050
		6-23-70	53.9	151.1	5050
		7-22-70	57.2	147.8	5050
		8-25-70	(1)		5050
		9-24-70	50.2	154.8	5050
22N/02W-08D01M	207.0	11-06-69	25.8	181.2	5105
		3-17-70	14.1	192.9	5105
22N/02W-08Q01M	203.0	11-07-69	13.0	190.0	5105
		3-17-70	6.3	196.7	5105
22N/02W-09L03M	195.0	11-06-69	21.0	174.0	5105
		3-17-70	8.4	186.6	5105
22N/02W-12C01M	156.0	11-06-69	21.5	134.5	5105
		3-17-70	17.8	138.2	5105
22N/02W-14B02M	165.0	11-06-69	10.8	154.2	5105
		3-17-70	4.4	160.6	5105
22N/02W-16C01M	196.0	11-06-69	14.7	181.3	5105
		3-17-70	7.0	189.0	5105
22N/02W-20P02M	203.0	11-06-69	5.4	197.6	5105
		3-17-70	3.2	199.8	5105
22N/02W-21D01M	198.0	11-06-69	14.0	184.0	5105
		3-17-70	9.5	188.5	5105
22N/02W-23B01M	169.0	11-06-69	9.5	159.5	5105
		3-17-70	5.4	163.6	5105
22N/02W-23N01M	175.0	11-06-69	15.4	159.6	5105
		3-17-70	11.9	163.1	5105
GLENN COUNTY 5-21.02 (Continued)					
22N/02W-24L01M	163.5	11-06-69	26.6	136.9	5105
		3-17-70	17.1	146.4	5105
22N/02W-32H03M	187.0	11-06-69	11.6	175.4	5105
		3-17-70	6.6	180.4	5105
22N/02W-36D01M	158.7	11-06-69	13.0	145.7	5105
		3-17-70	11.8	146.9	5105
22N/03W-01L01M	237.0	11-06-69	12.2	224.8	5105
		3-17-70	12.0	225.0	5105
22N/03W-04E01M	283.0	11-07-69	69.8	213.2	5001
		3-18-70	64.5	218.5	5001
22N/03W-05F01M	293.0	11-07-69	41.9	251.1	5001
		3-18-70	42.9	250.1	5001
22N/03W-07C01M	300.0	10-07-69	8.3	291.7	5001
		3-18-70	5.3	294.7	5001
22N/03W-10Q01M	256.2	10-06-69	14.4	241.8	5105
		3-17-70	12.9	243.3	5105
22N/03W-17Q01M	275.9	10-07-69	8.4	267.5	5001
		3-18-70	9.4	266.5	5001
22N/03W-21F01M	262.0	10-23-69	15.8	246.2	5050
		11-19-69	17.6	244.4	5050
		12-17-69	19.4	242.6	5050
		1-28-70	15.9	246.1	5050
		2-24-70	16.8	245.2	5050
		3-19-70	17.5	244.5	5050
		4-23-70	17.7	244.3	5050
		5-20-70	17.7	244.3	5050
		6-23-70	18.3	243.7	5050
		7-22-70	17.5	244.5	5050
		8-25-70	17.5	244.5	5050
		9-24-70	16.9	245.1	5050
22N/03W-23E01M	243.0	11-06-69	18.9	224.1	5105
		3-17-70	2.6	240.4	5105
22N/03W-24M01M	232.5	11-06-69	12.9	219.6	5105
		3-17-70	10.9	221.6	5105
22N/03W-29B01M	268.0	10-07-69	13.7	254.3	5001
		3-18-70	18.2	249.8	5001
22N/03W-31F01M	255.0	10-07-69	1.7	253.3	5001
		3-18-70	1.2	253.8	5001
22N/03W-32R01M	247.2	10-07-69	18.1	229.1	5001
		3-18-70	20.0	227.2	5001
22N/03W-33A01M	241.8	10-07-69	9.2	232.6	5001
		3-18-70	11.6	230.2	5001
22N/04W-12L01M	318.0	10-07-69	4.3	313.7	5001
		3-18-70	2.1	315.9	5001
BUTTE COUNTY 5-21.03					
17N/01E-01R01M	69.5	10-17-69	6.7	62.8	5106
		3-23-70	5.0	64.5	5106
17N/01E-03A01M	63.2	10-17-69	7.5	55.7	5106
		3-23-70	7.8	55.4	5106
17N/01E-10A01M	63.0	10-17-69	9.4	53.6	5106
		3-23-70	8.8	54.2	5106
17N/02E-06D01M	71.0	10-24-69	8.3	62.7	5050
		11-20-69	9.9	61.1	5050
		12-21-69	8.7	62.3	5050
		1-27-70	5.5	65.5	5050
		2-25-70	6.9	64.1	5050
		3-19-70	7.5	63.5	5050
		4-24-70	5.7	65.3	5050
		5-21-70	6.5	64.5	5050
		6-24-70	6.3	64.7	5050
		7-23-70	5.5	65.5	5050
		8-26-70	6.0	65.0	5050
		9-25-70	7.0	64.0	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
BUTTE COUNTY 5-21.03 (Continued)					
17N/02E-08D01M	74.5	10-17-69	4.2	70.3	5106
		3-23-70	5.2	69.3	5106
17N/02E-12A01M	90.0	10-17-69	10.6	79.4	5106
		3-23-70	6.7	83.3	5106
17N/02E-14A01M	82.5	10-17-69	5.3	77.2	5106
		3-23-70	3.8	78.7	5106
17N/02E-16C01M	74.0	10-17-69	4.8	69.2	5106
		3-23-70	3.9	70.1	5106
17N/03E-01R01M	100.0	10-16-69	40.9	59.1	5106
		3-23-70	37.0	63.0	5106
17N/03E-03D01M	95.0	10-17-69	23.7	71.3	5106
		3-23-70	17.8	77.2	5106
17N/03E-05C01M	96.0	10-17-69	11.8	84.2	5106
		3-23-70	7.0	89.0	5106
17N/03E-08G01M	90.0	10-17-69	9.2	80.8	5106
		3-23-70	6.0	84.0	5106
17N/03E-14H01M	92.0	10-16-69	30.1	61.9	5106
		3-23-70	21.5	70.5	5106
17N/03E-16N01M	85.0	10-17-69	10.1	74.9	5106
		3-23-70	7.8	77.2	5106
17N/04E-05C01M	95.0	10-16-69	38.0	57.0	5106
		3-23-70	27.2	67.8	5106
17N/04E-08A01M	96.0	10-16-69	24.8	71.2	5106
		3-23-70	14.6	81.4	5106
17N/04E-08L01M	92.0	10-16-69	27.5	64.5	5106
		3-23-70	18.0	74.0	5106
17N/04E-16E01M	106.0	10-16-69	29.3	76.7	5106
		3-23-70	22.8	83.2	5106
17N/04E-16E02M	106.0	10-16-69	23.2	82.8	5106
		3-23-70	26.9	79.1	5106
17N/04E-18C01M	96.0	10-16-69	27.8	68.2	5106
		3-23-70	28.4	67.6	5106
18N/01E-13A01M	77.0	10-17-69	3.8	73.2	5106
		3-24-70	4.5	72.5	5106
18N/01E-13M01M	77.0	10-17-69	7.9	69.1	5106
		3-24-70	6.4	70.6	5106
18N/01E-15D01M	70.0	10-17-69	3.5	66.5	5106
		3-24-70	3.3	66.7	5106
18N/01E-33N03M	64.0	10-17-69	(4)		5106
		3-24-70	6.7	57.3	5106
18N/02E-08D01M	86.0	10-17-69	7.9	78.1	5106
		3-24-70	4.5	81.5	5106
18N/02E-11D01M	90.0	10-17-69	4.6	85.4	5106
		3-24-70	3.9	86.1	5106
18N/02E-16F01M	80.0	10-17-69	7.1	72.9	5106
		3-24-70	(2)		5106
18N/02E-20P01M	76.0	10-17-69	6.0	70.0	5106
		3-24-70	5.6	70.4	5106
18N/02E-25M01M	87.0	10-17-69	6.9	80.1	5106
		3-24-70	6.3	80.7	5106
18N/02E-32Q02M	75.0	10-17-69	4.8	70.2	5106
		3-24-70	6.6	68.4	5106
18N/02E-35P01M	84.0	10-17-69	2.4	81.6	5106
		3-24-70	4.1	79.9	5106
18N/03E-05K01M	110.4	10-16-69	12.2	98.2	5106
		3-23-70	8.1	102.3	5106
BUTTE COUNTY 5-21.03 (Continued)					
18N/03E-06M01M	107.0	10-24-69	12.3	94.7	5050
		11-20-69	12.4	94.6	5050
		12-22-69	11.2	95.8	5050
		1-27-70	9.4	97.6	5050
		2-25-70	9.2	97.8	5050
		3-19-70	9.3	97.7	5050
		4-24-70	11.2	95.8	5050
		5-21-70	10.6	96.4	5050
		6-24-70	11.0	96.0	5050
		7-23-70	10.2	96.8	5050
		8-26-70	10.0	97.0	5050
		9-25-70	11.3	95.7	5050
18N/03E-11G01M	124.0	10-24-69	32.7	91.3	5050
		11-20-69	31.0	93.0	5050
		12-22-69	30.4	93.6	5050
		1-27-70	22.1	101.9	5050
		2-25-70	22.1	101.9	5050
		3-19-70	20.1	103.9	5050
		4-24-70	26.5	97.5	5050
		5-21-70	32.3	91.7	5050
		6-24-70	30.7	93.3	5050
		7-23-70	33.1	90.9	5050
		8-26-70	33.8	90.2	5050
		9-25-70	33.0	91.0	5050
18N/03E-14H01M	120.0	10-16-69	30.5	89.5	5106
		3-23-70	24.8	95.2	5106
18N/03E-18F01M	97.5	10-16-69	8.5	89.0	5106
		3-23-70	5.0	92.5	5106
18N/03E-19Q01M	95.5	10-16-69	9.8	85.7	5106
		3-23-70	7.6	87.9	5106
18N/03E-21G01M	104.0	10-16-69	19.9	84.1	5106
		3-23-70	11.8	92.2	5106
18N/03E-24A01M	115.0	10-16-69	13.0	102.0	5106
		3-23-70	(1)		5106
18N/04E-07A01M	153.0	10-16-69	2.2	150.8	5106
		3-23-70	2.4	150.6	5106
18N/04E-08M01M	145.0	10-16-69	45.1	99.9	5106
		3-23-70	33.1	111.9	5106
18N/04E-16C01M	201.0	10-16-69	77.0	124.0	5106
		3-23-70	75.5	125.5	5106
18N/04E-28L01M	135.0	10-16-69	74.1	60.9	5106
		3-23-70	43.8	91.2	5106
18N/04E-30D01M	107.0	10-16-69	27.7	79.3	5106
		3-23-70	8.4	98.6	5106
18N/04E-32J01M	111.0	10-16-69	38.0	73.0	5106
		3-23-70	28.4	82.6	5106
19N/01E-15E01M	92.0	10-20-69	8.6	83.4	5106
		3-24-70	7.1	84.9	5106
19N/01E-28R01M	80.0	10-24-69	5.9	74.1	5050
		11-20-69	6.2	73.8	5050
		12-22-69	3.0	77.0	5050
		1-27-70	0.6	79.4	5050
		2-25-70	4.8	75.2	5050
		3-19-70	5.3	74.7	5050
		4-24-70	6.1	73.9	5050
		5-21-70	4.9	75.1	5050
		6-24-70	5.3	74.7	5050
		7-23-70	4.6	75.4	5050
		8-26-70	4.4	75.6	5050
		9-25-70	4.4	75.6	5050
19N/02E-01A01M	125.0	10-17-69	12.5	112.5	5106
		3-24-70	6.3	118.7	5106
19N/02E-07K01M	98.0	10-20-69	3.6	94.4	5106
		3-24-70	2.7	95.3	5106
19N/02E-17A01M	102.0	10-20-69	2.9	99.1	5106
		3-24-70	2.7	99.3	5106

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
BUTTE COUNTY 5-21.03 (Continued)					
19N/02E-34J01M	96.0	10-17-69	4.8	91.2	5106
		3-24-70	4.5	91.5	5106
19N/03E-14B01M	201.5	10-17-69	75.0	126.5	5106
		3-23-70	87.5	114.0	5106
19N/03E-16P01M	170.0	10-17-69	52.6	117.4	5106
		3-23-70	58.9	111.1	5106
19N/03E-22A01M	183.0	10-17-69	58.0	125.0	5106
		3-23-70	51.1	131.9	5106
19N/03E-36A01M	145.0	10-16-69	29.7	115.3	5106
		3-23-70	21.5	123.5	5106
19N/04E-06E01M	275.0	10-17-69	93.6	181.4	5106
		3-23-70	85.3	189.7	5106
19N/04E-20D01M	193.0	10-17-69	(1)		5106
		3-23-70	(1)		5106
19N/04E-28Q01M	248.0	10-16-69	21.1	226.9	5106
		3-23-70	15.6	232.4	5106
19N/04E-32P01M	187.0	10-16-69	(1)		5106
		3-23-70	48.0	139.0	5106
20N/01E-08C02M	114.6	10-20-69	8.0	106.6	5106
		3-24-70	3.3	111.3	5106
20N/01E-11B02M	128.9	10-20-69	16.9	112.0	5106
		3-24-70	5.5	123.4	5106
20N/01E-24R01M	114.0	10-20-69	4.5	109.5	5106
		3-24-70	2.9	111.1	5106
20N/01E-27P01M	101.0	10-20-69	(1)		5106
		3-24-70	5.9	95.1	5106
20N/01E-35C01M	100.0	10-20-69	4.2	95.8	5106
		3-24-70	3.8	96.2	5106
20N/02E-06Q01M	135.3	10-20-69	14.1	121.2	5106
		3-24-70	5.3	130.0	5106
20N/02E-07H02M	129.4	10-20-69	8.2	121.2	5106
		3-24-70	3.1	126.3	5106
20N/02E-09L01M	137.0	10-20-69	10.3	126.7	5106
		3-24-70	5.0	132.0	5106
20N/02E-10J01M	147.0	10-20-69	20.6	126.4	5106
		3-24-70	12.1	134.9	5106
20N/02E-12J01M	172.0	10-20-69	50.7	121.3	5106
		3-24-70	41.9	130.1	5106
20N/02E-13M01M	160.0	10-20-69	33.0	127.0	5106
		3-24-70	24.0	136.0	5106
20N/02E-17P01M	122.5	10-20-69	4.7	117.8	5106
		3-24-70	0.3	122.2	5106
20N/02E-28N01M	118.0	10-24-69	5.5	112.5	5050
		11-20-69	5.7	112.3	5050
		12-22-69	2.1	115.9	5050
		1-27-70	1.9	116.1	5050
		2-25-70	3.9	114.1	5050
		3-19-70	4.2	113.8	5050
		4-24-70	5.9	112.1	5050
		5-21-70	5.4	112.6	5050
		6-24-70	5.7	112.3	5050
		7-23-70	5.9	112.1	5050
		8-26-70	5.3	112.7	5050
		9-25-70	5.3	112.7	5050
20N/03E-07H01M	190.0	10-20-69	50.5	139.5	5106
		3-24-70	45.6	144.4	5106
20N/03E-10B01M	270.0	10-20-69	4.0	266.0	5106
		3-24-70	3.1	266.9	5106
20N/03E-22A01M	265.0	10-20-69	3.7	261.3	5106
		3-24-70	3.6	261.4	5106
BUTTE COUNTY 5-21.03 (Continued)					
20N/03E-28N01M	150.0	10-24-69	33.7	116.3	5050
		11-20-69	33.2	116.8	5050
		12-22-69	32.9	117.1	5050
		1-27-70	32.2	117.8	5050
		2-25-70	31.8	118.2	5050
		3-19-70	31.2	118.8	5050
		4-24-70	30.3	119.7	5050
		5-22-70	30.4	119.6	5050
		6-24-70	31.4	118.6	5050
		7-23-70	32.5	117.5	5050
		8-26-70	34.0	116.0	5050
		9-25-70	35.0	115.0	5050
20N/03E-32D01M	141.0	10-17-69	35.7	105.3	5106
		3-24-70	26.0	115.0	5106
20N/03E-34A01M	226.0	10-17-69	8.3	217.7	5106
		3-24-70	2.0	224.0	5106
20N/01W-03D01M	114.0	10-20-69	20.4	93.6	5106
		3-25-70	13.7	100.3	5106
20N/01W-15A01M	107.0	10-20-69	13.3	93.7	5106
		3-24-70	(1)		5106
20N/01W-26H01M	105.2	10-20-69	10.1	95.1	5106
		3-24-70	8.1	97.1	5106
20N/01W-26H02M	105.6	10-20-69	9.3	96.3	5106
		3-24-70	7.3	98.3	5106
21N/01E-05G01M	149.0	10-24-69	(1)		5050
		11-20-69	17.8	131.2	5050
		12-22-69	17.1	131.9	5050
		1-27-70	11.8	137.2	5050
		2-25-70	9.9	139.1	5050
		3-19-70	6.4	142.6	5050
		4-24-70	12.3	136.7	5050
		5-21-70	14.6	134.4	5050
		6-23-70	18.5	130.5	5050
		7-23-70	22.8	126.2	5050
		8-26-70	21.8	127.2	5050
		9-25-70	21.5	127.5	5050
21N/01E-05M01M	141.0	10-21-69	15.4	125.6	5106
		3-25-70	6.9	134.1	5106
21N/01E-08A01M	152.1	10-21-69	20.3	131.8	5106
		3-25-70	9.8	142.3	5106
21N/01E-12K01M	187.0	10-21-69	49.3	137.7	5106
		3-25-70	24.1	162.9	5106
21N/01E-13K01M	177.0	10-21-69	38.3	138.7	5106
		3-25-70	31.0	146.0	5106
21N/01E-23C01M	160.5	10-21-69	32.8	127.7	5106
		3-25-70	25.5	135.0	5106
21N/01E-27D01M	141.0	10-21-69	24.9	116.1	5106
		3-25-70	15.5	125.5	5106
21N/01E-28M01M	135.0	10-24-69	21.1	113.9	5050
		11-20-69	20.3	114.7	5050
		12-22-69	19.6	115.4	5050
		1-27-70	12.2	122.8	5050
		2-25-70	10.7	124.3	5050
		3-19-70	10.4	124.6	5050
		4-25-70	12.5	122.5	5050
		5-21-70	17.8	117.2	5050
		6-24-70	22.5	112.5	5050
		7-23-70	25.3	109.7	5050
		8-26-70	25.1	109.9	5050
		9-25-70	23.0	112.0	5050
21N/01E-31L01M	115.0	10-24-69	7.2	107.8	5050
		11-20-69	7.4	107.6	5050
		12-22-69	4.3	110.7	5050
		1-27-70	(1)		5050
		2-25-70	1.8	113.2	5050
		3-19-70	2.5	112.5	5050
		4-24-70	4.0	111.0	5050
		5-21-70	5.8	109.2	5050
		6-24-70	7.8	107.2	5050
		7-23-70	6.8	108.2	5050
		8-26-70	6.7	108.3	5050
		9-25-70	8.0	107.0	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
BUTTE COUNTY 5-21.03 (Continued)					
21N/01E-33A01M	135.0	10-21-69	24.2	110.8	5106
		3-25-70	11.7	123.3	5106
21N/02E-07C01M	203.0	10-21-69	66.6	136.4	5106
		3-25-70	53.1	149.9	5106
21N/02E-08E02M	205.0	10-21-69	6.5	198.5	5106
		3-25-70	5.1	199.9	5106
21N/02E-08E03M	205.0	10-21-69	43.3	161.7	5106
		3-25-70	46.8	158.2	5106
21N/02E-17G01M	185.0	10-21-69	(7)		5106
		3-25-70	6.2	178.8	5106
21N/02E-26E02M	177.0	10-24-69	26.6	150.4	5050
		11-20-69	26.8	150.2	5050
		12-22-69	22.3	154.7	5050
		1-27-70	18.8	158.2	5050
		2-25-70	17.7	159.3	5050
		3-19-70	16.8	160.2	5050
		4-24-70	19.5	157.5	5050
		5-21-70	18.6	158.4	5050
		6-24-70	20.2	156.8	5050
		7-23-70	21.1	155.9	5050
		8-26-70	26.9	150.1	5050
		9-25-70	26.4	150.6	5050
21N/02E-26F01M	181.0	10-21-69	52.7	128.3	5106
		3-25-70	40.0	141.0	5106
21N/02E-29E01M	155.5	10-21-69	14.5	141.0	5106
		3-25-70	7.4	148.1	5106
21N/02E-31K01M	146.0	10-21-69	21.0	125.0	5106
		3-25-70	10.3	135.7	5106
21N/03E-31F02M	208.0	10-21-69	51.3	156.7	5106
		3-25-70	52.6	155.4	5106
21N/01W-01E01M	130.0	10-21-69	16.6	113.4	5106
		3-25-70	13.9	116.1	5106
21N/01W-23J01M	117.0	10-20-69	11.4	105.6	5106
		3-25-70	6.8	110.2	5106
21N/01W-26K01M	115.3	10-20-69	17.0	98.3	5106
		3-25-70	10.6	104.7	5106
21N/01W-36A01M	115.0	10-20-69	5.2	109.8	5106
		3-24-70	3.1	111.9	5106
22N/01E-02R01M	218.0	10-22-69	61.4	156.6	5106
		3-26-70	51.4	166.6	5106
22N/01E-09J02M	178.0	10-22-69	28.2	149.8	5106
		3-26-70	17.6	160.4	5106
22N/01E-16K02M	178.0	10-21-69	36.2	141.8	5106
		3-25-70	24.2	153.8	5106
22N/01E-19K01M	151.0	10-21-69	17.2	133.8	5106
		3-25-70	8.0	143.0	5106
22N/01E-20K01M	165.5	10-24-69	27.9	137.6	5050
		11-20-69	27.3	138.2	5050
		12-22-69	26.2	139.3	5050
		1-27-70	22.8	142.7	5050
		2-25-70	19.9	145.6	5050
		3-19-70	18.7	146.8	5050
		4-24-70	20.1	145.4	5050
		5-21-70	22.8	142.7	5050
		6-23-70	27.7	137.8	5050
		7-23-70	31.8	133.7	5050
		8-26-70	30.1	135.4	5050
		9-25-70	30.0	135.5	5050
22N/01E-20L01M	159.0	10-21-69	25.5	133.5	5106
		3-25-70	15.6	143.4	5106
22N/01E-21E01M	155.0	10-21-69	20.7	134.3	5106
		3-25-70	10.3	144.7	5106

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
BUTTE COUNTY 5-21.03 (Continued)					
22N/01E-28J02M	176.0	10-24-69	21.1	154.9	5050
		11-20-69	20.5	155.5	5050
		12-22-69	19.5	156.5	5050
		1-27-70	15.7	160.3	5050
		2-25-70	13.1	162.9	5050
		3-19-70	12.5	163.5	5050
		4-24-70	14.3	161.7	5050
		5-21-70	16.3	159.7	5050
		6-23-70	18.0	158.0	5050
		7-23-70	19.5	156.5	5050
		8-26-70	21.0	155.0	5050
		9-25-70	21.7	154.3	5050
22N/01E-29R01M	164.7	10-21-69	25.6	139.1	5106
		3-25-70	14.1	150.6	5106
22N/01E-31J01M	147.0	10-21-69	14.3	132.7	5106
		3-25-70	6.3	140.7	5106
22N/02E-17E01M	281.0	10-22-69	(1)		5106
		3-26-70	65.0	216.0	5106
22N/01W-05M01M	149.9	10-22-69	17.2	132.7	5106
		3-26-70	12.0	137.9	5106
22N/01W-10C01M	147.3	10-21-69	12.4	134.9	5106
		3-25-70	3.5	143.8	5106
22N/01W-12A01M	157.0	10-21-69	17.6	139.4	5106
		3-25-70	7.6	149.4	5106
22N/01W-12J01M	153.0	10-21-69	15.1	137.9	5106
		3-25-70	4.7	148.3	5106
22N/01W-20A01M	145.0	10-21-69	18.2	126.8	5106
		3-25-70	16.6	128.4	5106
23N/01E-07D01M	262.0	10-22-69	80.7	181.3	5106
		3-26-70	74.0	188.0	5106
23N/01E-27J01M	297.0	10-22-69	134.9	162.1	5106
		3-26-70	138.3	158.7	5106
23N/01E-28F01M	215.0	10-22-69	56.6	158.4	5106
		3-26-70	44.6	170.4	5106
23N/01E-29H01M	216.0	10-22-69	32.0	184.0	5106
		3-26-70	5.6	210.4	5106
23N/01E-29K01M	209.2	10-22-69	11.8	197.4	5106
		3-26-70	5.7	203.5	5106
23N/01E-29P01M	203.0	10-24-69	35.0	168.0	5050
		11-20-69	35.8	167.2	5050
		12-22-69	35.4	167.6	5050
		1-27-70	14.0	189.0	5050
		2-25-70	13.3	189.7	5050
		3-19-70	13.4	189.6	5050
		4-24-70	14.4	188.6	5050
		5-21-70	22.7	180.3	5050
		6-23-70	23.8	179.2	5050
		7-23-70	30.0	173.0	5050
		8-26-70	35.1	167.9	5050
		9-25-70	30.5	172.5	5050
23N/01E-33Q01M	218.0	10-22-69	56.2	161.8	5106
		3-26-70	53.3	164.7	5106
23N/01W-09E01M	181.0	10-22-69	29.5	151.5	5106
		3-26-70	17.6	163.4	5106
23N/01W-14R01M	189.0	10-24-69	28.7	160.3	5050
		11-20-69	27.7	161.3	5050
		12-22-69	27.3	161.7	5050
		1-27-70	24.8	164.2	5050
		2-25-70	23.5	165.5	5050
		3-19-70	22.7	166.3	5050
		4-24-70	25.1	163.9	5050
		5-21-70	26.0	163.0	5050
		6-23-70	27.8	161.2	5050
		7-23-70	29.7	159.3	5050
		8-26-70	31.4	157.6	5050
		9-25-70	30.8	158.2	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
BUTTE COUNTY 5-21.03 (Continued)					
23N/01W-18Q01M	164.9	10-22-69	17.5	147.4	5106
		3-26-70	8.4	156.5	5106
23N/01W-22C02M	170.0	10-22-69	18.0	152.0	5106
		3-25-70	8.6	161.4	5106
23N/01W-27K01M	162.4	10-22-69	13.4	149.0	5106
		3-26-70	4.8	157.6	5106
23N/01W-33A01M	153.0	10-22-69	13.0	140.0	5106
		3-26-70	3.9	149.1	5106
23N/01W-36P01M	162.0	10-22-69	17.4	144.6	5106
		3-25-70	6.8	155.2	5106
23N/02W-13A01M	166.8	10-22-69	16.6	150.2	5106
		3-25-70	8.8	158.0	5106
23N/02W-23K02M	160.9	10-22-69	(1)		5106
		3-25-70	12.0	148.9	5106
23N/02W-25C01M	155.0	10-22-69	20.2	134.8	5106
		3-25-70	13.2	141.8	5106
COLUSA COUNTY 5-21.04					
13N/01E-11A01M	31.8	10-22-69	7.0	24.8	5050
		3-10-70	3.4	28.4	5050
13N/01E-32Q01M	23.0	10-22-69	9.0	14.0	5050
		11-19-69	9.0	14.0	5050
		12-17-69	9.2	13.8	5050
		1-28-70	(9)		5050
		2-24-70	6.2	16.8	5050
		3-18-70	5.8	17.2	5050
		4-22-70	6.7	16.3	5050
		5-19-70	7.1	15.9	5050
		6-17-70	8.1	14.9	5050
		7-28-70	8.7	14.3	5050
		8-24-70	9.0	14.0	5050
		9-18-70	8.8	14.2	5050
13N/01W-08M01M	75.0	10-09-69	69.9	5.1	5001
		3-17-70	49.5	25.5	5001
13N/01W-08Q02M	56.0	10-09-69	52.9	3.1	5001
		3-17-70	29.3	26.7	5001
13N/01W-15N03M	43.0	10-09-69	39.8	3.2	5001
		3-17-70	22.6	20.4	5001
13N/01W-16N03M	56.0	10-09-69	52.2	3.8	5001
		3-17-70	34.1	21.9	5001
13N/01W-22P02M	58.0	10-09-69	54.2	3.8	5001
		3-17-70	37.3	20.7	5001
13N/01W-23F02M	40.0	10-09-69	41.2	-1.2	5001
		3-17-70	18.1	21.9	5001
13N/01W-28E02M	91.0	10-09-69	100.4	-9.4	5001
		3-17-70	74.4	16.6	5001
13N/01W-34P01M	75.3	10-09-69	60.2	15.1	5001
		3-16-70	59.5	15.8	5001
13N/01W-36N01M	48.0	10-09-69	49.5	-1.5	5001
		3-16-70	27.3	20.7	5001
13N/02W-04G01M	187.0	10-22-69	128.5	58.5	5050
		11-19-69	122.7	64.3	5050
		12-17-69	120.2	66.8	5050
		1-28-70	115.9	71.1	5050
		2-24-70	115.1	71.9	5050
		3-18-70	113.1	73.9	5050
		4-23-70	114.7	72.3	5050
		5-20-70	121.3	65.7	5050
		6-23-70	127.0	60.0	5050
		7-22-70	127.9	59.1	5050
		8-25-70	127.3	59.7	5050
		9-24-70	124.3	62.7	5050

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
COLUSA COUNTY 5-21.04 (Continued)					
13N/02W-04G03M	187.0	10-22-69	124.9	62.1	5050
		11-19-69	119.2	67.8	5050
		12-17-69	118.2	68.8	5050
		1-28-70	112.8	74.2	5050
		2-24-70	111.1	75.9	5050
		3-18-70	110.0	77.0	5050
		4-23-70	111.4	75.6	5050
		5-20-70	118.2	68.8	5050
		6-23-70	121.4	65.6	5050
		7-22-70	121.6	65.4	5050
		8-25-70	120.9	66.1	5050
		9-24-70	118.5	68.5	5050
13N/02W-05H03M	210.0	10-10-69	197.3	12.7	5001
		3-16-70	170.6	39.4	5001
13N/02W-11M01M	185.0	10-10-69	126.7	58.3	5001
		3-16-70	117.7	67.3	5001
13N/02W-12L01M	133.0	10-13-69	127.7	5.3	5001
		3-17-70	102.9	30.1	5001
13N/02W-13R01M	142.0	10-13-69	137.5	4.5	5001
		3-17-70	113.3	28.7	5001
13N/02W-21N01M	357.0	10-13-69	(8)		5001
		3-16-70	291.9	65.1	5001
13N/02W-22H01M	245.0	10-10-69	142.2	102.8	5001
		3-16-70	140.7	104.3	5001
13N/02W-25F01M	189.0	10-10-69	157.1	31.9	5001
		3-16-70	123.5	65.5	5001
14N/01E-33R01M	32.1	10-22-69	9.5	22.6	5050
		11-19-69	9.7	22.4	5050
		12-17-69	9.8	22.3	5050
		1-28-70	(9)		5050
		2-24-70	5.9	26.2	5050
		3-18-70	5.9	26.2	5050
		4-23-70	8.0	24.1	5050
		5-20-70	9.8	22.3	5050
		6-23-70	11.7	20.4	5050
		7-22-70	11.1	21.0	5050
		8-25-70	11.2	20.9	5050
		9-24-70	10.2	21.9	5050
14N/01E-34R01M	32.2	10-22-69	7.4	24.8	5050
		3-10-70	3.9	28.3	5050
14N/01W-03L02M	39.0	10-22-69	26.1	12.9	5050
		3-10-70	6.7	32.3	5050
14N/01W-04K03M	35.0	10-22-69	8.7	26.3	5050
		3-10-70	3.5	31.5	5050
14N/01W-12A01M	36.0	10-22-69	12.2	23.8	5050
		3-10-70	4.6	31.4	5050
14N/01W-32R01M	32.0	10-09-69	11.2	20.8	5001
		3-17-70	7.6	24.4	5001
14N/02W-04B01M	79.0	10-09-69	19.0	60.0	5001
		3-17-70	15.5	63.5	5001
14N/02W-13N01M	60.0	10-09-69	(1)		5001
		3-17-70	22.9	37.1	5001
14N/02W-16N02M	118.0	10-22-69	59.8	58.2	5050
		11-19-69	57.5	60.5	5050
		12-17-69	56.6	61.4	5050
		1-28-70	52.8	65.2	5050
		2-24-70	52.7	65.3	5050
		3-18-70	52.3	65.7	5050
		4-23-70	53.5	64.5	5050
		5-20-70	55.0	63.0	5050
		6-23-70	57.2	60.8	5050
		7-22-70	58.6	59.4	5050
		8-25-70	60.0	58.0	5050
		9-24-70	62.3	55.7	5050
14N/02W-18P01M	145.0	10-10-69	138.6	6.4	5001
		3-16-70	92.1	52.9	5001

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
COLUSA COUNTY 5-21.04 (Continued)					
14N/02W-18Q01M	156.0	10-15-69	108.7	47.3	5001
		3-10-70	(0)		5001
14N/02W-22P01M	112.0	10-21-69	95.6	16.4	5050
		3-10-70	63.7	48.3	5050
14N/02W-23P01M	89.0	10-09-69	61.0	28.0	5001
		3-17-70	45.5	43.5	5001
14N/02W-29J01M	160.0	10-21-69	101.2	58.8	5050
		3-10-70	92.5	67.5	5050
14N/02W-31N02M	283.0	10-13-69	280.5	2.5	5001
		3-16-70	239.2	43.8	5001
14N/02W-34N01M	159.1	10-10-69	93.7	65.4	5001
		3-16-70	84.6	74.5	5001
14N/02W-36D01M	94.0	10-09-69	78.5	15.5	5001
		3-17-70	60.0	34.0	5001
14N/02W-36N02M	110.5	10-09-69	87.7	22.8	5001
		3-17-70	82.5	28.0	5001
14N/03W-01K01M	122.0	10-27-69	48.6	73.4	5050
		3-10-70	43.6	78.4	5050
14N/03W-11A01M	136.0	10-22-69	69.5	66.5	5050
		3-18-70	57.8	78.2	5050
14N/03W-11G01M	140.0	10-22-69	77.0	63.0	5050
		3-18-70	68.2	71.8	5050
14N/03W-11H01M	135.0	10-22-69	70.7	64.3	5050
		3-18-70	61.1	73.9	5050
14N/03W-12F02M	123.0	10-10-69	57.5	65.5	5001
		3-16-70	46.3	76.7	5001
14N/03W-14Q02M	171.0	10-22-69	154.6	16.4	5050
		3-10-70	132.9	38.1	5050
14N/03W-24C01M	170.0	10-10-69	111.7	58.3	5001
		3-16-70	105.0	65.0	5001
14N/03W-36B01M	275.0	10-10-69	112.0	163.0	5001
		3-27-70	108.8	166.2	5001
15N/01W-27E02M	45.7	10-15-69	29.0	16.7	5050
		3-27-70	11.2	34.5	5050
		9-30-70	(0)		5050
15N/02W-13H01M	39.0	10-22-69	5.2	33.8	5050
		3-10-70	0.6	38.4	5050
15N/02W-20A01M	63.1	10-22-69	1.6	61.5	5050
		3-10-70	1.1	62.0	5050
15N/03W-18J01M	118.5	10-10-69	8.0	110.5	5001
		3-17-70	5.2	113.3	5001
15N/03W-27G01M	111.4	10-10-69	8.5	102.9	5001
		3-17-70	14.4	97.0	5001
15N/03W-32B01M	150.0	10-10-69	28.4	121.6	5001
		3-17-70	27.4	122.6	5001
15N/03W-33N02M	164.0	10-23-69	61.2	102.8	5050
		11-19-69	59.6	104.4	5050
		12-17-69	58.4	105.6	5050
		1-28-70	57.5	106.5	5050
		2-24-70	56.5	107.5	5050
		3-18-70	55.9	108.1	5050
		4-23-70	66.6	97.4	5050
		5-20-70	(1)		5050
		6-23-70	60.5	103.5	5050
		7-22-70	75.6	88.4	5050
		8-25-70	(1)		5050
		9-24-70	75.2	88.8	5050
15N/04W-14J01M	155.7	10-10-69	15.8	139.9	5001
		3-17-70	10.5	145.2	5001
16N/01W-20F01M	59.0	10-20-69	21.8	37.2	5050
		3-11-70	7.3	51.7	5050
COLUSA COUNTY 5-21.04 (Continued)					
16N/02W-09R01M	50.0	10-20-69	8.9	41.1	5050
		3-11-70	4.5	45.5	5050
16N/02W-24N01M	56.0	10-20-69	15.2	40.8	5050
		3-11-70	17.5	38.5	5050
16N/02W-25B02M	53.0	10-23-69	13.8	39.2	5050
		11-19-69	14.1	38.9	5050
		12-17-69	11.6	41.4	5050
		1-28-70	8.5	44.5	5050
		2-24-70	7.2	45.8	5050
		3-18-70	7.6	45.4	5050
		4-23-70	12.2	40.8	5050
		5-20-70	13.7	39.3	5050
		6-23-70	15.7	37.3	5050
		7-22-70	16.9	36.1	5050
		8-25-70	17.8	35.2	5050
		9-24-70	16.4	36.6	5050
16N/02W-26L01M	47.0	10-20-69	5.9	41.1	5050
		3-10-70	6.5	40.5	5050
16N/03W-01A01M	62.8	10-20-69	3.1	59.7	5050
		3-11-70	3.0	59.8	5050
16N/03W-13E02M	63.0	10-20-69	2.2	60.8	5050
		3-11-70	2.0	61.0	5050
16N/03W-20P01M	91.0	10-22-69	6.7	84.3	5050
		11-19-69	7.6	83.4	5050
		12-17-69	7.0	84.0	5050
		1-28-70	3.5	87.5	5050
		2-24-70	5.8	85.2	5050
		3-18-70	6.8	84.2	5050
		4-23-70	6.7	84.3	5050
		5-20-70	3.4	87.6	5050
		6-23-70	3.7	87.3	5050
		7-22-70	3.2	87.8	5050
		8-25-70	3.0	88.0	5050
		9-24-70	6.0	85.0	5050
16N/03W-35N02M	73.0	10-22-69	10.6	62.4	5050
		3-10-70	5.0	68.0	5050
16N/04W-11A01M	139.5	10-22-69	14.3	125.2	5050
		3-18-70	13.5	126.0	5050
16N/04W-23E01M	148.0	10-22-69	5.6	142.4	5050
		3-18-70	(9)		5050
16N/04W-35J01M	125.0	10-22-69	7.0	118.0	5050
		3-10-70	(0)		5050
17N/01W-06R01M	70.0	10-20-69	17.7	52.3	5050
		3-11-70	8.6	61.4	5050
17N/02W-30F01M	60.0	10-20-69	7.1	52.9	5050
		3-11-70	5.1	54.9	5050
17N/02W-34R02M	60.0	10-20-69	14.4	45.6	5050
		3-11-70	9.8	50.2	5050
17N/03W-10C01M	94.2	10-20-69	6.5	87.7	5050
		3-11-70	6.9	87.3	5050
17N/03W-18H01M	125.0	10-20-69	(8)		5050
		3-11-70	12.2	112.8	5050
17N/03W-29B01M	115.0	10-20-69	8.3	106.7	5050
		3-11-70	9.3	105.7	5050
17N/03W-31N01M	121.5	10-20-69	6.6	114.9	5050
		3-11-70	4.7	116.8	5050
17N/03W-33N01M	101.0	10-20-69	6.9	94.1	5050
		3-18-70	7.5	93.5	5050
17N/04W-25G01M	127.0	10-20-69	15.1	111.9	5050
		3-18-70	12.4	114.6	5050
17N/04W-34G01M	175.0	10-20-69	11.5	163.5	5050
		3-11-70	4.5	170.5	5050
18N/01W-32P01M	76.0	10-20-69	18.2	57.8	5050
		3-11-70	10.2	65.8	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
COLUSA COUNTY 5-21.04 (Continued)					
18N/01W-35K01M	60.0	10-20-69	4.0	56.0	5050
		3-11-70	2.7	57.3	5050
18N/02W-15N01M	69.7	10-20-69	4.0	65.7	5050
		3-11-70	1.6	68.1	5050
18N/02W-19A01M	78.1	10-20-69	4.1	74.0	5050
		3-11-70	3.2	74.9	5050
18N/02W-36B01M	73.0	10-20-69	9.6	63.4	5050
		3-11-70	4.6	68.4	5050
SUTTER COUNTY 5-21.05					
10N/04E-02K01M	25.0	10-10-69	35.5	-10.5	5050
		10-11-69	36.0	-11.0	5102
		3-19-70	30.6	-5.6	5050
		3-20-70	30.8	-5.8	5102
10N/04E-12A01M	43.1	10-11-69	64.9	-21.8	5102
		3-20-70	57.3	-14.2	5102
11N/03E-01D01M	25.6	10-11-69	8.3	17.3	5102
		3-20-70	4.4	21.2	5102
11N/03E-03C02M	26.4	10-11-69	10.1	16.3	5102
		3-20-70	3.1	23.3	5102
11N/03E-08N01M	18.0	3-24-70	2.7	15.3	5050
11N/03E-10N01M	28.5	10-11-69	13.6	14.9	5102
		3-20-70	5.5	23.0	5102
11N/03E-15C01M	28.7	10-11-69	13.4	15.3	5102
		3-20-70	5.6	23.1	5102
11N/03E-20H03M	27.0	10-14-69	12.5	14.5	5102
		3-25-70	4.0	23.0	5102
11N/03E-22H01M	27.0	10-11-69	18.0	9.0	5102
		3-20-70	8.8	18.2	5102
11N/04E-01M02M	45.5	10-11-69	33.4	12.1	5050
		3-19-70	28.1	17.4	5050
11N/04E-01M03M	46.3	10-20-69	29.0	17.3	5102
		3-20-70	29.5	16.8	5102
11N/04E-03P02M	35.0	10-11-69	27.7	7.3	5102
		3-20-70	18.3	16.7	5102
11N/04E-05B02M	26.8	10-11-69	6.0	20.8	5401
		3-21-70	2.0	24.8	5401
11N/04E-06B01M	23.9	10-09-69	6.2	17.7	5050
		10-11-69	7.5	16.4	5102
		3-19-70	2.0	21.9	5050
		3-20-70	2.1	21.8	5102
11N/04E-09D02M	28.0	10-09-69	13.4	14.6	5050
		3-19-70	6.0	22.0	5050
11N/04E-11C02M	41.9	10-20-69	33.6	8.3	5102
		3-20-70	29.8	12.1	5102
11N/04E-13D01M	47.4	10-11-69	(1)		5102
		3-20-70	48.7	-1.3	5102
11N/04E-13R01M	50.0	10-11-69	(1)		5401
		3-21-70	(2)		5401
11N/04E-15C01M	30.9	10-11-69	31.5	-0.6	5102
		3-20-70	20.4	10.5	5102
11N/04E-15Q01M	33.1	10-11-69	(4)		5401
11N/04E-19E02M	29.0	10-11-69	8.4	20.6	5102
		3-20-70	9.5	19.5	5102
11N/04E-23J01M	41.0	10-11-69	69.9	-28.9	5102
		3-20-70	62.0	-21.0	5102
11N/04E-24R01M	47.0	10-09-69	74.8	-27.8	5401
		3-20-70	65.3	-18.3	5401

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SUTTER COUNTY 5-21.05					
11N/04E-33J01M	25.6	10-11-69	17.2	8.4	5102
		3-20-70	16.5	9.1	5102
11N/04E-34N01M	25.0	10-10-69	17.0	8.0	5050
		3-19-70	15.3	9.7	5050
11N/04E-35J01M	39.0	10-11-69	70.8	-31.8	5102
		3-20-70	61.5	-22.5	5102
12N/01E-01A01M	26.9	10-11-69	6.4	20.5	5102
		3-23-70	5.1	21.8	5102
12N/02E-11P02M	20.0	10-10-69	5.7	14.3	5102
		3-25-70	4.1	15.9	5102
12N/02E-20P01M	25.0	10-10-69	10.7	14.3	5102
		3-23-70	5.7	19.3	5102
12N/02E-23K01M	20.0	10-09-69	4.7	15.3	5050
		10-10-69	5.4	14.6	5102
		3-23-70	2.5	17.5	5102
		3-24-70	3.4	16.6	5050
12N/03E-12C01M	29.5	10-20-69	10.9	18.6	5102
		3-27-70	6.2	23.3	5102
12N/03E-23N01M	30.0	10-11-69	(1)		5102
		3-20-70	2.9	27.1	5102
12N/03E-24A01M	24.5	10-11-69	13.7	10.8	5102
		3-20-70	2.1	22.4	5102
12N/03E-24Q01M	30.0	10-11-69	11.0	19.0	5102
		3-20-70	4.8	25.2	5102
12N/03E-30H01M	18.8	10-14-69	4.1	14.7	5102
		3-25-70	2.6	16.2	5102
12N/04E-02B01M	56.0	10-11-69	8.2	47.8	5401
		3-19-70	8.7	47.3	5401
12N/04E-03R01M	52.0	10-20-69	16.8	35.2	5102
		3-19-70	10.6	41.4	5102
12N/04E-05R04M	41.0	10-11-69	23.6	17.4	5401
		3-21-70	12.0	29.0	5401
12N/04E-08D03M	34.0	10-11-69	19.6	14.4	5401
		3-21-70	6.0	28.0	5401
12N/04E-10D02M	48.0	10-11-69	13.0	35.0	5401
		3-21-70	7.0	41.0	5401
12N/04E-13C01M	50.7	10-16-69	19.0	31.7	5102
		3-27-70	13.2	37.5	5102
12N/04E-14P01M	41.0	10-16-69	5.5	35.5	5102
		3-27-70	2.9	38.1	5102
12N/04E-15M01M	41.0	10-11-69	7.0	34.0	5401
		3-21-70	3.2	37.8	5401
12N/04E-16A04M	40.0	10-11-69	11.2	28.8	5401
		3-21-70	6.6	33.4	5401
12N/04E-17D01M	32.0	10-11-69	14.7	17.3	5401
		3-21-70	5.3	26.7	5401
12N/04E-17J01M	32.0	10-09-69	9.5	22.5	5050
		10-11-69	9.6	22.4	5102
		3-19-70	3.3	28.7	5050
		3-20-70	3.5	28.5	5102
12N/04E-18D01M	31.4	10-11-69	17.0	14.4	5102
		3-20-70	12.9	18.5	5102
12N/04E-20C01M	32.0	10-11-69	10.8	21.2	5401
		3-21-70	(9)		5401
12N/04E-20P01M	29.0	10-11-69	10.6	18.4	5401
		3-21-70	3.1	25.9	5401
12N/04E-24M02M	52.0	10-16-69	16.6	35.4	5401
		3-19-70	12.8	39.2	5401

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SUTTER COUNTY 5-21.05 (Continued)					
12N/04E-28H01M	36.0	10-11-69	5.7	30.3	5102
		3-20-70	2.8	33.2	5102
12N/04E-33L01M	31.0	10-11-69	9.1	21.9	5102
		3-19-70	3.2	27.8	5102
12N/04E-34H01M	38.0	10-11-69	9.9	28.1	5401
		3-21-70	5.9	32.1	5401
12N/04E-35H01M	48.4	10-28-69	27.3	21.1	5050
		11-28-69	27.1	21.3	5050
		12-29-69	26.5	21.9	5050
		1-28-70	24.6	23.8	5050
		2-27-70	23.6	24.8	5050
		3-30-70	22.9	25.5	5050
		4-30-70	25.8	22.6	5050
		5-30-70	26.4	22.0	5050
		6-30-70	27.8	20.6	5050
		7-31-70	28.4	20.0	5050
		8-31-70	27.8	20.6	5050
		9-30-70	27.6	20.8	5050
12N/04E-35H02M	48.4	10-11-69	27.5	20.9	5102
		3-20-70	23.1	25.3	5102
12N/04E-36Q01M	48.0	10-20-69	30.5	17.5	5102
		3-20-70	29.7	18.3	5102
13N/01E-01J01M	39.0	10-10-69	10.2	28.8	5102
		3-23-70	2.5	36.5	5102
13N/01E-12J02M	38.0	10-10-69	15.1	22.9	5102
		3-23-70	10.4	27.6	5102
13N/01E-23B01M	35.6	10-10-69	12.3	23.3	5102
		3-23-70	8.6	27.0	5102
13N/02E-04J01M	27.5	10-10-69	(5)		5102
		10-11-69	(0)		5050
13N/02E-23B02M	26.0	3-24-70	4.8	21.2	5050
13N/02E-34M01M	21.0	10-09-69	8.8	12.2	5050
		10-10-69	6.9	14.1	5102
		3-24-70	7.6	13.4	5050
		3-25-70	5.4	15.6	5102
13N/03E-02H01M	42.9	10-20-69	15.1	27.8	5102
		3-19-70	13.0	29.9	5102
13N/03E-04J01M	38.0	3-24-70	5.1	32.9	5050
13N/03E-06K01M	33.7	10-10-69	(4)		5102
13N/03E-08M02M	33.0	10-10-69	5.3	27.7	5102
		3-27-70	4.2	28.8	5102
13N/03E-13D01M	38.8	10-20-69	10.7	28.1	5102
		3-19-70	8.1	30.7	5102
13N/03E-14C02M	36.0	10-20-69	8.6	27.4	5102
		3-19-70	4.9	31.1	5102
13N/03E-16A01M	34.6	10-20-69	8.4	26.2	5102
		3-27-70	3.9	30.7	5102
13N/03E-23K01M	35.0	10-09-69	8.0	27.0	5050
		10-20-69	9.3	25.7	5102
		3-19-70	4.2	30.8	5102
		3-19-70	4.2	30.8	5050
13N/03E-24D01M	36.2	10-20-69	9.3	26.9	5102
		3-19-70	4.0	32.2	5102
13N/03E-32N01M	23.0	3-24-70	4.5	18.5	5050
13N/03E-35K02M	33.0	10-20-69	7.3	25.7	5102
		3-19-70	4.0	29.0	5102
13N/04E-13D01M	62.0	10-16-69	21.3	40.7	5401
		3-21-70	17.1	44.9	5401
13N/04E-13R01M	69.1	10-16-69	25.9	43.2	5102
		3-27-70	28.8	40.3	5102
SUTTER COUNTY 5-21.05 (Continued)					
13N/04E-16N01M	43.4	10-16-69	17.9	25.5	5102
		3-27-70	6.0	37.4	5102
13N/04E-22D01M	50.0	10-16-69	23.2	26.8	5401
		3-21-70	14.3	35.7	5401
13N/04E-22G01M	54.5	10-16-69	29.8	24.7	5102
		3-20-70	25.9	28.6	5102
13N/04E-23A02M	57.0	10-16-69	18.4	38.6	5401
		3-21-70	15.2	41.8	5401
13N/04E-26R01M	59.0	10-14-69	(1)		5102
		3-27-70	25.0	34.0	5102
13N/04E-28R01M	48.0	10-11-69	(1)		5401
		3-21-70	25.6	22.4	5401
13N/04E-29A02M	40.0	10-16-69	18.1	21.9	5401
		3-21-70	5.4	34.6	5401
13N/04E-29F01M	39.0	10-16-69	16.7	22.3	5102
		3-20-70	8.2	30.8	5102
13N/04E-31R01M	35.0	10-11-69	16.7	18.3	5401
		3-21-70	(9)		5401
13N/04E-32G01M	45.0	10-16-69	21.8	23.2	5401
		3-21-70	13.9	31.1	5401
13N/04E-33P01M	47.0	5-11-70	22.4	24.6	5050
13N/04E-36E01M	60.0	10-10-69	27.1	32.9	5050
		10-16-69	26.7	33.3	5102
		3-20-70	21.6	38.4	5050
		3-27-70	22.7	37.3	5102
13N/05E-08E01M	78.0	10-16-69	38.3	39.7	5102
		3-20-70	32.0	46.0	5102
13N/05E-09R01M	83.5	10-16-69	26.1	57.4	5102
		3-19-70	20.2	63.3	5102
13N/05E-17G01M	74.0	10-16-69	(3)		5401
		3-21-70	(3)		5401
13N/05E-17R01M	70.0	10-16-69	27.3	42.7	5102
		3-20-70	(9)		5102
13N/05E-18C01M	69.6	10-16-69	(6)		5401
13N/05E-21R03M	80.0	10-11-69	28.6	51.4	5401
		3-21-70	21.1	58.9	5401
13N/05E-28N01M	80.2	10-16-69	45.9	34.3	5102
		3-27-70	30.9	49.3	5102
13N/05E-30A01M	70.5	10-16-69	24.9	45.6	5102
		3-27-70	26.7	43.8	5102
13N/05E-31K01M	68.0	10-16-69	21.0	47.0	5401
		3-21-70	18.3	49.7	5401
14N/01E-02B01M	36.7	10-10-69	5.4	31.3	5102
		3-23-70	3.9	32.8	5102
14N/01E-08A06M	39.0	10-10-69	5.5	33.5	5102
		3-27-70	(4)		5102
14N/01E-14G01M	37.0	10-09-69	6.8	30.2	5050
		10-10-69	4.8	32.2	5102
		3-23-70	4.4	32.6	5102
		3-24-70	3.1	33.9	5050
14N/01E-24Q01M	37.0	10-10-69	5.9	31.1	5102
		3-23-70	8.2	28.8	5102
14N/02E-14B01M	38.0	10-14-69	5.4	32.6	5102
		3-27-70	3.6	34.4	5102
14N/02E-17A02M	34.0	10-10-69	7.4	26.6	5102
		3-23-70	4.5	29.5	5102
14N/02E-26R01M	33.0	10-14-69	4.5	28.5	5102
		3-27-70	3.3	29.7	5102

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SUTTER COUNTY 5-21.05 (Continued)					
14N/02E-31K01M	31.0	10-10-69	7.1	23.9	5102
		3-23-70	3.6	27.4	5102
14N/03E-05C01M	49.1	10-20-69	28.3	20.8	5102
		3-19-70	20.6	28.5	5102
14N/03E-08N01M	44.9	10-20-69	(0)		5050
14N/03E-10P03M	48.0	3-23-70	24.9	23.1	5050
14N/03E-14E02M	47.0	10-20-69	25.4	21.6	5102
		3-18-70	13.1	33.9	5102
14N/03E-17A03M	46.0	10-09-69	29.8	16.2	5050
		3-24-70	22.7	23.3	5050
14N/03E-18D01M	41.0	10-14-69	8.2	32.8	5102
		3-27-70	3.3	37.7	5102
14N/03E-22B02M	46.6	10-20-69	22.6	24.0	5102
		3-19-70	14.9	31.7	5102
14N/03E-31B01M	38.0	10-14-69	9.3	28.7	5102
		3-27-70	4.0	34.0	5102
14N/03E-33C01M	38.6	3-24-70	5.3	33.3	5050
15N/01E-12A01M	98.0	10-20-69	(9)		5102
		3-23-70	(9)		5102
15N/01E-13A01M	56.0	10-20-69	22.4	33.6	5102
		3-23-70	19.5	36.5	5102
15N/01E-14F01M	51.0	10-20-69	(7)		5102
		3-23-70	11.8	39.2	5102
15N/01E-16R01M	40.5	10-09-69	7.6	32.9	5050
		10-10-69	7.4	33.1	5102
		3-23-70	4.1	36.4	5102
		3-24-70	4.4	36.1	5050
15N/02E-10D02M	71.0	10-20-69	28.7	42.3	5102
		3-23-70	23.2	47.8	5102
15N/02E-22D01M	46.0	10-09-69	7.7	38.3	5050
		3-24-70	7.0	39.0	5050
15N/02E-24B01M	51.0	10-14-69	12.3	38.7	5102
		3-26-70	10.0	41.0	5102
15N/02E-25A01M	48.0	10-20-69	12.0	36.0	5102
		3-26-70	8.5	39.5	5102
15N/02E-28D02M	40.0	10-20-69	6.4	33.6	5102
		3-23-70	5.5	34.5	5102
15N/02E-35D01M	42.5	10-14-69	5.6	36.9	5102
		3-27-70	3.8	38.7	5102
15N/02E-36A01M	44.5	10-14-69	8.9	35.6	5102
		3-27-70	4.7	39.8	5102
15N/03E-05D02M	59.6	10-10-69	17.3	42.3	5102
		3-23-70	7.1	52.5	5102
15N/03E-10G01M	61.0	10-10-69	26.0	35.0	5102
		3-23-70	18.1	42.9	5102
15N/03E-15H04M	59.0	10-10-69	26.2	32.8	5102
		3-23-70	20.0	39.0	5102
15N/03E-17B02M	55.0	3-24-70	19.3	35.7	5050
15N/03E-20R01M	52.7	10-14-69	28.9	23.8	5102
		3-26-70	20.6	32.1	5102
15N/03E-21H02M	51.0	10-09-69	29.2	21.8	5050
		10-20-69	29.7	21.3	5102
		3-19-70	23.3	27.7	5102
		3-23-70	23.3	27.7	5050
15N/03E-26M01M	51.2	10-20-69	24.7	26.5	5102
		3-19-70	16.9	34.3	5102
15N/03E-33N04M	48.0	10-20-69	30.0	18.0	5102
		3-19-70	23.5	24.5	5102
SUTTER COUNTY 5-21.05 (Continued)					
15N/03E-34L01M	52.0	10-20-69	30.9	21.1	5102
		3-19-70	25.8	26.2	5102
15N/01W-25A01M	50.0	10-10-69	7.8	42.2	5102
		3-23-70	(4)		5102
16N/01E-08C01M	58.0	10-10-69	14.0	44.0	5102
		3-23-70	6.9	51.1	5102
16N/01E-18K01M	78.0	10-10-69	37.6	40.4	5102
		3-23-70	16.0	62.0	5102
16N/01E-31H01M	71.0	10-10-69	32.3	38.7	5102
		3-23-70	23.6	47.4	5102
16N/02E-02Q01M	71.0	10-10-69	4.6	66.4	5102
		3-23-70	3.8	67.2	5102
16N/02E-26Q01M	67.0	10-10-69	14.0	53.0	5102
		3-23-70	12.0	55.0	5102
16N/03E-07D02M	73.0	10-10-69	13.0	60.0	5102
		3-23-70	6.2	66.8	5102
16N/03E-21D01M	69.5	10-10-69	9.4	60.1	5102
		3-23-70	5.1	64.4	5102
16N/03E-21D02M	70.0	10-10-69	9.7	60.3	5050
		3-23-70	5.0	65.0	5050
16N/03E-33J02M	65.4	10-10-69	23.8	41.6	5102
		3-23-70	17.2	48.2	5102
17N/01E-25J01M	75.5	10-10-69	41.0	34.5	5102
		3-23-70	23.2	52.3	5102
17N/01E-33G01M	68.0	10-10-69	19.5	48.5	5102
		3-23-70	15.4	52.6	5102
17N/02E-31A01M	86.0	10-10-69	47.5	38.5	5102
		3-23-70	(3)		5102
17N/02E-34A01M	74.6	10-10-69	4.2	70.4	5050
		10-10-69	5.0	69.6	5102
		3-23-70	5.6	69.0	5050
		3-23-70	4.6	70.0	5102
17N/03E-30N01M	77.8	10-10-69	10.3	67.5	5102
		3-23-70	5.1	72.7	5102
17N/03E-33P01M	77.0	10-10-69	8.0	69.0	5102
		3-23-70	6.8	70.2	5102
YUBA COUNTY 5-21.06					
13N/04E-01Q01M	62.0	10-14-69	50.6	11.4	5103
		3-16-70	35.6	26.4	5103
13N/04E-02C01M	65.0	10-14-69	71.8	-6.8	5103
		3-16-70	51.0	14.0	5103
13N/04E-04H01M	56.0	10-14-69	(1)		5103
		3-16-70	43.2	12.8	5103
13N/04E-07E01M	38.7	10-16-69	13.7	25.0	5103
		3-16-70	9.1	29.6	5103
13N/04E-09R01M	49.0	10-14-69	(1)		5103
		3-16-70	30.4	18.6	5103
13N/04E-17P01M	41.1	10-16-69	16.7	24.4	5103
		3-16-70	9.6	31.5	5103
13N/04E-20B02M	41.3	10-10-69	15.9	25.4	5050
		3-20-70	5.6	35.7	5050
13N/05E-04J01M	83.0	10-08-69	(7)		5103
		3-16-70	23.1	59.9	5103
13N/05E-06E01M	62.8	10-14-69	51.2	11.6	5103
		3-16-70	39.8	23.0	5103
13N/05E-08B01M	76.1	10-14-69	28.0	48.1	5103
		3-16-70	21.0	55.1	5103

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
YUBA COUNTY 5-21.06 (Continued)					
14N/03E-12F01M	52.0	10-17-69	27.0	25.0	5103
		3-16-70	18.3	33.7	5103
14N/03E-24B01M	48.2	10-14-69	36.7	11.5	5103
		3-16-70	27.7	20.5	5103
14N/03E-25C02M	48.0	10-14-69	30.5	17.5	5103
		3-16-70	20.1	27.9	5103
14N/03E-36C02M	50.0	10-16-69	18.8	31.2	5103
		3-16-70	16.5	33.5	5103
14N/04E-05J02M	62.0	10-17-69	(1)		5103
		3-26-70	54.5	7.5	5103
14N/04E-07A03M	52.0	10-14-69	DRY		5103
		5-08-70	(0)		5050
14N/04E-11H01M	71.5	10-08-69	(1)		5103
		3-26-70	(1)		5103
14N/04E-13C01M	73.1	10-08-69	(1)		5103
		3-26-70	82.7	-9.6	5103
14N/04E-15C05M	64.0	10-10-69	69.6	-5.6	5050
		10-14-69	71.1	-7.1	5103
		3-16-70	70.8	-6.8	5103
		3-20-70	61.4	2.6	5050
14N/04E-18C01M	51.5	10-14-69	56.0	-4.5	5103
		3-16-70	31.8	19.7	5103
14N/04E-20H01M	42.0	10-16-69	36.8	5.2	5103
		3-16-70	26.8	15.2	5103
14N/04E-23A01M	71.0	10-14-69	91.0	-20.0	5103
		3-27-70	80.4	-9.4	5103
14N/04E-24P01M	69.0	10-14-69	(1)		5103
		3-26-70	89.1	-20.1	5103
14N/04E-28R01M	58.7	10-14-69	53.8	4.9	5103
		3-16-70	48.3	10.4	5103
14N/04E-30F01M	44.0	10-16-69	29.6	14.4	5103
		3-16-70	28.7	15.3	5103
14N/04E-30K01M	45.0	10-16-69	30.0	15.0	5103
		3-16-70	21.3	23.7	5103
14N/04E-30N01M	45.0	10-10-69	25.6	19.4	5050
		3-20-70	18.2	26.8	5050
14N/04E-32M01M	49.0	10-16-69	24.2	24.8	5103
		3-16-70	22.0	27.0	5103
14N/04E-35N01M	62.0	10-16-69	(1)		5103
		3-16-70	54.6	7.4	5103
14N/04E-36G01M	68.8	10-14-69	82.4	-13.6	5103
		3-16-70	67.7	1.1	5103
14N/05E-05A01M	89.2	10-14-69	(3)		5103
		3-26-70	96.9	-7.7	5103
14N/05E-06B01M	77.8	10-14-69	101.0	-23.2	5103
		3-26-70	87.3	-9.5	5103
14N/05E-08R01M	88.9	10-20-69	(1)		5103
		3-26-70	94.6	-5.7	5103
14N/05E-12N01M	121.0	3-20-70	6.5	114.5	5050
14N/05E-13C01M	121.0	3-20-70	21.8	99.2	5050
14N/05E-15C01M	106.0	3-20-70	97.8	8.2	5050
14N/05E-16C02M	98.0	10-20-69	119.5	-21.5	5103
		3-26-70	96.2	1.8	5103
14N/05E-18A01M	86.2	10-08-69	119.2	-33.0	5103
		3-26-70	97.7	-11.5	5103
14N/05E-20D02M	86.0	10-20-69	126.8	-40.8	5103
		3-26-70	94.0	-8.0	5103
YUBA COUNTY 5-21.06 (Continued)					
14N/05E-21R02M	92.5	10-20-69	109.3	-16.8	5103
		3-26-70	86.3	6.2	5103
14N/05E-26F01M	125.0	3-20-70	91.3	33.7	5050
14N/05E-27L02M	92.0	3-26-70	72.3	19.7	5103
14N/05E-30Q01M	77.2	10-14-69	88.2	-11.0	5103
		10-28-69	81.1	-3.9	5050
		11-28-69	78.2	-1.0	5050
		12-29-69	76.1	1.1	5050
		1-28-70	74.3	2.9	5050
		2-27-70	71.8	5.4	5050
		3-24-70	70.5	6.7	5103
		3-30-70	70.3	6.9	5050
		4-30-70	82.7	-5.5	5050
		5-30-70	86.4	-9.2	5050
		6-30-70	93.2	-16.0	5050
		7-31-70	99.1	-21.9	5050
		8-31-70	95.4	-18.2	5050
		9-30-70	92.3	-15.1	5050
14N/05E-32R02M	74.0	10-14-69	57.2	16.8	5103
		3-19-70	(4)		5103
		5-08-70	(4)		5050
14N/05E-34G01M	108.0	3-20-70	68.5	39.5	5050
15N/03E-01D05M	66.0	10-10-69	20.5	45.5	5050
		3-23-70	10.7	55.3	5050
15N/03E-11C02M	60.0	10-17- 9	23.1	36.9	5103
		3-19-70	13.3	46.7	5103
15N/03E-13F01M	56.0	3-23-70	10.3	45.7	5050
15N/03E-25J01M	57.0	10-14-69	20.4	36.6	5103
		3-16-70	14.9	42.1	5103
15N/04E-04R01M	85.4	10-14-69	36.6	48.8	5103
		3-26-70	31.2	54.2	5103
15N/04E-07H01M	69.0	10-17-69	16.2	52.8	5103
		3-19-70	17.3	51.7	5103
15N/04E-13A01M	89.0	3-23-70	53.1	35.9	5050
15N/04E-15A01M	78.5	10-14-69	38.3	40.2	5103
		3-26-70	29.1	49.4	5103
15N/04E-15R01M	81.0	10-14-69	55.2	25.8	5103
		3-26-70	46.2	34.8	5103
15N/04E-16P01M	76.3	10-14-69	40.7	35.6	5103
		3-26-70	37.2	39.1	5103
15N/04E-20E01M	71.0	10-14-69	30.5	40.5	5103
		3-26-70	29.1	41.9	5103
15N/04E-22P01M	72.0	10-14-69	59.9	12.1	5103
		3-26-70	52.7	19.3	5103
15N/04E-23A01M	83.0	10-14-69	72.8	10.2	5103
		3-26-70	74.0	9.0	5103
15N/04E-24A01M	86.3	3-23-70	84.9	1.4	5050
15N/04E-24B01M	85.0	3-23-70	(2)		5050
15N/04E-24H01M	80.0	3-23-70	(2)		5050
15N/04E-24M01M	79.0	3-23-70	71.7	7.3	5050
15N/04E-25L02M	78.0	10-14-69	95.9	-17.9	5103
		3-26-70	85.8	-7.8	5103
15N/04E-26C01M	75.0	10-14-69	81.0	-6.0	5103
		3-26-70	72.7	2.3	5103
15N/04E-27A01M	81.0	10-14-69	72.9	8.1	5103
		3-26-70	68.2	12.8	5103
15N/04E-27J01M	71.0	3-23-70	66.6	4.4	5050
15N/04E-28D01M	77.1	10-14-69	64.9	12.2	5103
		3-26-70	57.7	19.4	5103

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
YUBA COUNTY 5-21.06 (Continued)					
15N/04E-32D01M	64.0	10-10-69	51.9	12.1	5050
		10-17-69	49.6	14.4	5103
		3-19-70	42.7	21.3	5103
		3-23-70	41.7	22.3	5050
15N/04E-33D01M	70.0	10-14-69	DRY		5103
		5-08-70	56.6	13.4	5050
15N/04E-34E01M	65.0	3-23-70	57.7	7.3	5050
15N/04E-35P01M	68.0	10-14-69	76.1	-8.1	5103
		3-26-70	72.5	-4.5	5103
15N/05E-06R01M	105.0	3-23-70	17.8	87.2	5050
15N/05E-19N01M	80.0	3-23-70	91.8	-11.8	5050
15N/05E-29C01M	91.0	3-20-70	108.8	-17.8	5050
15N/05E-30B01M	88.0	10-10-69	103.4	-15.4	5050
		3-23-70	94.4	-6.4	5050
15N/05E-32G01M	90.0	3-20-70	99.3	-9.3	5050
15N/05E-33G01M	108.0	3-20-70	103.2	4.8	5050
16N/03E-01P02M	78.0	10-10-69	24.2	53.8	5050
		10-17-69	26.0	52.0	5103
		3-19-70	15.2	62.8	5103
		3-23-70	12.2	65.8	5050
16N/03E-14B02M	73.2	10-17-69	20.7	52.5	5103
		3-19-70	11.5	61.7	5103
16N/03E-24A01M	69.0	10-17-69	17.1	51.9	5103
		3-19-70	10.3	58.7	5103
16N/03E-26F01M	69.6	10-17-69	15.8	53.8	5103
		3-19-70	12.6	57.0	5103
16N/03E-36G01M	63.5	10-17-69	14.5	49.0	5103
		3-19-70	8.4	55.1	5103
16N/04E-08A01M	91.0	10-17-69	(8)		5103
		3-19-70	31.3	59.7	5103
16N/04E-16A01M	94.2	10-17-69	(2)		5103
		3-19-70	(2)		5103
16N/04E-17R01M	81.0	10-10-69	10.9	70.1	5050
		3-23-70	9.0	72.0	5050
16N/04E-27P02M	86.0	10-17-69	9.1	76.9	5103
		3-19-70	11.7	74.3	5103
16N/04E-28E01M	80.2	10-17-69	9.0	71.2	5103
		3-19-70	9.6	70.6	5103
16N/04E-33N01M	79.6	10-17-69	10.9	68.7	5103
		3-19-70	10.8	68.8	5103
16N/04E-34Q01M	94.6	10-17-69	17.3	77.3	5103
		3-19-70	18.9	75.7	5103
17N/03E-22R01M	85.5	10-17-69	(9)		5103
		3-19-70	18.5	67.0	5103
17N/03E-26A02M	86.6	10-17-69	23.5	63.1	5103
		3-19-70	15.1	71.5	5103
17N/03E-35H02M	82.0	10-17-69	28.3	53.7	5103
		3-19-70	17.6	64.4	5103
17N/04E-27F01M	106.0	10-17-69	53.4	52.6	5103
		3-19-70	41.9	64.1	5103
17N/04E-30R01M	89.0	10-17-69	33.2	55.8	5103
		3-19-70	22.4	66.6	5103
17N/04E-33Q01M	105.0	10-17-69	61.8	43.2	5103
		3-19-70	45.2	59.8	5103
17N/04E-35C01M	121.7	10-17-69	55.2	66.5	5103
		3-19-70	52.5	69.2	5103

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
PLACER COUNTY 5-21.07					
10N/05E-04Q01M	72.2	10-08-69	77.4	-5.2	5107
		3-18-70	73.5	-1.3	5107
10N/05E-05E01M	55.0	10-08-69	78.9	-23.9	5107
		3-18-70	73.0	-18.0	5107
10N/05E-08L02M	51.5	10-08-69	63.7	-12.2	5107
		3-18-70	62.0	-10.5	5107
10N/05E-10J03M	87.0	10-08-69	95.1	-8.1	5107
		3-24-70	80.8	6.2	5107
10N/05E-12D01M	105.0	10-08-69	91.2	13.8	5107
		3-24-70	91.5	13.5	5107
10N/06E-03M01M	136.0	10-08-69	(8)		5107
		3-24-70	(7)		5107
10N/06E-05H01M	141.0	10-08-69	(8)		5107
		10-29-69	117.9	23.1	5050
		11-25-69	116.7	24.3	5050
		12-30-69	116.1	24.9	5050
		1-28-70	115.8	25.2	5050
		2-25-70	115.2	25.8	5050
		3-24-70	(8)		5107
		3-30-70	115.2	25.8	5050
		4-27-70	116.7	24.3	5050
		5-28-70	118.5	22.5	5050
		6-30-70	120.1	20.9	5050
		7-30-70	121.4	19.6	5050
		8-27-70	121.5	19.5	5050
		9-29-70	121.4	19.6	5050
10N/06E-05L01M	134.0	10-08-69	117.2	16.8	5107
		3-24-70	112.0	22.0	5107
10N/06E-07L01M	94.0	10-08-69	80.7	13.3	5107
		3-24-70	64.0	30.0	5107
10N/06E-09D01M	142.0	10-08-69	(3)		5107
		3-24-70	(7)		5107
		5-07-70	104.5	37.5	5050
10N/06E-10C01M	146.4	10-08-69	125.8	20.6	5107
		3-24-70	122.6	23.8	5107
10N/06E-13C01M	188.7	10-08-69	157.6	31.1	5107
		3-24-70	160.2	28.5	5107
10N/06E-17A01M	140.0	10-08-69	122.7	17.3	5107
		3-24-70	(4) 112.7	27.3	5107
10N/07E-07E02M	160.5	10-09-69	124.3	36.2	5107
		3-24-70	114.2	46.3	5107
10N/07E-18J01M	195.0	10-09-69	(8)		5107
		3-20-70	150.2	44.8	5050
11N/05E-03M03M	89.3	10-08-69	83.2	6.1	5107
		10-29-69	77.6	11.7	5050
		11-25-69	77.0	12.3	5050
		12-29-69	76.1	13.2	5050
		1-28-70	75.5	13.8	5050
		2-25-70	74.8	14.5	5050
		3-24-70	74.4	14.9	5107
		3-30-70	74.4	14.9	5050
		4-27-70	75.4	13.9	5050
		5-28-70	76.9	12.4	5050
		6-29-70	77.2	12.1	5050
		7-30-70	79.0	10.3	5050
		8-27-70	79.3	10.0	5050
		9-29-70	78.0	11.3	5050
11N/05E-06H01M	59.0	10-08-69	45.8	13.2	5107
		3-18-70	41.6	17.4	5107
11N/05E-07H01M	63.0	10-08-69	65.1	-2.1	5107
		3-18-70	54.3	8.7	5107
11N/05E-15G01M	74.7	10-08-69	69.2	5.5	5107
		3-24-70	59.6	15.1	5107
11N/05E-16H01M	88.0	10-08-69	83.0	5.0	5107
		3-24-70	79.8	8.2	5107

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
PLACER COUNTY 5-21.07 (Continued)					
11N/05E-17A04M	72.0	10-08-69	75.4	-3.4	5107
		3-24-70	64.7	7.3	5107
11N/05E-18R01M	61.0	10-16-69	(1)		5401
		3-21-70	61.8	-0.8	5401
11N/05E-20C01M	63.0	10-08-69	(1)		5107
		3-18-70	64.8	-1.8	5107
11N/05E-24J01M	106.0	10-06-69	(4)		5050
		3-20-70	(4)		5050
11N/05E-28C01M	70.0	10-08-69	73.6	-3.6	5107
		3-18-70	67.9	2.1	5107
11N/05E-29G02M	64.0	10-08-69	80.6	-16.6	5107
		3-18-70	66.3	-2.3	5107
11N/05E-31D03M	52.0	10-08-69	DRY		5107
		3-18-70	37.9	14.1	5107
11N/05E-32R01M	70.0	10-01-69	81.7	-11.7	5107
		10-29-69	79.8	-9.8	5050
		11-25-69	78.7	-8.7	5050
		12-30-69	77.5	-7.5	5050
		1-28-70	76.7	-6.7	5050
		2-25-70	75.9	-5.9	5050
		3-17-70	75.5	-5.5	5107
		3-31-70	76.1	-6.1	5050
		4-27-70	77.5	-7.5	5050
		5-28-70	80.1	-10.1	5050
		6-30-70	81.4	-11.4	5050
		7-30-70	83.2	-13.2	5050
		8-27-70	84.3	-14.3	5050
		9-29-70	83.3	-13.3	5050
11N/05E-34R03M	97.0	10-08-69	(1)		5107
		3-17-70	87.5	9.5	5107
11N/06E-06B01M	130.2	10-09-69	101.7	28.5	5107
		3-18-70	98.3	31.9	5107
11N/06E-10P01M	125.0	10-09-69	46.9	78.1	5107
		3-24-70	46.8	78.2	5107
11N/06E-11R01M	162.0	10-09-69	17.4	144.6	5107
		3-24-70	15.2	146.8	5107
11N/06E-15C04M	116.0	10-08-69	69.2	46.8	5107
		3-24-70	63.9	52.1	5107
11N/06E-16M02M	112.0	5-08-70	77.1	34.9	5050
11N/06E-17J02M	109.0	10-08-69	(8)		5107
		10-09-69	(0)		5050
11N/06E-18P05M	85.0	10-08-69	59.5	25.5	5107
		3-24-70	55.3	29.7	5107
11N/06E-28N01M	148.0	10-08-69	DRY		5107
		5-07-70	(9)		5050
11N/06E-30F02M	105.0	10-06-69	96.3	8.7	5050
		3-20-70	93.8	11.2	5050
11N/06E-32F02M	125.8	10-08-69	(4)		5107
		5-07-70	105.1	20.7	5050
11N/06E-34D01M	161.5	10-08-69	130.6	30.9	5107
		3-24-70	123.6	37.9	5107
12N/05E-01D02M	97.8	10-09-69	38.5	59.3	5107
		3-17-70	30.8	67.0	5107
12N/05E-01R01M	112.5	10-09-69	53.5	59.0	5107
		3-17-70	38.2	74.3	5107
12N/05E-04F01M	77.0	10-09-69	49.2	27.8	5107
		3-17-70	(9)		5107
12N/05E-06J03M	62.0	10-09-69	(9)		5050
		3-20-70	15.1	46.9	5050
12N/05E-06R01M	69.0	10-09-69	32.1	36.9	5107
		3-17-70	28.4	40.6	5107
PLACER COUNTY 5-21.07 (Continued)					
12N/05E-07H01M	68.5	10-09-69	32.6	35.9	5107
		3-17-70	29.5	39.0	5107
12N/05E-12Q01M	106.0	10-09-69	61.8	44.2	5107
		10-29-69	55.7	50.3	5050
		11-25-69	54.2	51.8	5050
		12-29-69	52.8	53.2	5050
		1-28-70	52.3	53.7	5050
		2-25-70	51.0	55.0	5050
		3-17-70	50.6	55.4	5107
		3-30-70	50.0	56.0	5050
		4-27-70	65.2	40.8	5050
		5-28-70	69.2	36.8	5050
		6-29-70	73.2	32.8	5050
		7-30-70	77.4	28.6	5050
		8-27-70	78.5	27.5	5050
		9-29-70	63.2	42.8	5050
12N/05E-14H01M	100.6	10-09-69	(7)		5107
		5-08-70	66.9	33.7	5050
12N/05E-14R01M	103.4	10-09-69	73.0	30.4	5107
		3-18-70	72.1	31.3	5107
12N/05E-15A01M	89.0	10-09-69	68.7	20.3	5107
		3-17-70	65.3	23.7	5107
12N/05E-17A02M	75.0	10-09-69	56.7	18.3	5107
		3-17-70	48.8	26.2	5107
12N/05E-17D01M	66.5	10-09-69	38.3	28.2	5107
		10-29-69	37.5	29.0	5050
		11-25-69	37.2	29.3	5050
		12-29-69	36.9	29.6	5050
		1-28-70	36.4	30.1	5050
		2-25-70	35.8	30.7	5050
		3-17-70	35.4	31.1	5107
		3-30-70	34.9	31.6	5050
		4-27-70	35.1	31.4	5050
		5-28-70	(4) 36.0	30.5	5050
		6-29-70	36.6	29.9	5050
		7-30-70	36.8	29.7	5050
		8-27-70	37.0	29.5	5050
		9-29-70	35.7	30.8	5050
12N/05E-18R01M	66.0	10-09-69	41.5	24.5	5107
		3-17-70	37.8	28.2	5107
12N/05E-26D01M	90.0	10-09-69	68.2	21.8	5107
		3-18-70	60.8	29.2	5107
12N/05E-26H02M	91.0	10-09-69	64.8	26.2	5107
		3-10-70	59.2	31.8	5107
12N/05E-28C01M	77.0	10-09-69	(7)		5107
		5-08-70	54.9	22.1	5050
12N/05E-29D01M	64.0	10-09-69	39.2	24.8	5107
		3-18-70	(4)		5107
		5-08-70	36.1	27.9	5050
12N/05E-31A01M	59.0	10-09-69	38.3	20.7	5401
		3-21-70	35.8	23.2	5401
12N/05E-33C01M	67.0	10-09-69	51.6	15.4	5107
		3-18-70	48.8	18.2	5107
12N/05E-35E02M	90.2	10-09-69	(1)		5107
		3-18-70	74.1	16.1	5107
12N/06E-06A01M	123.5	10-11-69	(1)		5107
		3-17-70	34.5	89.0	5107
12N/06E-07M01M	109.7	10-10-69	59.8	49.9	5107
		3-18-70	51.0	58.7	5107
12N/06E-11E01M	175.0	10-16-69	(1)		5107
		3-24-70	32.5	142.5	5107
12N/06E-14F01M	180.0	10-16-69	17.7	162.3	5107
		3-24-70	12.0	168.0	5107
12N/06E-16D01M	132.9	10-16-69	62.1	70.8	5107
		3-18-70	63.1	69.8	5107

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
PLACER COUNTY 5-21.07 (Continued)					
12N/06E-18L01M	112.5	10-09-69	49.4	63.1	5107
		3-18-70	(9)		5107
12N/06E-19P01M	114.0	10-06-69	67.1	46.9	5050
		3-20-70	63.1	50.9	5050
12N/06E-20P03M	129.0	10-16-69	(3)		5107
		3-24-70	89.9	39.1	5107
12N/06E-27D01M	139.7	10-16-69	108.3	31.4	5107
		3-24-70	106.3	33.4	5107
12N/06E-27D02M	139.0	10-29-69	102.4	36.6	5050
		11-25-69	101.9	37.1	5050
		12-29-69	101.4	37.6	5050
		1-28-70	101.0	38.0	5050
		2-25-70	100.4	38.6	5050
		3-30-70	99.7	39.3	5050
		4-27-70	99.2	39.8	5050
		5-28-70	98.9	40.1	5050
		6-29-70	98.5	40.5	5050
		7-30-70	98.0	41.0	5050
		8-27-70	97.6	41.4	5050
		9-29-70	97.3	41.7	5050
12N/06E-28M01M	128.5	10-16-69	(1)		5107
		3-24-70	96.8	31.7	5107
12N/06E-30L01M	108.3	10-16-69	(8)		5107
		5-08-70	64.6	43.7	5050
12N/06E-32K01M	117.0	10-09-69	(1)		5107
		3-18-70	83.2	33.8	5107
13N/05E-01K01M	126.0	10-13-69	40.2	85.8	5107
		3-17-70	34.3	91.7	5107
13N/05E-03J01M	95.0	10-13-69	26.2	68.8	5107
		3-16-70	20.7	74.3	5107
13N/05E-10B01M	88.6	10-13-69	27.4	61.2	5107
		10-29-69	24.4	64.2	5050
		11-25-69	24.3	64.3	5050
		12-29-69	24.2	64.4	5050
		1-28-70	21.3	67.3	5050
		2-25-70	19.9	68.7	5050
		3-16-70	19.2	69.4	5107
		3-30-70	18.6	70.0	5050
		4-27-70	24.5	64.1	5050
		5-28-70	22.1	66.5	5050
		6-29-70	26.8	61.8	5050
		7-30-70	29.8	58.8	5050
		8-27-70	28.3	60.3	5050
		9-29-70	25.5	63.1	5050
13N/05E-22C03M	80.0	10-16-69	21.9	58.1	5107
		3-16-70	17.8	62.2	5107
13N/05E-24E02M	92.0	10-16-69	35.7	56.3	5107
		3-16-70	28.7	63.3	5107
13N/05E-24J01M	101.3	10-13-69	47.6	53.7	5107
		3-17-70	(8)		5107
13N/05E-34P01M	87.0	10-09-69	42.5	44.5	5107
		3-17-70	33.0	54.0	5107
13N/05E-34R03M	90.0	10-09-69	44.9	45.1	5107
		3-17-70	32.5	57.5	5107
13N/06E-06A01M	160.0	10-13-69	49.5	110.5	5107
		3-17-70	45.3	114.7	5107
13N/06E-09N02M	164.8	10-13-69	14.4	150.4	5107
		3-17-70	10.7	154.1	5107
13N/06E-19B01M	131.4	10-13-69	54.0	77.4	5107
		3-17-70	(9)		5107
13N/06E-30M01M	107.8	10-13-69	35.8	72.0	5107
		3-17-70	26.9	80.9	5107
13N/06E-33C01M	142.0	10-13-69	(1)		5107
		3-17-70	(4)		5107
		5-08-70	(0)		5050
PLACER COUNTY 5-21.07 (Continued)					
13N/06E-33M01M	147.0	10-13-69	(1)		5107
		3-17-70	29.2	117.8	5107
13N/06E-33M02M	140.5	10-13-69	(1)		5107
		3-17-70	18.7	121.8	5107
SACRAMENTO COUNTY 5-21.08					
5N/05E-01D02M	25.0	10-08-69	59.9	-34.9	5001
		3-23-70	48.7	-23.7	5001
5N/05E-04C01M	13.0	10-29-69	55.4	-42.4	5050
		11-25-69	53.7	-40.7	5050
		12-29-69	52.2	-39.2	5050
		1-28-70	51.6	-38.6	5050
		2-25-70	49.2	-36.2	5050
		3-30-70	47.8	-34.8	5050
		4-27-70	51.7	-38.7	5050
		5-28-70	58.3	-45.3	5050
		6-29-70	56.9	-43.9	5050
		7-30-70	59.3	-46.3	5050
		8-27-70	61.0	-48.0	5050
		9-29-70	60.2	-47.2	5050
5N/05E-06B01M	7.5	10-20-69	30.1	-22.6	5050
		3-24-70	25.5	-18.0	5050
5N/05E-07G01M	8.0	10-09-69	14.4	-6.4	5001
		3-20-70	11.1	-3.1	5001
5N/05E-10Q01M	15.0	10-15-69	40.3	-25.3	4202
		3-15-70	30.7	-15.7	4202
5N/05E-11B02M	21.8	10-08-69	50.6	-28.8	5001
		3-23-70	35.1	-13.3	5001
5N/05E-11N01M	17.9	10-09-69	32.9	-15.0	5001
		3-20-70	23.6	-5.7	5001
5N/05E-12N01M	12.0	10-20-69	(4)		5050
5N/05E-12N02M	14.0	10-20-69	22.9	-8.9	5050
		3-24-70	6.0	8.0	5050
5N/05E-12N03M	14.0	10-20-69	30.4	-16.4	5050
		3-24-70	17.1	-3.1	5050
5N/05E-17A01M	9.6	10-09-69	17.3	-7.7	5001
		3-20-70	17.5	-7.9	5001
5N/05E-22B01M	12.0	10-09-69	15.1	-3.1	5001
		3-20-70	14.4	-2.4	5001
5N/05E-25C01M	17.0	10-09-69	(9)		5001
		3-20-70	(9)		5001
5N/05E-35E01M	10.0	10-09-69	5.6	4.4	5001
		3-20-70	2.3	7.7	5001
5N/06E-02C01M	50.0	10-16-69	89.2	-39.2	4202
		3-15-70	69.1	-19.1	4202
5N/06E-02M01M	51.0	10-10-69	(0)		5001
5N/06E-02M02M	50.0	10-10-69	79.9	-29.9	5001
		3-24-70	73.3	-23.3	5001
5N/06E-04R02M	40.0	10-17-69	67.2	-27.2	5050
		3-26-70	59.4	-19.4	5050
5N/06E-06C01M	25.0	9-16-69	27.5	-2.5	5001
		4-14-70	19.9	5.1	5001
5N/06E-07Q02M	27.0	10-20-69	36.7	-9.7	5050
		3-24-70	28.8	-1.8	5050
5N/06E-08F01M	30.0	10-20-69	48.2	-18.2	5050
		3-24-70	45.5	-15.5	5050
5N/06E-09M02M	36.0	10-20-69	59.1	-23.1	5050
		3-24-70	56.5	-20.5	5050
5N/06E-10A01M	47.3	10-17-69	82.0	-34.7	5050
		3-24-70	(1)		5050
		3-31-70	78.5	-31.2	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SACRAMENTO COUNTY 5-21.08 (Continued)					
5N/06E-10P01M	41.3	10-01-69	87.5	-46.2	5050
		3-16-70	76.9	-35.6	5050
5N/06E-12R01M	64.0	10-10-69	102.6	-38.6	5001
		3-25-70	85.7	-21.7	5001
5N/06E-13R01M	63.5	10-10-69	(1)		5001
		3-25-70	90.9	-27.4	5001
5N/06E-14D01M	52.0	10-15-69	91.3	-39.3	4202
		3-15-70	82.4	-30.4	4202
5N/06E-15C02M	45.0	10-17-69	DRY		5050
		3-24-70	79.1	-34.1	5050
5N/06E-15R02M	41.0	10-10-69	(1)		5001
		3-24-70	82.5	-41.5	5001
5N/06E-17J01M	32.5	10-09-69	72.1	-39.6	5001
		3-20-70	63.5	-31.0	5001
5N/06E-19B01M	20.0	10-09-69	44.1	-24.1	5001
		3-20-70	31.6	-11.6	5001
5N/06E-21J03M	42.0	10-09-69	99.0	-57.0	5001
		3-20-70	79.6	-37.6	5001
5N/06E-26D01M	51.3	10-01-69	89.3	-38.0	5050
		3-16-70	73.9	-22.6	5050
5N/06E-26H01M	55.0	10-14-69	91.6	-36.6	5001
		3-25-70	72.7	-17.7	5001
5N/06E-26K01M	50.0	10-29-69	76.2	-26.2	5050
		11-25-69	73.9	-23.9	5050
		12-29-69	72.6	-22.6	5050
		1-28-70	71.1	-21.1	5050
		2-25-70	68.8	-18.8	5050
		3-30-70	68.5	-18.5	5050
		4-27-70	(1)		5050
		5-28-70	(1) 81.6	-31.6	5050
		6-29-70	85.1	-35.1	5050
		7-30-70	(2) 93.6	-43.6	5050
		8-27-70	91.4	-41.4	5050
		9-29-70	(1) 94.4	-44.4	5050
5N/06E-27C01M	46.0	10-15-69	89.9	-43.9	4202
		3-15-70	75.9	-29.9	4202
5N/06E-29C01M	28.0	10-15-69	71.5	-43.5	4202
		3-15-70	56.9	-28.9	4202
5N/06E-29H01M	32.6	10-09-69	84.4	-51.8	5001
		3-20-70	59.7	-27.1	5001
5N/06E-30E01M	24.0	10-09-69	(1)		5001
		10-15-69	59.8	-35.8	4202
		3-15-70	40.9	-16.9	4202
		3-20-70	39.6	-15.6	5001
5N/06E-31E03M	20.0	10-09-69	35.4	-15.4	5001
		3-20-70	24.2	-4.2	5001
5N/06E-33H01M	38.5	10-09-69	72.1	-33.6	5001
		3-20-70	47.3	-8.8	5001
5N/06E-33J01M	41.0	10-15-69	72.7	-31.7	4202
		3-15-70	45.5	-4.5	4202
5N/06E-35M02M	53.0	10-09-69	54.2	-1.2	5001
		3-20-70	35.7	17.3	5001
5N/07E-06A01M	65.0	10-20-69	86.2	-21.2	5050
		3-24-70	76.4	-11.4	5050
5N/07E-07E02M	60.0	10-10-69	99.0	-39.0	5001
		3-25-70	86.2	-26.2	5001
5N/07E-08Q01M	75.0	10-20-69	98.4	-23.4	5050
		3-24-70	87.6	-12.6	5050
5N/07E-09D01M	73.7	10-10-69	(3)		5001
		3-25-70	90.0	-16.3	5001
5N/07E-12E02M	127.0	10-13-69	134.6	-7.6	5001
		3-26-70	127.5	-0.5	5001
SACRAMENTO COUNTY 5-21.08 (Continued)					
5N/07E-14N01M	91.5	10-10-69	(1)		5001
		3-25-70	(9)		5001
5N/07E-20G01M	76.7	10-10-69	(1)		5001
		3-24-70	93.0	-16.3	5001
5N/07E-23H01M	100.0	10-20-69	110.5	-10.5	5050
		3-24-70	98.2	1.8	5050
5N/07E-26J01M	91.0	10-10-69	111.7	-20.7	5001
		3-25-70	89.4	1.6	5001
5N/07E-28A01M	86.0	10-20-69	105.7	-19.7	5050
		3-24-70	90.2	-4.2	5050
5N/07E-29K01M	71.0	10-13-69	89.8	-18.8	5001
		3-25-70	75.9	-4.9	5001
5N/07E-29K02M	71.0	10-13-69	98.7	-27.7	5001
		3-25-70	79.0	-8.0	5001
5N/07E-30A01M	73.0	10-15-69	99.4	-26.4	4202
		3-15-70	85.2	-12.2	4202
5N/08E-08N01M	173.0	10-10-69	151.8	21.2	5001
		3-26-70	148.0	25.0	5001
6N/04E-24A01M	10.0	10-20-69	30.8	-20.8	5050
		3-24-70	25.9	-15.9	5050
6N/05E-01C01M	39.3	10-29-69	98.7	-59.4	5050
		11-25-69	97.7	-58.4	5050
		12-30-69	96.6	-57.3	5050
		1-28-70	95.6	-56.3	5050
		2-25-70	94.6	-55.3	5050
		3-30-70	93.2	-53.9	5050
		4-27-70	94.6	-55.3	5050
		5-28-70	96.1	-56.8	5050
		6-29-70	98.0	-58.7	5050
		7-30-70	99.8	-60.5	5050
		8-27-70	101.2	-61.9	5050
		9-29-70	101.0	-61.7	5050
6N/05E-01D01M	40.6	10-01-69	84.9	-44.3	5050
		3-16-70	76.7	-36.1	5050
6N/05E-04N01M	19.5	10-08-69	76.9	-57.4	5001
		3-23-70	69.9	-50.4	5001
6N/05E-10B01M	34.5	10-08-69	105.4	-70.9	5001
		3-23-70	100.5	-66.0	5001
6N/05E-10G01M	36.0	10-16-69	105.0	-69.0	4202
		3-15-70	95.5	-59.5	4202
6N/05E-12E01M	39.0	10-08-69	104.0	-65.0	5001
		3-23-70	97.6	-58.6	5001
6N/05E-14J01M	32.5	10-08-69	(1)		5001
		3-23-70	92.8	-60.3	5001
6N/05E-15B01M	26.4	10-08-69	97.3	-70.9	5001
		3-23-70	89.9	-63.5	5001
6N/05E-17F01M	16.0	10-08-69	63.2	-47.2	5001
		3-23-70	61.5	-45.5	5001
6N/05E-20A02M	16.3	10-08-69	80.6	-64.3	5001
		3-23-70	70.5	-54.2	5001
6N/05E-22C02M	23.0	10-08-69	97.8	-74.8	5001
		3-23-70	82.5	-59.5	5001
6N/05E-25B01M	35.2	10-08-69	89.3	-54.1	5001
		3-23-70	76.8	-41.6	5001
6N/05E-28F01M	17.5	10-08-69	81.2	-63.7	5001
		3-23-70	69.5	-52.0	5001
6N/05E-31A01M	14.6	10-08-69	50.2	-35.6	5001
		3-20-70	38.8	-24.2	5001
6N/05E-32J01M	13.0	10-08-69	46.5	-33.5	5001
		3-20-70	51.2	-38.2	5001

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SACRAMENTO COUNTY 5-21.08 (Continued)					
6N/05E-34C02M	23.0	10-08-69	81.8	-58.8	5001
		3-20-70	74.2	-51.2	5001
6N/06E-01G01M	76.5	10-07-69	69.2	7.3	5001
		3-24-70	63.8	12.7	5001
6N/06E-05J02M	55.0	10-06-69	82.8	-27.8	5001
		3-23-70	73.8	-18.8	5001
6N/06E-07A01M	50.0	10-17-69	98.1	-48.1	4202
		3-15-70	(0)		4202
6N/06E-07M01M	42.0	10-08-69	105.1	-63.1	5001
		3-23-70	99.1	-57.1	5001
6N/06E-08M01M	50.0	10-08-69	(1)		5001
		3-23-70	(4)		5001
6N/06E-11J03M	65.0	10-14-69	64.7	0.3	5001
		3-24-70	55.7	9.3	5001
6N/06E-13R01M	62.0	10-13-69	(1)		5001
		3-24-70	72.4	-10.4	5001
6N/06E-16E01M	50.5	10-09-69	(1)		5001
		3-23-70	44.7	5.8	5001
6N/06E-18F01M	43.5	10-08-69	96.0	-52.5	5001
		3-23-70	80.9	-37.4	5001
6N/06E-18G01M	44.9	10-01-69	79.0	-34.1	5050
		3-16-70	67.3	-22.4	5050
6N/06E-20D01M	45.0	10-09-69	(0)		5001
6N/06E-20P01M	39.0	10-09-69	(1)		5001
		3-24-70	40.8	-1.8	5001
6N/06E-22C01M	50.0	10-17-69	49.5	0.5	5050
		3-24-70	42.1	7.9	5050
6N/06E-23C01M	52.0	10-14-69	64.2	-12.2	5001
		3-24-70	64.0	-12.0	5001
6N/06E-24G01M	56.0	10-13-69	72.1	-16.1	5001
		3-24-70	63.2	-7.2	5001
6N/06E-25Q01M	60.0	10-14-69	(8)		5001
		3-24-70	71.9	-11.9	5001
6N/06E-26D02M	47.0	10-17-69	53.9	-6.9	5050
		3-24-70	50.7	-3.7	5050
6N/06E-28C02M	40.0	10-17-69	49.4	-9.4	5050
		3-24-70	38.1	1.9	5050
6N/06E-29K01M	33.0	10-17-69	42.8	-9.8	5050
		3-24-70	29.3	3.7	5050
6N/06E-30N01M	32.0	10-09-69	(4)		5001
		3-23-70	(4)		5001
6N/06E-33J02M	45.8	10-29-69	59.2	-13.4	5050
		11-25-69	58.3	-12.5	5050
		12-29-69	57.9	-12.1	5050
		1-28-70	57.3	-11.5	5050
		2-25-70	56.5	-10.7	5050
		3-30-70	56.6	-10.8	5050
		4-27-70	57.7	-11.9	5050
		5-28-70	59.4	-13.6	5050
		6-29-70	63.2	-17.4	5050
		7-30-70	62.4	-16.6	5050
		8-27-70	61.9	-16.1	5050
		9-29-70	59.1	-13.3	5050
6N/06E-33L01M	35.6	10-01-69	65.6	-30.0	5050
		3-16-70	44.5	-8.9	5050
6N/06E-33Q01M	35.7	10-14-69	(3)		5001
		3-24-70	47.2	-11.5	5001
6N/06E-34P01M	46.9	10-14-69	72.7	-25.8	5001
		3-24-70	63.1	-16.2	5001
6N/07E-04G01M	107.5	10-07-69	(1)		5001
		3-25-70	(3)		5001
SACRAMENTO COUNTY 5-21.08 (Continued)					
6N/07E-06N01M	78.7	10-13-69	77.3	1.4	5001
		3-24-70	71.7	7.0	5001
6N/07E-08R01M	105.0	10-20-69	108.0	-3.0	5050
		3-24-70	102.9	2.1	5050
6N/07E-11A02M	116.0	10-13-69	101.8	14.2	5001
		3-26-70	98.4	17.6	5001
6N/07E-14A01M	110.0	10-13-69	(1)		5001
		3-26-70	97.8	12.2	5001
6N/07E-15K01M	107.0	10-13-69	(1)		5001
		3-25-70	107.5	-0.5	5001
6N/07E-19A01M	71.0	10-20-69	81.7	-10.7	5050
		3-24-70	73.3	-2.3	5050
6N/07E-20P03M	77.0	10-13-69	(1)		5001
		3-24-70	89.2	-12.2	5001
6N/07E-25P02M	98.5	10-13-69	(1)		5001
		3-26-70	98.1	0.4	5001
6N/07E-28E01M	74.5	10-13-69	91.6	-17.1	5001
		10-29-69	86.0	-11.5	5050
		11-25-69	83.9	-9.4	5050
		12-29-69	82.2	-7.7	5050
		1-28-70	(4)		5050
		2-25-70	80.2	-5.7	5050
		3-25-70	81.8	-7.3	5001
		3-30-70	81.5	-7.0	5050
		4-27-70	85.2	-10.7	5050
		5-28-70	88.6	-14.1	5050
		6-29-70	90.6	-16.1	5050
		7-30-70	92.6	-18.1	5050
		8-27-70	91.3	-16.8	5050
		9-29-70 (2)	93.8	-19.3	5050
6N/07E-32P01M	69.0	10-20-69	87.1	-18.1	5050
		3-24-70	78.4	-9.4	5050
6N/07E-34H01M	86.0	10-20-69	91.8	-5.8	5050
		3-24-70	86.8	-0.8	5050
6N/08E-15J01M	214.0	4-13-70	125.5	88.5	5108
6N/08E-21P02M	155.0	10-20-69	130.7	24.3	5050
		3-24-70	129.9	25.1	5050
6N/08E-30B01M	134.3	10-20-69	120.2	14.1	5050
		3-24-70	117.4	16.9	5050
7N/04E-11K01M	17.3	4-06-70	7.6	9.7	5108
7N/05E-01H02M	45.0	10-29-69	85.7	-40.7	5050
		11-25-69	85.0	-40.0	5050
		12-29-69	84.5	-39.5	5050
		1-28-70	84.1	-39.1	5050
		2-25-70	83.6	-38.6	5050
		3-30-70	82.3	-37.3	5050
		4-27-70	83.4	-38.4	5050
		5-28-70	84.1	-39.1	5050
		6-29-70	85.1	-40.1	5050
		7-30-70	86.0	-41.0	5050
		8-27-70	86.7	-41.7	5050
		9-29-70	87.1	-42.1	5050
7N/05E-01J01M	44.0	10-16-69	89.4	-45.4	4202
		3-15-70	85.9	-41.9	4202
7N/05E-04Q01M	21.4	10-03-69	(9)		5050
7N/05E-05K02M	16.0	10-15-69	51.0	-35.0	4202
		3-15-70	(0)		4202
7N/05E-10F01M	27.0	10-14-69	69.8	-42.8	5001
		4-14-70	67.8	-40.8	5001
		7-01-70	(0)		5001
7N/05E-10M01M	26.5	10-01-69	69.1	-42.6	5050
		3-16-70	66.6	-40.1	5050
7N/05E-12R02M	42.5	4-07-70	89.1	-46.6	5108
7N/05E-15H01M	28.0	4-07-70	74.6	-46.6	5108

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SACRAMENTO COUNTY 5-21.08 (Continued)					
7N/05E-18C01M	12.0	4-06-70	22.8	-10.8	5108
7N/05E-24H01M	39.0	10-16-69	92.1	-53.1	4202
		3-15-70	84.5	-45.5	4202
7N/05E-26C01M	28.6	10-01-69	67.9	-39.3	5050
		3-16-70	62.0	-33.4	5050
7N/05E-26P02M	30.0	4-07-70	63.1	-33.1	5108
7N/05E-28E01M	22.5	4-07-70	67.3	-44.8	5108
7N/05E-28P01M	24.0	3-15-70	72.0	-48.0	4202
7N/05E-29D01M	17.0	4-07-70	48.0	-31.0	5108
7N/05E-32K01M	19.5	10-29-69	62.5	-43.0	5050
		11-25-69	62.2	-42.7	5050
		12-29-69	61.8	-42.3	5050
		1-28-70	61.4	-41.9	5050
		2-25-70	60.8	-41.3	5050
		3-30-70	60.6	-41.1	5050
		4-27-70	60.1	-40.6	5050
		5-28-70	60.8	-41.3	5050
		6-29-70	61.6	-42.1	5050
		7-30-70	62.5	-43.0	5050
		8-27-70	63.1	-43.6	5050
		9-29-70	63.6	-44.1	5050
7N/05E-34L01M	29.0	4-07-70	(1)		5108
7N/05E-36A01M	38.5	4-07-70	92.7	-54.2	5108
7N/06E-08H01M	58.5	4-08-70	63.3	-4.8	5108
7N/06E-09J01M	69.0	4-08-70	(6)		5108
7N/06E-10M01M	82.0	10-16-69	107.8	-25.8	4202
		3-15-70	(0)		4202
7N/06E-12A01M	115.0	4-09-70	98.8	16.2	5108
7N/06E-14Q01M	90.0	4-09-70	81.2	8.8	5108
7N/06E-15N01M	64.0	4-08-70	86.0	-22.0	5108
7N/06E-20J01M	57.0	4-08-70	89.5	-32.5	5108
7N/06E-22C02M	60.0	10-16-69	85.8	-25.8	4202
		3-15-70	78.1	-18.1	4202
7N/06E-22R02M	70.0	4-09-70	77.7	-7.7	5108
7N/06E-23P01M	77.0	10-29-69	83.8	-6.8	5050
		11-25-69	81.2	-4.2	5050
		12-29-69	80.2	-3.2	5050
		1-28-70	79.1	-2.1	5050
		2-25-70	78.0	-1.0	5050
		3-30-70	79.1	-2.1	5050
		4-26-70	81.2	-4.2	5050
		5-28-70	84.0	-7.0	5050
		6-29-70	86.3	-9.3	5050
		7-30-70	88.0	-11.0	5050
		8-27-70	88.9	-11.9	5050
		9-29-70	89.7	-12.7	5050
7N/06E-25B01M	84.0	10-07-69	75.7	8.3	5001
		3-24-70	69.5	14.5	5001
7N/06E-28N01M	59.0	10-16-69	96.0	-37.0	4202
		3-15-70	84.7	-25.7	4202
7N/06E-32P01M	50.5	4-09-70	85.2	-34.7	5108
7N/06E-33J01M	63.0	3-31-70	65.0	-2.0	5050
7N/06E-34H01M	70.6	10-06-69	54.3	16.3	5001
		3-23-70	40.3	30.3	5001
7N/06E-35Q01M	62.1	10-07-69	37.7	24.4	5001
		3-24-70	29.3	32.8	5001
7N/06E-35R01M	66.3	10-07-69	34.5	31.8	5001
		3-24-70	34.9	31.4	5001
7N/06E-36P02M	75.0	10-07-69	61.7	13.3	5001
		3-24-70	51.0	24.0	5001

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SACRAMENTO COUNTY 5-21.08 (Continued)					
7N/07E-02C01M	102.5	10-06-69	38.6	63.9	5001
		3-26-70	36.0	66.5	5001
7N/07E-03B01M	100.0	10-06-69	41.8	58.2	5001
		3-26-70	45.1	54.9	5001
7N/07E-04J01M	133.5	10-06-69	(3)		5001
		3-26-70	84.0	49.5	5001
7N/07E-04P01M	174.1	10-06-69	136.9	37.2	5001
		3-26-70	128.0	46.1	5001
7N/07E-07N01M	100.0	10-06-69	DRY		5001
		3-26-70	84.0	16.0	5001
7N/07E-07N02M	100.5	10-06-69	92.0	8.5	5001
		3-26-70	82.1	18.4	5001
7N/07E-10K01M	98.0	10-07-69	52.0	46.0	5001
		3-26-70	48.6	49.4	5001
7N/07E-14L01M	127.6	10-07-69	86.6	41.0	5001
		3-26-70	89.1	38.5	5001
7N/07E-14L02M	126.0	10-07-69	(1)		5001
		3-26-70	84.5	41.5	5001
7N/07E-17G02M	101.5	10-06-69	83.2	18.3	5001
		3-26-70	69.8	31.7	5001
7N/07E-17N01M	81.4	10-06-69	(0)		5001
7N/07E-20C01M	81.0	10-06-69	53.4	27.6	5001
		3-26-70	44.5	36.5	5001
7N/07E-20H01M	80.5	10-06-69	54.0	26.5	5001
		3-26-70	(4)		5001
7N/07E-22E01M	109.6	10-07-69	83.9	25.7	5001
		3-24-70	76.5	33.1	5001
7N/07E-24K01M	131.0	10-07-69	(0)		5001
7N/07E-24K02M	130.0	10-07-69	90.6	39.4	5001
		3-26-70	91.0	39.0	5001
7N/07E-27B01M	107.0	10-07-69	90.0	17.0	5001
		3-24-70	81.8	25.2	5001
7N/07E-27P01M	100.0	10-07-69	81.7	18.3	5001
		3-24-70	78.8	21.2	5001
7N/07E-29B01M	85.0	10-07-69	(0)		5001
7N/07E-29B02M	85.0	10-08-69	70.1	14.9	5001
		3-24-70	39.5	45.5	5001
7N/07E-31F01M	85.1	10-07-69	71.4	13.7	5001
		3-24-70	66.0	19.1	5001
7N/07E-32A01M	75.0	10-07-69	38.9	36.1	5001
		3-24-70	31.0	44.0	5001
7N/07E-34D01M	97.4	10-07-69	82.3	15.1	5001
		3-24-70	78.4	19.0	5001
7N/07E-35K01M	156.0	10-07-69	133.6	22.4	5001
		3-26-70	131.8	24.2	5001
7N/08E-02L01M	198.0	4-10-70	9.2	188.8	5108
7N/08E-06N01M	117.5	10-07-69	31.2	86.3	5001
		3-26-70	(1)		5001
7N/08E-13A01M	260.0	4-13-70	11.8	248.2	5108
7N/08E-16E01M	248.8	10-22-69	138.0	110.8	5050
		3-24-70	DRY		5050
7N/08E-18F01M	140.0	10-22-69	81.2	58.8	5050
		3-24-70	81.7	58.3	5050
7N/08E-26H01M	190.0	4-13-70	16.7	173.3	5108
7N/08E-36B01M	185.0	4-13-70	6.0	179.0	5108

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SACRAMENTO COUNTY 5-21.08 (Continued)					
8N/04E-01G01M	18.3	10-22-69	21.9	-3.6	5050
		3-23-70	15.1	3.2	5050
8N/04E-11P01M	17.0	4-06-70	12.0	5.0	5108
8N/04E-13K01M	23.0	4-06-70	(6)		5108
8N/04E-24M01M	25.0	10-30-69	34.2	-9.2	5050
		11-26-69	34.2	-9.2	5050
		12-30-69	33.4	-8.4	5050
		1-29-70	30.9	-5.9	5050
		2-25-70	30.7	-5.7	5050
		3-30-70	30.5	-5.5	5050
		4-28-70	31.3	-6.3	5050
		5-29-70	32.1	-7.1	5050
		6-30-70	32.5	-7.5	5050
		7-31-70	33.1	-8.1	5050
		8-28-70	33.6	-8.6	5050
		9-28-70	33.8	-8.8	5050
8N/04E-33N01M	7.0	4-06-70	5.2	1.8	5108
8N/04E-36L01M	5.0	4-06-70	21.1	-16.1	5108
8N/05E-02P01M	39.0	4-15-70	29.1	9.9	5108
8N/05E-03B01M	30.0	4-15-70	(4) 36.0	-6.0	5108
8N/05E-06H01M	22.2	10-01-69	24.4	-2.2	5050
		3-16-70	15.8	6.4	5050
8N/05E-07P01M	24.3	10-14-69	29.4	-5.1	5050
		3-16-70	27.4	-3.1	5050
8N/05E-12Q01M	44.5	4-07-70	43.4	1.1	5108
8N/05E-14J01M	45.0	4-07-70	51.6	-6.6	5108
8N/05E-15E01M	37.0	10-29-69	44.9	-7.9	5050
		11-25-69	44.8	-7.8	5050
		12-29-69	44.7	-7.7	5050
		1-28-70	44.3	-7.3	5050
		2-26-70	43.7	-6.7	5050
		3-30-70	43.6	-6.6	5050
		4-27-70	43.3	-6.3	5050
		5-28-70	43.5	-6.5	5050
		6-29-70	43.9	-6.9	5050
		7-30-70	44.3	-7.3	5050
		8-27-70	44.7	-7.7	5050
		9-29-70	45.0	-8.0	5050
8N/05E-18K01M	19.9	10-02-69	28.3	-8.4	5050
		3-16-70	27.4	-7.5	5050
8N/05E-18Q01M	24.7	10-02-69	35.1	-10.4	5050
		3-16-70	34.2	-9.5	5050
8N/05E-21H02M	39.5	4-07-70	54.1	-14.6	5108
8N/05E-24M02M	44.0	4-07-70	(6)		5108
8N/05E-30A01M	27.3	10-02-69	51.7	-24.4	5050
		3-16-70	48.7	-21.4	5050
8N/05E-31E01M	18.0	4-06-70	36.8	-18.8	5108
8N/05E-32R01M	21.7	10-01-69	61.4	-39.7	5050
		3-16-70	53.4	-31.7	5050
8N/05E-33J01M	26.0	10-22-69	66.0	-40.0	5050
		3-24-70	61.8	-35.8	5050
8N/06E-05P01M	58.0	4-15-70	45.0	13.0	5108
8N/06E-06E03M	65.0	10-05-69	69.0	-4.0	4400
		3-05-70	63.0	2.0	4400
8N/06E-06F01M	60.0	10-05-69	66.0	-6.0	4400
		3-05-70	58.0	2.0	4400
8N/06E-08F01M	57.8	10-22-69	49.2	8.6	5050
		3-23-70	46.3	11.5	5050
8N/06E-09Q02M	75.7	4-15-70	61.3	14.4	5108
8N/06E-11B01M	90.1	4-13-70	63.0	27.1	5108
SACRAMENTO COUNTY 5-21.08 (Continued)					
8N/06E-15P01M	72.1	10-29-69	60.0	12.1	5050
		11-25-69	58.9	13.2	5050
		12-29-69	57.7	14.4	5050
		1-28-70	57.5	14.6	5050
		2-25-70	56.6	15.5	5050
		3-30-70	56.6	15.5	5050
		4-15-70	58.2	13.9	5108
		4-27-70	59.5	12.6	5050
		5-28-70	61.2	10.9	5050
		6-29-70	62.7	9.4	5050
		7-30-70	64.6	7.5	5050
		8-27-70	64.5	7.6	5050
		9-29-70	64.1	8.0	5050
8N/06E-20R01M	57.4	4-10-70	64.2	-6.8	5108
8N/06E-21N02M	65.0	10-15-69	75.5	-10.5	4202
		10-22-69	70.7	-5.7	5050
		3-15-70	65.8	-0.8	4202
		3-23-70	66.0	-1.0	5050
8N/06E-25J02M	141.0	10-06-69	119.1	21.9	5050
		3-19-70	118.3	22.7	5050
8N/06E-26K01M	123.0	4-10-70	109.2	13.8	5108
8N/06E-27H02M	93.7	4-10-70	88.0	5.7	5108
8N/06E-27N01M	79.0	4-10-70	75.7	3.3	5108
8N/06E-30C01M	50.0	4-09-70	69.5	-19.5	5108
8N/06E-31F01M	51.0	4-09-70	82.4	-31.4	5108
8N/06E-33N01M	64.7	4-09-70	93.8	-29.1	5108
8N/06E-34R01M	106.4	4-10-70	107.2	-0.8	5108
8N/07E-02N01M	257.6	4-13-70	136.2	121.4	5108
8N/07E-09N01M	189.6	4-13-70	111.5	78.1	5108
8N/07E-14C01M	254.2	4-13-70	146.5	107.7	5108
8N/07E-18E01M	125.5	10-14-69	102.1	23.4	5050
		3-19-70	87.9	37.6	5050
8N/07E-31J01M	115.4	4-10-70	78.6	36.8	5108
8N/07E-33E01M	145.3	4-10-70	95.0	50.3	5108
9N/03E-02D01M	23.0	4-21-70	15.0	8.0	5108
9N/04E-01R01M	19.5	4-21-70	16.1	3.4	5108
9N/04E-08L01M	24.0	4-21-70	16.5	7.5	5108
9N/04E-09B01M	20.0	4-21-70	0.8	19.2	5108
9N/04E-11E01M	9.0	10-06-69	(7)		5050
		3-26-70	5.6	3.4	5050
9N/04E-22E01M	12.0	10-30-69	6.0	6.0	5050
		11-26-69	5.8	6.2	5050
		12-30-69	4.3	7.7	5050
		1-29-70	0.4	11.6	5050
		2-26-70	2.5	9.5	5050
		3-31-70	4.3	7.7	5050
		4-28-70	3.1	8.9	5050
		5-29-70	4.3	7.7	5050
		6-29-70	3.8	8.2	5050
		7-31-70	(1) 9.5	2.5	5050
		8-28-70	6.2	5.8	5050
		9-29-70	6.1	5.9	5050
9N/04E-23R01M	15.0	4-20-70	8.8	6.2	5108
9N/04E-27F01M	24.0	4-20-70	(1)		5108
9N/04E-36D01M	21.6	4-20-70	13.6	8.0	5108
9N/05E-07D01M	20.0	4-21-70	14.7	5.3	5108
9N/05E-08J02M	33.0	10-06-69	39.6	-6.6	5050
		3-19-70	38.6	-5.6	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SACRAMENTO COUNTY 5-21.08 (Continued)					
9N/05E-13G03M	80.0	10-05-69	102.0	-22.0	4400
		3-05-70	92.0	-12.0	4400
9N/05E-13J01M	80.0	3-05-70	85.0	-5.0	4400
9N/05E-13L02M	72.0	10-05-69	85.0	-13.0	4400
		3-05-70	79.0	-7.0	4400
9N/05E-14H03M	64.0	10-02-69	82.7	-18.7	5050
		3-16-70	74.1	-10.1	5050
9N/05E-18R01M	31.0	4-20-70	27.0	4.0	5108
9N/05E-21M01M	34.0	10-30-69	47.2	-13.2	5050
		11-26-69	46.8	-12.8	5050
		12-30-69	45.8	-11.8	5050
		1-29-70	45.5	-11.5	5050
		2-26-70	44.9	-10.9	5050
		3-31-70	44.5	-10.5	5050
		4-28-70	44.6	-10.6	5050
		5-29-70	45.5	-11.5	5050
		6-30-70	46.8	-12.8	5050
		7-31-70	48.2	-14.2	5050
		8-28-70	49.3	-15.3	5050
		9-29-70	50.2	-16.2	5050
9N/05E-22A01M	52.0	10-05-69	74.0	-22.0	4400
		3-05-70	65.0	-13.0	4400
9N/05E-22G02M	51.0	10-01-69	75.0	-24.0	5050
		3-16-70	68.8	-17.8	5050
9N/05E-22L01M	51.0	10-05-69	72.0	-21.0	4400
		3-05-70	63.0	-12.0	4400
9N/05E-23A01M	65.0	3-05-70	83.0	-18.0	4400
9N/05E-23F01M	59.0	3-05-70	75.0	-16.0	4400
9N/05E-23H01M	63.0	3-05-70	77.0	-14.0	4400
9N/05E-23L01M	60.0	3-05-70	75.0	-15.0	4400
9N/05E-23L02M	57.0	3-05-70	81.0	-24.0	4400
9N/05E-24A03M	72.0	10-05-69	92.0	-20.0	4400
		3-05-70	81.0	-9.0	4400
9N/05E-25C01M	68.0	10-05-69	97.0	-29.0	4400
		3-05-70	82.0	-14.0	4400
9N/05E-25E02M	45.0	10-05-69	70.0	-25.0	4400
		3-05-70	64.0	-19.0	4400
9N/05E-26D01M	52.0	3-05-70	72.0	-20.0	4400
9N/05E-26E01M	42.0	10-05-69	67.0	-25.0	4400
		3-05-70	60.0	-18.0	4400
9N/05E-26G02M	58.0	10-05-69	85.0	-27.0	4400
		3-05-70	77.0	-19.0	4400
9N/05E-26Q01M	40.0	10-05-69	62.0	-22.0	4400
		3-05-70	55.0	-15.0	4400
9N/05E-27Q01M	44.0	10-17-69	59.1	-15.1	5050
		3-26-70	54.1	-10.1	5050
9N/05E-28B01M	40.0	4-16-70	(6)		5108
9N/05E-28H01M	37.6	10-02-69	56.0	-18.4	5050
		3-16-70	47.8	-10.2	5050
9N/05E-28K01M	32.9	10-03-69	47.6	-14.7	5050
		3-16-70	40.2	-7.3	5050
9N/05E-28N01M	40.0	10-01-69	43.2	-3.2	5050
		3-16-70	37.1	2.9	5050
9N/05E-29L02M	30.0	4-16-70	32.0	-2.0	5108
9N/05E-30B01M	22.0	4-20-70	21.7	0.3	5108
9N/05E-35Q01M	49.0	10-05-69	62.0	-13.0	4400
		3-05-70	56.0	-7.0	4400
9N/06E-02P01M	160.0	4-17-70	124.5	35.5	5108
SACRAMENTO COUNTY 5-21.08 (Continued)					
9N/06E-05M01M	112.0	4-20-70	101.7	10.3	5108
9N/06E-07N01M	69.0	10-05-69	84.0	-15.0	4400
		3-05-70	73.0	-4.0	4400
9N/06E-09P01M	135.5	4-16-70	115.0	20.5	5108
9N/06E-12Q01M	205.5	4-17-70	28.5	177.0	5108
9N/06E-17G01M	120.0	4-17-70	110.2	9.8	5108
9N/06E-19E01M	78.0	10-05-69	104.0	-26.0	4400
		3-05-70	92.0	-14.0	4400
9N/06E-19K01M	86.0	10-05-69	110.0	-24.0	4400
		3-05-70	95.0	-9.0	4400
9N/06E-19R01M	81.0	3-05-70	90.0	-9.0	4400
9N/06E-20D01M	78.0	10-05-69	89.0	-11.0	4400
		3-05-70	76.0	2.0	4400
9N/06E-20N02M	92.0	10-05-69	89.0	3.0	4400
		3-05-70	79.0	13.0	4400
9N/06E-24K02M	113.0	4-15-70	54.0	59.0	5108
9N/06E-26C01M	96.3	4-17-70	(8)		5108
9N/06E-27D01M	71.0	4-16-70	36.5	34.5	5108
9N/06E-28K01M	113.1	4-16-70	78.1	35.0	5108
9N/06E-30C01M	75.0	3-05-70	77.0	-2.0	4400
9N/06E-30J01M	81.5	10-29-69	80.5	1.0	5050
		11-25-69	78.3	3.2	5050
		12-29-69	76.2	5.3	5050
		1-28-70	75.1	6.4	5050
		2-25-70	74.6	6.9	5050
		3-30-70	75.2	6.3	5050
		4-28-70	76.3	5.2	5050
		5-28-70	80.6	0.9	5050
		6-29-70	83.5	-2.0	5050
		7-30-70	87.3	-5.8	5050
		8-27-70	89.9	-8.4	5050
		9-29-70	87.4	-5.9	5050
9N/06E-30N01M	66.0	3-05-70	76.0	-10.0	4400
9N/06E-30Q01M	82.0	3-05-70	84.0	-2.0	4400
9N/06E-31J01M	71.2	10-05-69	78.0	-6.8	4400
		3-05-70	67.0	4.2	4400
9N/06E-32D02M	90.0	10-05-69	98.0	-8.0	4400
		3-05-70	88.0	2.0	4400
9N/06E-32L01M	52.6	4-16-70	(6)		5108
9N/06E-33E01M	60.0	10-05-69	44.0	16.0	4400
		3-05-70	38.0	22.0	4400
9N/06E-33R01M	73.2	4-15-70	42.0	31.2	5108
9N/06E-34R01M	96.3	10-06-69	64.0	32.3	5050
		3-25-70	61.1	35.2	5050
9N/06E-36J01M	115.4	4-15-70	(9)		5108
9N/07E-07F01M	204.2	4-17-70	150.8	53.4	5108
9N/07E-09A01M	192.0	4-22-70	73.2	118.8	5108
9N/07E-12L01M	290.0	4-15-70	44.1	245.9	5108
9N/07E-16Q01M	144.5	4-15-70	(1)		5108
9N/07E-27Q01M	224.1	4-15-70	28.7	195.4	5108
9N/07E-31G01M	133.3	10-06-69	58.8	74.5	5050
		3-19-70	56.1	77.2	5050
10N/03E-35A01M	18.9	4-21-70	5.3	13.6	5108
10N/04E-13P01M	25.0	4-21-70 (2)	50.8	-25.8	5108

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SACRAMENTO COUNTY 5-21.08 (Continued)					
10N/04E-15F01M	14.0	4-21-70	3.3	10.7	5108
10N/04E-18A01M	23.0	4-21-70	7.2	15.8	5108
10N/04E-19P01M	21.0	4-21-70	6.3	14.7	5108
10N/04E-21B02M	16.0	4-21-70	6.7	9.3	5108
10N/04E-23A01M	15.0	4-21-70	7.0	8.0	5108
10N/04E-24B01M	22.0	4-21-70	(1)		5108
10N/04E-31A01M	15.0	4-21-70	4.2	10.8	5108
10N/04E-34A02M	25.0	10-30-69	12.8	12.2	5050
		11-26-69	13.9	11.1	5050
		12-30-69	13.2	11.8	5050
		1-31-70	9.8	15.2	5050
		2-25-70	10.8	14.2	5050
		3-31-70	11.8	13.2	5050
		4-28-70	13.1	11.9	5050
		5-29-70	9.4	15.6	5050
		6-30-70	8.9	16.1	5050
		7-31-70	8.0	17.0	5050
		8-28-70	6.3	18.7	5050
		9-29-70	9.4	15.6	5050
10N/04E-36B01M	37.0	10-10-69	31.6	5.4	5050
		3-19-70	27.7	9.3	5050
10N/05E-07M03M	34.8	4-22-70	59.6	-24.8	5108
10N/05E-14Q01M	86.0	4-22-70	79.3	6.7	5108
10N/05E-15P01M	67.5	10-29-69	71.8	-4.3	5050
		11-25-69	71.0	-3.5	5050
		12-30-69	70.0	-2.5	5050
		1-28-70	69.4	-1.9	5050
		2-25-70	68.7	-1.2	5050
		3-31-70	68.6	-1.1	5050
		4-22-70	69.3	-1.8	5108
		4-28-70	69.5	-2.0	5050
		5-29-70	70.7	-3.2	5050
		6-30-70	72.0	-4.5	5050
		7-30-70	73.5	-6.0	5050
		8-28-70	(3)		5050
		9-29-70	(3)		5050
10N/05E-17N02M	51.0	4-22-70	57.2	-6.2	5108
10N/05E-25H01M	100.0	10-05-69	115.0	-15.0	4400
		3-05-70	108.0	-8.0	4400
10N/05E-26B02M	81.0	4-22-70	77.9	3.1	5108
10N/05E-30L01M	36.0	4-21-70	(8)		5108
10N/05E-32Q02M	39.0	10-06-69	42.3	-3.3	5050
		3-19-70	39.3	-0.3	5050
10N/05E-34M01M	47.0	4-21-70	53.6	-6.6	5108
10N/05E-36B01M	90.0	10-05-69	102.0	-12.0	4400
		3-05-70	95.0	-5.0	4400
10N/05E-36J01M	105.0	10-05-69	112.0	-7.0	4400
		3-05-70	107.0	-2.0	4400
10N/05E-36K01M	92.0	10-05-69	107.0	-15.0	4400
		3-05-70	99.0	-7.0	4400
10N/05E-36Q02M	86.0	10-05-69	95.0	-9.0	4400
		3-05-70	87.0	-1.0	4400
10N/06E-19K01M	150.5	4-22-70	DRY		5108
10N/06E-21F02M	158.5	4-22-70	138.3	20.2	5108
10N/06E-22C01M	170.0	4-22-70	(2)		5108
10N/06E-22N01M	134.7	10-01-69	84.2	50.5	5050
		3-16-70	83.4	51.3	5050
10N/06E-25N01M	155.0	4-20-70	116.3	38.7	5108
10N/06E-30L01M	115.0	10-05-69	110.0	5.0	4400
		3-05-70	109.0	6.0	4400
SACRAMENTO COUNTY 5-21.08 (Continued)					
10N/06E-31L01M	111.0	10-05-69	116.0	-5.0	4400
		3-05-70	110.0	1.0	4400
10N/06E-33K01M	120.0	10-29-69	106.6	13.4	5050
		11-25-69	104.5	15.5	5050
		12-29-69	102.6	17.4	5050
		1-28-70	101.9	18.1	5050
		2-25-70	101.3	18.7	5050
		3-30-70	103.0	17.0	5050
		4-20-70	105.2	14.8	5108
		4-27-70	106.8	13.2	5050
		5-27-70	110.8	9.2	5050
		6-29-70	113.3	6.7	5050
		7-30-70	117.6	2.4	5050
		8-27-70	117.1	2.9	5050
		9-29-70	114.8	5.2	5050
10N/07E-20D01M	210.0	4-20-70	115.5	94.5	5108
10N/07E 28C01M	210.2	4-20-70	101.4	108.8	5108
10N/07E-29G01M	216.0	4-20-70	108.0	108.0	5108
10N/07E-32N01M	215.0	4-17-70	152.7	62.3	5108
YOLO COUNTY 5-21.09					
6N/03E-12R01M	2.5	11-08-69	5.1	-2.6	5104
		4-11-70	2.3	0.2	5104
6N/03E-15B01M	4.0	11-08-69	4.3	-0.3	5104
		4-11-70	2.9	1.1	5104
6N/03E-23P01M	4.9	11-08-69	5.4	-0.5	5104
		4-11-70	3.1	1.8	5104
7N/03E-04Q01M	19.0	11-07-69	25.3	-6.3	5104
		4-11-70	9.4	9.6	5104
7N/03E-08J01M	17.0	10-17-69	28.2	-11.2	5050
		3-23-70	11.6	5.4	5050
7N/03E-08M01M	19.0	9-29-69	(1)		5001
		3-12-70	27.8	-8.8	5001
7N/03E-17F01M	16.0	10-17-69	23.4	-7.4	5050
		3-23-70	17.9	-1.9	5050
7N/03E-19N01M	21.0	9-29-69	(1)		5001
		3-12-70	26.2	-5.2	5001
7N/03E-30Q01M	17.0	9-29-69	14.2	2.8	5001
		3-12-70	10.3	6.7	5001
8N/01E-01J02M	65.0	11-07-69	34.0	31.0	5104
		3-22-70	28.6	36.4	5104
8N/01E-02B01M	78.0	10-02-69	28.3	49.7	5001
		3-09-70	19.4	58.6	5001
8N/01E-04A01M	97.0	10-02-69	32.4	64.6	5001
		3-09-70	28.4	68.6	5001
8N/01E-04Q02M	95.0	11-07-69	28.1	66.9	5104
		3-22-70	(1)		5104
8N/01E-05A01M	115.0	10-02-69	(1)		5001
		4-07-70	45.0	70.0	5001
8N/01E-07B02M	107.0	10-02-69	(5)		5001
		11-07-69	(5)		5104
		3-09-70	21.8	85.2	5001
		3-22-70	(5)		5104
		5-13-70	25.3	81.7	5050
8N/01E-08M03M	100.0	11-07-69	32.0	68.0	5104
		3-21-70	21.5	78.5	5104
8N/01E-09E01M	97.0	11-07-69	37.2	59.8	5104
		3-21-70	30.3	66.7	5104

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
YOLO COUNTY 5-21.09 (Continued)					
8N/01E-09R01M	90.5	10-30-69	35.0	55.5	5050
		11-26-69	33.4	57.1	5050
		12-30-69	32.6	57.9	5050
		1-29-70	29.1	61.4	5050
		2-26-70	28.0	62.5	5050
		3-31-70	28.8	61.7	5050
		4-28-70	40.0	50.5	5050
		5-29-70	50.1	40.4	5050
		6-30-70	55.3	35.2	5050
		7-31-70	(2) 61.2	29.3	5050
		8-28-70	49.0	41.5	5050
		9-30-70	42.9	47.6	5050
8N/01E-10M01M	91.3	11-07-69	28.5	52.8	5104
		3-21-70	28.3	63.0	5104
8N/01E-11F01M	78.0	11-07-69	33.9	44.1	5104
		3-22-70	29.7	48.3	5104
8N/01E-12D01M	70.0	11-07-69	29.3	40.7	5104
		3-22-70	27.6	42.4	5104
8N/01E-12R03M	64.0	10-02-69	41.6	22.4	5001
		3-09-70	34.5	29.5	5001
8N/01E-14P01M	79.0	11-07-69	40.4	38.6	5104
		3-21-70	32.1	46.9	5104
8N/01E-15B01M	85.0	10-30-69	25.8	59.2	5050
		11-07-69	23.7	61.3	5104
		11-26-69	26.3	58.7	5050
		12-30-69	26.8	58.2	5050
		1-21-70	25.6	59.4	5050
		2-26-70	24.8	60.2	5050
		3-31-70	24.4	60.6	5050
		4-28-70	23.8	61.2	5050
		5-29-70	21.8	63.2	5050
		6-30-70	20.0	65.0	5050
		7-31-70	20.4	64.6	5050
		8-28-70	22.3	62.7	5050
		9-30-70	24.3	60.7	5050
8N/01E-16B01M	93.5	10-03-69	49.7	43.8	5001
		3-10-70	27.4	66.1	5001
8N/01E-16D01M	94.0	11-07-69	(9)		5104
		3-21-70	27.4	66.6	5104
8N/01E-17D01M	102.0	11-07-69	30.3	71.7	5104
		3-21-70	26.6	75.4	5104
8N/01E-17F01M	101.0	10-08-69	37.3	63.7	5001
		3-17-70	28.1	72.9	5001
8N/01E-18J02M	104.0	11-07-69	36.3	67.7	5104
		3-21-70	26.5	77.5	5104
8N/02E-01K01M	34.0	10-01-69	65.9	-31.9	5001
		3-09-70	27.5	6.5	5001
8N/02E-02M01M	41.0	10-01-69	67.9	-26.9	5001
		3-09-70	32.9	8.1	5001
8N/02E-04E01M	52.0	10-01-69	59.7	-7.7	5001
		2-10-70	26.1	25.9	5001
8N/02E-08R03M	55.0	10-01-69	60.9	-5.9	5001
		3-09-70	36.6	18.4	5001
8N/02E-09A01M	43.0	11-22-69	59.1	-16.1	5104
		3-22-70	36.3	6.7	5104
8N/02E-13B06M	36.5	10-06-69	58.0	-21.5	5001
		3-12-70	28.0	8.5	5001
8N/02E-15M02M	52.7	10-02-69	70.8	-18.1	5001
		3-09-70	47.8	4.9	5001
8N/02E-16M01M	58.0	10-02-69	60.8	-2.8	5001
		3-10-70	41.2	16.8	5001
8N/02E-16N01M	60.0	11-07-69	59.9	0.1	5104
		3-21-70	45.3	14.7	5104
8N/02E-17M01M	59.0	10-02-69	51.0	8.0	5001
		3-10-70	35.9	23.1	5001
YOLO COUNTY 5-21.09 (Continued)					
8N/02E-19B01M	67.0	10-02-69	46.1	20.9	5001
		3-10-70	42.1	24.9	5001
8N/03E-03Q01M	14.0	11-08-69	(9)		5104
		4-11-70	6.6	7.4	5104
8N/03E-04R01M	16.0	11-08-69	18.3	-2.3	5104
		4-11-70	13.4	2.6	5104
8N/03E-07B01M	25.0	11-07-69	(9)		5104
		11-08-69	(0)		5050
8N/03E-07B02M	25.0	11-07-69	37.1	-12.1	5104
		4-11-70	16.2	8.8	5104
8N/03E-07M01M	32.4	10-30-69	38.4	-6.0	5050
		11-26-69	34.4	-2.0	5050
		12-30-69	31.6	0.8	5050
		1-29-70	26.4	6.0	5050
		2-26-70	24.6	7.8	5050
		3-31-70	30.7	1.7	5050
		4-28-70	54.1	-21.7	5050
		5-29-70	67.6	-35.2	5050
		6-30-70	66.6	-34.2	5050
		7-31-70	69.5	-37.1	5050
		8-28-70	67.6	-35.2	5050
		9-30-70	55.8	-23.4	5050
8N/03E-15D01M	14.0	10-17-69	19.9	-5.9	5050
		3-23-70	6.3	7.7	5050
8N/03E-19D01M	37.0	10-06-69	54.4	-17.4	5001
		11-07-69	41.9	-4.9	5104
		3-11-70	26.9	10.1	5001
		4-11-70	28.0	9.0	5104
8N/03E-20R01M	22.0	10-17-69	26.8	-4.8	5050
		3-23-70	(6)		5050
8N/03E-28H01M	20.0	11-07-69	17.4	2.6	5104
		4-11-70	6.3	13.7	5104
8N/03E-31N01M	32.0	10-06-69	62.8	-30.8	5001
		11-07-69	51.1	-19.1	5104
		3-11-70	38.0	-6.0	5001
		4-11-70	44.5	-12.5	5104
8N/03E-32G01M	21.0	10-17-69	24.0	-3.0	5050
		3-23-70	13.4	7.6	5050
8N/03E-32L01M	25.0	10-17-69	38.4	-13.4	5050
		3-23-70	22.5	2.5	5050
8N/01W-02K01M	130.0	11-07-69	27.6	102.4	5104
		3-21-70	25.0	105.0	5104
8N/01W-03D03M	163.0	10-01-69	53.6	109.4	5001
		3-09-70	45.6	117.4	5001
8N/01W-09C01M	163.0	11-07-69	51.7	111.3	5104
		3-21-70	(3)		5104
8N/01W-10A02M	135.0	10-01-69	47.9	87.1	5001
		3-09-70	34.6	100.4	5001
8N/01W-10E01M	139.0	10-01-69	53.3	85.7	5001
		3-09-70	42.0	97.0	5001
8N/01W-11K02M	125.0	11-07-69	38.2	86.8	5104
		3-21-70	34.8	90.2	5104
8N/01W-12D01M	122.0	11-07-69	34.2	87.8	5104
		3-21-70	38.0	84.0	5104
8N/01W-13F05M	114.0	10-01-69	42.9	71.1	5001
		3-09-70	29.2	84.8	5001
8N/01W-13G03M	113.0	11-07-69	37.6	75.4	5104
		3-21-70	28.9	84.1	5104
8N/01W-14Q01M	120.0	11-07-69	40.8	79.2	5104
		3-21-70	(3)		5104
		5-13-70	(1) 44.5	75.5	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
YOLO COUNTY 5-21.09 (Continued)					
8N/01W-16R02M	128.0	10-01-69	53.6	74.4	5001
		11-07-69	50.7	77.3	5104
		3-09-70	41.2	86.8	5001
		3-21-70	(3)		5104
		5-13-70	46.0	82.0	5050
8N/01W-20R02M	149.0	10-01-69	67.2	81.8	5001
		3-09-70	52.0	97.0	5001
8N/01W-20R05M	147.0	11-07-69	62.2	84.8	5104
		3-21-70	55.4	91.6	5104
8N/01W-21N01M	145.0	10-01-69	72.6	72.4	5001
		3-09-70	53.8	91.2	5001
8N/01W-22G02M	126.5	10-08-69	45.8	80.7	5001
		3-17-70	34.8	91.7	5001
8N/01W-22L01M	128.0	10-01-69	56.0	72.0	5001
		3-10-70	40.6	87.4	5001
8N/01W-28B01M	139.0	10-01-69	64.7	74.3	5001
		3-10-70	43.8	95.2	5001
8N/01W-28B02M	139.0	10-01-69	57.5	81.5	5001
		3-10-70	41.8	97.2	5001
8N/01W-28N01M	142.0	9-30-69	56.0	86.0	5001
		3-10-70	42.2	99.8	5001
8N/01W-29M01M	155.0	10-01-69	(1)		5001
		3-09-70	54.1	100.9	5001
8N/01W-31H01M	153.0	10-08-69	36.6	116.4	5001
		3-17-70	33.7	119.3	5001
8N/01W-31J03M	144.7	10-08-69	25.8	118.9	5001
		3-10-70	22.4	122.3	5001
8N/01W-31K01M	157.0	10-08-69	38.0	119.0	5001
		3-11-70	33.9	123.1	5001
8N/01W-32C01M	147.0	9-30-69	50.0	97.0	5001
		3-10-70	39.4	107.6	5001
9N/01E-01L01M	74.0	11-09-69	52.0	22.0	5104
		3-28-70	42.6	31.4	5104
9N/01E-01R01M	71.0	11-09-69	(4)		5104
		3-28-70	(4)		5104
		5-14-70	(4)(0)		5050
9N/01E-02A01M	84.0	11-09-69	59.1	24.9	5104
		3-28-70	53.3	30.7	5104
9N/01E-02N01M	87.0	11-09-69	49.3	37.7	5104
		3-28-70	48.9	38.1	5104
9N/01E-03A02M	91.0	11-09-69	62.0	29.0	5104
		3-28-70	60.5	30.5	5104
9N/01E-03C03M	96.0	11-09-69	60.6	35.4	5104
		3-28-70	52.8	43.2	5104
9N/01E-05E01M	116.0	11-14-69	14.5	101.5	5104
		3-28-70	5.5	110.5	5104
9N/01E-07D01M	121.0	11-09-69	19.8	101.2	5104
		3-28-70	9.2	111.8	5104
9N/01E-08D01M	116.0	11-09-69	6.4	109.6	5104
		3-28-70	(5)		5104
9N/01E-12A01M	70.0	11-09-69	47.3	22.7	5104
		3-28-70	43.5	26.5	5104
9N/01E-12M01M	81.0	11-09-69	36.4	44.6	5104
		3-28-70	36.1	44.9	5104
9N/01E-12Q01M	71.0	11-09-69	43.0	28.0	5104
		3-28-70	40.8	30.2	5104
9N/01E-16A01M	92.0	10-17-69	14.4	77.6	5050
		3-23-70	11.5	80.5	5050
9N/01E-20E01M	112.0	11-09-69	16.1	95.9	5104
		3-22-70	10.8	101.2	5104
YOLO COUNTY 5-21.09 (Continued)					
9N/01E-22A02M	78.0	5-12-70	6.9	71.1	5050
9N/01E-22B01M	86.0	11-08-69	16.2	69.8	5104
		3-22-70	14.0	72.0	5104
9N/01E-24D01M	67.0	11-08-69	21.5	45.5	5104
		3-22-70	21.1	45.9	5104
9N/01E-26N01M	77.0	11-08-69	15.3	61.7	5104
		3-22-70	9.2	67.8	5104
9N/01E-27Q01M	87.0	11-08-69	19.7	67.3	5104
		3-22-70	16.7	70.3	5104
9N/01E-28M01M	102.0	11-09-69	12.3	89.7	5104
		3-22-70	11.0	91.0	5104
9N/01E-31D01M	116.0	10-17-69	15.9	100.1	5050
		3-23-70	10.1	105.9	5050
9N/01E-31K02M	111.0	10-01-69	33.3	77.7	5001
		3-09-70	21.0	90.0	5001
9N/02E-05C01M	68.0	11-09-69	36.9	31.1	5104
		3-28-70	41.4	26.6	5104
9N/02E-07A01M	72.0	11-09-69	50.3	21.7	5104
		3-28-70	(1)		5104
9N/02E-07K01M	70.0	11-09-69	48.0	22.0	5104
		3-28-70	44.0	26.0	5104
9N/02E-07L01M	66.0	11-09-69	46.5	19.5	5104
		3-28-70	42.3	23.7	5104
9N/02E-09B01M	53.0	11-08-69	35.7	17.3	5104
		3-28-70	31.2	21.8	5104
9N/02E-10D01M	46.0	11-08-69	(9)		5104
		3-28-70	19.6	26.4	5104
9N/02E-11D01M	34.0	11-08-69	12.6	21.4	5104
		3-28-70	9.0	25.0	5104
9N/02E-12J01M	25.0	11-08-69	(6)		5104
9N/02E-16E01M	53.0	11-09-69	35.7	17.3	5104
		3-28-70	23.6	29.4	5104
9N/02E-16N01M	52.0	10-30-69	37.1	14.9	5050
		11-26-69	33.4	18.6	5050
		12-30-69	29.7	22.3	5050
		1-29-70	23.6	28.4	5050
		2-26-70	22.3	29.7	5050
		3-31-70	22.1	29.9	5050
		4-28-70	42.0	10.0	5050
		5-29-70	54.0	-2.0	5050
		6-30-70	54.2	-2.2	5050
		7-31-70	58.5	-6.5	5050
		8-28-70	55.7	-3.7	5050
		9-30-70	42.9	9.1	5050
9N/02E-17M01M	65.0	11-13-69	39.9	25.1	5104
		3-22-70	30.7	34.3	5104
9N/02E-20M01M	61.0	11-13-69	35.0	26.0	5104
		3-22-70	33.0	28.0	5104
9N/02E-21L01M	51.0	11-08-69	37.7	13.3	5104
		3-28-70	24.8	26.2	5104
9N/02E-29Q03M	50.0	11-08-69	37.3	12.7	5104
		3-22-70	26.4	23.6	5104
9N/02E-31D01M	65.0	11-08-69	37.2	27.8	5104
		3-22-70	34.0	31.0	5104
9N/02E-33H01M	47.0	11-07-69	42.8	4.2	5104
		3-22-70	28.7	18.3	5104
9N/02E-35E01M	34.0	11-07-69	(9)		5104
		3-22-70	(4)		5104
		5-14-70	(1) 64.0	-30.0	5050
9N/03E-07D01M	25.0	11-08-69	15.6	9.4	5104
		3-28-70	9.8	15.2	5104

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
YOLO COUNTY 5-21.09 (Continued)					
9N/03E-11N09M	13.0	11-19-69	8.9	4.1	5104
		4-11-70	(5)		5104
9N/03E-31A02M	21.0	11-07-69	(4)		5104
		3-22-70	13.3	7.7	5104
9N/04E-32G01M	12.0	10-30-69	9.9	2.1	5050
		11-26-69	9.3	2.7	5050
		12-30-69	7.2	4.8	5050
		1-29-70	4.1	7.9	5050
		2-26-70	4.0	8.0	5050
		3-31-70	5.3	6.7	5050
		4-28-70	7.3	4.7	5050
		5-29-70	8.0	4.0	5050
		6-30-70	9.3	2.7	5050
		7-31-70	10.1	1.9	5050
		8-28-70	10.6	1.4	5050
		9-30-70	9.5	2.5	5050
9N/04E-34K01M	18.4	10-03-69	14.8	3.6	5050
		3-16-70	4.8	13.6	5050
9N/01W-02Q02M	136.0	11-09-69	(4)		5104
		3-28-70	10.6	125.4	5104
9N/01W-03B01M	148.0	11-09-69	15.9	132.1	5104
		3-28-70	6.0	142.0	5104
9N/01W-05B01M	185.0	11-18-69	12.6	172.4	5104
		3-28-70	11.3	173.7	5104
9N/01W-07R01M	210.0	11-19-69	26.9	183.1	5104
		3-28-70	(1)		5104
9N/01W-08Q01M	190.0	11-09-69	16.4	173.6	5104
		3-28-70	14.8	175.2	5104
9N/01W-09K01M	168.0	11-09-69	10.3	157.7	5104
		3-28-70	4.1	163.9	5104
9N/01W-09P01M	182.0	11-09-69	17.0	165.0	5104
		3-28-70	14.2	167.8	5104
9N/01W-11K01M	138.0	11-09-69	9.8	128.2	5104
		3-28-70	6.3	131.7	5104
9N/01W-15D01M	164.0	11-09-69	16.2	147.8	5104
		3-22-70	8.7	155.3	5104
9N/01W-16N01M	180.0	11-09-69	9.1	170.9	5104
		3-22-70	4.6	175.4	5104
9N/01W-21E01M	170.0	11-09-69	8.0	162.0	5104
		3-22-70	4.1	165.9	5104
9N/01W-24G01M	125.0	11-09-69	9.8	115.2	5104
		3-22-70	18.5	106.5	5104
9N/01W-27B01M	149.0	11-09-69	14.4	134.6	5104
		3-22-70	10.5	138.5	5104
9N/01W-29J01M	182.0	11-09-69	25.1	156.9	5104
		3-22-70	26.0	156.0	5104
9N/01W-33J01M	169.0	11-09-69	31.6	137.4	5104
		3-22-70	(4)		5104
		5-13-70	35.1	133.9	5050
9N/01W-35M01M	143.0	10-30-69	36.3	106.7	5050
		11-09-69	35.6	107.4	5104
		11-26-69	35.9	107.1	5050
		12-30-69	35.4	107.6	5050
		1-29-70	30.3	112.7	5050
		2-26-70	29.7	113.3	5050
		3-22-70	29.7	113.3	5104
		3-31-70	29.7	113.3	5050
		4-28-70	39.8	103.2	5050
		5-29-70	44.7	98.3	5050
		6-30-70	43.5	99.5	5050
		7-31-70	44.7	98.3	5050
		8-28-70	41.0	102.0	5050
		9-30-70	43.1	99.9	5050
9N/01W-36G03M	119.5	11-09-69	24.9	94.6	5104
		3-22-70	17.2	102.3	5104

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
YOLO COUNTY 5-21.09 (Continued)					
9N/02W-01A01M	218.0	11-18-69	(6)		5104
10N/01E-01N01M	73.0	11-13-69	(6)		5104
10N/01E-02Q02M	72.5	11-13-69	53.2	19.3	5104
		4-05-70	42.4	30.1	5104
10N/01E-03E01M	79.0	11-14-69	73.8	5.2	5104
		4-05-70	63.2	15.8	5104
10N/01E-07D01M	205.0	11-14-69	46.0	159.0	5104
		4-04-70	46.6	158.4	5104
10N/01E-10G01M	84.0	11-14-69	70.9	13.1	5104
		4-05-70	50.7	33.3	5104
10N/01E-13L01M	82.0	11-14-69	59.8	22.2	5104
		4-05-70	(1)		5104
10N/01E-14K01M	91.0	11-14-69	73.2	17.8	5104
		4-05-70	56.5	34.5	5104
10N/01E-15D01M	93.0	11-14-69	65.9	27.1	5104
		4-05-70	61.6	31.4	5104
10N/01E-15F02M	87.0	11-14-69	70.2	16.8	5104
		4-05-70	52.8	34.2	5104
10N/01E-15R01M	94.0	11-14-69	76.0	18.0	5104
		4-05-70	50.2	43.8	5104
10N/01E-18C01M	185.0	11-14-69	(4)		5104
		4-04-70	(4)		5104
		5-12-70	53.1	131.9	5050
10N/01E-19K01M	120.0	11-14-69	(9)		5104
		4-04-70	7.3	112.7	5104
10N/01E-23G01M	92.0	11-14-69	70.2	21.8	5104
		4-04-70	55.4	36.6	5104
10N/01E-23Q02M	87.0	11-14-69	(1)		5104
		4-05-70	53.1	33.9	5104
10N/01E-24E01M	83.0	11-14-69	63.2	19.8	5104
		4-05-70	50.4	32.6	5104
10N/01E-26E03M	97.0	11-14-69	69.6	27.4	5104
		4-05-70	58.5	38.5	5104
10N/01E-27F01M	100.0	11-14-69	76.3	23.7	5104
		4-05-70	50.1	49.9	5104
10N/01E-28K01M	109.0	11-14-69	46.6	62.4	5104
		4-04-70	30.3	78.7	5104
10N/01E-29K01M	110.0	11-14-69	(4)		5104
		4-04-70	(9)		5104
		5-12-70	16.7	93.3	5050
10N/01E-30L01M	125.0	11-14-69	(6)		5104
10N/01E-31E01M	128.0	11-14-69	23.4	104.6	5104
		4-04-70	14.1	113.9	5104
10N/01E-32E01M	124.0	11-14-69	23.7	100.3	5104
		4-04-70	13.9	110.1	5104
10N/01E-33P01M	130.0	11-09-69	63.9	66.1	5104
		3-28-70	58.4	71.6	5104
10N/01E-34A03M	100.0	11-14-69	71.6	28.4	5104
		4-05-70	60.2	39.8	5104
10N/01E-34C01M	113.2	10-28-69	76.8	36.4	5050
		11-28-69	75.6	37.6	5050
		12-29-69	74.6	38.6	5050
		1-28-70	71.8	41.4	5050
		2-27-70	67.6	45.6	5050
		3-30-70	64.6	48.6	5050
		4-30-70	67.6	45.6	5050
		5-30-70	72.1	41.1	5050
		6-30-70	77.0	36.2	5050
		7-31-70	79.4	33.8	5050
		8-31-70	80.5	32.7	5050
		9-30-70	80.4	32.8	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
YOLO COUNTY 5-21.09 (Continued)					
10N/01E-36Q02M	85.0	11-19-69	61.3	23.7	5104
		3-28-70	59.0	26.0	5104
10N/02E-01P02M	30.0	11-13-69	18.2	11.8	5104
		4-05-70	(1)		5104
10N/02E-03R02M	37.0	11-13-69	25.1	11.9	5104
		4-05-70	18.9	18.1	5104
10N/02E-04R01M	44.0	11-13-69	26.0	18.0	5104
		4-05-70	17.2	26.8	5104
10N/02E-05M02M	64.5	11-13-69	45.6	18.9	5104
		4-05-70	40.1	24.4	5104
10N/02E-06B01M	65.0	11-13-69	50.5	14.5	5104
		4-05-70	45.5	19.5	5104
10N/02E-06M01M	72.0	11-13-69	57.6	14.4	5104
		4-05-70	48.7	23.3	5104
10N/02E-08D02M	67.0	11-13-69	47.2	19.8	5104
		4-05-70	50.8	16.2	5104
10N/02E-08E01M	67.0	11-13-69	(3)		5104
		4-05-70	42.3	24.7	5104
10N/02E-08Q01M	63.0	11-13-69	44.2	18.8	5104
		4-05-70	(1)		5104
10N/02E-09N01M	63.0	11-13-69	50.1	12.9	5104
		4-05-70	(1)		5104
10N/02E-10R01M	47.0	11-13-69	31.7	15.3	5104
		4-05-70	28.0	19.0	5104
10N/02E-12R01M	35.0	11-13-69	23.9	11.1	5104
		4-05-70	(1)		5104
10N/02E-14E01M	36.0	11-13-69	15.7	20.3	5104
		4-04-70	8.9	27.1	5104
10N/02E-14G01M	32.0	10-30-69	16.4	15.6	5050
		11-26-69	15.6	16.4	5050
		12-30-69	13.1	18.9	5050
		1-29-70	14.6	17.4	5050
		2-26-70	11.5	20.5	5050
		3-31-70	11.9	20.1	5050
		4-28-70	16.2	15.8	5050
		5-29-70	21.2	10.8	5050
		6-30-70	25.7	6.3	5050
		7-31-70	25.3	6.7	5050
		8-28-70	20.6	11.4	5050
		9-30-70	21.2	10.8	5050
10N/02E-15N01M	45.0	11-13-69	32.6	12.4	5104
		4-05-70	33.0	12.0	5104
10N/02E-18M01M	74.0	11-13-69	43.1	30.9	5104
		4-05-70	46.3	27.7	5104
10N/02E-20E01M	62.0	11-13-69	(4)		5104
		4-05-70	(4)		5104
		5-12-70	33.0	29.0	5050
10N/02E-20N01M	65.0	11-13-69	46.0	19.0	5104
		4-05-70	(9)		5104
		5-12-70	(2) 39.3	25.7	5050
10N/02E-21M02M	52.0	11-13-69	31.1	20.9	5104
		4-05-70	28.5	23.5	5104
10N/02E-24B01M	29.0	11-13-69	18.8	10.2	5104
		4-05-70	13.1	15.9	5104
10N/02E-26Q01M	32.0	11-18-69	20.1	11.9	5104
		4-05-70	(4)		5104
		5-12-70	46.3	-14.3	5050
10N/02E-31M01M	77.0	11-09-69	58.5	18.5	5104
		3-28-70	50.6	26.4	5104
10N/02E-33R01M	52.0	11-18-69	39.6	12.4	5104
		3-28-70	25.5	26.5	5104
10N/02E-34M01M	54.0	11-18-69	39.1	14.9	5104
		3-28-70	28.0	26.0	5104

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
YOLO COUNTY 5-21.09 (Continued)					
10N/03E-14C01M	25.0	10-17-69	14.2	10.8	5050
		3-23-70	7.8	17.2	5050
10N/03E-30A01M	24.0	10-17-69	18.9	5.1	5050
		3-23-70	(9)		5050
10N/03E-32E01M	21.0	10-17-69	16.1	4.9	5050
		3-23-70	2.6	18.4	5050
10N/03E-33B01M	22.0	10-17-69	12.9	9.1	5050
		3-23-70	5.1	16.9	5050
10N/01W-04C01M	178.0	11-18-69	45.9	132.1	5104
		4-04-70	33.2	144.8	5104
10N/01W-05E01M	185.0	11-18-69	57.7	127.3	5104
		4-04-70	42.6	142.4	5104
10N/01W-06A01M	189.0	11-18-69	57.0	132.0	5104
		4-04-70	52.0	137.0	5104
10N/01W-06D01M	205.0	10-17-69	73.1	131.9	5050
		3-23-70	58.6	146.4	5050
10N/01W-08B01M	176.0	11-18-69	48.0	128.0	5104
		4-04-70	36.9	139.1	5104
10N/01W-09F02M	171.0	11-18-69	39.0	132.0	5104
		4-04-70	27.3	143.7	5104
10N/01W-14B01M	153.0	11-14-69	22.5	130.5	5104
		4-04-70	17.2	135.8	5104
10N/01W-15A01M	155.0	4-04-70	17.1	137.9	5104
10N/01W-15B01M	153.0	11-14-69	28.5	124.5	5104
		4-04-70	18.1	134.9	5104
10N/01W-15P01M	160.0	11-14-69	33.8	126.2	5104
		4-04-70	23.8	136.2	5104
10N/01W-17N01M	180.0	11-18-69	46.3	133.7	5104
		4-04-70	24.9	155.1	5104
10N/01W-18A01M	179.0	10-17-69	46.3	132.7	5050
		3-23-70	27.0	152.0	5050
10N/01W-18E01M	188.0	10-17-69	49.7	138.3	5050
		3-23-70	26.0	162.0	5050
10N/01W-19Q04M	188.0	11-18-69	43.5	144.5	5104
		4-04-70	38.4	149.6	5104
10N/01W-20R01M	163.0	11-18-69	34.8	128.2	5104
		4-04-70	(6)		5104
10N/01W-21G01M	163.0	11-14-69	(7)		5104
		4-04-70	(9)		5104
10N/01W-21J01M	160.0	11-14-69	33.6	126.4	5104
		4-04-70	27.0	133.0	5104
10N/01W-23P01M	141.0	11-14-69	24.5	116.5	5104
		4-04-70	16.9	124.1	5104
10N/01W-24L02M	137.0	11-14-69	19.3	117.7	5104
		4-04-70	12.9	124.1	5104
10N/01W-26D03M	147.0	11-14-69	28.3	118.7	5104
		4-04-70	(1)		5104
10N/01W-27F01M	147.0	11-14-69	24.9	122.1	5104
		4-04-70	13.1	133.9	5104
10N/01W-27N01M	150.0	10-30-69	25.8	124.2	5050
		11-26-69	24.6	125.4	5050
		12-30-69	22.2	127.8	5050
		1-29-70	13.7	136.3	5050
		2-26-70	11.6	138.4	5050
		3-31-70	11.6	138.4	5050
		4-28-70	15.7	134.3	5050
		5-29-70	20.0	130.0	5050
		6-30-70	23.2	126.8	5050
		7-31-70	28.1	121.9	5050
		8-28-70	37.3	112.7	5050
		9-30-70	30.8	119.2	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
YOLO COUNTY 5-21.09 (Continued)					
10N/01W-27P01M	146.0	11-14-69	27.4	118.6	5104
		3-28-70	12.7	133.3	5104
10N/01W-29M01M	173.0	11-18-69	13.8	159.2	5104
		4-04-70	3.6	169.4	5104
10N/01W-30K01M	181.0	11-18-69	22.6	158.4	5104
		4-04-70	9.5	171.5	5104
10N/01W-32B01M	180.0	11-18-69	14.2	165.8	5104
		4-04-70	11.0	169.0	5104
10N/01W-32E01M	188.0	11-18-69	17.6	170.4	5104
		3-28-70	13.2	174.8	5104
10N/01W-33F01M	165.0	11-18-69	25.6	139.4	5104
		3-28-70	12.7	152.3	5104
10N/01W-36B02M	131.0	11-14-69	22.3	108.7	5104
		4-04-70	12.8	118.2	5104
10N/02W-01M02M	225.0	10-17-69	91.9	133.1	5050
		3-23-70	76.9	148.1	5050
10N/02W-12D01M	210.0	10-17-69	DRY		5050
		3-23-70	60.2	149.8	5050
10N/02W-14A01M	200.0	11-22-69	71.9	128.1	5104
		4-04-70	66.5	133.5	5104
10N/02W-15R01M	213.0	11-22-69	(6)		5104
10N/02W-16R01M	229.0	11-22-69	15.8	213.2	5104
		4-04-70	14.7	214.3	5104
10N/02W-17J01M	254.0	11-22-69	11.2	242.8	5104
		4-04-70	8.7	245.3	5104
10N/02W-21G01M	239.0	11-22-69	16.6	222.4	5104
		4-04-70	15.4	223.6	5104
10N/02W-25D01M	232.0	11-18-69	(4)		5104
		4-04-70	35.2	196.8	5104
10N/02W-28J01M	365.0	11-18-69	76.0	289.0	5104
		4-04-70	70.7	294.3	5104
10N/02W-35A01M	250.0	11-18-69	52.3	197.7	5104
		4-04-70	51.6	198.4	5104
10N/02W-36A01M	191.0	11-22-69	(8)		5104
		4-04-70	6.7	184.3	5104
11N/01E-03E01M	36.0	10-15-69	50.3	-14.3	5001
		3-18-70	13.7	22.3	5001
11N/01E-04E02M	37.0	10-15-69	43.0	-6.0	5001
		3-18-70	14.9	22.1	5001
11N/01E-06P01M	40.0	10-15-69	55.6	-15.6	5001
		3-18-70	19.2	20.8	5001
11N/01E-06R02M	35.0	10-15-69	21.8	13.2	5001
		3-18-70	19.0	16.0	5001
11N/01E-08F01M	40.0	10-15-69	27.5	12.5	5001
		3-18-70	19.8	20.2	5001
11N/01E-09F01M	46.0	10-15-69	(9)		5001
		3-18-70	21.3	24.7	5001
11N/01E-09F02M	45.0	10-15-69	(9)		5001
		3-18-70	17.3	27.7	5001
11N/01E-09P01M	47.5	10-15-69	27.6	19.9	5001
		3-18-70	20.8	26.7	5001
11N/01E-09R01M	39.0	10-15-69	24.8	14.2	5001
		3-18-70	13.5	25.5	5001
11N/01E-14E01M	39.0	10-15-69	40.6	-1.6	5001
		3-18-70	17.4	21.6	5001
11N/01E-15C01M	42.0	10-15-69	45.5	-3.5	5001
		3-18-70	17.8	24.2	5001

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
YOLO COUNTY 5-21.09 (Continued)					
11N/01E-16J01M	46.0	10-15-69	32.1	13.9	5001
		3-18-70	23.1	22.9	5001
11N/01E-17F01M	50.5	10-14-69	42.3	8.2	5001
		3-17-70	24.9	25.6	5001
11N/01E-18C01M	52.0	10-14-69	62.7	-10.7	5001
		3-17-70	31.3	20.7	5001
11N/01E-19A02M	57.0	10-14-69	46.3	10.7	5001
		3-17-70	34.8	22.2	5001
11N/01E-22D01M	45.0	10-15-69	22.5	22.5	5001
		3-18-70	20.7	24.3	5001
11N/01E-23C01M	46.6	10-15-69	49.7	-3.1	5001
		3-18-70	26.7	19.9	5001
11N/01E-23P01M	56.0	10-15-69	59.0	-3.0	5001
		3-18-70	33.6	22.4	5001
11N/01E-24P03M	46.0	10-15-69	34.0	12.0	5001
		3-18-70	24.0	22.0	5001
11N/01E-24P04M	45.0	10-15-69	33.9	11.1	5001
		3-18-70	24.4	20.6	5001
11N/01E-25E01M	48.0	10-15-69	31.8	16.2	5001
		3-17-70	28.3	19.7	5001
11N/01E-25R01M	55.0	10-14-69	43.8	11.2	5001
		3-17-70	31.6	23.4	5001
11N/01E-26N01M	66.0	10-14-69	44.9	21.1	5001
		3-17-70	42.7	23.3	5001
11N/01E-26N02M	66.0	10-14-69	44.6	21.4	5001
		3-17-70	41.0	25.0	5001
11N/01E-27A01M	65.0	10-15-69	(9)		5001
		3-17-70	40.0	25.0	5001
11N/01E-27N02M	63.0	10-14-69	(9)		5001
		3-17-70	37.6	25.4	5001
11N/01E-35J01M	58.0	10-14-69	51.3	6.7	5001
		3-17-70	32.2	25.8	5001
11N/02E-16R01M	35.0	10-06-69	21.3	13.7	5050
		3-24-70	12.4	22.6	5050
11N/02E-17P01M	42.0	10-15-69	34.8	7.2	5001
		3-18-70	19.7	22.3	5001
11N/02E-18E01M	34.0	10-30-69	22.7	11.3	5050
		11-26-69	22.0	12.0	5050
		12-30-69	21.1	12.9	5050
		1-29-70	15.4	18.6	5050
		2-26-70	12.3	21.7	5050
		3-31-70	12.7	21.3	5050
		4-28-70	13.7	20.3	5050
		5-29-70	17.3	16.7	5050
		6-30-70	19.0	15.0	5050
		7-31-70	19.7	14.3	5050
		8-28-70	20.4	13.6	5050
		9-30-70	20.8	13.2	5050
11N/02E-18F02M	40.0	10-15-69	38.5	1.5	5001
		3-18-70	16.3	23.7	5001
11N/02E-18N01M	40.0	10-15-69	41.1	-1.1	5001
		3-18-70	18.9	21.1	5001
11N/02E-20K04M	50.0	10-06-69	48.6	1.4	5050
		3-24-70	31.0	19.0	5050
11N/02E-23M01M	29.0	10-14-69	14.4	14.6	5001
		3-17-70	7.4	21.6	5001
11N/02E-27E04M	37.0	10-15-69	21.9	15.1	5001
		3-18-70	13.2	23.8	5001
11N/02E-28C01M	42.0	10-15-69	30.3	11.7	5001
		3-18-70	17.8	24.2	5001

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
YOLO COUNTY 5-21.09 (Continued)					
11N/02E-29A01M	44.0	10-15-69	36.4	7.6	5001
		3-18-70	21.0	23.0	5001
11N/02E-29N01M	52.0	10-15-69	43.8	8.2	5001
		3-17-70	28.4	23.6	5001
11N/02E-33N01M	43.0	10-15-69	21.9	21.1	5001
		3-18-70	(6)		5001
11N/02E-35E01M	32.0	10-06-69	18.4	13.6	5050
		3-24-70	6.1	25.9	5050
11N/01W-28D01M	222.0	10-17-69	21.2	200.8	5050
		3-23-70	17.6	204.4	5050
11N/01W-30D01M	237.0	10-17-69	40.7	196.3	5050
		3-23-70	38.9	198.1	5050
11N/01W-34P01M	195.0	10-17-69	19.3	175.7	5050
		3-23-70	18.2	176.8	5050
11N/02W-23A01M	292.0	10-17-69	65.1	226.9	5050
		3-23-70	64.4	227.6	5050
11N/02W-24A01M	250.0	10-17-69	27.7	222.3	5050
		3-23-70	26.7	223.3	5050
11N/02W-26A01M	275.0	11-22-69	72.3	202.7	5104
		4-04-70	70.0	205.0	5104
11N/02W-26J01M	274.0	11-22-69	81.5	192.5	5104
		4-04-70	77.2	196.8	5104
11N/02W-35E01M	305.0	11-22-69	119.9	185.1	5104
		4-04-70	111.0	194.0	5104
12N/01E-10H01M	25.6	10-14-69	5.7	19.9	5001
		3-17-70	4.7	20.9	5001
12N/01E-15Q01M	20.7	10-14-69	11.2	9.5	5001
		3-17-70	6.9	13.8	5001
12N/02E-30F01M	26.0	10-14-69	10.0	16.0	5001
		3-17-70	4.2	21.8	5001
12N/01W-01G01M	35.0	10-14-69	22.5	12.5	5001
		3-17-70	16.2	18.8	5001
12N/01W-05B01M	137.9	10-14-69	121.1	16.8	5001
		10-30-69	121.8	16.1	5050
		11-26-69	119.9	18.0	5050
		12-30-69	119.5	18.4	5050
		1-29-70	117.5	20.4	5050
		2-26-70	115.9	22.0	5050
		3-17-70	114.9	23.0	5001
		3-30-70	115.4	22.5	5050
		4-28-70	115.2	22.7	5050
		5-29-70	117.5	20.4	5050
		6-30-70	120.0	17.9	5050
		7-31-70	(1)		5050
		8-28-70	121.7	16.2	5050
		9-30-70	(1)		5050
12N/01W-06J01M	165.0	10-14-69	156.0	9.0	5001
		3-17-70	133.9	31.1	5001
12N/01W-09E01M	110.2	10-14-69	103.1	7.1	5001
		3-17-70	85.0	25.2	5001
12N/01W-09R01M	79.2	10-14-69	66.0	13.2	5001
		3-17-70	63.6	15.6	5001
12N/01W-14M01M	43.5	10-14-69	40.0	3.5	5001
		3-17-70	24.8	18.7	5001
12N/01W-22R01M	51.0	10-30-69	44.0	7.0	5050
		11-26-69	42.6	8.4	5050
		12-30-69	41.2	9.8	5050
		1-29-70	39.8	11.2	5050
		2-26-70	38.8	12.2	5050
		3-31-70	38.2	12.8	5050
		4-28-70	44.1	6.9	5050
		5-29-70	47.5	3.5	5050
		6-30-70	51.4	-0.4	5050
		7-31-70	56.1	-5.1	5050
		8-28-70	54.3	-3.3	5050
		9-30-70	50.0	1.0	5050
YOLO COUNTY 5-21.09 (Continued)					
12N/01W-24F01M	36.1	10-14-69	17.6	18.5	5001
		3-17-70	13.3	22.8	5001
12N/01W-26L02M	50.0	10-14-69	51.9	-1.9	5001
		3-17-70	35.4	14.6	5001
12N/01W-36K01M	40.0	10-14-69	51.7	-11.7	5001
		3-17-70	28.8	11.2	5001
CAPAY VALLEY 5-21.10					
10N/02W-07A01M	280.0	11-22-69	15.4	264.6	5104
		4-04-70	14.4	265.6	5104
10N/02W-18F01M	334.0	11-22-69	17.6	316.4	5104
		4-04-70	12.0	322.0	5104
10N/03W-02R01M	335.0	11-22-69	35.9	299.1	5104
		4-04-70	19.8	315.2	5104
10N/03W-13E01M	385.0	11-22-69	31.5	353.5	5104
		4-04-70	27.0	358.0	5104
10N/03W-24B01M	430.0	11-22-69	19.8	410.2	5104
		4-04-70	15.8	414.2	5104
11N/03W-03L01M	345.0	11-22-69	13.4	331.6	5104
		4-04-70	7.7	337.3	5104
11N/03W-04P01M *	409.0	11-22-69	78.2	330.8	5104
		4-04-70	37.5	371.5	5104
11N/03W-09Q01M	415.0	11-22-69	(9)		5104
		4-04-70	6.6	408.4	5104
11N/03W-15G01M *	330.0	11-22-69	24.2	305.8	5104
		4-04-70	21.0	309.0	5104
11N/03W-22B01M	327.0	11-22-69	21.6	305.4	5104
		4-04-70	22.0	305.0	5104
11N/03W-23N01M *	317.0	11-22-69	21.3	295.7	5104
		4-04-70	(7)		5104
11N/03W-26M03M *	308.0	11-22-69	29.5	278.5	5104
		4-04-70	17.6	290.4	5104
11N/03W-34C01M	370.0	11-22-69	35.1	334.9	5104
		4-04-70 (4)	51.1	318.9	5104
11N/03W-35J01M	292.0	11-22-69	(9)		5104
		4-04-70	(4)		5104
		5-13-70	11.0	281.0	5050
11N/03W-36M01M	286.0	11-22-69	17.1	268.9	5104
		4-04-70	(4)		5104
		5-13-70	13.7	272.3	5050
12N/03W-18G02M	435.0	11-22-69	37.4	397.6	5104
		4-04-70	35.7	399.3	5104
12N/03W-20D01M	402.0	11-22-69	19.7	382.3	5104
		4-04-70	22.3	379.7	5104
12N/03W-29K01M	400.0	11-22-69	(9)		5104
		4-04-70	(8)		5104
12N/03W-32Q01M	410.0	11-22-69	46.3	363.7	5104
		4-04-70	26.9	383.1	5104
12N/03W-33F01M	361.0	11-22-69	20.7	340.3	5104
		4-04-70	15.8	345.2	5104
12N/04W-12R01M	446.0	11-22-69	23.2	422.8	5104
		4-04-70	23.1	422.9	5104
SOLANO COUNTY 5-21.11					
4N/01E-12A01M	78.0	10-09-69	12.8	65.2	5050
		3-26-70	3.1	74.9	5050
4N/02E-09A01M	39.0	10-22-69	21.1	17.9	5109
		4-22-70	21.2	17.8	5109

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOLANO COUNTY 5-21.11 (Continued)					
5N/01E-02E01M	25.0	10-23-69	7.8	17.2	5109
		4-29-70	5.4	19.6	5109
5N/01E-03P01M	35.0	10-09-69	12.9	22.1	5050
		3-26-70	10.8	24.2	5050
5N/01E-06G01M	58.0	10-09-69	27.0	31.0	5050
		3-26-70	26.3	31.7	5050
5N/01E-11R01M	24.5	10-09-69	(4) 48.7	-24.2	5050
		3-26-70	13.3	11.2	5050
5N/01E-21E01M	36.0	10-22-69	9.2	26.8	5109
		5-29-70	6.2	29.8	5109
5N/01E-22C01M	33.0	10-22-69	14.5	18.5	5109
		5-25-70	9.5	23.5	5109
5N/01E-26M02M	19.0	10-21-69	3.8	15.2	5109
		4-29-70	1.5	17.5	5109
5N/01E-36A01M	24.0	10-22-69	13.0	11.0	5109
		4-29-70	7.6	16.4	5109
5N/01E-36A02M	23.0	10-14-69	10.0	13.0	5050
		11-14-69	10.2	12.8	5050
		12-16-69	10.3	12.7	5050
		1-16-70	(9)		5050
		2-19-70	4.9	18.1	5050
		3-16-70	4.6	18.4	5050
		4-15-70	6.3	16.7	5050
		5-14-70	7.1	15.9	5050
		6-15-70	10.4	12.6	5050
		7-17-70	8.7	14.3	5050
		8-17-70	9.4	13.6	5050
		9-15-70	9.7	13.3	5050
5N/02E-06A01M	14.0	10-22-69	9.5	4.5	5109
		4-22-70	8.1	5.9	5109
5N/02E-07R01M	15.0	10-22-69	15.6	-0.6	5109
		4-22-70	(1)		5109
5N/02E-19M01M	12.0	10-22-69	11.2	0.8	5109
		4-22-70	11.1	0.9	5109
5N/02E-31J01M	31.0	10-22-69	13.6	17.4	5109
		4-22-70	12.5	18.5	5109
5N/02E-33G01M	13.0	10-22-69	15.4	-2.4	5109
		4-22-70	7.0	6.0	5109
5N/02E-36N01M	0.7	10-22-69	6.3	-5.6	5109
		4-22-70	5.1	-4.4	5109
5N/01W-02B01M	97.0	10-09-69	24.4	72.6	5050
		3-26-70	16.9	80.1	5050
5N/01W-12H01M	62.0	10-09-69	21.0	41.0	5050
		3-26-70	19.8	42.2	5050
6N/01E-02B01M	46.0	10-10-69	56.6	-10.6	5050
		3-30-70	28.1	17.9	5050
6N/01E-06D01M	77.0	10-14-69	11.3	65.7	5109
		4-14-70	10.0	67.0	5109
6N/01E-10H01M	52.0	10-10-69	9.6	42.4	5050
		3-30-70	8.9	43.1	5050
6N/01E-12M01M	40.0	10-10-69	21.2	18.8	5050
		10-14-69	21.8	18.2	5050
		11-14-69	23.9	16.1	5050
		12-16-69	25.3	14.7	5050
		1-16-70	(9)		5050
		2-19-70	17.0	23.0	5050
		3-16-70	18.2	21.8	5050
		4-15-70	19.5	20.5	5050
		5-14-70	21.0	19.0	5050
		6-15-70	20.0	20.0	5050
		7-17-70	20.8	19.2	5050
		8-17-70	21.5	18.5	5050
		9-15-70	24.9	15.1	5050
6N/01E-12M02M	40.0	10-10-69	50.8	-10.8	5050
		3-30-70	36.9	3.1	5050
SOLANO COUNTY 5-21.11 (Continued)					
6N/01E-18N01M	72.7	10-21-69	7.7	65.0	5109
		4-14-70	4.9	67.8	5109
6N/01E-22D01M	44.6	10-21-69	4.8	39.8	5109
		4-21-70	4.4	40.2	5109
6N/01E-24L03M	32.0	10-10-69	11.4	20.6	5050
		3-30-70	9.0	23.0	5050
6N/01E-27G01M	43.0	10-21-69	12.2	30.8	5109
		4-23-70	(7)		5109
6N/01E-27G02M	41.2	10-21-69	9.9	31.3	5109
		4-23-70	12.6	28.6	5109
6N/01E-31A01M	60.0	10-09-69	17.2	42.8	5050
		3-26-70	15.4	44.6	5050
6N/01E-33L01M	43.0	10-14-69	11.3	31.7	5050
		10-21-69	10.6	32.4	5109
		11-14-69	11.0	32.0	5050
		12-16-69	12.1	30.9	5050
		1-16-70	(9)		5050
		2-19-70	10.0	33.0	5050
		3-16-70	10.0	33.0	5050
		4-15-70	10.1	32.9	5050
		4-23-70	8.4	34.6	5109
		5-14-70	(1) 18.9	24.1	5050
		6-15-70	10.8	32.2	5050
		7-17-70	10.0	33.0	5050
		8-17-70	10.2	32.8	5050
		9-15-70	10.5	32.5	5050
6N/02E-02M03M	25.0	10-10-69	35.8	-10.8	5050
		3-30-70	28.5	-3.5	5050
6N/02E-08B01M	25.7	10-14-69	56.2	-30.5	5050
		11-14-69	48.2	-22.5	5050
		12-16-69	(4) 46.2	-20.5	5050
		1-16-70	43.5	-17.8	5050
		2-19-70	41.2	-15.5	5050
		3-16-70	39.7	-14.0	5050
		4-15-70	(4) 43.7	-18.0	5050
		5-14-70	(4) 48.7	-23.0	5050
		6-15-70	(1) 52.5	-26.8	5050
		7-17-70	(4) 51.4	-25.7	5050
		8-17-70	(1)		5050
		9-15-70	(4) 57.4	-31.7	5050
6N/02E-09C01M	21.0	10-08-69	44.4	-23.4	5001
		3-18-70	34.4	-13.4	5001
6N/02E-13N01M	10.0	9-29-69	6.8	3.2	5001
		3-18-70	3.5	6.5	5001
6N/02E-14Q01M	12.0	10-14-69	10.7	1.3	5050
		11-14-69	8.6	3.4	5050
		12-16-69	10.2	1.8	5050
		1-16-70	2.6	9.4	5050
		2-19-70	5.4	6.6	5050
		3-16-70	5.5	6.5	5050
		4-15-70	14.6	-2.6	5050
		5-14-70	14.9	-2.9	5050
		6-15-70	12.6	-0.6	5050
		7-17-70	18.2	-6.2	5050
		8-17-70	18.3	-6.3	5050
		9-15-70	16.4	-4.4	5050
6N/02E-20H02M	20.0	10-10-69	36.1	-16.1	5050
		3-30-70	28.0	-8.0	5050
6N/02E-26D01M	8.0	10-21-69	7.3	0.7	5109
		4-22-70	7.1	0.9	5109
6N/02E-29N01M	19.0	10-10-69	11.8	7.2	5050
		10-21-69	12.3	6.7	5109
		3-30-70	9.6	9.4	5050
		4-22-70	(1)		5109
6N/01W-01B01M	82.0	10-14-69	23.4	58.6	5109
		10-14-69	23.2	58.8	5050
		11-14-69	22.3	59.7	5050
		12-16-69	20.9	61.1	5050
		1-16-70	18.2	63.8	5050
		2-19-70	17.2	64.8	5050
		3-16-70	16.5	65.5	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOLANO COUNTY 5-21.11 (Continued)					
6N/01W-01B01M (Continued)	82.0	4-14-70	20.8	61.2	5109
		4-15-70	22.0	60.0	5050
		5-14-70	20.2	61.8	5050
		6-15-70	20.3	61.7	5050
		7-17-70	27.5	54.5	5050
		8-17-70	30.7	51.3	5050
		9-15-70	27.6	54.4	5050
6N/01W-09L02M	175.0	10-14-69	0.6	174.4	5109
		4-14-70	(7)		5109
6N/01W-10R01M	100.0	10-10-69	36.4	63.6	5050
		3-26-70	31.2	68.8	5050
6N/01W-10R04M	100.0	10-10-69	34.5	65.5	5050
		3-26-70	31.1	68.9	5050
6N/01W-12Q01M	77.0	10-09-69	9.5	67.5	5050
		3-26-70	8.4	68.6	5050
6N/01W-13R01M	74.5	10-09-69	7.2	67.3	5050
		3-26-70	4.5	70.0	5050
6N/01W-15N01M	130.0	10-10-69	129.7	0.3	5050
		3-26-70	124.3	5.7	5050
6N/01W-15P01M	123.0	10-10-69	116.5	6.5	5050
		3-26-70	105.3	17.7	5050
6N/01W-20D01M	201.0	10-21-69	18.9	182.1	5109
		4-14-70	13.2	187.8	5109
6N/01W-21A01M	138.0	10-14-69	28.2	109.8	5109
		4-14-70	24.3	113.7	5109
6N/01W-21R01M	135.0	10-14-69	12.9	122.1	5109
		4-14-70	3.2	131.8	5109
6N/01W-23B01M	93.0	10-11-69	25.2	67.8	5109
		4-14-70	20.6	72.4	5109
6N/01W-23C01M	100.0	10-22-69	32.0	68.0	5109
		4-14-70	27.3	72.7	5109
6N/01W-24N01M	88.0	10-09-69	28.5	59.5	5050
		3-26-70	29.7	58.3	5050
6N/01W-24N02M	90.0	10-09-69	90.5	-0.5	5050
		3-26-70	84.4	5.6	5050
7N/01E-01M02M	64.0	10-07-69	23.7	40.3	5001
		3-12-70	24.7	39.3	5001
7N/01E-03G01M	82.0	10-07-69	41.1	40.9	5001
		3-18-70	30.8	51.2	5001
7N/01E-04P03M	89.0	10-07-69	21.5	67.5	5001
		3-18-70	20.9	68.1	5001
7N/01E-05F01M	91.3	10-07-69	23.3	68.0	5001
		3-18-70	21.1	70.2	5001
7N/01E-08F03M	86.0	10-07-69	13.8	72.2	5001
		3-18-70	9.6	76.4	5001
7N/01E-10E01M	78.5	10-07-69	20.0	58.5	5001
		3-18-70	21.7	56.8	5001
7N/01E-11M01M	75.0	10-07-69	28.4	46.6	5001
		3-18-70	28.7	46.3	5001
7N/01E-12N02M	64.0	10-06-69	27.9	36.1	5001
		10-14-69	28.0	36.0	5050
		11-14-69	28.0	36.0	5050
		12-16-69	28.4	35.6	5050
		1-16-70	27.5	36.5	5050
		2-19-70	26.2	37.8	5050
		3-12-70	26.3	37.7	5001
		3-16-70	26.2	37.8	5050
		4-15-70	25.7	38.3	5050
		5-14-70	24.3	39.7	5050
		6-16-70	22.5	41.5	5050
		7-20-70	25.2	38.8	5050
		8-17-70	27.0	37.0	5050
		9-15-70	28.1	35.9	5050

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOLANO COUNTY 5-21.11 (Continued)					
7N/01E-16A01M	79.0	10-07-69	19.5	59.5	5001
		3-18-70	17.4	61.6	5001
7N/01E-17R01M	77.0	10-07-69	9.6	67.4	5001
		3-18-70	8.7	68.3	5001
7N/01E-20D01M	85.0	10-07-69	8.2	76.8	5001
		3-18-70	(0)		5001
7N/01E-21A01M	74.0	10-08-69	21.5	52.5	5001
		3-18-70	14.8	59.2	5001
7N/01E-21A02M	74.0	10-08-69	17.0	57.0	5001
		3-18-70	9.1	64.9	5001
7N/01E-22D03M	71.0	10-06-69	43.9	27.1	5001
		3-18-70	21.5	49.5	5001
7N/01E-24N03M	55.0	10-06-69	31.7	23.3	5001
		3-18-70	30.1	24.9	5001
7N/01E-26Q02M	55.0	10-06-69	51.0	4.0	5001
		3-18-70	24.9	30.1	5001
7N/01E-29P01M	74.0	10-08-69	9.0	65.0	5001
		3-18-70	8.3	65.7	5001
7N/01E-30M01M	87.0	10-07-69	14.0	73.0	5001
		3-19-70	12.9	74.1	5001
7N/01E-33A01M	65.0	10-06-69	49.1	15.9	5001
		3-18-70	20.9	44.1	5001
7N/01E-33R01M	60.0	10-14-69	8.2	51.8	5050
		11-14-69	9.4	50.6	5050
		12-16-69	10.2	49.8	5050
		1-16-70	3.4	56.6	5050
		2-19-70	3.6	56.4	5050
		3-16-70	5.1	54.9	5050
		4-15-70	6.8	53.2	5050
		5-14-70	6.5	53.5	5050
		6-16-70	5.1	54.9	5050
		7-17-70	5.3	54.7	5050
		8-17-70	5.6	54.4	5050
		9-15-70	6.4	53.6	5050
7N/02E-02B02M	34.0	9-29-69	68.9	-34.9	5001
		3-12-70	50.2	-16.2	5001
7N/02E-04A02M	50.0	10-06-69	93.2	-43.2	5001
		3-18-70	64.1	-14.1	5001
7N/02E-04M03M	52.5	10-06-69	89.2	-36.7	5001
		3-18-70	64.9	-12.4	5001
7N/02E-07G03M	55.0	9-29-69	39.1	15.9	5001
		3-12-70	29.2	25.8	5001
7N/02E-09F01M	51.0	10-06-69	(9)		5001
		3-18-70	70.1	-19.1	5001
7N/02E-12C01M	27.0	9-29-69	76.6	-49.6	5001
		3-12-70	54.6	-27.6	5001
7N/02E-12C02M	28.0	9-29-69	78.3	-50.3	5001
		3-12-70	53.9	-25.9	5001
7N/02E-14F02M	31.0	9-29-69	80.5	-49.5	5001
		3-12-70	61.2	-30.2	5001
7N/02E-14M01M	34.0	9-29-69	(1)		5001
		3-12-70	61.9	-27.9	5001
7N/02E-19E02M	50.3	9-29-69	48.3	2.0	5001
		3-12-70	42.0	8.3	5001
7N/02E-21F02M	46.0	9-29-69	84.2	-38.2	5001
		3-12-70	61.1	-15.1	5001

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOLANO COUNTY 5-21.11 (Continued)					
7N/02E-24N02M	23.0	10-14-69	31.3	-8.3	5050
		11-14-69	31.3	-8.3	5050
		12-16-69	31.1	-8.1	5050
		1-16-70	30.6	-7.6	5050
		2-19-70	(1)		5050
		3-16-70	28.8	-5.8	5050
		4-15-70	28.0	-5.0	5050
		5-14-70	28.2	-5.2	5050
		6-16-70	28.4	-5.4	5050
		7-17-70	28.6	-5.6	5050
		8-17-70	29.5	-6.5	5050
		9-15-70	30.2	-7.2	5050
7N/02E-26Q01M	27.5	9-29-69	40.8	-13.3	5001
		3-12-70	33.7	-6.2	5001
7N/02E-26Q02M	27.5	9-29-69	47.7	-20.2	5001
		3-12-70	36.1	-8.6	5001
7N/02E-30N03M	43.0	9-29-69	64.7	-21.7	5001
		3-12-70	41.3	1.7	5001
7N/02E-33D02M	33.0	9-29-69	73.7	-40.7	5001
		3-12-70	47.0	-14.0	5001
7N/02E-34C02M	35.0	9-29-69	66.7	-31.7	5001
		3-12-70	47.8	-12.8	5001
7N/01W-01E02M	103.0	10-07-69	25.1	77.9	5001
		3-11-70	20.8	82.2	5001
7N/01W-01E03M	103.0	10-07-69	27.2	75.8	5001
		3-11-70	22.4	80.6	5001
7N/01W-04D01M	145.0	9-30-69	51.5	93.5	5001
		3-10-70	43.9	101.1	5001
7N/01W-05R01M	170.0	9-30-69	(1)		5001
		3-10-70	(6) 45.4	124.6	5001
7N/01W-06E01M	157.0	10-02-69	54.1	102.9	5001
		4-06-70	55.7	101.3	5001
7N/01W-13A01M	103.0	10-07-69	13.9	89.1	5001
		3-19-70	13.0	90.0	5001
7N/01W-13H01M	105.0	10-07-69	15.6	89.4	5001
		3-19-70	13.7	91.3	5001
7N/01W-15G01M	128.0	10-07-69	30.5	97.5	5001
		3-19-70	(1) 3.1	124.9	5001
7N/01W-16G01M	230.0	10-07-69	118.3	111.7	5001
		3-19-70	117.6	112.4	5001
7N/01W-17Q01M	225.0	10-07-69	46.6	178.4	5001
		3-19-70	48.9	176.1	5001
7N/01W-21G01M	154.0	10-07-69	61.0	93.0	5001
		3-19-70	55.9	98.1	5001
7N/01W-21Q01M	150.0	10-07-69	DRY		5001
		3-19-70	27.1	122.9	5001
7N/01W-34K01M	125.0	10-14-69	61.9	63.1	5109
		4-14-70	60.3	64.7	5109
7N/01W-35R01M	91.0	10-07-69	14.6	76.4	5001
		3-19-70	13.0	78.0	5001
8N/01E-15P01M	84.0	9-30-69	38.2	45.8	5001
		3-17-70	30.4	53.6	5001
8N/01E-17K01M	100.0	10-03-69	40.4	59.6	5001
		3-11-70	35.0	65.0	5001
8N/01E-19K01M	104.0	10-03-69	44.4	59.6	5001
		3-10-70	34.3	69.7	5001
8N/01E-20G01M	98.0	10-03-69	39.2	58.8	5001
		3-10-70	32.3	65.7	5001
8N/01E-22N01M	83.0	11-10-69	29.2	53.8	5001
		3-17-70	24.3	58.7	5001
8N/01E-23C01M	84.2	10-03-69	53.6	30.6	5001
		3-17-70	36.8	47.4	5001

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOLANO COUNTY 5-21.11 (Continued)					
8N/01E-23Q01M	73.0	10-03-69	41.6	31.4	5001
		3-11-70	31.0	42.0	5001
8N/01E-24Q01M	68.0	10-03-69	72.7	-4.7	5001
		3-17-70	38.5	29.5	5001
8N/01E-27G02M	80.0	10-03-69	(1)		5001
		3-17-70	26.5	53.5	5001
8N/01E-28G01M	92.0	10-03-69	36.6	55.4	5001
		3-11-70	31.6	60.4	5001
8N/01E-29D01M	103.0	10-03-69	41.3	61.7	5001
		3-17-70	34.4	68.6	5001
8N/01E-30G02M	110.0	9-30-69	44.9	65.1	5001
		3-17-70	40.3	69.7	5001
8N/01E-32E01M	100.0	10-07-69	(1)		5001
		3-11-70	30.1	69.9	5001
8N/01E-33A01M	84.0	10-03-69	21.3	62.7	5001
		3-11-70	22.7	61.3	5001
8N/01E-33H01M	82.0	10-03-69	22.1	59.9	5001
		3-11-70	21.3	60.7	5001
8N/01E-33Q02M	86.0	10-14-69	21.4	64.6	5050
		11-14-69	23.5	62.5	5050
		12-16-69	24.8	61.2	5050
		1-16-70	25.1	60.9	5050
		2-19-70	24.8	61.2	5050
		3-16-70	25.1	60.9	5050
		4-15-70	20.4	65.6	5050
		5-14-70	18.0	68.0	5050
		6-16-70	17.1	68.9	5050
		7-20-70	17.3	68.7	5050
		8-17-70	18.6	67.4	5050
		9-15-70	(1)		5050
8N/01E-33Q03M	85.7	10-03-69	18.3	67.4	5001
		3-11-70	22.8	62.9	5001
8N/01E-35K01M	73.0	10-03-69	72.2	0.8	5001
		3-11-70	33.3	39.7	5001
8N/02E-19F01M	70.0	10-03-69	67.5	2.5	5001
		3-17-70	41.6	28.4	5001
8N/02E-24N01M	37.5	10-06-69	53.2	-15.7	5001
		3-11-70	30.5	7.0	5001
8N/02E-25B01M	35.0	10-06-69	53.1	-18.1	5001
		10-14-69	49.7	-14.7	5050
		11-14-69	43.2	-8.2	5050
		12-16-69	40.3	-5.3	5050
		1-16-70	(9)		5050
		2-19-70	30.0	5.0	5050
		3-16-70	28.6	6.4	5050
		3-17-70	28.7	6.3	5001
		4-15-70	42.4	-7.4	5050
		5-14-70	(8)		5050
		6-16-70	66.1	-31.1	5050
		7-20-70	(9)		5050
		8-17-70	(8)		5050
		9-15-70	61.5	-26.5	5050
8N/02E-27C01M	50.0	10-03-69	56.8	-6.8	5001
		3-12-70	38.5	11.5	5001
8N/02E-27Q02M	45.0	9-29-69	(1)		5001
		3-12-70	42.4	2.6	5001
8N/02E-29K01M	55.0	10-03-69	53.9	1.1	5001
		3-17-70	38.6	16.4	5001
8N/02E-30H02M	62.0	10-03-69	59.7	2.3	5001
		3-17-70	39.5	22.5	5001
8N/02E-31D01M	65.0	10-03-69	60.8	4.2	5001
		3-11-70	36.1	28.9	5001
8N/02E-32M01M	60.3	10-03-69	65.0	-4.7	5001
		3-12-70	47.0	13.3	5001
8N/02E-35F03M	41.0	10-06-69	68.5	-27.5	5001
		3-11-70	46.2	-5.2	5001

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOLANO COUNTY 5-21.11 (Continued)					
8N/02E-35G02M	35.0	9-29-69	68.5	-33.5	5001
		3-12-70	44.1	-9.1	5001
8N/01W-22J01M	89.8	10-01-69	(7)		5001
		3-09-70	(0)		5001
8N/01W-22P01M	129.0	10-03-69	55.7	73.3	5001
		3-10-70	41.2	87.8	5001
8N/01W-22R02M	125.5	10-03-69	50.0	75.5	5001
		3-11-70	41.2	84.3	5001
8N/01W-23B01M	123.1	9-30-69	45.3	77.8	5001
		3-10-70	34.8	88.3	5001
8N/01W-24P01M	117.0	9-30-69	47.0	70.0	5001
8N/01W-25A02M	114.0	9-30-69	46.4	67.6	5001
		3-17-70	45.4	68.6	5001
8N/01W-26A01M	120.0	10-03-69	53.2	66.8	5001
		3-10-70	44.6	75.4	5001
8N/01W-26D05M	126.2	10-08-69	49.2	77.0	5001
		3-17-70	39.6	86.6	5001
8N/01W-26K02M	116.0	10-03-69	42.3	73.7	5001
		3-09-70	33.3	82.7	5001
8N/01W-27H01M	123.0	9-30-69	47.1	75.9	5001
		3-19-70	36.8	86.2	5001
8N/01W-27L01M	133.0	10-03-69	51.3	81.7	5001
		3-10-70	37.8	95.2	5001
8N/01W-28J01M	138.0	10-02-69	55.8	82.2	5001
		10-14-69	57.3	80.7	5050
		11-14-69	50.8	87.2	5050
		12-16-69	48.2	89.8	5050
		1-16-70	43.9	94.1	5050
		2-19-70	38.0	100.0	5050
		3-09-70	39.0	99.0	5001
		3-16-70	40.3	97.7	5050
		4-15-70	(2) 43.9	94.1	5050
		5-14-70	49.6	88.4	5050
		6-17-70	49.0	89.0	5050
		7-20-70	(1)		5050
		8-17-70	(2) 51.8	86.2	5050
		9-15-70	50.6	87.4	5050
8N/01W-28J02M	138.0	10-02-69	57.3	80.7	5001
		3-09-70	40.4	97.6	5001
8N/01W-28K01M	105.5	10-08-69	17.3	88.2	5001
		4-06-70	4.5	101.0	5001
8N/01W-28R03M	140.0	10-07-69	53.0	87.0	5001
		3-09-70	39.0	101.0	5001
8N/01W-32H01M	140.0	10-02-69	45.7	94.3	5001
		3-09-70	34.5	105.5	5001
8N/01W-33A01M	134.7	10-02-69	46.3	88.4	5001
		4-06-70	40.6	94.1	5001
8N/01W-33B02M	136.0	9-30-69	50.2	85.8	5001
		3-10-70	37.8	98.2	5001
8N/01W-33H01M	130.8	10-02-69	46.6	84.2	5001
		3-09-70	34.2	96.6	5001
8N/01W-34A01M	120.0	10-03-69	45.5	74.5	5001
		3-10-70	38.0	82.0	5001
8N/01W-34H01M	121.0	10-07-69	42.0	79.0	5001
		3-18-70	35.5	85.5	5001
8N/01W-35G02M	111.0	10-07-69	35.3	75.7	5001
		3-18-70	34.7	76.3	5001
8N/01W-36H01M	102.0	10-07-69	28.9	73.1	5001
		3-18-70	24.2	77.8	5001

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN JOAQUIN VALLEY 5-22.00					
MOKELUMNE RIVER AREA 5-22.01					
2N/06E-01A01M	37.6	10-02-69	41.9	-4.3	5050
		3-17-70	39.1	-1.5	5050
2N/06E-03D03M	22.0	10-24-69	28.4	-6.4	5110
		3-19-70	25.4	-3.4	5110
2N/06E-04E01M	17.0	9-01-69	31.8	-14.8	5110
		5-01-70	29.2	-12.2	5110
		9-01-70	32.7	-15.7	5110
2N/06E-04F01M	18.0	9-01-69	31.2	-13.2	5110
		5-01-70	28.4	-10.4	5110
		9-01-70	32.5	-14.5	5110
2N/06E-08C02M	13.0	9-01-69	19.2	-6.2	5110
		5-01-70	10.7	2.3	5110
		9-01-70	15.2	-2.2	5110
2N/06E-08F01M	9.6	10-24-69	21.8	-12.2	5110
		3-20-70	18.8	-9.2	5110
2N/06E-09C02M	18.0	3-26-70	23.7	-5.7	5050
2N/06E-11E11M	23.5	10-01-69	18.4	5.1	8201
		3-02-70	26.0	-2.5	8201
2N/06E-12H01M	31.8	10-02-69	31.5	0.3	5050
		3-17-70	36.0	-4.2	5050
2N/06E-13M01M	26.7	10-23-69	33.5	-6.8	5110
		3-18-70	(3)		5110
		4-21-70	36.2	-9.5	5050
2N/06E-13R02M	30.0	10-23-69	44.5	-14.5	5110
		3-18-70	45.0	-15.0	5110
2N/06E-15J01M	20.3	10-24-69	30.7	-10.4	5110
		3-20-70	32.7	-12.4	5110
2N/06E-16E03M	12.0	9-01-69	46.5	-34.5	5110
		5-01-70	41.8	-29.8	5110
		9-01-70	57.2	-45.2	5110
2N/06E-16L01M	11.5	10-24-69	36.7	-25.2	5110
		3-20-70	29.9	-18.4	5110
2N/06E-17A01M	12.0	9-01-69	42.3	-30.3	5110
		5-01-70	41.8	-29.8	5110
		9-01-70	41.4	-29.4	5110
2N/06E-17J01M	11.2	10-02-69	43.3	-32.1	5050
		3-17-70	28.7	-17.5	5050
2N/06E-20A01M	7.5	10-02-69	42.2	-34.7	5050
		3-17-70	27.2	-19.7	5050
2N/06E-20F01M	14.8	10-02-69	28.8	-14.0	5050
		3-17-70	17.8	-3.0	5050
2N/06E-20J01M	7.0	9-01-69	51.0	-44.0	5110
		5-01-70	40.9	-33.9	5110
		9-01-70	53.0	-46.0	5110
2N/06E-20L01M	4.0	9-01-69	45.2	-41.2	5110
		5-01-70	35.2	-31.2	5110
		9-01-70	44.5	-40.5	5110
2N/06E-21C01M	10.0	5-01-70	50.0	-40.0	5110
		9-01-70	64.3	-54.3	5110
2N/06E-21C02M	10.0	9-01-69	64.7	-54.7	5110
		5-01-70	49.9	-39.9	5110
		9-01-70	66.9	-56.9	5110
2N/06E-21F01M	10.0	9-01-69	55.2	-45.2	5110
		5-01-70	47.7	-37.7	5110
		9-01-70	57.0	-47.0	5110
2N/06E-21G01M	11.0	9-01-69	50.1	-39.1	5110
		5-01-70	43.2	-32.2	5110
		9-01-70	54.4	-43.4	5110
2N/06E-21K01M	13.0	10-25-69	66.0	-53.0	4701
		3-25-70	64.0	-51.0	4701

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
MOKELUMNE RIVER AREA 5-22.01 (Continued)					
2N/06E-21P01M	11.0	10-25-69	52.0	-41.0	4701
		3-25-70	40.0	-29.0	4701
2N/06E-22B01M	17.0	10-25-69	52.0	-35.0	4701
		3-25-70	50.0	-33.0	4701
2N/06E-22D01M	17.2	10-02-69	52.3	-35.1	5050
		3-17-70	40.7	-23.5	5050
2N/06E-24J02M	30.1	10-23-69	50.4	-20.3	5110
		3-18-70	51.4	-21.3	5110
2N/06E-24J03M	26.8	10-02-69	47.6	-20.8	5050
		3-17-70	46.1	-19.3	5050
2N/06E-26H01M	22.8	10-23-69	59.3	-36.5	5110
		3-18-70	48.3	-25.5	5110
2N/06E-27B01M	16.0	10-25-69	55.0	-39.0	4701
		4-25-70	50.0	-34.0	4701
2N/06E-28E03M	7.2	10-28-69	29.3	-22.1	5050
		11-28-69	28.2	-21.0	5050
		12-29-69	26.4	-19.2	5050
		1-28-70	25.1	-17.9	5050
		3-27-70	24.4	-17.2	5050
		3-30-70	27.8	-20.6	5050
		4-30-70	29.3	-22.1	5050
		5-30-70	34.5	-27.3	5050
		6-30-70	35.9	-28.7	5050
		7-31-70	39.5	-32.3	5050
		8-31-70	39.4	-32.2	5050
		9-30-70	38.3	-31.1	5050
2N/06E-28P01M	7.0	3-26-70	20.1	-13.1	5050
2N/06E-29N01M	1.0	3-26-70	6.5	-5.5	5050
3N/05E-03J01M	7.0	3-26-70	(4)(0)		5050
3N/05E-13L01M	12.0	10-24-69	16.5	-4.5	5110
		3-20-70	11.8	0.2	5110
3N/05E-14C01M	6.7	10-24-69	7.5	-0.8	5110
		3-20-70	6.0	0.7	5110
3N/05E-24L01M	8.0	3-26-70	8.6	-0.6	5050
3N/06E-01J01M	51.8	10-01-69	35.2	16.6	8201
		3-02-70	33.6	18.2	8201
3N/06E-01N02M	46.8	10-01-69	36.7	10.1	8201
		3-02-70	33.2	13.6	8201
3N/06E-01R13M	53.1	10-01-69	43.2	9.9	8201
		3-02-70	39.4	13.7	8201
3N/06E-03K11M	41.0	10-07-69	28.9	12.1	5050
		3-18-70	27.4	13.6	5050
3N/06E-04C01M	35.0	3-26-70	19.4	15.6	5050
3N/06E-07H03M	23.4	10-24-69	22.4	1.0	5110
		3-20-70	19.9	3.5	5110
3N/06E-09F06M	32.0	10-24-69	29.0	3.0	5110
		3-19-70	26.5	5.5	5110
3N/06E-12P01M	45.0	10-24-69	(3)		5110
		3-19-70	44.2	0.8	5110
3N/06E-12Q32M	48.8	10-01-69	47.1	1.7	8201
		3-02-70	45.1	3.7	8201
3N/06E-13R08M	45.6	10-02-69	50.7	-5.1	5050
		3-17-70	44.4	1.2	5050
3N/06E-17D11M	23.8	10-01-69	30.7	-6.9	8201
		3-02-70	25.0	-1.2	8201
3N/06E-20Q01M	18.0	10-24-69	41.5	-23.5	5110
		3-20-70	28.0	-10.0	5110
3N/06E-22D01M	27.0	10-24-69	32.0	-5.0	5110
		3-19-70	27.5	-0.5	5110
MOKELUMNE RIVER AREA 5-22.01 (Continued)					
3N/06E-24M01M	39.9	3-31-70	41.2	-1.3	5050
3N/06E-25H11M	41.0	10-02-69	49.3	-8.3	8201
		3-02-70	44.9	-3.9	8201
3N/06E-25R05M	39.6	10-02-69	48.5	-8.9	5050
		3-17-70	43.1	-3.5	5050
3N/06E-26P02M	32.4	10-24-69	34.6	-2.2	5110
		3-19-70	33.6	-1.2	5110
3N/06E-27E01M	25.3	10-24-69	33.5	-8.2	5110
		3-19-70	31.5	-6.2	5110
3N/06E-29C01M	17.2	10-24-69	43.0	-25.8	5110
		3-20-70	25.3	-8.1	5110
3N/06E-30R01M	12.0	10-24-69	28.5	-16.5	5110
		3-20-70	19.5	-7.5	5110
3N/06E-32R01M	15.0	10-24-69	28.5	-13.5	5110
		3-20-70	23.0	-8.0	5110
3N/06E-35P02M	28.4	10-07-69	27.1	1.3	5050
		3-18-70	28.8	-0.4	5050
3N/06E-36R02M	38.0	10-03-69	43.1	-5.1	8201
		3-02-70	40.3	-2.3	8201
3N/07E-02C02M	84.6	10-02-69	58.0	26.6	8201
		3-02-70	53.4	31.2	8201
3N/07E-02G01M	84.0	10-09-69	79.6	4.4	5050
		3-19-70	72.3	11.7	5050
3N/07E-03C01M	83.2	10-06-69	DRY		8201
		1-06-70	DRY		8201
3N/07E-03R01M	74.8	10-24-69	70.1	4.7	5110
		3-19-70	64.6	10.2	5110
3N/07E-06Q04M	57.0	10-24-69	52.5	4.5	5110
		3-19-70	42.2	14.8	5110
3N/07E-07M01M	52.6	10-02-69	49.5	3.1	8201
		3-02-70	44.4	8.2	8201
		7-01-70	(0)		8201
3N/07E-08B12M	64.4	10-03-69	55.7	8.7	8201
		3-02-70	52.6	11.8	8201
3N/07E-08E02M	60.0	10-24-69	62.5	-2.5	5110
		3-19-70	51.7	8.3	5110
3N/07E-09C01M	68.3	10-24-69	64.0	4.3	5110
		3-19-70	60.0	8.3	5110
3N/07E-10L04M	72.8	10-06-69	73.5	-0.7	8201
		11-03-69	71.1	1.7	8201
		12-01-69	70.0	2.8	8201
		1-06-70	68.9	3.9	8201
		2-03-70	67.6	5.2	8201
		3-02-70	66.7	6.1	8201
		4-01-70	67.8	5.0	8201
		5-04-70	76.7	-3.9	8201
		6-01-70	74.5	-1.7	8201
		7-01-70	(1)		8201
		8-01-70	(1)		8201
		9-02-70	76.7	-3.9	8201
3N/07E-12P01M	77.0	3-30-70	78.9	-1.9	5050
3N/07E-17K02M	57.0	10-24-69	63.0	-6.0	5110
		3-19-70	56.5	0.5	5110
3N/07E-18D12M	50.0	10-28-69	50.1	-0.1	5050
		3-30-70	47.9	2.1	5050
3N/07E-18N12M	47.4	10-02-69	53.2	-5.8	8201
		3-02-70	46.5	0.9	8201
3N/07E-19N02M	42.0	10-01-69	52.7	-10.7	5050
		3-17-70	44.2	-2.2	5050
3N/07E-20P02M	49.9	10-23-69	(9)		5110
		3-19-70	57.5	-7.6	5110

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
MOKELUMNE RIVER AREA 5-22.01 (Continued)					
3N/07E-22C11M	66.6	10-06-69	76.0	-9.4	8201
		3-02-70	70.4	-3.8	8201
3N/07E-23C02M	72.0	10-24-69	78.0	-6.0	5110
		3-19-70	73.0	-1.0	5110
3N/07E-25C01M	70.1	10-22-69	83.8	-13.7	5110
		3-18-70	80.3	-10.2	5110
3N/07E-25G01M	75.7	10-22-69	86.0	-10.3	5110
		3-18-70	79.7	-4.0	5110
3N/07E-27F13M	61.1	10-03-69	73.8	-12.7	8201
		3-02-70	67.7	-6.6	8201
3N/07E-31B01M	41.0	10-23-69	52.0	-11.0	5110
		3-19-70	47.5	-6.5	5110
3N/08E-03R01M	146.0	10-22-69	94.0	52.0	5110
		3-19-70	93.5	52.5	5110
3N/08E-04Q01M	120.6	10-07-69	119.0	1.6	8201
		1-19-70	116.8	3.8	8201
3N/08E-05B02M	108.0	10-07-69	109.5	-1.5	8201
		1-08-70	102.2	5.8	8201
3N/08E-05K11M	107.5	10-07-69	113.8	-6.3	8201
		1-08-70	107.0	0.5	8201
3N/08E-07D02M	86.0	3-31-70	89.3	-3.3	5050
3N/08E-08E01M	95.8	10-22-69	102.3	-6.5	5110
		3-19-70	93.3	2.5	5110
3N/08E-09Q11M	126.3	10-07-69	131.0	-4.7	8201
		1-08-70	128.6	-2.3	8201
3N/08E-15L01M	127.7	10-07-69	133.6	-5.9	8201
		1-08-70	128.3	-0.6	8201
3N/08E-19C01M	82.0	10-22-69	99.5	-17.5	5110
		3-19-70	88.5	-6.5	5110
3N/08E-20B01M	97.0	10-09-69	111.8	-14.8	5050
		3-19-70	103.5	-6.5	5050
3N/08E-20K01M	92.7	10-03-69	102.9	-10.2	8201
		1-06-70	100.8	-8.1	8201
3N/08E-22A01M	136.5	10-22-69	(7)		5110
		3-19-70	133.6	2.9	5110
3N/08E-30H01M	84.9	10-22-69	96.6	-11.7	5110
		3-18-70	88.6	-3.7	5110
4N/05E-01H11M	19.9	10-20-69	(9)		5050
		3-26-70	10.3	9.6	5050
4N/05E-03D02M	7.8	10-29-69	13.0	-5.2	5110
		3-19-70	(7)		5110
4N/05E-05C02M	5.0	10-29-69	(7)		5110
		3-19-70	(7)		5110
4N/05E-05H01M	4.0	10-29-69	6.7	-2.7	5110
		3-19-70	5.0	-1.0	5110
4N/05E-09D01M	0.0	10-29-69	5.3	-5.3	5110
		3-19-70	1.8	-1.8	5110
4N/05E-10K01M	6.3	10-28-69	7.8	-1.5	5110
		3-19-70	4.8	1.5	5110
4N/05E-13H01M	19.6	10-28-69	14.1	5.5	5110
		3-19-70	6.6	13.0	5110
4N/05E-22A01M	8.2	10-28-69	4.1	4.1	5110
		3-19-70	3.6	4.6	5110
4N/05E-24C02M	14.0	10-28-69	7.0	7.0	5110
		3-19-70	4.5	9.5	5110
4N/05E-26K02M	13.0	10-08-69	6.2	6.8	5050
		10-28-69	6.5	6.5	5110
		3-18-70	4.4	8.6	5050
		3-19-70	4.5	8.5	5110

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
MOKELUMNE RIVER AREA 5-22.01 (Continued)					
4N/05E-36P01M	16.0	10-28-69	9.5	6.5	5110
		3-18-70	(6)		5110
4N/06E-03A12M	48.3	10-02-69	(1)		8201
		1-05-70	52.0	-3.7	8201
4N/06E-05Q01M	30.0	10-20-69	36.9	-6.9	5050
		3-26-70	23.3	6.7	5050
4N/06E-05R11M	34.0	10-20-69	42.2	-8.2	5050
		3-26-70	27.7	6.3	5050
4N/06E-06N12M	21.0	10-20-69	21.5	-0.5	5050
		3-26-70	13.3	7.7	5050
4N/06E-07B11M	26.0	10-20-69	25.2	0.8	5050
		3-26-70	16.9	9.1	5050
4N/06E-11B01M	47.0	10-10-69	68.4	-21.4	5001
		3-20-70	63.1	-16.1	5001
4N/06E-12C04M	55.0	10-28-69	70.5	-15.5	5110
		3-18-70	66.0	-11.0	5110
4N/06E-12N02M	52.0	10-28-69	63.3	-11.3	5110
		3-18-70	(7)		5110
4N/06E-12R11M	57.9	10-02-69	75.4	-17.5	8201
		3-02-70	64.7	-6.8	8201
4N/06E-13G01M	56.0	10-28-69	62.5	-6.5	5110
		3-17-70	57.0	-1.0	5110
4N/06E-15B02M	40.0	10-28-69	42.7	-2.7	5110
		3-18-70	(7)		5110
4N/06E-17D01M	23.8	10-28-69	18.7	5.1	5110
		3-18-70	11.0	12.8	5110
4N/06E-19F01M	21.8	3-26-70	8.2	13.6	5050
4N/06E-19R11M	26.7	10-02-69	14.5	12.2	8201
		3-02-70	12.1	14.6	8201
4N/06E-21D01M	31.0	3-26-70	15.2	15.8	5050
4N/06E-22M01M	38.2	10-28-69	24.5	13.7	5110
		3-18-70	20.5	17.7	5110
4N/06E-23M01M	45.2	10-02-69	38.3	6.9	8201
		3-02-70	33.5	11.7	8201
4N 06E-24F01M	55.0	10-27-69	52.0	3.0	5110
		3-17-70	43.5	11.5	5110
4N/06E-25R01M	55.0	10-27-69	43.5	11.5	5110
		3-17-70	40.0	15.0	5110
4N/06E-27D02M	34.5	10-28-69	14.5	20.0	5110
		3-18-70	9.5	25.0	5110
4N/06E-29A01M	33.0	10-28-69	13.2	19.8	5110
		3-18-70	13.2	19.8	5110
4N/06E-29N02M	26.0	10-28-69	15.3	10.7	5110
		3-18-70	13.0	13.0	5110
4N/06E-31P01M	24.0	10-28-69	13.2	10.8	5110
		3-18-70	12.0	12.0	5110
4N/06E-33B04M	36.0	3-26-70	15.1	20.9	5050
4N/06E-34R30M	43.2	10-01-69	22.8	20.4	8201
		3-02-70	24.9	18.3	8201
4N/06E-36D02M	49.1	10-02-69	28.5	20.6	8201
		3-02-70	27.7	21.4	8201
4N/07E-01B01M	105.0	10-10-69	125.6	-20.6	5001
		3-25-70	97.8	7.2	5001
4N/07E-03B01M	93.2	10-10-69	113.8	-20.6	5001
		3-25-70	97.8	-4.6	5001
4N/07E-04B12M	85.0	10-28-69	93.7	-8.7	5110
		3-18-70	88.7	-3.7	5110

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
MOKELUMNE RIVER AREA 5-22.01 (Continued)					
4N/07E-04Q12M	83.4	10-06-69	(1)		8201
		1-07-70	87.8	-4.4	8201
4N/07E-07A01M	68.0	10-28-69	99.0	-31.0	5110
		3-17-70	(7)		5110
		4-22-70	80.8	-12.8	5050
4N/07E-07H11M	67.6	10-02-69	83.5	-15.9	8201
		1-05-70	77.4	-9.8	8201
4N/07E-09D12M	77.4	10-06-69	91.8	-14.4	8201
		1-07-70	84.0	-6.6	8201
4N/07E-12E01M	105.7	10-27-69	110.2	-4.5	5110
		3-20-70	98.2	7.5	5110
4N/07E-14E01M	93.1	10-27-69	84.0	9.1	5110
		3-20-70	82.0	11.1	5110
4N/07E-14Q02M	98.0	3-31-70	88.8	9.2	5050
4N/07E-15B11M	91.2	10-07-69	94.8	-3.6	8201
		3-02-70	90.5	0.7	8201
4N/07E-17N01M	67.0	10-27-69	77.8	-10.8	5110
		3-17-70	69.3	-2.3	5110
4N/07E-18M01M	57.8	10-28-69	66.2	-8.4	5050
		11-28-69	64.7	-6.9	5050
		12-29-69	63.3	-5.5	5050
		3-31-70	59.1	-1.3	5050
4N/07E-18P30M	61.4	10-02-69	67.4	-6.0	8201
		3-02-70	60.3	1.1	8201
4N/07E-19K01M	62.4	10-27-69	66.5	-4.1	5110
		3-17-70	57.0	5.4	5110
4N/07E-21F01M	78.2	10-27-69	77.0	1.2	5110
		3-20-70	69.5	8.7	5110
4N/07E-22Q05M	83.8	10-06-69	77.4	6.4	8201
		3-02-70	69.8	14.0	8201
4N/07E-25G15M	88.8	10-07-69	83.5	5.3	8201
		3-02-70	72.5	16.3	8201
4N/07E-27P01M	81.5	10-06-69	39.7	41.8	8201
		3-02-70	34.7	46.8	8201
4N/07E-28J02M	74.8	10-27-69	68.0	6.8	5110
		3-20-70	68.0	6.8	5110
4N/07E-29H01M	70.6	10-06-69	64.2	6.4	8201
		3-02-70	57.2	13.4	8201
4N/07E-30E04M	57.2	10-02-69	49.6	7.6	8201
		3-02-70	44.2	13.0	8201
4N/07E-31M13M	55.2	10-02-69	32.5	22.7	8201
		3-02-70	29.8	25.4	8201
4N/07E-31N11M	45.9	10-02-69	12.5	33.4	8201
		3-02-70	12.1	33.8	8201
4N/07E-33H01M	73.4	10-27-69	39.4	34.0	5110
		3-20-70	34.9	38.5	5110
4N/07E-34F11M	61.6	10-06-69	16.4	45.2	8201
		3-02-70	11.0	50.6	8201
4N/07E-34L03M	85.6	10-06-69	43.5	42.1	8201
		3-02-70	39.0	46.6	8201
4N/07E-36L01M	90.0	10-27-69	83.0	7.0	5110
		3-20-70	76.8	13.2	5110
4N/08E-01K01M	170.7	10-09-69	101.5	69.2	8201
		1-09-70	101.2	69.5	8201
4N/08E-04N01M	140.0	10-27-69	137.0	3.0	5110
		3-20-70	126.5	13.5	5110
4N/08E-04P13M	139.5	10-08-69	125.2	14.3	8201
		1-09-70	121.6	17.9	8201
MOKELUMNE RIVER AREA 5-22.01 (Continued)					
4N/08E-06C02M	105.0	10-09-69	110.3	-5.3	5050
		3-19-70	96.2	8.8	5050
4N/08E-06N02M	116.0	10-27-69	115.0	1.0	5110
		3-20-70	110.0	6.0	5110
4N/08E-14K01M	150.0	10-27-69	112.9	37.1	5110
		3-20-70	110.4	39.6	5110
4N/08E-17J01M	131.9	10-27-69	120.9	11.0	5110
		3-20-70	114.4	17.5	5110
4N/08E-18L12M	122.4	10-08-69	121.4	1.0	8201
		1-09-70	115.9	6.5	8201
4N/08E-21M01M	114.0	10-27-69	(2)		5110
		3-20-70	98.1	15.9	5110
4N/08E-22C01M	126.0	10-27-69	58.2	67.8	5110
		3-20-70	57.7	68.3	5110
4N/08E-25L01M	192.9	10-08-69	157.9	35.0	8201
		1-15-70	157.8	35.1	8201
4N/08E-26A12M	159.3	10-08-69	DRY		8201
		1-15-70	DRY		8201
4N/08E-27J11M	195.4	10-08-69	178.0	17.4	8201
		1-08-70	171.2	24.2	8201
4N/08E-28H11M	131.2	10-08-69	(1)		8201
		1-08-70	113.2	18.0	8201
4N/08E-30A11M	70.3	10-07-69	15.7	54.6	8201
		1-08-70	17.1	53.2	8201
4N/08E-32N01M	105.0	10-27-69	106.0	-1.0	5110
		3-20-70	99.5	5.5	5110
4N/08E-34E01M	158.7	10-08-69	146.6	12.1	8201
		1-08-70	143.3	15.4	8201
4N/08E-34Q11M	162.6	10-08-69	148.4	14.2	8201
		1-08-70	146.9	15.7	8201
4N/08E-35P01M	196.0	10-27-69	89.9	106.1	5110
		3-20-70	88.4	107.6	5110
4N/08E-36P01M	209.0	10-09-69	199.8	9.2	5050
		3-19-70	200.1	8.9	5050
4N/09E-06L11M	125.6	10-09-69	8.5	117.1	8201
		1-09-70	6.5	119.1	8201
4N/09E-07K02M	172.7	10-10-69	31.2	141.5	8201
		1-12-70	31.0	141.7	8201
4N/09E-15M11M	191.6	10-10-69	41.7	149.9	8201
		1-13-70	42.4	149.2	8201
4N/09E-16D13M	191.4	10-10-69	3.4	188.0	8201
		3-06-70	6.6	184.8	8201
4N/09E-20M01M	238.8	10-14-69	144.0	94.8	8201
		1-15-70	145.0	93.8	8201
4N/09E-21A01M	216.4	10-14-69	54.6	161.8	8201
		1-15-70	54.5	161.9	8201
4N/09E-28C02M	313.4	10-14-69	136.1	177.3	8201
		1-15-70	136.0	177.4	8201
4N/09E-31M01M	250.0	10-27-69	219.2	30.8	5110
		3-20-70	219.2	30.8	5110
5N/05E-28L03M	6.0	10-29-69	7.3	-1.3	5110
		3-19-70	4.5	1.5	5110
5N/05E-32M01M	1.5	10-29-69	8.7	-7.2	5110
		3-19-70	6.7	-5.2	5110
5N/06E-36R01M	63.1	10-28-69	87.9	-24.8	5110
		3-18-70	72.9	-9.8	5110

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
MOKELUMNE RIVER AREA 5-22.01 (Continued)					
5N/07E-31J01M	71.5	10-10-69	85.9	-14.4	5001
		10-28-69	86.5	-15.0	5110
		3-18-70	(7)		5110
		3-24-70	81.7	-10.2	5001
5N/07E-34G01M	88.8	10-27-69	105.9	-17.1	5110
		3-20-70	87.9	0.9	5110
5N/08E-16Q01M	125.0	3-24-70	(3) 60.1	64.9	5050
5N/08E-24Q11M	257.2	10-09-69	(1)		8201
		3-09-70	(8)		8201
5N/08E-25P11M	265.7	10-09-69	201.1	64.6	8201
		1-13-70	200.9	64.8	8201
5N/08E-31R01M	137.0	10-27-69	135.3	1.7	5110
		3-20-70	127.4	9.6	5110
5N/08E-32R11M	162.1	10-09-69	(1)		8201
		1-12-70	149.3	12.8	8201
5N/08E-34G11M	224.8	10-09-69	197.8	27.0	8201
		1-20-70	198.0	26.8	8201
5N/08E-35K12M	188.6	10-09-69	142.5	46.1	8201
		1-12-70	142.9	45.7	8201
CALAVERAS RIVER AREA 5-22.02					
1N/06E-01J01M	22.0	10-25-69	92.0	-70.0	4701
		3-25-70	80.0	-58.0	4701
1N/06E-01L03M	20.0	10-03-69	(2)		5050
		3-17-70	68.0	-48.0	5050
1N/06E-02C01M	19.0	10-03-69	76.0	-57.0	5050
		3-17-70	62.3	-43.3	5050
1N/06E-02J02M	17.0	10-03-69	89.2	-72.2	5050
		3-17-70	69.9	-52.9	5050
1N/06E-02M01M	16.0	10-25-69	71.0	-55.0	4701
		3-25-70	67.0	-51.0	4701
1N/06E-02Q01M	16.0	10-25-69	75.0	-59.0	4701
		3-25-70	65.0	-49.0	4701
1N/06E-03C01M	10.0	10-25-69	60.0	-50.0	4701
		3-25-70	54.0	-44.0	4701
1N/06E-03C03M	9.0	10-02-69	62.0	-53.0	5050
		3-17-70	41.1	-32.1	5050
1N/06E-03K01M	11.0	10-03-69	51.6	-40.6	5050
		3-17-70	42.0	-31.0	5050
1N/06E-04B01M	6.0	10-25-69	45.0	-39.0	4701
		3-25-70	36.0	-30.0	4701
1N/06E-04D01M	4.0	10-25-69	52.0	-48.0	4701
		3-25-70	32.0	-28.0	4701
1N/06E-04J01M	8.4	10-02-69	40.2	-31.8	5050
		3-17-70	28.5	-20.1	5050
1N/06E-05F01M	0.0	3-26-70	6.1	-6.1	5050
1N/06E-10R01M	14.0	10-02-69	52.7	-38.7	5050
		3-17-70	48.4	-34.4	5050
1N/06E-11C01M	14.0	10-03-69	(2)		5050
		3-17-70	(2)		5050
1N/06E-11K01M	17.0	10-25-69	120.0	-103.0	4701
		4-25-70	70.0	-53.0	4701
1N/06E-12A01M	23.0	10-25-69	85.0	-62.0	4701
		4-25-70	82.0	-59.0	4701
1N/06E-12G01M	21.2	10-02-69	107.5	-86.3	5050
		3-17-70	74.5	-53.3	5050
1N/06E-12J01M	22.5	10-07-69	89.0	-66.5	5050
		3-17-70	77.9	-55.4	5050
CALAVERAS RIVER AREA 5-22.02 (Continued)					
1N/06E-12N01M	19.0	10-25-69	128.0	-109.0	4701
		4-25-70	75.0	-56.0	4701
1N/06E-13G01M	19.0	10-01-69	76.1	-57.1	5050
		3-17-70	66.2	-47.2	5050
1N/06E-13J01M	20.0	10-25-69	84.0	-64.0	4701
		4-25-70	70.0	-50.0	4701
1N/06E-14Q03M	14.3	10-28-69	51.5	-37.2	5050
		11-28-69	51.2	-36.9	5050
		12-29-69	50.4	-36.1	5050
		1-28-70	49.5	-35.2	5050
		2-27-70	48.3	-34.0	5050
		3-30-70	47.3	-33.0	5050
		4-30-70	47.8	-33.5	5050
		5-30-70	49.2	-34.9	5050
		6-30-70	50.1	-35.8	5050
		7-31-70	51.5	-37.2	5050
		8-31-70	53.9	-39.6	5050
		9-30-70	54.0	-39.7	5050
1N/06E-16H01M	4.0	10-28-69	29.2	-25.2	5050
		3-26-70	24.1	-20.1	5050
1N/06E-17A01M	4.0	3-26-70	7.2	-3.2	5050
1N/06E-23D01M	9.0	3-26-70	30.4	-21.4	5050
1N/06E-23D02M	9.0	10-28-69	34.2	-25.2	5050
		3-26-70	30.6	-21.6	5050
1N/07E-01A02M	62.0	10-28-69	94.5	-32.5	5550
		3-23-70	81.5	-19.5	5550
1N/07E-01J02M	60.0	10-28-69	92.0	-32.0	5550
		3-23-70	80.5	-20.5	5550
1N/07E-01M01M	54.2	10-21-69	(3)		5110
		3-17-70	(3)		5110
		4-22-70	84.2	-30.0	5050
1N/07E-02F01M	48.0	10-28-69	82.5	-34.5	5550
		3-24-70	74.0	-26.0	5550
1N/07E-02G01M	50.0	10-28-69	92.0	-42.0	5550
		3-23-70	(7)		5550
1N/07E-03L01M	43.0	10-28-69	80.0	-37.0	5550
		3-24-70	71.5	-28.5	5550
1N/07E-03M01M	41.0	10-28-69	78.5	-37.5	5550
		3-24-70	73.0	-32.0	5550
1N/07E-04N01M	34.0	10-28-69	81.5	-47.5	5550
		3-23-70	76.5	-42.5	5550
1N/07E-04P03M	35.4	10-21-69	(9)		5110
		3-20-70	76.4	-41.0	5110
1N/07E-04R01M	39.0	10-28-69	82.5	-43.5	5550
		3-23-70	74.5	-35.5	5550
1N/07E-05A01M	33.0	10-25-69	85.0	-52.0	4701
		4-25-70	77.0	-44.0	4701
1N/07E-05N01M	28.0	10-25-69	94.0	-66.0	4701
		4-25-70	88.0	-60.0	4701
1N/07E-07E01M	25.0	10-25-69	95.0	-70.0	4701
		3-25-70	84.0	-59.0	4701
1N/07E-07F01M	25.8	10-02-69	98.0	-72.2	5050
		3-17-70	82.2	-56.4	5050
1N/07E-08B01M	30.0	10-30-69	94.0	-64.0	5550
		3-23-70	92.0	-62.0	5550
1N/07E-08R02M	31.5	10-21-69	93.5	-62.0	5110
		3-20-70	87.0	-55.5	5110
1N/07E-09E04M	33.0	10-28-69	96.0	-63.0	5550
		3-23-70	84.5	-51.5	5550
1N/07E-09H01M	39.0	10-28-69	87.0	-48.0	5550
		3-23-70	83.0	-44.0	5550

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CALAVERAS RIVER AREA 5-22.02 (Continued)					
1N/07E-09Q03M	38.0	10-28-69	86.2	-48.2	5550
		3-23-70	81.0	-43.0	5550
1N/07E-10D01M	39.0	10-28-69	83.0	-44.0	5550
		3-23-70	(3)		5550
1N/07E-10G01M	43.0	10-28-69	81.5	-38.5	5550
		3-23-70	78.0	-35.0	5550
1N/07E-17A01M	31.0	10-28-69	94.0	-63.0	5550
		3-23-70	88.5	-57.5	5550
1N/07E-18B01M	26.0	10-25-69	84.0	-58.0	4701
		3-25-70	80.0	-54.0	4701
1N/08E-02B01M	84.0	3-31-70	96.4	-12.4	5050
1N/08E-02J01M	86.0	3-31-70	(9)		5050
1N/08E-03P01M	80.0	10-20-69	113.0	-33.0	5110
		3-16-70	96.0	-16.0	5110
1N/08E-05J01M	71.0	10-20-69	108.0	-37.0	5110
		3-16-70	92.5	-21.5	5110
1N/09E-01C01M	191.0	10-20-69	146.7	44.3	5110
		3-16-70	144.2	46.8	5110
1N/09E-02D01M	156.0	3-31-70	117.4	38.6	5050
1N/09E-05B01M	139.5	3-31-70	132.2	7.3	5050
1N/09E-05J01M	153.0	10-20-69	142.5	10.5	5110
		3-16-70	137.5	15.5	5110
		4-21-70	(1)		5050
1N/09E-06B01M	136.0	3-31-70	135.9	0.1	5050
1N/09E-06N01M	118.5	10-20-69	(8)		5110
		3-16-70	123.0	-4.5	5110
2N/06E-33N01M	4.0	10-25-69	50.0	-46.0	4701
		3-25-70	43.0	-39.0	4701
2N/06E-34K02M	12.0	10-25-69	60.0	-48.0	4701
		3-25-70	51.0	-39.0	4701
2N/06E-34L01M	15.8	10-02-69	71.4	-55.6	5050
		3-17-70	47.2	-31.4	5050
2N/06E-35D02M	17.5	10-02-69	68.8	-51.3	5050
		3-17-70	54.4	-36.9	5050
2N/06E-36A01M	26.0	10-25-69	70.0	-44.0	4701
		4-25-70	63.0	-37.0	4701
2N/06E-36D01M	22.0	10-25-69	63.0	-41.0	4701
		3-25-70	58.0	-36.0	4701
2N/06E-36N02M	20.4	10-02-69	(4)		5050
		3-17-70	(4)		5050
2N/06E-36R03M	24.0	10-25-69	82.0	-58.0	4701
		3-25-70	71.0	-47.0	4701
2N/07E-03N03M	55.2	10-23-69	(3)		5110
		3-18-70	(3)		5110
		4-22-70	(0)		5050
2N/07E-05E01M	41.1	10-23-69	53.1	-12.0	5110
		3-19-70	48.1	-7.0	5110
2N/07E-05R01M	46.0	10-23-69	63.9	-17.9	5110
		3-18-70	(5)		5110
		4-22-70	57.1	-11.1	5050
2N/07E-06L03M	37.0	9-01-69	47.3	-10.3	5110
		5-01-70	43.6	-6.6	5110
		9-01-70	46.0	-9.0	5110
2N/07E-06P02M	36.0	9-01-69	50.0	-14.0	5110
		5-01-70	47.0	-11.0	5110
		9-01-70	48.8	-12.8	5110
2N/07E-07C03M	36.0	9-01-69	45.0	-9.0	5110
		5-01-70	42.5	-6.5	5110
		9-01-70	44.7	-8.7	5110
CALAVERAS RIVER AREA 5-22.02 (Continued)					
2N/07E-07J05M	37.0	9-01-69	59.6	-22.6	5110
		5-01-70	53.1	-16.1	5110
		9-01-70	60.7	-23.7	5110
2N/07E-07K04M	36.0	9-01-69	55.6	-19.6	5110
		5-01-70	50.7	-14.7	5110
		9-01-70	55.4	-19.4	5110
2N/07E-07R05M	37.0	10-23-69	57.0	-20.0	5110
		3-18-70	51.5	-14.5	5110
2N/07E-08D01M	42.0	10-23-69	58.7	-16.7	5110
		3-18-70	53.2	-11.2	5110
2N/07E-08K03M	44.5	10-23-69	68.5	-24.0	5110
		3-18-70	60.5	-16.0	5110
2N/07E-08R01M	46.0	10-07-69	65.9	-19.9	5050
		3-18-70	60.5	-14.5	5050
2N/07E-09B02M	54.0	10-22-69	69.4	-15.4	5110
		3-18-70	63.9	-9.9	5110
2N/07E-11F01M	58.0	10-23-69	76.0	-18.0	5110
		3-18-70	69.0	-11.0	5110
2N/07E-12A01M	72.2	10-23-69	87.5	-15.3	5110
		3-18-70	80.0	-7.8	5110
2N/07E-12A03M	72.2	10-07-69	90.5	-18.3	5050
		3-18-70	79.7	-7.5	5050
2N/07E-14P01M	57.3	10-22-69	82.3	-25.0	5110
		3-17-70	72.8	-15.5	5110
2N/07E-15C01M	51.7	10-23-69	93.0	-41.3	5110
		3-18-70	68.5	-16.8	5110
2N/07E-16L01M	46.2	10-23-69	71.0	-24.8	5110
		3-18-70	65.5	-19.3	5110
2N/07E-18B01M	34.0	9-01-69	52.6	-18.6	5110
		5-01-70	49.5	-15.5	5110
		9-01-70	53.5	-19.5	5110
2N/07E-18E01M	33.3	10-02-69	40.5	-7.2	5050
		3-17-70	40.7	-7.4	5050
2N/07E-18H02M	36.0	9-01-69	61.1	-25.1	5110
		5-01-70	56.7	-20.7	5110
		9-01-70	64.5	-28.5	5110
2N/07E-18K01M	36.5	10-23-69	54.0	-17.5	5110
		3-18-70	(9)		5110
2N/07E-20N02M	35.0	10-23-69	72.5	-37.5	5110
		3-18-70	59.0	-24.0	5110
2N/07E-21K02M	45.0	10-29-69	88.5	-43.5	5550
		3-24-70	67.5	-22.5	5550
2N/07E-21N01M	40.0	10-29-69	82.0	-42.0	5550
		3-24-70	67.0	-27.0	5550
2N/07E-22H01M	52.0	10-25-69	84.0	-32.0	5550
		3-24-70	76.0	-24.0	5550
2N/07E-23B01M	57.0	10-28-69	87.0	-30.0	5550
		3-24-70	77.5	-20.5	5550
2N/07E-23J02M	59.6	10-22-69	100.2	-40.6	5110
		3-17-70	86.2	-26.6	5110
2N/07E-24B01M	65.4	10-22-69	94.5	-29.1	5110
		3-17-70	80.5	-15.1	5110
2N/07E-24J01M	65.0	10-28-69	90.0	-25.0	5550
		3-23-70	85.0	-20.0	5550
2N/07E-24Q01M	62.5	10-28-69	95.5	-33.0	5550
		3-23-70	92.5	-30.0	5550
2N/07E-26H03M	58.0	10-28-69	94.0	-36.0	5550
		3-23-70	81.5	-23.5	5550
2N/07E-26N01M	50.3	10-22-69	98.0	-47.7	5110
		3-17-70	77.0	-26.7	5110

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CALAVERAS RIVER AREA 5-22.02 (Continued)					
2N/07E-26R01M	56.0	10-28-69	89.5	-33.5	5550
		3-23-70	78.0	-22.0	5550
2N/07E-27D01M	46.7	10-22-69	94.2	-47.5	5110
		3-17-70	85.2	-38.5	5110
2N/07E-27G01M	47.0	10-29-69	87.0	-40.0	5550
		3-24-70	71.0	-24.0	5550
2N/07E-27L01M	47.0	10-29-69	90.5	-43.5	5550
		3-24-70	73.0	-26.0	5550
2N/07E-28K02M	42.0	10-28-69	81.0	-39.0	5550
		3-24-70	75.0	-33.0	5550
2N/07E-28N04M	38.0	10-24-69	76.0	-38.0	5110
		3-17-70	67.0	-29.0	5110
2N/07E-28P01M	39.0	10-30-69	(4)		5550
		3-24-70	(4)		5550
2N/07E-29B01M	40.0	10-29-69	70.5	-30.5	5550
		3-24-70	71.0	-31.0	5550
2N/07E-29M02M	34.0	10-29-69	62.0	-28.0	5550
		3-24-70	66.5	-32.5	5550
2N/07E-30E01M	28.0	10-23-69	62.5	-34.5	5110
		3-18-70	57.0	-29.0	5110
2N/07E-30H01M	32.5	10-29-69	68.0	-35.5	5550
		3-24-70	64.5	-32.0	5550
2N/07E-31R02M	29.0	11-04-69	69.0	-40.0	5550
		3-24-70	67.0	-38.0	5550
2N/07E-32J02M	35.0	11-04-69	74.2	-39.2	5550
		3-24-70	73.5	-38.5	5550
2N/07E-32M02M	30.0	10-22-69	67.0	-37.0	5550
		3-24-70	68.5	-38.5	5550
2N/07E-32R01M	32.0	10-24-69	70.6	-38.6	5110
		3-20-70	73.1	-41.1	5110
2N/07E-33H01M	41.0	10-22-69	83.0	-42.0	5110
		3-17-70	73.0	-32.0	5110
2N/07E-33L01M	38.0	11-04-69	80.5	-42.5	5550
		3-24-70	73.0	-35.0	5550
2N/07E-34E01M	44.0	11-04-69	(3)		5550
		3-24-70	(3)		5550
2N/07E-34R01M	47.0	10-28-69	84.0	-37.0	5550
		3-24-70	79.5	-32.5	5550
2N/07E-35L01M	49.8	10-21-69	89.9	-40.1	5110
		3-20-70	80.9	-31.1	5110
2N/07E-36H01M	58.7	10-21-69	93.7	-35.0	5110
		3-16-70	76.7	-18.0	5110
2N/07E-36P02M	54.0	10-07-69	91.0	-37.0	5050
		3-18-70	79.2	-25.2	5050
2N/08E-03G02M	108.8	10-22-69	117.5	-8.7	5110
		3-19-70	108.5	0.3	5110
2N/08E-04C01M	92.0	10-22-69	108.0	-16.0	5110
		3-19-70	96.5	-4.5	5110
2N/08E-08N01M	76.7	10-23-69	93.2	-16.5	5110
		3-18-70	86.4	-9.7	5110
2N/08E-09G02M	87.0	10-22-69	105.0	-18.0	5110
		3-18-70	94.0	-7.0	5110
2N/08E-10H02M	105.4	10-22-69	116.0	-10.6	5110
		3-18-70	108.5	-3.1	5110
2N/08E-11B01M	106.0	10-22-69	109.1	-3.1	5110
		3-18-70	103.6	2.4	5110
2N/08E-12C02M	109.3	10-22-69	106.0	3.3	5110
		3-16-70	101.5	7.8	5110

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CALAVERAS RIVER AREA 5-22.02 (Continued)					
2N/08E-13K01M	105.6	10-22-69	111.2	-5.6	5110
		3-16-70	(9)		5110
2N/08E-14C01M	94.4	10-22-69	106.9	-12.5	5110
		3-24-70	97.9	-3.5	5110
2N/08E-15M02M	84.9	10-21-69	93.1	-8.2	5110
		3-17-70	100.6	-15.7	5110
2N/08E-16D01M	80.5	10-23-69	96.6	-16.1	5110
		3-18-70	86.8	-6.3	5110
2N/08E-18C01M	68.9	10-22-69	87.4	-18.5	5110
		3-18-70	82.4	-13.5	5110
2N/08E-19C03M	67.3	10-22-69	90.4	-23.1	5110
		3-17-70	81.9	-14.6	5110
2N/08E-19P02M	69.2	10-22-69	95.0	-25.8	5110
		3-17-70	86.5	-17.3	5110
2N/08E-20F01M	73.0	10-22-69	96.8	-23.8	5110
		3-16-70	90.3	-17.3	5110
2N/08E-21R01M	79.9	10-21-69	108.1	-28.2	5110
		3-16-70	91.1	-11.2	5110
2N/08E-24P01M	126.0	10-22-69	140.4	-14.4	5110
		3-16-70	129.4	-3.4	5110
2N/08E-25P01M	101.0	10-20-69	117.0	-16.0	5110
		3-16-70	107.5	-6.5	5110
2N/08E-30H01M	69.4	10-22-69	98.4	-29.0	5110
		3-17-70	85.4	-16.0	5110
2N/08E-32L02M	69.5	10-21-69	97.7	-28.2	5110
		3-16-70	89.2	-19.7	5110
2N/08E-33E01M	75.0	10-21-69	102.5	-27.5	5110
		3-16-70	91.5	-16.5	5110
2N/08E-34E01M	82.6	10-20-69	111.2	-28.6	5110
		3-16-70	98.7	-16.1	5110
2N/08E-36L01M	97.2	10-28-69	115.3	-18.1	5050
		11-28-69	112.6	-15.4	5050
		12-29-69	110.5	-13.3	5050
		1-28-70	108.7	-11.5	5050
		2-27-70	106.6	-9.4	5050
		3-30-70	105.2	-8.0	5050
		4-30-70	107.4	-10.2	5050
		5-30-70	110.8	-13.6	5050
		6-30-70	113.0	-15.8	5050
		7-31-70	115.9	-18.7	5050
		8-31-70	118.1	-20.9	5050
		9-30-70	118.0	-20.8	5050
2N/09E-03A01M	150.0	10-22-69	58.9	91.1	5110
		3-16-70	56.9	93.1	5110
2N/09E-04H01M	158.1	10-22-69	76.5	81.6	5110
		3-16-70	76.5	81.6	5110
2N/09E-05H01M	132.2	10-22-69	100.5	31.7	5110
		3-16-70	99.0	33.2	5110
2N/09E-05L02M	130.0	10-09-69	106.9	23.1	5050
		10-22-69	107.0	23.0	5110
		3-16-70	108.0	22.0	5110
		3-19-70	105.8	24.2	5050
2N/09E-05N01M	126.1	10-22-69	(8)		5110
		3-16-70	(8)		5110
2N/09E-07G02M	117.5	10-22-69	108.0	9.5	5110
		3-16-70	104.0	13.5	5110
2N/09E-08N01M	141.6	10-22-69	132.0	9.6	5110
		3-16-70	129.5	12.1	5110
2N/09E-09D01M	132.8	10-22-69	104.6	28.2	5110
		3-16-70	102.6	30.2	5110
2N/09E-11A01M	253.0	10-22-69	165.0	88.0	5110
		3-16-70	165.5	87.5	5110

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CALAVERAS RIVER AREA 5-22.02 (Continued)					
2N/09E-17C01M	186.0	10-22-69	(3)		5110
		3-16-70	(3)		5110
		4-21-70	(0)		5050
2N/09E-18Q01M	107.1	10-22-69	112.7	-5.6	5110
		3-16-70	(9)		5110
2N/09E-22B01M	171.0	3-31-70	125.2	45.8	5050
2N/09E-28N01M	179.5	10-20-69	161.1	18.4	5110
		3-16-70	154.6	24.9	5110
2N/09E-32D01M	154.2	3-31-70	148.1	6.1	5050
3N/07E-33G01M	52.0	10-23-69	68.5	-16.5	5110
		3-18-70	60.0	-8.0	5110
3N/07E-35C02M	61.2	10-22-69	75.0	-13.8	5110
		3-18-70	65.5	-4.3	5110
3N/07E-35L01M	64.0	10-22-69	75.5	-11.5	5110
		3-18-70	69.8	-5.8	5110
3N/07E-36D01M	67.7	10-22-69	84.5	-16.8	5110
		3-18-70	70.0	-2.3	5110
3N/07E-36K02M	74.5	10-20-69	85.3	-10.8	5110
		3-18-70	80.8	-6.3	5110
3N/08E-11M01M	137.5	10-14-69	DRY		8201
		1-15-70	(0)		8201
3N/08E-11M11M	139.9	10-14-69	131.1	8.8	8201
		1-15-70	129.7	10.2	8201
3N/08E-11N02M	156.0	10-22-69	178.0	-22.0	5110
		3-19-70	156.2	-0.2	5110
3N/08E-12P11M	181.7	10-07-69	168.1	13.6	8201
		1-08-70	167.1	14.6	8201
3N/08E-23F11M	173.1	10-07-69	172.7	0.4	8201
		1-08-70	170.6	2.5	8201
3N/08E-26Q01M	130.0	10-28-69	131.8	-1.8	5050
		11-28-69	130.7	-0.7	5050
		12-29-69	129.8	0.2	5050
		1-28-70	129.2	0.8	5050
		2-27-70	128.1	1.9	5050
		3-30-70	127.5	2.5	5050
		4-30-70	129.1	0.9	5050
		5-30-70	130.1	-0.1	5050
		6-30-70	131.4	-1.4	5050
		7-31-70	133.0	-3.0	5050
		8-31-70	133.9	-3.9	5050
		9-30-70	134.2	-4.2	5050
3N/08E-27R01M	126.4	10-22-69	130.8	-4.4	5110
		3-19-70	130.8	-4.4	5110
3N/08E-32P01M	85.0	10-22-69	109.4	-24.4	5110
		3-19-70	91.4	-6.4	5110
3N/09E-05D01M	280.0	10-22-69	(7)		5110
		3-20-70	(2)		5110
		4-22-70	(7)		5050
3N/09E-25R01M	169.8	10-22-69	44.8	125.0	5110
		3-16-70	42.8	127.0	5110
3N/09E-33J01M	140.0	10-22-69	86.9	53.1	5110
		3-16-70	75.4	64.6	5110
3N/09E-36G01M	180.4	10-22-69	76.7	103.7	5110
		3-16-70	(7)		5110
		4-21-70	68.3	112.1	5050
FARMINGTON-COLLEGEVILLE AREA 5-22.03					
1N/06E-23J01M	11.8	10-20-69	(3)		5110
		3-19-70	(3)		5110
		4-21-70	36.3	-24.5	5050
1N/06E-25H02M	19.0	3-27-70	49.2	-30.2	5050

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
FARMINGTON-COLLEGEVILLE AREA 5-22.03 (Continued)					
1N/06E-26A02M	13.0	10-07-69	37.1	-24.1	5050
		3-18-70	31.7	-18.7	5050
1N/07E-11E01M	48.6	10-20-69	(3)		5110
		3-16-70	(3)		5110
		4-22-70	(0)		5050
1N/07E-11L01M	50.0	10-28-69	88.0	-38.0	5550
		3-23-70	80.0	-30.0	5550
1N/07E-12Q01M	54.4	10-20-69	95.0	-40.6	5110
		3-16-70	93.0	-38.6	5110
1N/07E-14L01M	47.0	3-31-70	82.2	-35.2	5050
1N/07E-20G01M	29.0	10-21-69	82.5	-53.5	5110
		3-19-70	72.5	-43.5	5110
1N/07E-21R01M	37.0	10-21-69	(1)		5110
		3-19-70	(9)		5110
1N/07E-23H02M	51.0	10-07-69	92.3	-41.3	5050
		3-18-70	84.3	-33.3	5050
1N/07E-24R01M	57.0	10-21-69	(3)		5110
		3-16-70	97.5	-40.5	5110
1N/07E-27H02M	44.0	10-21-69	87.5	-43.5	5110
		3-19-70	80.0	-36.0	5110
1N/07E-28R01M	36.0	3-27-70	66.1	-30.1	5050
1N/07E-31L01M	21.0	3-27-70	30.9	-9.9	5050
1N/07E-32A01M	29.5	3-27-70	54.1	-24.6	5050
1N/07E-35H01M	49.1	10-21-69	88.6	-39.5	5110
		3-19-70	76.1	-27.0	5110
1N/08E-13J01M	94.8	10-20-69	113.5	-18.7	5110
		3-16-70	97.0	-2.2	5110
1N/08E-13P02M	90.5	10-07-69	112.0	-21.5	5050
		10-20-69	117.5	-27.0	5110
		3-18-70	96.6	-6.1	5050
1N/08E-16P01M	73.0	3-31-70	96.0	-23.0	5050
1N/08E-17D01M	68.7	10-20-69	110.5	-41.8	5110
		3-16-70	95.0	-26.3	5110
1N/08E-19B01M	62.0	10-20-69	(4)		5110
		3-17-70	(4)		5110
1N/08E-21M01M	71.0	3-31-70	95.9	-24.9	5050
1N/08E-22B01M	80.5	10-20-69	(6)		5110
1N/08E-23J01M	88.7	10-21-69	(3)		5110
		3-17-70	(3)		5110
		4-21-70	(0)		5050
1N/08E-26A02M	88.7	10-21-69	108.5	-19.8	5110
		3-17-70	100.0	-11.3	5110
1N/08E-27R02M	78.0	10-21-69	115.2	-37.2	5110
		3-17-70	92.7	-14.7	5110
1N/08E-29M02M	64.1	10-21-69	100.6	-36.5	5110
		3-17-70	89.6	-25.5	5110
1N/08E-30M01M	57.0	3-31-70	84.8	-27.8	5050
1N/08E-33H01M	71.6	10-21-69	104.5	-32.9	5110
		3-17-70	86.5	-14.9	5110
1N/08E-33J01M	72.0	10-21-69	104.0	-32.0	5110
		3-17-70	86.0	-14.0	5110
1N/08E-35R02M	82.0	10-21-69	113.0	-31.0	5110
		3-17-70	83.0	-1.0	5110
1N/08E-36F01M	87.0	10-21-69	106.0	-19.0	5110
		3-17-70	86.0	1.0	5110

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
FARMINGTON-COLLEGEVILLE AREA 5-22.03 (Continued)					
1N/09E-13D01M	142.0	10-20-69	100.5	41.5	5110
		3-16-70	98.0	44.0	5110
1N/09E-15B02M	120.0	10-20-69	102.0	18.0	5110
		3-16-70	98.0	22.0	5110
1N/09E-17D01M	103.0	10-20-69	117.5	-14.5	5110
		3-16-70	97.5	5.5	5110
1N/09E-17M01M	102.2	10-20-69	123.7	-21.5	5110
		3-16-70	97.2	5.0	5110
1N/09E-19C01M	98.5	10-20-69	124.0	-25.5	5110
		3-16-70	97.0	1.5	5110
1N/09E-22G02M	118.0	10-20-69	97.4	20.6	5110
		3-16-70	94.4	23.6	5110
1N/09E-23Q01M	125.0	10-07-69	90.8	34.2	5050
		10-20-69	92.8	32.2	5110
		3-16-70	87.3	37.7	5110
		3-18-70	86.1	38.9	5050
1N/09E-29A01M	106.5	10-21-69	105.0	1.5	5110
		3-17-70	87.0	19.5	5110
1N/09E-30C05M	96.0	10-21-69	108.0	-12.0	5110
		3-17-70	89.0	7.0	5110
1N/09E-32J01M	107.5	10-21-69	100.0	7.5	5110
		3-17-70	85.0	22.5	5110
1N/09E-33P01M	117.3	10-21-69	113.0	4.3	5110
		3-17-70	93.0	24.3	5110
1N/09E-36P01M	147.2	10-21-69	108.7	38.5	5110
		3-17-70	100.7	46.5	5110
1S/07E-01J01M	53.4	10-21-69	81.0	-27.6	5110
		3-19-70	70.5	-17.1	5110
1S/07E-03A01M	43.1	10-21-69	71.0	-27.9	5110
		3-19-70	58.0	-14.9	5110
1S/07E-05A01M	28.9	10-21-69	43.4	-14.5	5110
		3-23-70	39.4	-10.5	5110
1S/07E-06M02M	23.5	10-20-69	(4)		5110
		3-19-70	(4)		5110
1S/07E-08J02M	30.9	10-20-69	21.4	9.5	5110
		3-19-70	22.9	8.0	5110
1S/07E-10A01M	41.0	10-07-69	55.8	-14.8	5050
		10-21-69	52.9	-11.9	5110
		3-18-70	44.8	-3.8	5050
		3-19-70	44.9	-3.9	5110
1S/07E-12H01M	51.0	10-21-69	63.0	-12.0	5110
		3-19-70	57.5	-6.5	5110
1S/07E-13J01M	48.0	10-21-69	41.5	6.5	5110
		3-19-70	38.5	9.5	5110
1S/07E-14P02M	44.5	10-21-69	26.5	18.0	5110
		3-19-70	(7)		5110
		4-21-70	29.0	15.5	5050
1S/07E-15F01M	40.0	10-20-69	(4)		5110
		3-19-70	(4)		5110
1S/08E-06D01M	55.4	10-21-69	(7)		5110
		3-19-70	72.5	-17.1	5110
1S/08E-08J01M	62.7	10-28-69	76.2	-13.5	5050
		11-28-69	74.4	-11.7	5050
		12-29-69	72.6	-9.9	5050
		1-28-70	71.1	-8.4	5050
		2-27-70	69.7	-7.0	5050
		3-30-70	71.0	-8.3	5050
		4-30-70	70.0	-7.3	5050
		5-30-70	70.7	-8.0	5050
		6-30-70	74.8	-12.1	5050
		7-31-70	77.5	-14.8	5050
		8-31-70	80.8	-18.1	5050
		9-30-70	81.0	-18.3	5050
FARMINGTON-COLLEGEVILLE AREA 5-22.03 (Continued)					
1S/08E-09A01M	71.0	10-21-69	85.5	-14.5	5110
		3-19-70	78.0	-7.0	5110
1S/08E-11F01M	80.0	10-22-69	89.2	-9.2	5110
		3-17-70	77.2	2.8	5110
1S/08E-15A01M	73.5	10-07-69	80.8	-7.3	5050
		10-21-69	80.0	-6.5	5110
		3-18-70	70.8	2.7	5050
		3-19-70	71.0	2.5	5110
1S/08E-21A01M	66.8	10-21-69	60.0	6.8	5110
		3-19-70	54.5	12.3	5110
1S/08E-29H01M	62.5	10-21-69	34.8	27.7	5110
		3-19-70	33.3	29.2	5110
1S/08E-30C01M	52.0	10-21-69	25.0	27.0	5110
		3-19-70	26.0	26.0	5110
1S/09E-02D01M	146.0	10-21-69	112.5	33.5	5110
		3-17-70	100.5	45.5	5110
1S/09E-02J01M	157.0	10-00-69	106.2	50.8	4520
		3-00-70	103.8	53.2	4520
1S/09E-02R01M	162.0	10-21-69	113.2	48.8	5110
		3-17-70	103.2	58.8	5110
1S/09E-05R01M	105.7	10-22-69	83.5	22.2	5110
		3-17-70	75.3	30.4	5110
1S/09E-07N01M	96.2	10-22-69	83.5	12.7	5110
		3-17-70	73.0	23.2	5110
1S/09E-09R01M	127.6	10-22-69	88.0	39.6	5110
		3-17-70	80.5	47.1	5110
1S/09E-11J01M	140.0	10-00-69	76.9	63.1	4520
		3-00-70	75.3	64.7	4520
1S/09E-18R03M	103.8	10-21-69	85.8	18.0	5110
		3-17-70	68.8	35.0	5110
1S/09E-19Q01M	97.5	10-21-69	62.0	35.5	5110
		3-17-70	56.0	41.5	5110
SOUTH SAN JOAQUIN IRRIGATION DISTRICT 5-22.05					
1S/06E-24H02M	23.0	3-26-70	10.1	12.9	5050
1S/07E-17N02M	30.0	3-27-70	12.3	17.7	5050
1S/07E-23N01M	45.0	3-30-70	19.6	25.4	5050
1S/07E-25R01M	56.0	3-30-70	23.8	32.2	5050
1S/07E-28D01M	34.0	10-07-69	7.2	26.8	5050
		3-18-70	8.6	25.4	5050
1S/07E-29N02M	30.0	3-27-70	10.3	19.7	5050
1S/07E-33H01M	40.0	10-01-69	9.8	30.2	5050
		3-18-70	11.5	28.5	5050
1S/07E-35Q01M	49.0	3-30-70	(1)		5050
1S/08E-25Q01M	90.5	10-21-69	45.6	44.9	5110
		3-17-70	44.1	46.4	5110
1S/08E-27A01M	75.0	3-27-70	48.8	26.2	5050
1S/08E-33N01M	67.0	10-07-69	29.8	37.2	5050
		3-18-70	29.4	37.6	5050
1S/08E-35R02M	88.0	3-27-70	38.2	49.8	5050
1S/09E-36A01M	145.0	10-00-69	50.5	94.5	4520
		3-00-70	51.2	93.8	4520
2S/07E-07Q01M	28.0	3-27-70	5.4	22.6	5050
2S/07E-08R01M	36.9	9-28-69	11.3	25.6	5050
		3-27-70	11.1	25.8	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOUTH SAN JOAQUIN IRRIGATION DISTRICT 5-22.05 (Continued)					
2S/07E-10B01M	46.0	3-27-70	14.1	31.9	5050
2S/07E-12G01M	56.0	3-27-70	13.3	42.7	5050
2S/07E-12R01M	55.0	10-07-69	16.9	38.1	5050
		3-18-70	16.5	38.5	5050
2S/07E-12R02M	55.0	10-07-69	14.4	40.6	5050
		3-18-70	14.3	40.7	5050
2S/07E-20R02M	32.0	3-27-70	8.1	23.9	5050
2S/07E-22J01M	44.0	3-27-70	(1)		5050
2S/07E-24R02M	56.0	3-27-70	15.5	40.5	5050
2S/07E-34R01M	45.0	3-27-70	11.1	33.9	5050
2S/08E-09J01M	73.0	3-27-70	20.3	52.7	5050
2S/08E-14E01M	79.0	3-27-70	22.4	56.6	5050
2S/08E-17N01M	64.0	3-27-70	20.0	44.0	5050
2S/09E-02E01M	135.0	10-07-69	39.0	96.0	5050
		10-21-69	42.0	93.0	5110
		3-17-70	(7)		5110
		3-18-70	(7)		5050
2S/09E-05C01M	110.0	3-27-70	37.7	72.3	5050
2S/09E-09Q01M	120.0	3-27-70	37.0	83.0	5050
2S/09E-11K01M	139.0	3-27-70	40.7	98.3	5050
2S/09E-18E01M	94.0	3-27-70	26.2	67.8	5050
2S/09E-19B02M	89.0	10-07-69	(1)		5050
		3-18-70	21.5	67.5	5050
DELTA AREA 5-22.52					
1N/06E-27R01M	11.0	3-26-70	23.1	-12.1	5050
3N/05E-16A01M	-3.0	10-24-69	(3)		5110
		3-20-70	5.5	-8.5	5110
1S/05E-35Q02M	8.0	10-20-69	6.5	1.5	5110
		3-20-70	6.5	1.5	5110
1S/06E-02G02M	16.0	3-26-70	23.4	-7.4	5050
1S/06E-04A02M	8.5	10-07-69	6.8	1.7	5050
		3-18-70	4.4	4.1	5050
1S/06E-09J01M	7.0	3-26-70	8.2	-1.2	5050
1S/06E-11D01M	14.8	10-28-69	26.1	-11.3	5050
		11-28-69	25.8	-11.0	5050
		12-29-69	24.2	-9.4	5050
		1-28-70	22.9	-8.1	5050
		2-27-70	21.8	-7.0	5050
		3-30-70	22.3	-7.5	5050
		4-30-70	25.3	-10.5	5050
		5-30-70	26.8	-12.0	5050
		6-30-70	27.9	-13.1	5050
		7-31-70	30.6	-15.8	5050
		8-31-70	31.0	-16.2	5050
		9-30-70	29.6	-14.8	5050
1S/06E-12P01M	21.0	3-26-70	18.9	2.1	5050
1S/06E-22Q02M	10.0	10-07-69	9.4	0.6	5050
		3-18-70	5.4	4.6	5050
1S/06E-34K01M	9.0	3-26-70	9.2	-0.2	5050
1S/06E-36C01M	23.0	3-26-70	(1) 36.2	-13.2	5050
2S/06E-02H01M	20.0	3-26-70	17.1	2.9	5050
2S/06E-11J01M	20.0	10-07-69	8.8	11.2	5050
		3-18-70	7.7	12.3	5050
2S/06E-25R01M	23.0	3-27-70	7.6	15.4	5050

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
DELTA AREA 5-22.52 (Continued)					
3S/07E-05J01M	34.0	3-27-70	9.3	24.7	5050
3S/07E-06Q01M	26.0	10-07-69	4.7	21.3	5050
		3-18-70	7.3	18.7	5050
LAHONTAN REGION 6-00.00					
SURPRISE VALLEY 6-01.00					
40N/16E-36G01M	4625.2	10-21-69	74.0	4551.2	5050
		11-18-69	71.0	4554.2	5050
		12-22-69	70.0	4555.2	5050
		1-21-70	70.5	4554.7	5050
		2-18-70	66.0	4559.2	5050
		3-18-70	64.6	4560.6	5050
		4-21-70	63.8	4561.4	5050
		5-20-70	70.2	4555.0	5050
		6-18-70	(1)		5050
		7-15-70	(1)		5050
		8-19-70	(1)		5050
		9-22-70	(1)		5050
41N/16E-27Q01M	4657.2	10-21-69	24.0	4633.2	5050
		11-18-69	26.2	4631.0	5050
		12-22-69	25.0	4632.2	5050
		1-21-70	14.4	4642.8	5050
		2-18-70	14.3	4642.9	5050
		3-18-70	19.1	4638.1	5050
		4-21-70	20.0	4637.2	5050
		5-20-70	19.5	4637.7	5050
		6-18-70	19.9	4637.3	5050
		7-15-70	22.6	4634.6	5050
		8-19-70	25.3	4631.9	5050
		9-22-70	25.8	4631.4	5050
41N/16E-35D02M	4621.5	10-21-69	44.0	4577.5	5050
		11-18-69	(1)		5050
		12-22-69	42.9	4578.6	5050
		1-21-70	41.2	4580.3	5050
		2-18-70	38.8	4582.7	5050
		3-18-70	38.9	4582.6	5050
		4-21-70	(1)		5050
		5-20-70	45.5	4576.0	5050
		6-18-70	39.8	4581.7	5050
		7-15-70	(1)		5050
		8-19-70	(1)		5050
		9-22-70	(1)		5050
42N/16E-17K01M	4651.6	10-21-69	27.4	4624.2	5050
		11-18-69	26.2	4625.4	5050
		12-22-69	25.8	4625.8	5050
		1-21-70	25.4	4626.2	5050
		2-18-70	26.4	4625.2	5050
		3-18-70	24.1	4627.5	5050
		4-21-70	22.1	4629.5	5050
		5-20-70	(1)		5050
		6-18-70	59.2	4592.4	5050
		7-15-70	29.2	4622.4	5050
		8-19-70	(1)		5050
		9-22-70	27.3	4624.3	5050
43N/16E-17D01M	4687.4	10-21-69	34.6	4652.8	5050
		11-18-69	34.4	4653.0	5050
		12-22-69	34.0	4653.4	5050
		1-21-70	33.8	4653.6	5050
		2-18-70	33.5	4653.9	5050
		3-18-70	33.2	4654.2	5050
		4-21-70	33.2	4654.2	5050
		5-20-70	33.1	4654.3	5050
		6-18-70	33.0	4654.4	5050
		7-1 -70	32.8	4654.6	5050
		8-19-70	32.5	4654.9	5050
		9-22-70	32.4	4655.0	5050
46N/16E-04Q01M	4600.0	10-21-69	70.0	4530.0	5050
		11-18-69	69.9	4530.1	5050
		12-22-69	69.5	4530.5	5050
		1-21-70	69.5	4530.5	5050
		2-18-70	68.8	4531.2	5050
		3-18-70	68.4	4531.6	5050
		4-21-70	69.2	4530.8	5050
		5-20-70	69.0	4531.0	5050
		6-18-70	69.5	4530.5	5050
		7-15-70	(7)		5050
		8-19-70	73.0	4527.0	5050
		9-22-70	72.5	4527.5	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
MADELINE PLAINS 6-02.00					
35N/13E-26J02M	5296.0	10-22-69	51.0	5245.0	5050
		11-19-69	51.5	5244.5	5050
		12-23-69	51.0	5245.0	5050
		1-22-70	50.9	5245.1	5050
		2-19-70	50.7	5245.3	5050
		3-18-70	51.0	5245.0	5050
37N/13E-09J01M	5342.4	10-22-69	15.0	5327.4	5050
		11-19-69	15.5	5326.9	5050
		12-23-69	15.7	5326.7	5050
		1-22-70	14.3	5328.1	5050
		2-19-70	13.0	5329.4	5050
		3-18-70	11.9	5330.5	5050
HONEY LAKE VALLEY 6-04.00					
26N/16E-15E01M	4106.1	10-22-69	53.0	4053.1	5050
		11-19-69	53.1	4053.0	5050
		12-23-69	54.0	4052.1	5050
		1-22-70	54.8	4051.3	5050
		2-19-70	54.5	4051.6	5050
		3-18-70	54.8	4051.3	5050
		4-22-70	55.3	4050.8	5050
		5-21-70	55.0	4051.1	5050
		6-17-70	55.5	4050.6	5050
		7-16-70	55.7	4050.4	5050
		8-20-70	55.6	4050.5	5050
		9-21-70	56.6	4049.5	5050
27N/15E-32G01M	4052.8	10-22-69	14.8	4038.0	5050
		11-19-69	16.4	4036.4	5050
		12-23-69	17.7	4035.1	5050
		1-22-70	(9)		5050
		2-19-70	(9)		5050
		3-18-70	12.9	4039.9	5050
		4-22-70	11.0	4041.8	5050
		5-21-70	9.0	4043.8	5050
		6-17-70	9.0	4043.8	5050
		7-16-70	10.0	4042.8	5050
		8-20-70	13.3	4039.5	5050
		9-21-70	15.4	4037.4	5050
28N/13E-11R01M	4068.6	10-22-69	25.2	4043.4	5050
		11-19-69	21.8	4046.8	5050
		12-23-69	20.6	4048.0	5050
		1-22-70	19.3	4049.3	5050
		2-19-70	17.7	4050.9	5050
		3-18-70	17.0	4051.6	5050
		4-22-70	17.1	4051.5	5050
		5-21-70	(1)		5050
		6-17-70	30.7	4037.9	5050
		7-17-70	(1)		5050
		8-20-60	(1)		5050
		9-21-70	45.7	4022.9	5050
29N/12E-05J01M	4172.3	10-22-69	14.4	4157.9	5050
		11-19-69	13.6	4158.7	5050
		12-23-69	13.2	4159.1	5050
		1-22-70	11.2	4161.1	5050
		2-19-70	10.6	4161.7	5050
		3-18-70	10.7	4161.6	5050
		4-22-70	11.2	4161.1	5050
		5-21-70	7.7	4164.6	5050
		6-17-70	11.4	4160.9	5050
		7-17-70	15.1	4157.2	5050
		8-20-70	17.7	4154.6	5050
		9-21-70	13.0	4159.3	5050
29N/14E-17R02M	4046.9	10-22-69	6.2	4040.7	5050
		11-19-69	6.4	4040.5	5050
		12-23-69	6.4	4040.5	5050
		1-22-70	4.9	4042.0	5050
		2-19-70	2.9	4044.0	5050
		3-18-70	3.4	4043.5	5050
		4-22-70	4.2	4042.7	5050
		5-21-70	5.2	4041.7	5050
		6-17-70	3.9	4043.0	5050
		7-17-70	5.6	4041.3	5050
		8-20-70	5.6	4041.3	5050
		9-21-70	7.0	4039.9	5050

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
TAHOE VALLEY 6-05.00					
SOUTH TAHOE VALLEY 6-05.01					
11N/18E-05N01M	6396.1	10-21-69	15.5	6380.6	5050
11N/18E-08M01M	6435.5	10-21-69	9.2	6426.3	5050
		1-26-70	3.6	6431.9	5050
		2-24-70	6.3	6429.2	5050
		3-25-70	6.6	6428.9	5050
		4-29-70	7.0	6428.5	5050
		5-21-70	5.7	6429.8	5050
		6-26-70	7.3	6428.2	5050
		7-29-70	8.8	6426.7	5050
		8-26-70	9.4	6426.1	5050
		9-28-70	9.7	6425.8	5050
12N/18E-02C09M	6291.1	10-21-69	48.9	6242.2	5050
		1-26-70	47.9	6243.2	5050
		2-24-70	47.0	6244.1	5050
		3-25-70	46.7	6244.4	5050
		4-29-70	47.1	6244.0	5050
		5-27-70	47.3	6243.8	5050
		6-26-70	48.1	6243.0	5050
		7-29-70	49.6	6241.5	5050
		8-26-70	50.3	6240.8	5050
		9-28-70	50.7	6240.4	5050
12N/18E-03A01M	6270.4	10-21-69	24.0	6246.4	5050
12N/18E-03D05M	6253.4	10-21-69	16.7	6236.7	5050
12N/18E-03D08M	6261.9	10-21-69	(2)		5050
12N/18E-04A05M	6254.4	10-21-69	20.9	6233.5	5050
12N/18E-04B02M	6236.7	10-21-69	8.0	6228.7	5050
		1-26-70	6.4	6230.3	5050
		2-24-70	6.5	6230.2	5050
		3-25-70	6.8	6229.9	5050
		4-29-70	6.8	6229.9	5050
		5-27-70	7.0	6229.7	5050
		6-26-70	6.8	6229.9	5050
		7-29-70 (1)	10.0	6226.7	5050
		8-26-70	7.9	6228.8	5050
		9-28-70	8.2	6228.5	5050
12N/18E-04L01M	6264.0	10-21-69	25.8	6238.2	5050
12N/18E-05A02M	6239.7	10-21-69	5.7	6234.0	5050
12N/18E-05C02M	6257.6	10-21-69	21.1	6236.5	5050
12N/18E-05H01M	6256.3	10-21-69	13.9	6242.4	5050
		1-26-70	11.7	6244.6	5050
		2-24-70	11.4	6244.9	5050
		3-25-70	11.2	6245.1	5050
		4-29-70	11.5	6244.8	5050
		5-27-70	12.6	6243.7	5050
		6-26-70	13.3	6243.0	5050
		7-29-70	14.7	6241.6	5050
		8-26-70	16.4	6239.9	5050
		9-28-70	15.0	6241.3	5050
12N/18E-05K01M	6271.0	10-21-69	30.7	6240.3	5050
12N/18E-09D03M	6298.0	10-21-69	58.9	6239.1	5050
12N/18E-16M01M	6297.9	10-21-69	20.7	6277.2	5050
12N/18E-21D01M	6283.0	10-21-69	(2)		5050
12N/18E-29L01M	6335.0	2-24-70	14.0	6321.0	5050
		3-25-70	14.5	6320.5	5050
		4-29-70	14.7	6320.3	5050
		5-27-70	15.6	6319.4	5050
		6-26-70	17.2	6317.8	5050
		7-29-70	18.3	6316.7	5050
		8-26-70	19.2	6315.8	5050
		9-28-70	20.1	6314.9	5050
12N/18E-29N01M	6337.7	10-21-69 (4)	28.3	6309.4	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOUTH TAHOE VALLEY 6-05.01 (Continued)					
13N/18E-27K01M	6276.7	10-21-69	37.3	6239.4	5050
		1-26-70	35.5	6241.2	5050
		2-24-70	36.0	6240.7	5050
		3-25-70	36.5	6240.2	5050
		4-29-70	35.8	6240.9	5050
		5-27-70	37.2	6239.5	5050
		6-26-70	36.8	6239.9	5050
		7-29-70	38.2	6238.5	5050
		8-26-70	40.4	6236.3	5050
		9-28-70	37.7	6239.0	5050
13N/18E-33K01M	6242.0	10-21-69	12.0	6230.0	5050
13N/18E-33M01M	6253.1	10-21-69	25.0	6228.1	5050
		1-26-70	22.5	6230.6	5050
		2-24-70	22.7	6230.4	5050
		3-25-70	23.3	6229.8	5050
		4-29-70	22.7	6230.4	5050
		5-27-70	25.7	6227.4	5050
		6-26-70	25.7	6227.4	5050
		7-29-70	27.2	6225.9	5050
		8-26-70	27.7	6225.4	5050
		9-28-70	26.6	6226.5	5050
13N/18E-33R05M	6265.6	10-21-69	27.2	6238.4	5050
13N/18E-34M02M	6262.8	10-21-69	23.4	6239.4	5050

Appendix D

SURFACE WATER QUALITY

INTRODUCTION

This appendix contains surface water quality data for 242 stream and estuarine stations in Northeastern California collected during the period from October 1, 1969, through September 30, 1970. Samples were collected at 50 locations by the U. S. Bureau of Reclamation; at 2 by the U. S. Corps of Engineers; at 3 by the U. S. Geological survey; and at 236 by the Department of Water Resources.

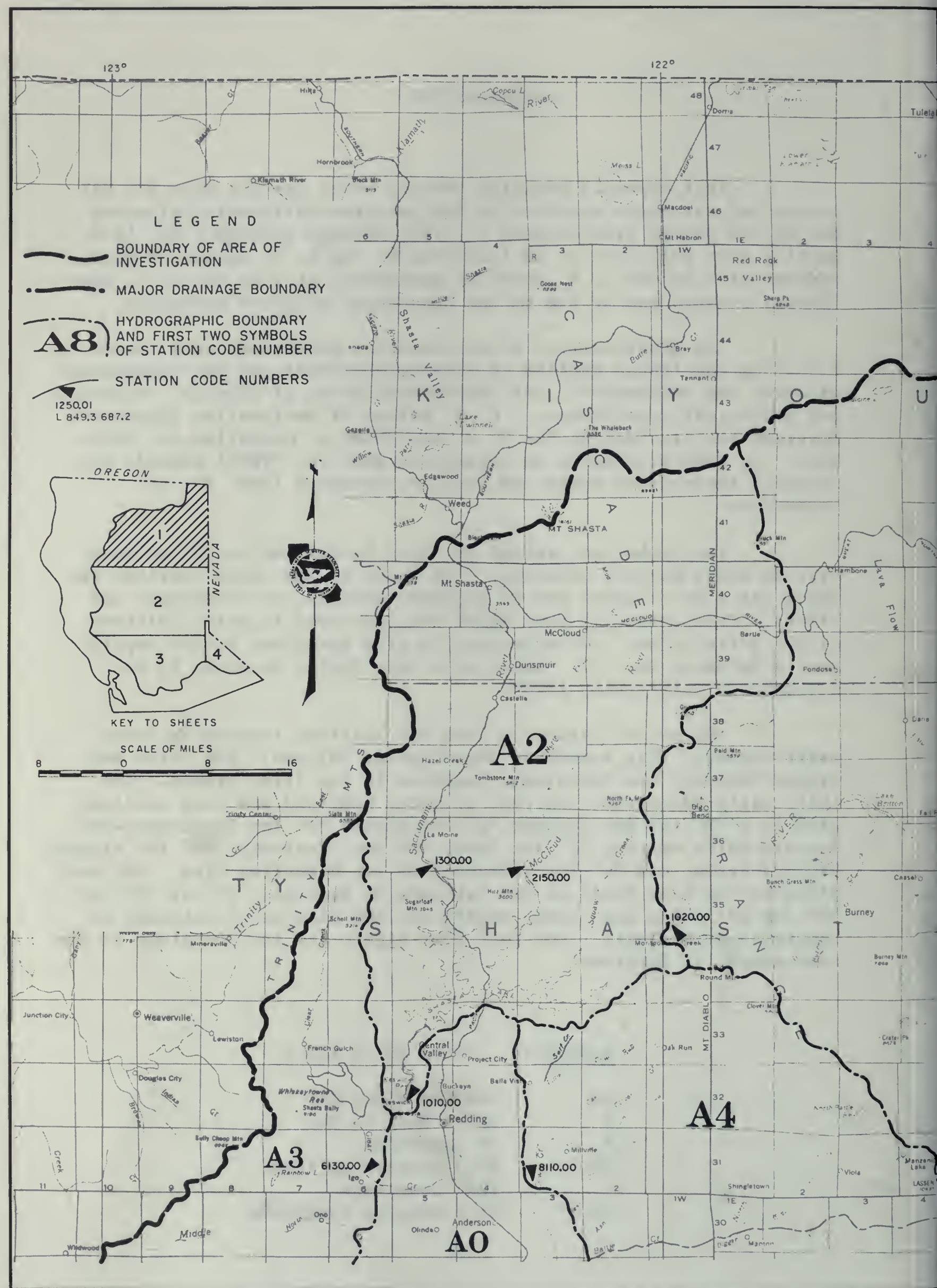
The Department of Water Resources Laboratory used procedures from the latest edition of "Standard Methods for the Examination of Water and Wastewater", for the determination of mineral, nutrient, and biological constituents. U. S. Bureau of Reclamation laboratory services are provided by the U. S. Air Force at McClellan Air Force Base. It uses procedures in accordance with the "FWPCA Methods for Chemical Analysis of Water and Wastes", November 1968, for all parameters.

Two numbering systems are used in this bulletin for identifying water quality stations. The first is for those stations for which the flow of water can be measured readily, as in streams and rivers. This system is that which has been used in prior editions of the Bulletin No. 130 series and is also described in the Department's Bulletin No. 157, "Index of stream Gaging Stations in and Adjacent to California, 1970".

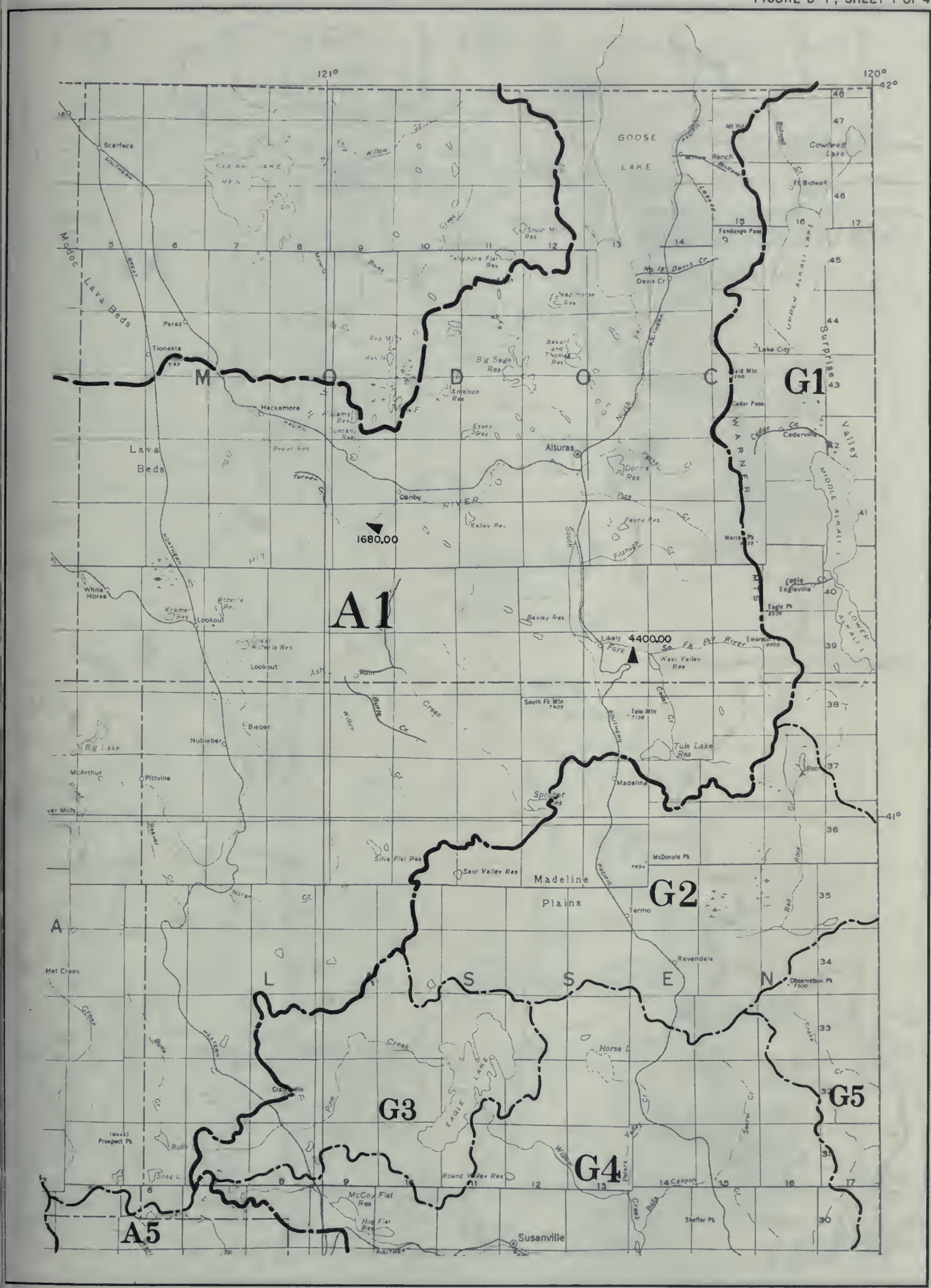
The second system is used for stations located in broad water bodies. This system is described as follows: The first two digits identify the hydrologic basin as in the first system. The third digit identifies the type of water body and for this publication is a "B" for Bay system; "C" for canal; "D" for Sacramento-San Joaquin Delta system, "L" for lake; "R" for reservoir; "S" for slough; "V" for drain; and "X" for a channel of two-direction flow. The next digit is the last digit of the latitude in degrees, "3" for 33°, or "9" for 29°. The next three digits are the minutes of latitude to the tenth of a minute. The last four digits are the longitude in the same manner as latitude.

<u>Example</u>: EO B 807.3 145.6

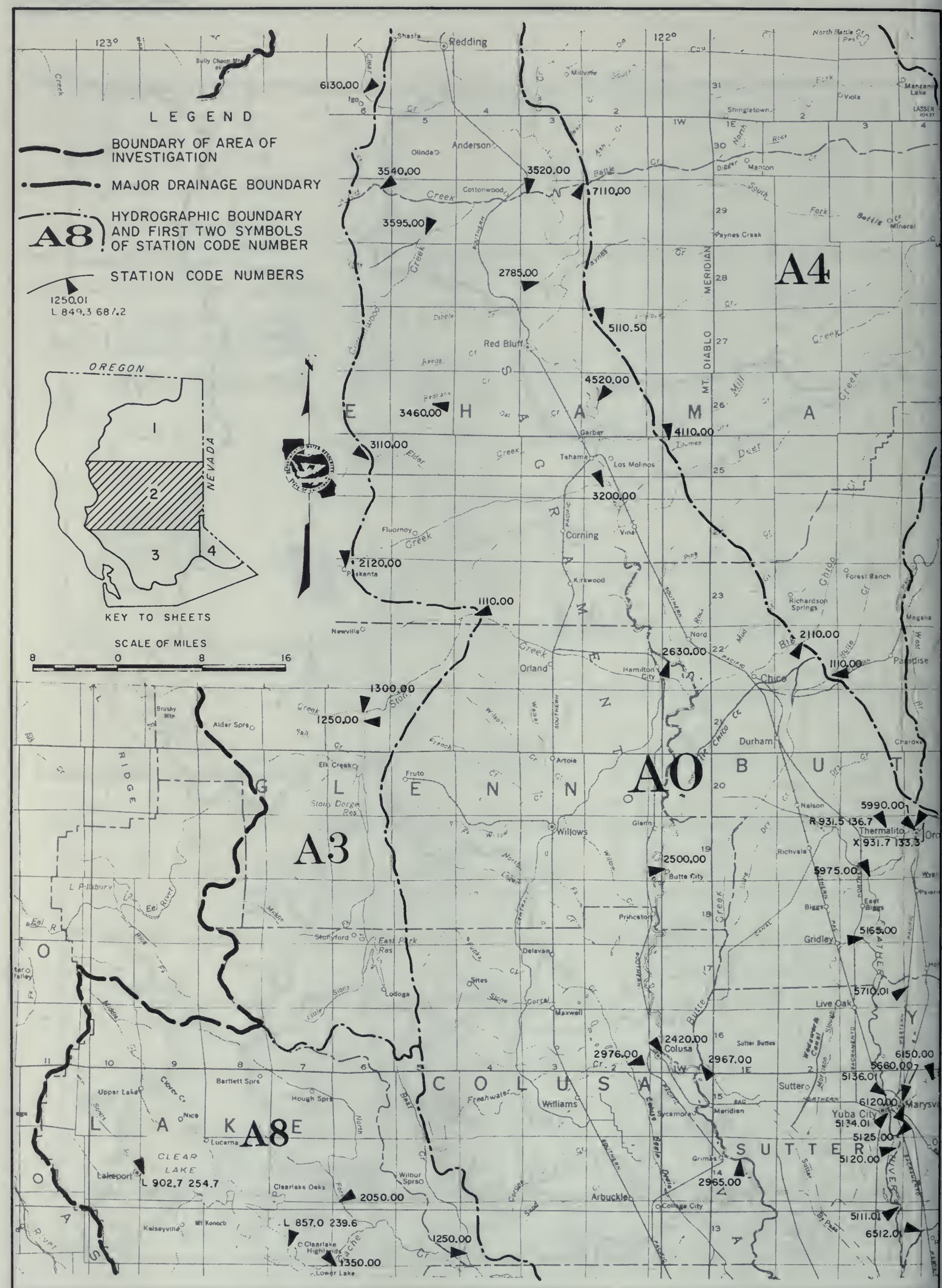
EO	San Francisco Bay
B	Water Body -- Bay
8	38° Latitude
07.3	07.3 Minutes Latitude
1	121° Longitude
45.6	45.6 Minutes Longitude



SURFACE WATER QUALITY SAMPLING STATIONS

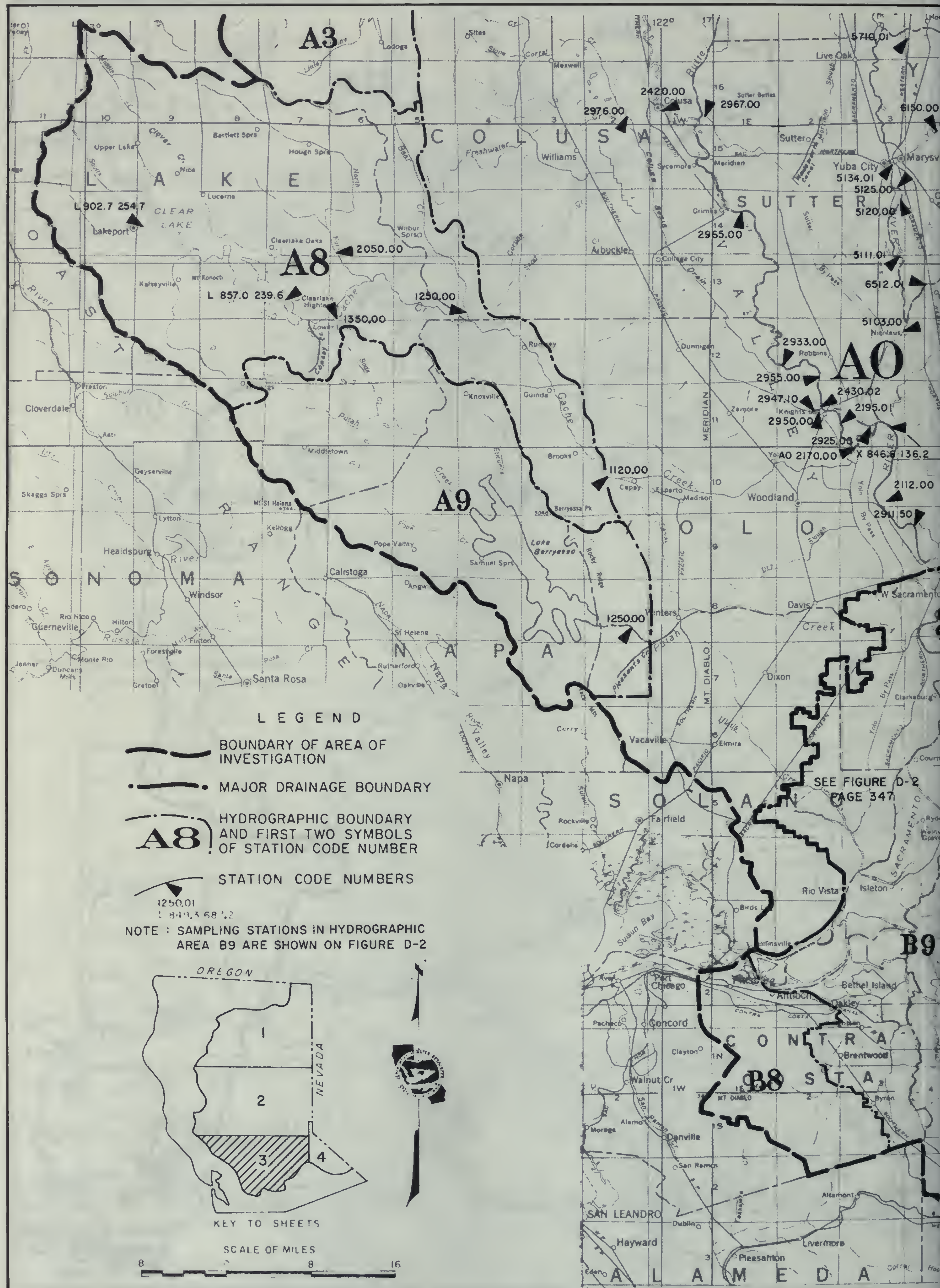


SURFACE WATER QUALITY SAMPLING STATIONS



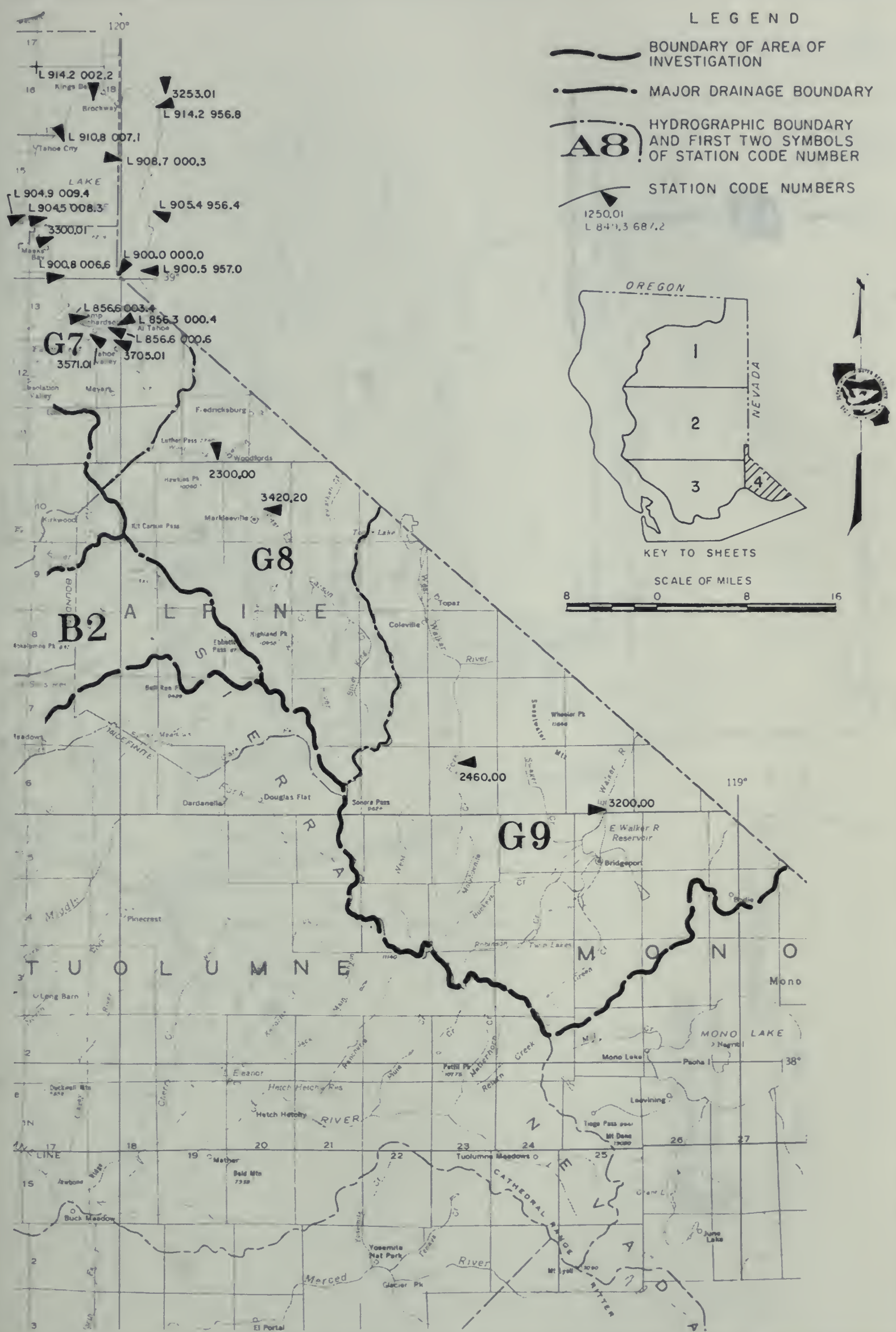
SURFACE WATER QUALITY SAMPLING STATIONS

SURFACE WATER QUALITY SAMPLING STATIONS

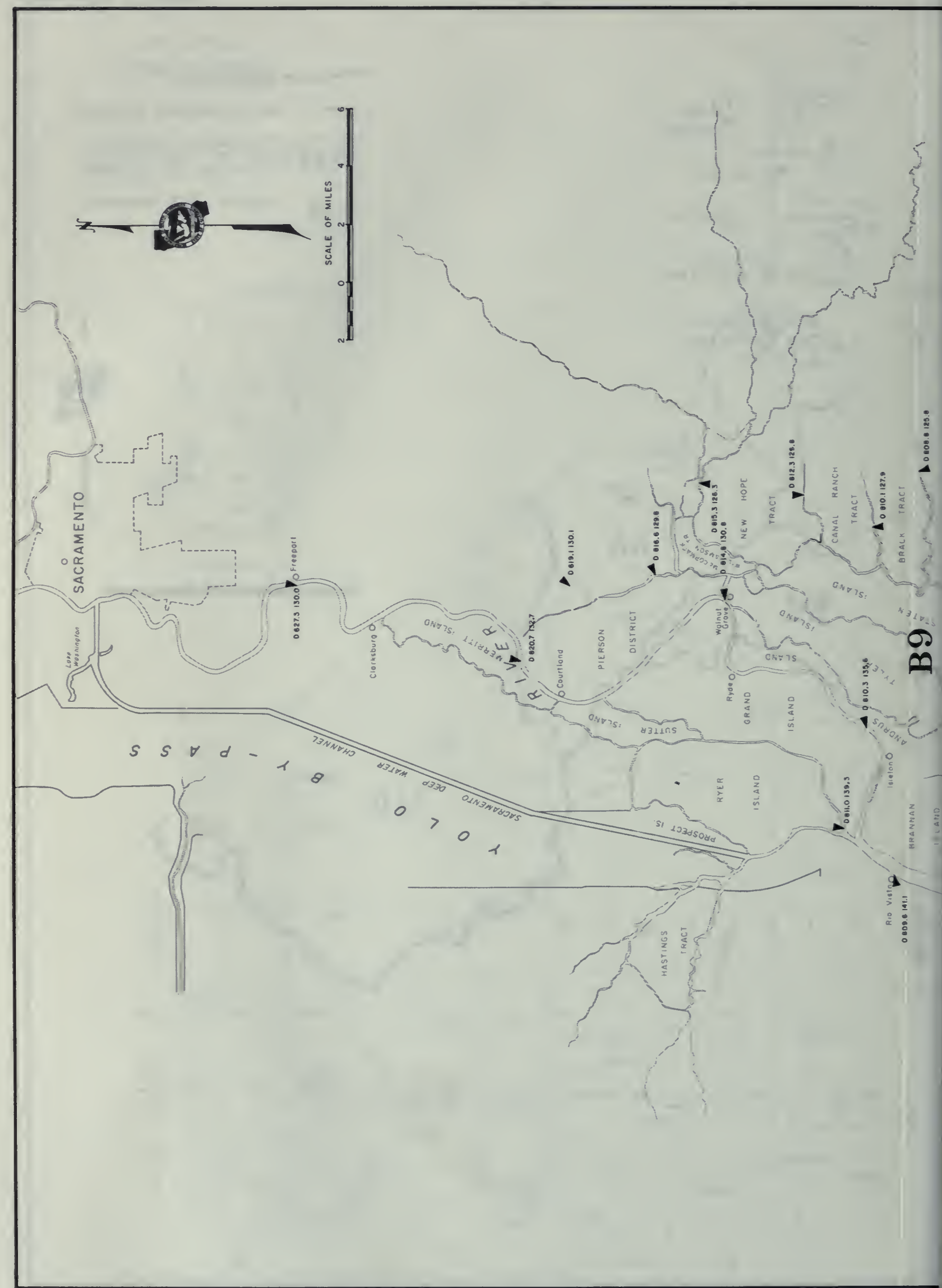


SURFACE WATER QUALITY SAMPLING STATIONS

SURFACE WATER QUALITY SAMPLING STATIONS

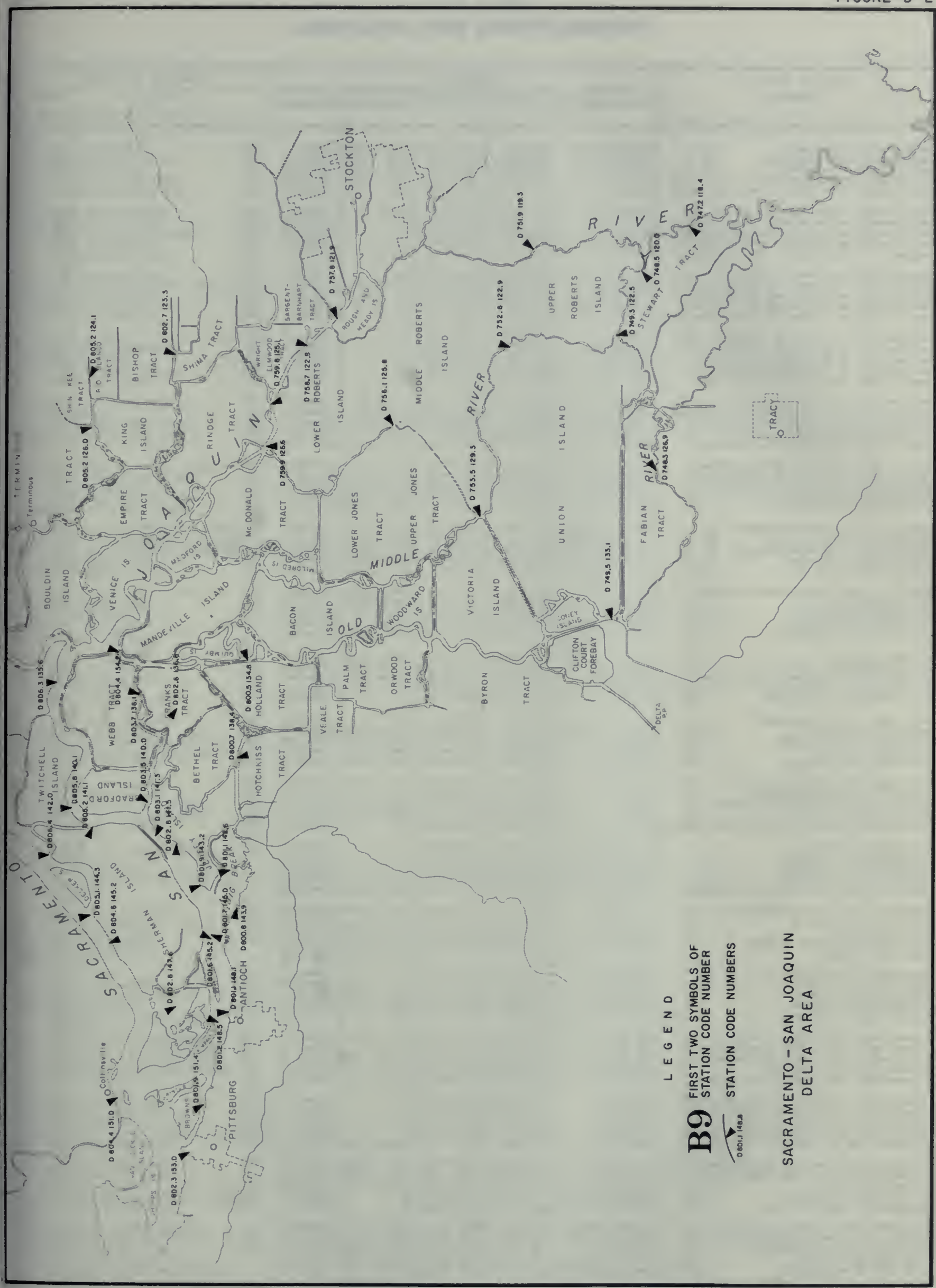


SURFACE WATER QUALITY SAMPLING STATIONS



B9

SURFACE WATER QUALITY SAMPLING STATIONS



SURFACE WATER QUALITY SAMPLING STATIONS

TABLE D-1

SAMPLING STATION DATA AND INDEX

Station	Station Number	Location Latitude ° ′ ″	Location Longitude ° ′ ″	Beginning Of Record	Frequency Of Sampling	Analyses on Pages: Tables D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9	D-10	Figures D-1	D-2	D-3
AMERICAN RIVER AT FAIR OAKS	A0 7175.00	38 38 35	121 13 36	Nov. 1958	Special	369									343		
AMERICAN RIVER BELOW NIMBUS DAM	A0 7180.00	38 38 08	121 13 36	Jan. 1958	Special	369				457	477				343		
AMERICAN RIVER AT SACRAMENTO	A0 7140.00	38 34 05	121 25 20	April 1951	Special	369									343		
AMERICAN RIVER AT SACRAMENTO WTR PLT AT SACRAMENTO	A0 7140.10	38 33 35	121 24 51	Oct. 1968	Continuous	369				457	477			528	343		
AMERICAN R, EF OF NF OF NF, AT TUNNEL MILL CAMPGND	A7 2650.01	39 15 02	120 38 54		Special	380									343		
AMERICAN RIVER, MIDDLE FORK, NEAR AUBURN	A7 3100.00	38 54 51	121 02 07	July 1958	Special	381									343		
AMERICAN RIVER, MF, BELOW FRENCH MEADOWS DAM	A7 3800.10	39 06 43	120 28 14		Special	381									343		
AMERICAN RIVER, MIDDLE FORK, AT GREENWOOD BRIDGE	A7 3175.01	38 57 13	120 55 43		Special	381									343		
AMERICAN RIVER, MF, AB RUBICON RIVER NR FORESTHILL	A7 3273.01	39 00 56	120 42 12		Special	381									343		
AMERICAN RIVER, NORTH FORK, AT AUBURN DAM SITE	A7 2160.01	38 52 59	121 03 38		Special	380									343		
AMERICAN RIVER, NORTH FORK, AT COLFAX	A7 2500.01	39 06 08	120 55 26		Special	380									343		
AMERICAN RIVER, NORTH FORK, NEAR COLFAX	A7 2350.00	39 02 25	120 54 06		Special	380									343		
AMERICAN RIVER, NORTH FORK, NEAR MONONA FLAT	A7 2530.01	39 07 53	120 51 12		Special	380									343		
AMERICAN RIVER, NF ABOVE MIDDLE FORK, AT AUBURN	A7 2190.01	38 55 34	121 02 20		Special	380									343		
AMERICAN RIVER, NF, AT PONDEROSA BRIDGE NR APPLEGATE	A7 2250.01	39 00 00	120 56 21		Special	380									343		
AMERICAN RIVER, NORTH FORK, AT THE CEDARS	A7 2825.01	39 14 54	120 21 07		Special	380									343		
AMERICAN RIVER, NF OF MF, NEAR FORESTHILL	A7 3280.00	39 01 29	120 43 03		Special	381					483				343		
AMERICAN RIVER, NF OF NF, ABOVE BLUE CANYON	A7 2620.01	39 12 03	120 44 45		Special	380									343		
AMERICAN RIVER, NF OF NF, NEAR EMIGRANT GAP	A7 2672.01	39 16 18	120 39 27		Special	380									343		
AMERICAN RIVER, SILVER FORK OF SF, AT MOUTH	A7 4580.01	38 46 00	120 18 47		Special	382					483				343		
AMERICAN RIVER, SOUTH FORK, AT COLOMA	A7 4170.00	38 48 06	120 53 24		Special	381				459	483				343		
AMERICAN RIVER, SF, ABOVE DIV DAM NR POLLOCK PINES	A7 4320.10	38 47 14	120 40 52		Special	381									343		
AMERICAN RIVER, SOUTH FORK, AT 42 MILE CAMP	A7 4727.01	38 47 28	120 09 04		Special	382									343		
AMERICAN RIVER, SOUTH FORK, NEAR LOTUS	A7 4150.00	38 49 05	120 56 45	July 1958	Special	381									343		
AMERICAN RIVER, SOUTH FORK, NEAR PILOT HILL	A7 4080.01	38 06 25	121 02 00		Special	381									343		
AMERICAN RIVER, SOUTH FORK, NEAR PLACERVILLE	A7 4200.00	38 45 58	120 49 16		Special	381									343		
AMERICAN RIVER, SOUTH FORK, AT RIVERTON	A7 4490.01	38 46 14	120 26 50		Special	382									343		
AMERICAN RIVER, SOUTH FORK, AT SILVER FORK	A7 4692.01	38 46 12	120 18 38	June 1960	Special	382									343		
ANTELOPE CREEK NEAR MOUTH NEAR RED BLUFF	A0 4520.50	40 06 30	122 06 35	Oct. 1958	Special	359									340		
ANTELOPE CREEK NEAR RED BLUFF	A4 5110.50	40 12 10	122 07 05	Nov. 1958	Special	376									340		
ANTELOPE LAKE AT ANTELOPE CREEK BRIDGE	A5 R 011.3 034.1	40 11 18	120 34 05	Oct. 1969	Special	377	425			457	480				341		
ANTELOPE LAKE AT EAST END OF DAM	A5 R 010.8 036.3	40 10 47	120 36 20	Oct. 1969	Special	376	425			457	480				341		
ANTELOPE LAKE AT LONE ROCK CAMPGROUND	A5 R 011.7 036.5	40 11 42	120 36 32	Oct. 1969	Special	377	425			457	480				341		
BATTLE CREEK NEAR COTTONWOOD	A4 7110.00	40 23 50	122 08 05	April 1958	Special	376									340		
BEAR CREEK NEAR RUMSEY	A8 1250.00	38 56 38	122 20 34	Oct. 1968	Monthly	383					483				342		
BEAR RIVER AT FORTY MILE ROAD NEAR WHEATLAND	A0 6535.01	38 59 04	121 29 12	Mar. 1970	Biweekly	367					475				343		
BEAR RIVER NEAR RIO OSO	A0 6512.01	38 58 26	121 32 27	Feb. 1970	Biweekly	366					475				340		
BEAR RIVER NEAR WHEATLAND	A0 6550.00	39 00 01	121 24 20	Dec. 1951	Continuous	367					476			527	343		
BEAVER SLOUGH NEAR THORNTON	B9 D 812.3 126.8	38 12 15	121 26 46		Monthly	405	440				494					346	
BIG BREAK AT BIG BREAK RESORT	B9 D 800.8 143.9	38 00 48	121 43 54	Mar. 1968	Irregular							504				347	
BIG BREAK NEAR OAKLEY	B9 D 801.1 142.6	38 01 05	121 42 38	Mar. 1968	Monthly	393	431				488	505				347	
BIG CHICO CREEK NEAR CHICO	A4 2110.00	39 46 35	121 45 45	July 1952	Bimonthly	375									340		
BIG GRIZZLY CREEK AB OLD HOUSE CREEK AB LAKE DAVIS	A5 5488.01	39 55 36	120 34 42	June 1970	Special	376									341*		
BIG INDIAN CREEK NEAR NASHVILLE	B1 1300.01	38 33 00	120 50 49		Special	388									343		
BLUE CANYON AT MOUTH NEAR BAXTER	A7 2605.01	39 12 03	120 44 47		Special	380									343		
BUNCH CANYON AT MOUTH NEAR COLFAX	A7 2301.01	39 02 12	120 54 30		Special	380									343		
BUTTE CREEK NEAR CHICO	A4 1110.00	39 43 34	121 42 28	July 1952	Bimonthly	375									340		
BUTTE SLOUGH AT OUTFALL GATES	A0 2967.00	39 11 42	121 56 06	Aug. 1969	Biweekly	357					467				340		
CACHE CREEK NEAR CAPAY	A8 1120.00	38 43 43	122 06 14	Dec. 1951	Continuous	382								529	342		
CACHE CREEK NEAR LOWER LAKE	A8 1350.00	38 55 24	122 33 54	Dec. 1951	Monthly	384					484				340		
CACHE CREEK, NORTH FORK, NEAR LOWER LAKE	A8 2050.00	39 01 06	122 34 05	Dec. 1951	Monthly	384									340		
CALAVERAS RIVER BELOW NEW HOGAN DAM	B2 5300.00	38 11 48	120 43 16	Jan. 1964	Irregular	389									343		
CALAVERAS RIVER ABOVE NEW HOGAN RESERVOIR	B2 5320.10	38 11 48	120 43 16	Jan. 1964	Special	389									343		
CALAVERAS RIVER AT STOCKTON	B0 2515.01	37 59 35	121 17 11	July 1958	Special	386									343		
CAMP CREEK BELOW DIAMOND CREEK NEAR BALTIC LOOKOUT	B1 2470.01	38 43 18	120 30 22		Special	388									343		
CAMP CREEK NEAR SOMERSET	B1 2300.00	38 29 28	120 39 42		Special	388									343		
CANYON CREEK NEAR GEORGETOWN	A7 3200.00	38 56 03	120 52 19		Special	381									343		
CARQUINEZ STRAIT AT CROCKETT	E0 B 803.5 213.3	38 03 28	122 13 18		Four-day			448	449								
CARQUINEZ STRAIT AT MARTINEZ	E0 B 801.9 207.8	38 01 55	122 07 46		Four-day			448	449								
CARSON RIVER, EF, AT HWY 4 BRIDGE NR MARKLEEVILLE	G8 3420.20	38 41 20	119 45 44	Sept. 1958	Semiannual	417									345		
CARSON RIVER, WEST FORK, AT WOODFORDS	G8 2300.00	38 46 10	119 50 00	Aug. 1958	Semiannual	417									345		
CEDAR CREEK AT COYOTEVILLE	B1 4125.01	38 32 57	120 41 41		Special	389									343		
CLEAR CREEK NEAR IGO	A3 6130.00	40 30 47	122 31 24	April 1958	Four-month	375									338		
CLEAR LAKE NEAR CLEARLAKE HIGHLANDS	A8 L 857.0 239.6	38 58 05	122 39 46	Nov. 1968	Special	385					484				340		
CLEAR LAKE AT LAKEPORT	A8 L 902.7 254.7	39 02 36	122 54 48	April 1951	Monthly						485				340		
COLUSA BASIN DRAIN AT HIGHWAY 20	A0 2976.00	39 11 45	122 03 35		Monthly	357									340		
COLUSA BASIN DRAIN NEAR KNIGHTS LANDING	A0 2947.10	38 48 45	121 46 25	Mar. 1967	Continuous	356					464			525	342		
COSUMNES RIVER AT MCCONNELL	B0 1125.00	38 21 29	121 20 34	July 1968	Special	385									343		
COSUMNES RIVER AT MICHIGAN BAR	B1 1150.00	38 30 01	121 02 40	July 1952	Continuous	387								532	343		
COSUMNES RIVER AT SLOUGHHOUSE	B0 1170.00	38 29 06	121 11 16		Special	385									343		
COSUMNES RIVER, MIDDLE FORK, AT MOUTH	B1 3000.01	38 23 22	120 50 24		Special	388									343		
COSUMNES RIVER, MF, AT PI PI RESERVOIR SITE	B1 3600.00	38 34 01	120 26 24		Special	389									343		
COSUMNES RIVER, MIDDLE FORK, NEAR SOMERSET	B1 3150.00	38 37 29	120 42 02	Oct. 1967	Irregular	388									343		
COSUMNES RIVER, NF, AT BUCKS BAR	B1 2200.01	38 39 12	120 42 02	Oct. 1967	Special	388									343		
COSUMNES RIVER, NORTH FORK, NEAR EL DORADO	B1 2100.00	38 35 20	120 50 38		Irregular	388									343		
COSUMNES RIVER, NORTH FORK, AT SWEENEYS CROSSING	B1 2659.01	38 39 07	120 37 28		Special	388									343		
COSUMNES RIVER, SOUTH FORK, AT RIVER PINES	B1 4110.01	38 32 48	120 44 10		Quarterly	389									343		
COSUMNES RIVER, SOUTH FORK, NEAR RIVER PINES	B1 4100.00	39 33 27	120 47 32	Oct. 1967	Special	389									343		
COSUMENS RIVER, STEELY FORK, NEAR COLES STATION	B1 2670.01	38 37 17	120 34 38		Special	388									343		
COTTONWOOD CREEK AT COTTONWOOD	A0 3520.50	40 22 35	122 16 45	April 1951	Monthly	358									340		
COTTONWOOD CREEK BELOW NORTH FORK COTTONWOOD CREEK	A0 3540.00	40 23 00	122 29 10	Oct. 1958	Bimonthly	358									340		
COTTONWOOD CREEK, SOUTH FORK, NEAR COTTONWOOD	A0 3595.00	40 19 00	122 26 55	Nov. 1958	Irregular	359									340		
COW CREEK NEAR MILLVILLE	A4 8110.00	40 30 20	122 13 55	April 1958	Four-month	376									338		
DEER CREEK NEAR SLOUGHHOUSE	B0 1580.00	38 33 06	121 06 30		Special	385									343		
DISAPPOINTMENT SLOUGH NEAR LODI	B9 D 802.7 123.3	38 02 42	121 23 15		Monthly	397	434				490					347	
DRY CREEK AT FORTY MILE ROAD NEAR RIO OSO	A0 6620.01	38 59 47	121 29 25	Mar. 1970	Biweekly	368					476				343		
DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	B9 D 800.7 138.4	38 00 43	121 38 24	May 1955	Four-day	393	431	448	449		487					347	
EAST WALKER RIVER NEAR BRIDGEPORT	G9 3200.00	38 19 40	119 12 49	Aug. 1958	Semiannual	418									345		
ELDER CREEK NEAR PASKENTA	A3 3110.00	40 01 30	122 30 36	Oct. 1958	Four-month	375									340		
FALSE RIVER AT BRADFORD ISLAND	B9 D 803.5 140.0	38 03 28	121 40 01	April 1965	Four-day			448	449							347	

TABLE D-1 (Cont.)

SAMPLING STATION DATA AND INDEX

Station	Station Number	Location		Beginning Of Record	Frequency Of Sampling	Analyses on Pages											
		Latitude ° ' "	Longitude ° ' "			Tables									Figures		
						D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9	D-10	D-1	D-2	D-3
FALSE RIVER AT WEBB PUMP	B9 D 803.7 136.1	38 03 43	121 36 03	Feb. 1968	Monthly	399	436				492					347	
FEATHER RIVER NEAR GRIDLEY	A0 5165.00	39 22 01	121 38 43	Mar. 1967	Biweekly	363	423			457	471				340		
FEATHER RIVER AT NICOLAUS	A0 5103.00	38 54 01	121 35 00	Mar. 1949	Biweekly	359	421			457	468				342		
FEATHER RIVER AT SHANGHAI BEND	A0 5125.00	39 05 58	121 35 40	Mar. 1970	Biweekly	361					470				340		
FEATHER RIVER BELOW SHANGHAI BEND	A0 5120.00	39 04 44	121 36 08	July 1958	Biweekly	361					469				340		
FEATHER RIVER BELOW STAR BEND	A0 5111.01	39 00 32	121 34 42	Feb. 1970	Biweekly	360					469				340		
FEATHER RIVER ABOVE YUBA RIVER AT YUBA CITY	A0 5134.01	39 07 45	121 35 55	Feb. 1970	Biweekly	362					470				340		
FEATHER RIVER AT YUBA CITY DIVERSION	A0 5136.01	39 09 35	121 36 37	Sept. 1969	Biweekly	362	423				471				340		
FEATHER RIVER FISH HATCHERY	A0 5990.00	39 31 05	121 33 11	Mar. 1969	Continuous								519		340		
FRANKS TRACT NEAR RUSSOS LANDING	B9 D 802.6 136.8	38 02 38	121 36 49	April 1968	Monthly	396	433				489	509				347	
FREEMAN CREEK NEAR LAKE DAVIS	A5 5486.55	39 54 42	120 34 00	June 1970	Special	376									341*		
FRENCHMAN LAKE AT CRYSTAL SPRINGS CAMPGROUND	A5 R 954.9 010.9	39 54 55	120 10 52	Oct. 1969	Irregular	378	426			459	481				341		
FRENCHMAN LAKE NEAR UPPER END	A5 R 956.9 012.3	39 56 55	120 12 16	Oct. 1969	Irregular	379	427			459	483				341		
FRENCHMAN LAKE AT WEST END OF DAM	A5 R 953.6 011.4	39 53 37	120 11 26	June 1962	Irregular	378	426			458	481				341		
GENERAL CREEK NEAR MEEKS BAY	G7 3300.01	39 03 15	120 06 49	July 1968	Special	411	445				500				341		
GRANITE CREEK AT LOTUS	A7 4162.01	38 48 00	120 54 45		Special	381									343		
GRINDSTONE CREEK NEAR ELK CREEK	A3 1302.00	39 40 48	122 31 52	April 1969	Bimonthly	374					479				340		
HOG SLOUGH NEAR THORNTON	B9 D 810.1 127.9	38 10 06	121 27 55		Monthly	404	439				494					346	
INCLINE CREEK AT INCLINE VILLAGE	G7 3253.01	39 14 30	119 56 33	July 1968	Special	411	445				499				341		
JACK SLOUGH AT MARYSVILLE	A0 5660.00	39 09 34	121 35 34	Sept. 1967	Biweekly	364					472				340		
LAKE DAVIS IN COW CREEK CHANNEL	A5 R 954.9 032.1	39 54 54	120 32 05	June 1970	Special	379					482				341*		
LAKE DAVIS NEAR DAM	A5 R 953.0 028.6	39 52 58	120 28 34	May 1970	Monthly	377	426			458	481				341*		
LAKE DAVIS IN FREEMAN CREEK CHANNEL	A5 R 955.3 033.0	39 55 18	120 12 18	June 1970	Special	379					482				341*		
LAKE DAVIS IN GRIZZLY CREEK CHANNEL	A5 R 955.7 033.7	39 55 40	120 33 42	June 1970	Special	379					482				341*		
LAKE DAVIS, MIDLAKE	A5 R 954.9 030.3	39 54 55	120 30 20	May 1970	Monthly	378	426			459	481				341*		
LAKE DAVIS OPPOSITE MT. NICHOLS LOGGING ROAD	A5 R 955.8 030.4	39 55 50	120 30 23	Oct. 1969	Special	379	427			459	482				341*		
LAKE DAVIS AT NORTHEAST END OF DAM	A5 R 953.0 028.4	39 53 02	120 28 25	Oct. 1969	Special	377	426			458	480				341*		
LAKE DAVIS NEAR NORTH END	A5 R 955.9 031.3	39 55 55	120 31 20	May 1970	Monthly	379	427			459	482				341*		
LAKE DAVIS AT VALLEY VISTA RECREATION AREA	A5 R 956.1 031.3	39 56 06	120 31 18	May 1970	Special	379	427			459	483				341*		
LAKE DAVIS OUTLET TO GRIZZLY CREEK	A5 R 952.8 028.2	39 52 48	120 28 12	May 1970	Monthly	377				458					341*		
LAKE OROVILLE AT BIDWELL BAR BRIDGE (STATION 3)	A5 R 933.1 125.7	39 33 06	121 25 42	April 1968	Monthly	377	425			458	480				341		
LAKE OROVILLE IN NORTH FORK ARM (STATION 2)	A5 R 937.0 129.3	39 37 00	121 29 18	April 1968	Monthly	377	425			458	480				341		
LAKE OROVILLE NEAR OROVILLE DAM (STATION 1)	A5 R 932.7 128.5	39 32 42	121 28 30	April 1968	Irregular	377	425			458	480				341		
LAKE TAHOE AT CHAMBER LODGE	G7 L 904.5 008.3	39 04 28	120 08 17	July 1968	Special	414	446				498				341		
LAKE TAHOE AT GLENBROOK	G7 L 905.4 956.4	39 05 22	119 56 26	July 1968	Special	415	446				498				341		
LAKE TAHOE AT INCLINE GUARD STATION	G7 L 914.2 956.8	39 14 15	119 56 45	July 1968	Special	417	447				499				341		
LAKE TAHOE NEAR LAKE FOREST	G7 L 910.8 007.1	39 10 35	120 06 50	July 1968	Special	416	447				499				341		
LAKE TAHOE, NORTH CENTER	G7 L 908.7 000.3	39 08 42	120 00 15	July 1968	Special	415	446				498				341		
LAKE TAHOE AT RUBICON BAY	G7 L 900.8 006.6	39 00 51	120 06 39	July 1968	Special	414	446				498				341		
LAKE TAHOE, SOUTH CENTER	G7 L 900.0 000.0	39 00 00	120 00 00	July 1968	Special	413	446				497				341		
LAKE TAHOE NEAR TAHOE KEYS	G7 L 856.6 000.6	38 56 37	120 00 37	July 1968	Special	412	445				497				341		
LAKE TAHOE AT TAHOE VISTA	G7 L 914.2 002.2	39 14 10	120 02 11	July 1968	Special	416	447				499				341		
LAKE TAHOE NEAR TAYLOR CREEK	G7 L 956.6 003.4	38 56 34	120 03 23	July 1968	Special	412	445				497				341		
LAKE TAHOE AT ZEPHYR COVE	G7 L 900.5 957.0	39 00 32	119 56 58	July 1968	Special	414	446				497				341		
LONG CANYON AT RAMSEY CROSSING	A7 5117.01	38 59 54	120 33 10		Special	382									343		
MCCLOUD RIVER ABOVE SHASTA LAKE	A2 2150.00	40 57 30	122 13 05	April 1951	Monthly	373									338		
MIDDLE RIVER AT BORDEN HIGHWAY	B9 D 753.5 129.3	37 53 28	121 29 20	Sept. 1968	Monthly	391	428				486					347	
MIDDLE RIVER AT WILLIAMS BRIDGE NEAR HOLT	B9 D 752.6 122.9	37 52 35	121 22 56		Monthly	390	428				486					347	
MILL CREEK NEAR MOUTH NEAR LOS MOLINOS	A4 4110.00	40 02 35	122 05 55	July 1952	Bimonthly	376									340		
MOKELUMNE RIVER NEAR THORNTON	B9 D 815.3 126.3	38 15 20	121 26 21		Monthly	406	440				495	515				346	
MOKELUMNE RIVER AT WOODBRIDGE	B0 2105.00	38 09 30	121 18 10	April 1951	Continuous	385								530	343		
NATOMAS CROSS CANAL AT VERONA	A0 X 846.8 136.2	38 46 50	121 36 11		Biweekly	370					477				342		
NATOMAS EAST MAIN DRAIN AT SACRAMENTO	A0 V 836.3 128.4	38 36 18	121 28 25		Biweekly	370									343		
NEW YORK SLOUGH NEAR PITTSBURG POINT	B9 D 801.9 151.4	38 01 54	121 51 25	Sept. 1968	Monthly	396	433				489					347	
NORTH HONCUT CREEK AT HIGHWAY 70	A0 5710.01	39 18 35	121 35 42	April 1967	Biweekly	364					473				340		
OLD RIVER AT CLIFTON COURT FERRY	B9 D 749.5 133.1	37 49 28	121 33 05	Oct. 1963	Continuous								520			347	
OLD RIVER BELOW HEAD	B9 D 748.5 120.0	37 48 32	121 19 59		Special		428				486					347	
OLD RIVER AT HOLLAND TRACT	B9 D 800.5 134.8	38 00 27	121 34 47	April 1968	Monthly	392	431				487					347	
OLD RIVER AT JUNCTION OF MIDDLE RIVER	B9 D 749.3 122.5	37 49 19	121 20 27		Special		428				486					347	
OLD RIVER AT MOUTH	B9 D 804.4 134.2	38 04 23	121 34 14	Feb. 1968	Monthly	400	436				492					347	
OLD RIVER AT TRACY ROAD BRIDGE	B9 D 748.3 126.9	37 48 17	121 26 55	Feb. 1968	Monthly	390	427				485					347	
PALERMO CANAL OUTLET FROM LAKE OROVILLE	A5 C 932.0 128.9	39 32 00	121 28 53			376									341		
PERRY CREEK NEAR FAIR PLAY	B1 3158.01	38 35 52	120 39 08		Special	389									343		
PERRY CREEK NEAR SOMERSET	B1 3155.01	38 37 31	120 41 55		Special	388									343		
PILOT CREEK NEAR GEORGETOWN	A7 5200.00	38 54 17	120 36 17		Special	382									343		
PIT RIVER NEAR CANBY	A1 1680.00	41 24 23	120 55 38	April 1951	Monthly	371	424								339		
PIT RIVER NEAR MONTGOMERY CREEK	A1 1020.00	40 50 30	122 01 00	April 1951	Bimonthly	371									338		
PIT RIVER, SOUTH FORK, NEAR LIKELY	A1 4400.00	41 13 51	120 26 10	Aug. 1958	Special	372									339		
PUTAH CREEK NEAR WINTERS	A9 1250.00	38 30 55	122 04 50	Dec. 1951	Monthly	385									342		
R. D. 70 DRAINAGE TO SACRAMENTO RIVER	A0 2965.00	39 04 06	121 51 42	Aug. 1969	Biweekly	357					466				340		
R. D. 108 DRAINAGE TO SACRAMENTO RIVER	A0 2933.00	38 51 48	121 47 30	Aug. 1969	Biweekly	356					464				342		
R. D. 787 DRAINAGE TO COLUSA BASIN DRAIN	A0 2950.00	38 48 06	121 43 36	Aug. 1969	Monthly	356					465				342		
R. D. 787 DRAINAGE TO SACRAMENTO RIVER	A0 2955.00	38 50 48	121 43 48	Aug. 1969	Biweekly	357					465				342		
R. D. 1000 DRAIN NO. 3 TO SACRAMENTO RIVER	A0 2911.50	38 38 43	121 33 46		Monthly						463				342		
RED BANK CREEK NEAR RED BLUFF	A0 3460.00	40 05 25	122 24 45	Jan. 1959	Special	358									340		
ROCK CREEK NEAR MOSQUITO CAMP	A7 4242.01	38 47 45	120 46 30		Special	381									343		
RUBICON RIVER AT ELLICOTT ROAD	A7 5250.10	38 57 37	120 28 54		Special	382									343		
RUBICON RIVER BELOW HELL HOLE DAM	A7 5310.00	39 03 25	120 24 27		Special	382									343		
RUBICON RIVER BEL RALSTON POWERHOUSE NR FORESTHILL	A7 5050.01	39 00 02	120 43 24		Special	382				459	483				343		
SACRAMENTO RIVER AT BEND BRIDGE	A0 2785.00	40 15 48	122 13 19	Jan. 1957	Biweekly	355	421				463				340		
SACRAMENTO RIVER AT BUTTE CITY	A0 2500.00	39 27 35	121 59 35	Jan. 1957	Bimonthly	355									340		
SACRAMENTO RIVER AT COLLINSVILLE	B9 D 804.4 151.0	38 04 27	121 50 58	1924	Four-day			448	449							347	
SACRAMENTO RIVER AT COLUSA	A0 2420.00	39 12 48	121 59 54	Oct. 1958	Continuous	354	420							523	340		
SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN	A0 2230.02	38 48 29	121 43 25	July 1960	Biweekly	354	420				462				340		
SACRAMENTO RIVER AT DELTA	A2 1300.00	40 56 20	122 24 55	April 1951	Monthly	372									338		
SACRAMENTO RIVER AT ELKHORN FERRY	A0 2112.00	38 40 33	121 37 15	Aug. 1969	Biweekly	352					461				342		
SACRAMENTO RIVER AT EMMATON	B9 D 805.1 144.3	38 05 04	121 44 17	Oct. 1967	Monthly	401	436				493					347	
SACRAMENTO RIVER BELOW EMMATON	B9 D 804.6 145.2	38 04 35	121 45 10	1955	Four-day			448	449							347	
SACRAMENTO RIVER AT FREEPORT	B9 D 827.3 130.0	38 27 21	121 30 00	June 1960	Biweekly	408	443				495					346	
SACRAMENTO RIVER AT FREMONT WEIR, WEST END	A0 2170.00	38 45 34	121 39 59	June 1965	Continuous	353					461	502	518		342		

* Area of concentrated sampling.

TABLE D-1 (Cont.)

SAMPLING STATION DATA AND INDEX

Station	Station Number	Location		Beginning Of Record	Frequency Of Sampling	Analyses on Pages											
		Latitude ° ′ ″	Longitude ° ′ ″			Tables									Figures		
						D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9	D-10	D-1	D-2	D-3
SACRAMENTO RIVER AT GREENE'S LANDING	B9 D 820.7 132.7	38 20 45	121 32 42	July 1962	Monthly	407	442				495					346	
SACRAMENTO RIVER AT HAMILTON CITY	AO 2630.00	39 45 06	121 59 48	April 1951	Continuous	355	420							524	340		
SACRAMENTO RIVER AT ISLETON BRIDGE	B9 D 810.3 135.6	38 10 20	121 35 35	April 1960	Four-day		448	449								346	
SACRAMENTO RIVER AT KESWICK	A2 1010.00	40 36 40	122 26 45	April 1951	Biweekly	372	424				477				338		
SACRAMENTO RIVER BELOW KNIGHTS LANDING	AO 2195.01	38 45 38	121 40 35	July 1967	Monthly	353	420									342	
SACRAMENTO RIVER AT PITTSBURG	B9 D 802.3 153.0	38 02 18	121 52 58	1945	Four-day			448	449							347	
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9 D 809.6 141.1	38 09 35	121 41 06	April 1951	Four-day	404	438	448	449		494	513				346	
SACRAMENTO RIVER AT WALNUT GROVE	B9 D 814.5 130.8	38 14 32	121 30 48	Dec. 1960	Continuous								522			346	
SACRAMENTO SLOUGH AT SACRAMENTO RIVER	AO 2925.00	38 46 50	121 38 03	Jan. 1951	Biweekly	355					463				342		
SAN JOAQUIN RIVER AT ANTIOCH	B9 D 801.1 148.1	38 01 04	121 48 06	April 1951	Continuous			448	449				522			347	
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9 D 801.7 145.0	38 01 43	121 44 58	June 1960	Four-day			448	449							347	
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE (AT LIGHT 12)	B9 D 801.6 145.2	38 01 38	121 45 12	June 1960	Monthly	394	432				489					347	
SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL	B9 D 801.2 148.5	38 01 15	121 48 28	Mar. 1968	Monthly	394	432				488	506				347	
SAN JOAQUIN RIVER AT BLIND POINT	B9 D 801.9 143.2	38 01 57	121 43 09	May 1968	Biweekly	395										347	
SAN JOAQUIN RIVER AT BRANDT BRIDGE	B9 D 751.9 119.3	37 51 53	121 19 19	Aug. 1940	Special		428				486					347	
SAN JOAQUIN RIVER AT BUCKLEY COVE	B9 D 758.7 122.9	37 58 42	121 22 55	Feb. 1968	Monthly	392	429				487	502				347	
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9 D 802.6 141.5	38 02 37	121 41 32	July 1952	Four-day			448	449							347	
SAN JOAQUIN RIVER AT JERSEY POINT	B9 D 803.1 141.3	38 03 09	121 41 17	Oct. 1967	Biweekly	398	434				490	511				347	
SAN JOAQUIN RIVER AT LIGHT NO 24	B9 D 759.9 126.6	37 59 51	121 26 36		Special		430				487					347	
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9 D 747.2 11B.4	37 47 11	121 18 22	Sept. 1952	Continuous	389	427	448	449		485	502	520	533		347	
SAN JOAQUIN RIVER AT RINDGE PUMP	B9 D 759.8 125.1	37 59 51	121 25 06	Jan. 1965	Continuous								521			347	
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9 D 806.3 135.6	38 06 20	121 35 37	Mar. 1952	Four-day			448	449							347	
SAN JOAQUIN RIVER AT TWITCHELL ISLAND	B9 D 805.8 140.1	38 05 50	121 40 05	Feb. 1968	Monthly	402	437				493					347	
SAN JOAQUIN RIVER NEAR VERNALIS	BO 7020.00	37 40 30	121 15 51	1951	Monthly	386	427				485				343		
SCOTT CREEK BELOW CEDAR CREEK NEAR AUKUM	B1 4120.01	38 32 54	120 42 50		Special	389									343		
SHERMAN LAKE NEAR ANTIOCH	B9 D 802.6 147.6	38 02 34	121 47 34		Monthly	397	434				490					347	
SHIRTTAIL CANYON ABOVE DEVILS CANYON	A7 2358.01	39 02 23	120 53 39		Special	380									343		
SILVER CREEK BELOW JUNCTION DAM NEAR RIVERTON	A7 4380.00	38 51 08	120 27 19		Special	382									343		
SNODGRASS SLOUGH AT SOUTHERN PACIFIC RR BRIDGE	B9 D 819.1 130.1	38 19 03	121 30 04		Monthly	407	442				495					346	
SNODGRASS SLOUGH AT TWIN CITIES ROAD NEAR HOOD	B9 D 816.6 129.8	38 16 37	121 29 45		Monthly	406	442				495					346	
STEAMBOAT SLOUGH ABOVE CACHE SLOUGH	B9 D 811.0 139.3	38 10 59	121 39 20	Feb. 1968	Monthly	405	440				494					346	
STOCKTON DIVERTING CANAL AT STOCKTON	BO 2580.00	37 58 53	121 14 54	Aug. 1969	Continuous	386								531	343		
STOCKTON SHIP CHANNEL AT BURNS CUTOFF	B9 D 757.8 121.9	37 57 46	121 21 54	Sept. 1968	Continuous		429				487		521	534		347	
STONY CREEK BELOW BLACK BUTTE DAM	A3 1110.00	39 49 00	122 20 10	Jan. 1958	Bimonthly	373					478				340		
STONY CREEK NEAR FRUTO	A3 1250.00	39 40 15	122 31 05	Feb. 1960	Monthly	374					478				340		
STRAWBERRY CREEK AT SCIOTS CAMP	A7 4726.01	38 47 16	120 09 10		Special	382									343		
SUISUN BAY AT NICHOLS	EO B 803.0 159.0	38 03 01	121 58 58	1945	Four-day			448	449								
SUISUN BAY AT PORT CHICAGO	EO B 803.4 202.3	38 03 24	122 02 20	1945	Four-day			448	449								
SUSAN RIVER NEAR LITCHFIELD	G4 1590.01	40 22 45	120 23 35	Nov. 1968	Monthly	410									341		
SUSAN RIVER AT SUSANVILLE	G4 1600.00	40 25 05	120 40 15	April 1951	Monthly	410									341		
SYCAMORE SLOUGH AT DRAIN NEAR LODI	B9 D 808.8 125.8	38 08 48	121 25 46	Feb. 1969	Monthly	403	438				493					346	
TAYLOR CREEK NEAR CAMP RICHARDSON	G7 3571.01	38 55 50	120 03 13	July 1968	Special	411	445				500				343		
THERMALITO AFTERBAY RLSE TO FEATHER R NR OROVILLE	AO 5975.00	39 27 26	121 38 09		Continous								518		340		
THERMALITO FOREBAY AT NELSON AVENUE BRIDGE	AO R 931.5 136.7	39 31 28	121 36 42			369									340		
THERMALITO POWER CANAL AT CALIFORNIA WTR CO TURNOUT	AO X 931.7 133.3	39 31 42	121 33 15			371									340		
THOMES CREEK AT PASKENTA	A3 2120.00	39 52 57	122 33 03	Oct. 1958	Monthly	374					479				340		
THOMES CREEK AT RICHFIELD	AO 3220.01	39 58 45	122 10 35	Jan. 1959	Special	358									340		
THREE MILE SLOUGH AT SACRAMENTO RIVER	B9 D 806.4 142.0	38 06 22	121 42 02	1931	Four-day	403	437	448	449		493					347	
THREE MILE SLOUGH AT SAN JOAQUIN RIVER	B9 D 805.2 141.1	38 05 13	121 41 07	1955	Four-day			448	449							347	
TRUCKEE RIVER AT FARAD	G7 1195.00	39 25 13	120 01 51	April 1951	Special	411									341		
WEBER CREEK BELOW PINEHEM CREEK	A7 4100.10	38 45 44	120 58 58		Special	481									343		
WEST WALKER R BELOW LITTLE WALKER R NEAR COLEVILLE	G9 2460.00	38 22 47	119 26 57		Semiannual	417									345		
WILLOW CREEK AT NATOMA	A7 1114.01	38 39 25	121 10 53		Special	380									343		
WHISKY SLOUGH AT HOLT	B9 D 756.1 125.8	37 56 07	121 25 49		Monthly	391	429				487					347	
WHITE SLOUGH AT RIO BLANCO TRACT NEAR LODI	B9 D 805.2 124.1	38 05 14	121 24 07		Monthly	401	436				493					347	
WHITE SLOUGH NEAR LODI	B9 D 805.2 126.0	38 05 07	121 26 03		Monthly	402	437				493					347	
UNION VALLEY RESERVOIR AT DAM	A7 R 852.2 026.3	38 52 11	120 26 18		Special	382									343		
UPPER TRUCKEE RIVER NEAR MOUTH	G7 3705.01	38 55 24	119 59 28	July 1968	Special	412	445				500				341		
YUBA RIVER AT MARYSVILLE	AO 6120.00	39 08 32	121 34 30	April 1951	Continuous	365					473		519	526	340		
YUBA RIVER NEAR MARYSVILLE	AO 6150.00	39 10 35	121 31 25	Oct. 1967	Biweekly	366					477				340		

TABLE D-2

MINERAL ANALYSES OF SURFACE WATER

Abbreviations and Codes

Sampler - 5001 - U. S. Bureau of Reclamation
5002 - U. S. Army Corps of Engineers
5050 - Department of Water Resources
5212 - Yuba City Water Treatment Plant
5213 - Marysville Sewage Treatment Plant
5401 - Cordua Water District
5402 - Linda Public Utility District
5403 - Reclamation District 784
5405 - Wheatland Sewage Treatment Plant

Lab - 5000 - U. S. Geological Survey Laboratory at Sacramento
5006 - McClellan Air Force Base Laboratory (used by USBR)
5050 - Department of Water Resources Laboratory at Bryte
5060 - Department of Public Health Laboratory at Berkeley

G.H. - Instaneous gage height in feet above an established datum

Q or Depth - Instaneous discharge measured in cubic feet per second (cfs) or the depth at which the sample was collected

DO - Dissolved oxygen content in milligrams per liter

Sat - Percent saturation

Temp - Water temperature in degrees Fahrenheit (F) and Celsius (C)

pH - Measure of acidity or alkalinity of water

EC - Specific electrical conductance in micromhos at 25° Celsius

TDS - Gravimetric determination of total dissolved solids at 180°C

Sum - Summation of analyzed constituents in prescribed manner

TH - Total hardness

NCH - Noncarbonate hardness

Turb - A - Jackson Turbidity Units measured with a Hach Nephelometer
E - Jackson Turbidity Units measured with a Hellege Turbidmeter

Percent Reactance Value is determined by dividing the sum of the cations or anions in milliequivalents per liter into each constituent in milliequivalents per liter, arriving at a percentage. For a partial analysis, an approximate value is determined by multiplying the electrical conductance by 0.01 and using that as the cation or anion sum.

Chemical Symbols

B	- Boron	K	- Potassium
Ca	- Calcium	Mg	- Magneisum
Cl	- Chloride	Na	- Sodium
CO_3	- Carbonate	NO_3	- Nitrate
F	- Fluoride	SiO_2	- Silica
HCO_3	- Bicarbonate	SO_4	- Sulfate

TABLE D-2

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	OO SAT	TEMP	FIELD PH	LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
	A0	2112.00			SACRAMENTO RIVER AT ELKHORN FERRY															
10/07/69	5050		10.6	59 F	7.5	117	--	--	--	--	--	--	--	--	--	--	--			20E
1010	5050		106	15 C		119											--			
10/21/69	5050		9.9	56 F	7.3	120	--	--	--	--	--	--	--	--	--	--	--			20E
1000	5050		94	13 C		122											--			
11/04/69	5050		9.9	58 F	7.3	121	--	--	--	--	--	--	--	--	--	--	--			11E
1010	5050		97	14 C		128											--			
11/18/69	5050		10.7	56 F	7.4	124	--	--	--	--	--	--	--	--	--	--	--			15E
1300	5050		102	13 C		136											--			
12/02/69	5050		11.2	50 F	7.3	125	--	--	--	--	--	--	--	--	--	--	--			15E
1110	5050		99	10 C		126											--			
12/16/69	5050		10.6	50 F	7.2	120	--	--	--	--	--	--	--	--	--	--	--			80E
1230	5050		94	10 C		115											--			
01/06/70	5050		11.3	45 F	7.4	132	--	--	--	--	--	--	--	--	--	--	--			40E
1120	5050		93	7 C		127											--			
01/20/70	5050		11.6	50 F	7.0	78	--	--	--	--	--	--	--	--	--	--	--			50E
1320	5050		103	10 C		77											--			
02/17/70	5050		11.0	49 F	7.2	100	--	--	--	--	--	--	--	--	--	--	--			90E
1200	5050		95	9 C		104											--			
03/03/70	5050		11.0	50 F	7.2	90	--	--	--	--	--	--	--	--	--	--	--			75E
1115	5050		98	10 C		100											--			
03/17/70	5050		12.1	54 F	7.4	125	--	--	--	--	--	--	--	--	--	--	--			45E
1145	5050		113	12 C		134											--			
04/07/70	5050		9.5	58 F	7.5	165	--	--	--	--	--	--	--	--	--	--	--			40E
0900	5050		93	14 C		170											--			
04/21/70	5050		9.8	57 F	7.3	155	--	--	--	--	--	--	--	--	--	--	--			35E
0900	5050		93	14 C		156											--			
05/05/70	5050		9.1	63 F	7.4	145	--	--	--	--	--	--	--	--	--	--	--			25E
1010	5050		95	17 C		150											--			
05/19/70	5050		8.7	67 F	7.5	175	--	--	--	--	--	--	--	--	--	--	--			35E
1540	5050		95	19 C		187											--			
06/03/70	5050		7.9	72 F	7.3	175	--	--	--	--	--	--	--	--	--	--	--			25E
0940	5050		91	22 C		198											--			
06/16/70	5050		8.7	67 F	7.4	170	--	--	--	--	--	--	--	--	--	--	--			35E
0745	5050		95	19 C		172											--			
07/21/70	5050		8.5	74 F	7.4	156	--	--	--	--	--	--	--	--	--	--	--			30E
1210	5050		100	23 C		163											--			
08/04/70	5050		8.1	72 F	7.8	160	--	--	--	--	--	--	--	--	--	--	--			25E
0900	5050		94	22 C		164											--			
08/18/70	5050		8.6	73 F	7.9	160	--	--	--	--	--	--	--	--	--	--	--			25E
1300	5050		99	23 C		166											--			
09/02/70	5050		8.6	69.4F	7.5	156	--	--	--	--	--	--	--	--	--	--	--			20E
0955	5050		97	20.8C		153											--			
09/15/70	5050		9.4	65 F	7.4	150	--	--	--	--	--	--	--	--	--	--	--			25E
1215	5050		100	18 C		158											--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
AO	2170.00			SACRAMENTO RIVER AT FREMONT WEIR WEST END																
10/07/69	5050		10.7	58.3F	7.4	139	11	6.4	6.5	2.1	.0	71	4.6	1.3	.9	.10	--	105	54	30E
1110	5050		106	14.6C	7.4	141	.55	.53	.28	.05	.00	1.16	.10	.04	.01		--	68	4	
							39	38	20	4		89	8	3	1					
11/04/69	5050	6.83	10.0	57.6F	7.3	149	12	6.4	7.8	2.0	.0	74	5.9	2.4	.8	.10	--	119	55	10E
1110	5050		98	14.2C	7.5	147	.60	.53	.34	.05	.00	1.21	.12	.07	.01		--	74	4	
							39	35	22	3		86	9	5	1					
12/02/69	5050	7.09	11.4	49 F	7.6	150	12	6.5	10	1.7	.0	78	3.0	4.1	.7	.10	--	107	55	10E
1230	5050		99	9 C	7.7	150	.60	.53	.44	.04	.00	1.28	.06	.12	.01		--	77	8	
							37	33	27	2		87	4	8	1					
01/06/70	5050	7.90	11.6	45 F	7.4	149	12	6.2	9.0	1.9	.0	70	5.1	4.1	.9	.10	--	74	55	50E
1315	5050		96	7 C	7.5	147	.60	.51	.39	.05	.00	1.15	.11	.12	.01		--	74	2	
							39	33	25	3		83	8	9	1					
02/03/70	5050	6.50	11.4	48 F	7.3	115	11	4.7	6.4	1.0	.0	60	5.6	3.1	.9	.10	--	90	47	180E
1250	5050		96	9 C	7.5	120	.55	.39	.28	.03	.00	.98	.12	.09	.01		--	63	2	
							44	31	22	2		82	10	8	1					
03/03/70	5050	2.51	10.9	50.8F	7.3	100	9.8	4.7	6.2	.9	.0	56	4.4	3.7	1.0	.10	--	85	44	140
1200	5050		98	10.4C	7.4	116	.49	.39	.27	.02	.00	.92	.09	.10	.02		--	59	2	
							42	33	23	2		81	8	9	2					
04/07/70	5050	7.80	9.7	59.2F	7.5	175	--	--	--	--	--	--	--	--	--	--	--			45E
1215	5050		97	15.1C		196											--			
05/05/70	5050	7.55	9.1	64 F	7.4	175	--	--	--	--	--	--	--	--	--	--	--			30E
1120	5050		95	18 C		182											--			
06/03/70	5050	4.56	8.0	72 F	7.5	180	--	--	--	--	--	--	--	--	--	--	--			30E
1030	5050		92	22 C		196											--			
07/07/70	5050	5.29	8.3	72 F	7.7	160	12	7.0	13	1.2	.0	77	9.5	6.0	.8	.00	--	106	59	70E
1030	5050		96	22 C	8.0	175	.60	.58	.57	.03	.00	1.26	.20	.17	.01		--	88	4	
							34	33	32	2		77	12	10	1					
08/04/70	5050	5.58	8.2	72 F	7.9	183	12	8.8	15	1.1	.0	87	13	6.5	.6	.00	--	116	66	50E
1000	5050		95	22 C	8.1	192	.60	.72	.65	.03	.00	1.43	.27	.18	.01		--	101	6	
							30	36	33	2		76	14	10	1					
09/01/70	5050	7.05	8.9	68.5F	7.6	200	12	10	16	.9	.0	95	14	7.9	.1	--	--	127	71	70E
1000	5050		99	20.3C	8.0	208	.60	.82	.70	.02	.00	1.56	.29	.22	.00		--	108	7	
							28	38	33	1		75	14	11						
AO	2195.01			SACRAMENTO RIVER BELOW KNIGHTS LANDING																
10/07/69	5050	8.56	11.0	60 F	7.7		--	--	6.9	--	.0	72	--	3.7	--	.00	--		53	10E
1400	5050	8530	110	16 C	7.8	147			.30		.00	1.18		.10			--			
									20			80		7						
11/04/69	5050	9.00	11.2	60 F	7.8		--	--	8.6	--	.0	75	--	6.2	--	.10	--		56	21E
1330	5050	9140	112	16 C	7.5	151			.37		.00	1.23		.17			--			
									25			81		11						
12/02/69	5050	9.26	12.9	51 F	7.8		--	--	8.9	--	.0	77	--	4.8	--	.10	--		56	5E
1320	5050	9510	115	11 C	7.7	150			.39		.00	1.26		.14			--			
									26			84		9						
04/07/70	5050	0.25	10.3	59 F	7.6		--	--	11	--	.0	90	--	6.5	--	.00	--		83	75E
1210	5050	10610	101	15 C	7.6	196			.48		.00	1.48		.18			--			
									24			76		9						
05/05/70	5050	9.65	9.8	66 F	7.5		13	7.7	14	1.4	.0	80	16	7.9	.9	.00	--	119	64	95E
1225	5050	10080	105	19 C	7.9	200	.65	.63	.61	.04	.00	1.31	.33	.22	.01		--	101	2	
							34	33	32	2		70	18	12	1					
06/03/70	5050	5.61	8.7	76 F	7.5		--	--	15	--	.0	90	--	8.0	--	.10	--		71	30E
1300	5050	6650	103	24 C	7.7	205			.65		.00	1.48		.23			--			
									32			72		11						
07/15/70	5050	7.86	9.2	72 F	7.5		--	--	11	--	.0	73	--	3.9	--	.00	--		56	20E
1230	5050	8240	105	22 C	7.9	157			.48		.00	1.20		.11			--			
									31			76		7						
08/19/70	5050	7.67	9.5	73 F	7.9		--	--	16	--	.0	93	--	7.8	--	.10	--		73	20E
1730	5050	8420	109	23 C	8.1	194			.70		.00	1.53		.22			--			
									36			79		11						
09/10/70	5050	8.44	8.6	72 F	7.3		--	--	18	--	.0	106	--	11	--	.20	--		80	30E
1400	5050	9450	98	22 C	8.1	240			.78		.00	1.74		.31			--			
									32			72		13						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
							MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
A0	2420.00				SACRAMENTO RIVER AT COLUSA															
10/07/69	5050	3.16	11.3	59 F	7.6		--	--	5.7	--	.0	67	--	2.9	--	.10	--		49	3E
1545	5050	7690	111	15 C	8.0	128			.25		.00	1.10		.08			--			
									20			86		6						
11/04/69	5050	3.44	11.4	59 F	7.6		--	--	6.4	--	.0	67	--	4.2	--	.10	--		49	7E
1550	5050	8040	112	15 C	7.4	128			.28		.00	1.10		.12			--			
									22			86		9						
12/02/69	5050	3.93	12.8	51 F	7.6		--	--	8.0	--	.0	75	--	4.4	--	.10	--		55	4E
1610	5050	8560	114	11 C	7.6	141			.35		.00	1.23		.12			--			
									25			87		9						
01/06/70	5050	2.28	12.8	46 F	7.3		--	--	6.7	--	.0	66	--	3.2	--	.10	--		50	30E
1445	5050	18300	107	8 C	7.3	130			.29		.00	1.08		.09			--			
									22			83		7						
02/03/70	5050	5.30	12.6	51 F	7.4		--	--	5.4	--	.0	58	--	1.8	--	.00	--		46	180E
1405	5050	41800	113	11 C	7.3	112			.23		.00	.95		.05			--			
									21			85		4						
03/03/70	5050	6.45	12.0	50 F	7.4		--	--	4.8	--	.0	54	--	1.4	--	.10	--		45	100E
1440	5050	24100	106	10 C	7.4	110			.21		.00	.89		.04			--			
									19			81		4						
04/07/70	5050	1.68	10.7	58 F	7.4		--	--	7.2	--	.0	79	--	3.1	--	.00	--		69	45E
1645	5050	8680	104	14 C	7.6	160			.31		.00	1.30		.09			--			
									19			81		6						
05/05/70	5050	4.51	10.5	63 F	7.6		11	5.5	7.0	1.5	.0	67	5.6	2.4	.6	.00	--	78	50	50E
1510	5050	8630	108	17 C	7.9	127	.55	.45	.30	.04	.00	1.10	.12	.07	.01		--	67	5	
							41	34	22	3		85	9	5	1					
06/03/70	5050	2.55	9.8	73 F	7.8		--	--	6.0	--	.0	68	--	4.4	--	.10	--		51	15E
1530	5050	6950	113	23 C	7.9	129			.26		.00	1.12		.12			--			
									20			87		9						
07/14/70	5050	3.80	9.7	70 F	7.7		--	--	5.4	--	.0	59	--	2.7	--	.10	--		46	25E
1415	5050	8530	108	21 C	7.8	113			.23		.00	.97		.08			--			
									20			86		7						
08/19/70	5050	2.13	9.8	68 F	7.5		--	--	5.8	--	.0	64	--	2.8	--	.10	--		50	10E
1145	5050	6630	107	20 C	7.7	122			.25		.00	1.05		.08			--			
									20			86		7						
09/10/70	5050	2.20	9.5	65.3F	7.3		11	5.5	5.9	1.0	.0	64	3.8	2.9	.0	.00	--	80	50	30E
0940	5050	6800	102	18.5C	7.3	122	.55	.45	.26	.03	.00	1.05	.08	.08	.00		--	62	3	
							43	35	20	2		87	7	7						
A0	2230.02				SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN															
10/07/69	5050	8.56	10.9	59 F	7.6		--	--	6.0	--	.0	69	--	2.8	--	.10	--		51	10E
1000	5050	8190	107	15 C	7.9	133			.26		.00	1.13		.08			--			
									20			85		6						
11/04/69	5050	9.00	11.4	59 F	7.6		--	--	6.6	--	.0	69	--	4.6	--	.10	--		50	15E
1050	5050	8800	112	15 C	7.3	130			.29		.00	1.13		.13			--			
									22			87		10						
12/02/69	5050	9.26	12.8	51 F	7.7		--	--	8.2	--	.0	76	--	4.8	--	.10	--		54	6E
1045	5050	9170	114	11 C	7.6	143			.36		.00	1.25		.14			--			
									25			87		10						
01/06/70	5050	0.44	12.8	46 F	7.5		--	--	7.6	--	.0	66	--	4.0	--	.10	--		54	34E
1040	5050	20100	107	8 C	7.3	143			.33		.00	1.08		.11			--			
									23			76		8						
02/03/70	5050	8.27	12.4	50 F	7.2		--	--	6.3	--	.0	57	--	3.0	--	.10	--		48	200E
1025	5050	27100	109	10 C	7.3	120			.27		.00	.93		.08			--			
									22			77		7						
03/03/70	5050	4.57	12.3	51 F	7.3		--	--	5.9	--	.0	56	--	2.4	--	.10	--		34	140E
0955	5050	25000	110	11 C	7.5	116			.26		.00	.92		.07			--			
									22			79		6						
04/07/70	5050	0.25	10.2	59 F	7.5		--	--	7.8	--	.0	84	--	3.0	--	.00	--		72	55E
1125	5050	9780	100	15 C	7.5	166			.34		.00	1.38		.08			--			
									20			83		5						
05/05/70	5050	9.65	10.2	63 F	7.9		12	7.3	8.9	1.2	.0	71	9.2	5.0	.7	.00	--	95	60	60E
0930	5050	8260	105	17 C	7.9	152	.60	.60	.39	.03	.00	1.16	.19	.14	.01		--	80	2	
							37	37	24	2		77	13	9	1					
06/03/70	5050	6.51	9.0	73 F	7.7		--	--	10	--	.0	78	--	7.0	--	.10	--		64	25E
0945	5050	5810	103	23 C	7.9	174			.44		.00	1.28		.20			--			
									25			74		11						
07/15/70	5050	7.83	9.3	71 F	7.6		--	--	7.0	--	.0	64	--	1.9	--	.10	--		49	20E
0845	5050	7560	105	22 C	7.8	129			.30		.00	1.05		.05			--			
									23			81		4						
08/19/70	5050	7.67	9.5	72 F	7.4		--	--	9.8	--	.0	77	--	5.1	--	.10	--		59	10E
1445	5050	4680	108	22 C	7.9	160			.43		.00	1.26		.14			--			
									27			79		9						
09/10/70	5050	9.93	9.2	73 F	7.4		--	--	11	--	.0	82	--	5.8	--	.20	--		63	10E
1135	5050	7290	106	23 C	8.3	174			.48		.00	1.34		.16			--			
									28			77		9						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
							MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
A0	2500.00				SACRAMENTO RIVER AT BUTTE CITY															
11/05/69	5050	1.61	11.1	52 F	7.6		--	--	6.4	--	.0	67	--	4.4	--	.10	--		50	8E
0835	5050	8500	100	11 C	7.4	128			.28		.00	1.10		.12			--			
									22			86		9						
01/06/70	5050	6.02	12.3	46 F	7.3		--	--	7.0	--	.0	67	--	3.8	--	.00	--		50	30E
1545	5050	19300	103	8 C	7.3	132			.30		.00	1.10		.11			--			
									23			83		8						
03/03/70	5050	6.75	12.1	51 F	7.4		--	--	5.6	--	.0	60	--	2.5	--	.10	--		51	60E
1535	5050	20400	108	11 C	7.4	124			.24		.00	.98		.07			--			
									19			79		6						
05/07/70	5050	2.21	10.8	60 F	7.5		12	5.6	6.6	1.1	.0	68	5.9	2.7	.9	.00	--	83	53	35E
0945	5050	8760	108	16 C	7.8	134	.60	.46	.29	.03	.00	1.12	.12	.08	.01		--	69	3	
							43	33	21	2		84	9	6	1					
07/14/70	5050	2.14	10.1	67 F	7.7		--	--	5.6	--	.0	60	--	2.3	--	.00	--		49	15E
1330	5050	9130	109	19 C	7.6	114			.24		.00	.98		.06			--			
									21			86		5						
08/19/70	5050	1.15	9.8	66 F	7.1		9.8	6.2	5.9	.7	.0	62	4.1	2.9	.1	.00	--	78	50	35E
1020	5050	6940	105	19 C	7.4	120	.49	.51	.26	.02	.00	1.02	.09	.08	.00		--	61	1	
							38	40	20	2		86	8	7						
09/04/70	5050	1.27	9.7	64 F	7.1		--	--	6.1	--	.0	62	--	3.4	--	.10	--		53	6E
0900	5050	7200	101	18 C	8.2	122			.27		.00	1.02		.10			--			
									22			84		8						
A0	2630.00				SACRAMENTO RIVER AT HAMILTON CITY															
11/05/69	5050	9.00	11.6	57 F	7.7		--	--	6.2	--	.0	64	--	--	--	--	--			
1355	5050	9180	111	14 C	7.5	123			.27		.00	1.05					--			
									22			85								
01/07/70	5050	1.34	11.8	47 F	7.3		--	--	6.3	--	.0	63	--	3.4	--	.00	--		49	15E
1420	5050	17500	100	8 C	7.4	125			.27		.00	1.03		.10			--			
									22			82		8						
03/04/70	5050	1.57	12.2	49 F	7.2		--	--	5.6	--	.0	60	--	2.5	--	.10	--		50	50E
1340	5050	17200	106	9 C	7.4	124			.24		.00	.98		.07			--			
									19			79		6						
05/06/70	5050	9.00	11.4	61 F	7.5		12	4.9	6.2	1.1	.0	64	5.3	2.7	.8	.00	--	86	50	40E
1340	5050	8370	115	16 C	8.0	125	.60	.40	.27	.03	.00	1.05	.11	.08	.01		--	65	3	
							46	31	21	2		84	9	6	1					
07/14/70	5050	9.10	10.4	63 F	7.4		--	--	5.0	--	.0	57	--	1.9	--	.10	--		42	7E
1015	5050	8830	107	17 C	7.6	108			.22		.00	.93		.05			--			
									20			86		5						
09/04/70	5050	8.41	10.0	61 F	7.5		8.9	5.8	5.9	.8	.0	61	4.0	2.9	.0	.00	--	78	46	15E
0815	5050	6970	102	16 C	7.7	117	.44	.48	.26	.02	.00	1.00	.08	.08	.00		--	59	4	
							37	40	22	2		86	7	7						
A0	2785.00				SACRAMENTO RIVER AT BEND BRIDGE															
11/13/69	5050	9.43	10.2	54 F	7.3		--	--	6.7	--	.0	64	--	3.8	.3	.00	--		47	5E
0920	5050	7320	96	12 C	7.7	123			.29		.00	1.05		.11	.00		--			
									24			85		9						
01/07/70	5050	2.13	12.0	48 F	7.3		--	--	6.7	--	.0	64	--	2.7	.5	.10	--		46	15E
0830	5050	13900	104	9 C	7.4	121			.29		.00	1.05		.08	.01		--			
									24			87		7	1					
03/05/70	5050	3.41	12.2	47 F	7.1		--	--	5.0	--	.0	50	--	2.7	.7	.10	--		43	170E
0915	5050	17700	104	8 C	7.5	105			.22		.00	.82		.08	.01		--			
									21			78		8	1					
05/07/70	5050	0.52	11.4	53 F	7.1		9.5	5.0	6.0	.9	.0	59	5.9	1.3	.1	.00	--	55	44	8E
0735	5050	10000	106	12 C	7.7	113	.47	.41	.26	.02	.00	.97	.12	.04	.00		--	58	5	
							41	35	22	2		86	11	4						
07/02/70	5050	0.68	12.0	56 F	7.3		--	--	6.0	--	.0	58	--	1.8	.4	.00	--		42	10E
1300	5050	10400	115	13 C	7.7	111			.26		.00	.95		.05	.01		--			
									23			86		5	1					
09/02/70	5050	9.91	12.7	54 F	7.0		9.4	5.0	5.6	1.0	.0	58	3.0	2.6	.1	.00	--	70	44	15E
1440	5050	8520	119	12 C	7.0	109	.47	.41	.24	.03	.00	.95	.06	.07	.00		--	56	4	
							41	36	21	3		88	6	6						
A0	2925.00				SACRAMENTO SLOUGH AT SACRAMENTO RIVER															
10/07/69	5050		10.3	62 F	8.2		--	--	19	--	.0	187	--	12	--	.10	--		135	25E
0915	5050	63	105	17 C	8.2	344			.83		.00	3.07		.34			--			
									24			89		10						
11/04/69	5050		9.9	61 F	7.9		--	--	18	--	.0	158	--	14	--	.10	--		115	17E
1005	5050	312	100	16 C	7.2	296			.78		.00	2.59		.39			--			
									26			87		13						
12/02/69	5050		12.4	46 F	8.0		--	--	23	--	.0	173	--	19	--	.10	--		126	7E
0940	5050	408	104	8 C	7.7	335			1.00		.00	2.84		.54			--			
									30			85		16						
04/07/70	5050		8.9	61 F	7.8		--	--	16	--	.0	150	--	12	--	.00	--		114	160E
1015	5050	547	90	16 C	7.5	283			.70		.00	2.46		.34			--			
									25			87		12						
05/05/70	5050		8.1	67 F	7.8		28	20	32	1.7	.0	179	19	36	1.8	.00	--	229	151	140E
0850	5050	1060	87	19 C	8.1	426	1.40	1.64	1.39	.04	.00	2.94	.40	1.02	.03		--	228	5	
							31	37	31	1		67	9	23	1					

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
	A0	2925.00			SACRAMENTO SLOUGH AT SACRAMENTO RIVER									CONTINUED						
06/03/70	5050		5.2	78 F	7.6		--	--	43	--	.0	224	--	55	--	.20	--		195	40E
0855	5050	435	63	26 C	7.7	574			1.87		.00	3.67		1.55			--			
									33			64		27						
07/15/70	5050		6.7	79 F	7.6		--	--	35	--	.0	219	--	34	--	.10	--		171	55E
1110	5050	600	82	26 C	7.8	470			1.52		.00	3.59		.96			--			
									32			76		20						
08/19/70	5050		6.8	77 F	7.7		--	--	39	--	.0	236	--	40	--	.20	--		184	50E
1500	5050	737	81	25 C	7.9	508			1.70		.00	3.87		1.13			--			
									33			76		22						
09/10/70	5050		6.8	76.1F	7.1		29	22	25	1.9	.0	218	9.0	18	1.4	.10	--	220	161	80E
1215	5050	1060	82	24.5C	7.3	405	1.45	1.81	1.09	.05	.00	3.58	.19	.51	.02		--	215	16	
							33	41	25	1		83	4	12						
	A0	2933.00			RD108 DRAIN TO SACRAMENTO RIVER															
07/15/70	5050		7.3	83 F	7.5		24	24	71	.7	.0	199	83	41	1.8	.20	--	377	159	95E
1340	5050	6.5	93	28 C	7.5	603	1.20	1.97	3.09	.02	.00	3.26	1.73	1.16	.03		--	345	5	
							19	31	49			53	28	19						
08/19/70	5050		6.4	75 F	7.4		--	--	71	--	.0	208	--	41	--	.40	--		175	70E
1640	5050	13	75	24 C	7.8	582			3.09		.00	3.41		1.16			--			
									53			59		20						
09/10/70	5050		5.8	72 F	7.0		25	20	55	2.4	.0	198	54	35	.9	.30	--	304	144	130E
1330	5050	13	67	22 C	7.1	516	1.25	1.64	2.39	.06	.00	3.25	1.12	.99	.01		--	292	18	
							23	31	45	1		61	21	18						
	A0	2947.10			COLUSA BASIN DRAIN NEAR KNIGHTS LANDING															
10/07/69	5050		11.9	62 F	8.4		34	24	70	2.4	.0	233	84	40	3.8	.20	--	363	184	55E
1040	5050	205	122	17 C	7.7	635	1.70	1.97	3.05	.06	.00	3.82	1.75	1.13	.06		--	375	8	
							25	29	45	1		57	26	17	1					
11/04/69	5050		10.6	62 F	8.2		34	29	81	4.0	.0	255	103	42	2.1	.30	--	412	205	45E
1140	5050	293	108	17 C	7.5	725	1.70	2.38	3.52	.10	.00	4.18	2.14	1.18	.03		--	423	5	
							22	31	46	1		56	28	16						
12/02/69	5050		12.9	48 F	8.4		39	39	106	3.4	.0	301	141	61	2.1	.30	--	548	256	35E
1130	5050	171	111	9 C	8.1	923	1.95	3.21	4.61	.09	.00	4.94	2.93	1.72	.03		--	542	11	
							20	33	47	1		51	30	18						
01/06/70	505C		13.1	42 F	8.2		39	37	120	3.5	.0	275	170	64	3.1	.30	--	558	250	70E
1110	5050	.0	104	6 C	7.8	962	1.95	3.04	5.22	.09	.00	4.51	3.54	1.80	.05		--	574	24	
							19	30	51	1		46	36	18	1					
02/03/70	5050		11.2	49 F	8.0		27	17	54	3.0	.0	174	72	21	4.5	.20	--	304	137	160E
1055	5050	.0	99	9 C	7.7	501	1.35	1.40	2.35	.08	.00	2.85	1.50	.59	.07		--	286	5	
							26	27	45	2		57	30	12	1					
03/03/70	5050		10.2	56 F	8.3		55	39	127	2.5	.0	322	192	88	3.4	.40	--	648	297	70E
1050	5050	.0	98	13 C	8.1	1070	2.74	3.21	5.52	.06	.00	5.28	3.99	2.48	.05		--	668	34	
							24	28	48	1		45	34	21						
04/07/70	5050		9.3	61 F	8.2		36	15	76	2.4	11	200	118	51	3.1	.20	--	409	203	140E
1300	5050	415	94	16 C	8.6	724	1.80	1.23	3.31	.06	.37	3.28	2.45	1.44	.05		--	413	31	
							28	19	52	1	5	43	32	19	1					
05/05/70	5050		7.7	70 F	8.1		28	19	64	2.7	.0	169	96	34	2.8	.20	--	328	147	350E
1025	5050	906	87	21 C	8.1	550	1.40	1.56	2.78	.07	.00	2.77	2.00	.96	.05		--	331	10	
							24	27	48	1		48	35	17	1					
06/03/70	5050		5.4	78 F	8.2		29	24	84	1.9	.0	216	115	48	3.0	.40	--	418	173	110E
1015	5050	417	65	26 C	7.7	700	1.45	1.97	3.65	.05	.00	3.54	2.39	1.35	.05		--	413	6	
							20	28	51	1		48	33	18	1					
07/15/70	5050		8.4	81 F	8.1		29	25	65	1.4	.0	225	79	31	2.8	.20	--	350	175	280E
1000	5050	340	104	27 C	8.3	595	1.45	2.06	2.83	.04	.00	3.69	1.64	.87	.05		--	346	9	
							23	32	44	1		59	26	14	1					
08/19/70	5050	4.47	7.3	77 F	7.8		31	21	56	1.2	.0	232	58	29	1.7	.20	--	312	163	210E
1550	5050	1870	89	25 C	8.1	551	1.55	1.73	2.44	.03	.00	3.80	1.21	.82	.03		--	314	26	
							27	30	42	1		65	21	14	1					
09/10/70	5050	4.53	7.5	75 F	7.6		30	18	50	1.8	.0	210	51	28	1.5	.20	--	296	151	250E
1230	5050	1080	90	24 C	7.6	607	1.50	1.48	2.18	.05	.00	3.44	1.06	.79	.02		--	286	23	
							29	28	42	1		65	20	15						
	A0	2950.00			RD787 DRAINAGE TO COLUSA BASIN DRAIN															
07/15/70	5050		6.6	75 F	7.5		20	20	35	1.7	.0	196	35	10	2.4	.40	--	216	134	120E
1035	5050	.0	77	24 C	7.8	386	1.00	1.64	1.52	.04	.00	3.21	.73	.28	.04		--	223	29	
							24	39	36	1		75	17	7	1					
08/19/70	5050		8.7	80 F	7.5		--	--	47	--	.0	234	--	28	--	.80	--		180	40E
1600	5050	18	107	27 C	8.3	525			2.04		.00	3.84		.79			--			
									39			73		15						
09/10/70	5050	9.88	5.8	75 F	7.5		23	19	34	1.7	.0	190	28	16	.7	.40	--	223	134	85E
1300	5050	.0	70	24 C	7.6	397	1.15	1.56	1.48	.04	.00	3.12	.58	.45	.01		--	218	21	
							27	37	35	1		75	14	11						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
	A0	2955.00			RD787	DRAINAGE TO SACRAMENTO RIVER														
07/15/70	5050		7.1	78 F	7.3		29	27	40	.7	.0	220	48	23	1.4	.40	--	292	184	160E
1255	5050	57	86	26 C	7.5	496	1.45	2.22	1.74	.02	.00	3.61	1.00	.65	.02		--	280	3	
							27	41	32			68	19	12						
08/19/70	5050		7.2	76 F	7.4		--	--	42	--	.0	237	--	24	--	.60	--		190	50E
1620	5050	57	85	24 C	8.1	514			1.83		.00	3.89		.68			--			
									36			76		13						
09/10/70	5050	8.90	7.2	72 F	7.0		34	27	39	1.7	.0	250	43	25	.3	.40	--	306	196	100E
1310	5050	.0	83	22 C	7.1	528	1.70	2.22	1.70	.04	.00	4.10	.89	.71	.00		--	295	9	
							30	39	30	1		72	16	12						
	A0	2965.00			RD70	DRAINAGE TO SACRAMENTO RIVER														
07/15/70	5050		6.3	77 F	7.7		31	26	54	1.0	.0	264	30	34	2.3	.10	--	315	184	
0735	5050	12	75	25 C	8.0	548	1.55	2.14	2.35	.03	.00	4.33	.62	.96	.04		--	310	32	
							26	35	39			73	10	16	1					
08/19/70	5050		9.6	81 F	7.9		--	--	44	--	.0	238	--	26	--	.20	--		157	20E
1350	5050	16	119	27 C	8.2	477			1.91		.00	3.90		.73			--			
									40			82		15						
09/03/70	5050		6.2	73 F	7.1		31	25	46	1.4	.0	270	19	30	.8	.20	--	293	182	80E
1045	5050	66	73	23 C	7.3	527	1.55	2.06	2.00	.04	.00	4.43	.40	.85	.01		--	288	41	
							27	36	35	1		78	7	15						
	A0	2967.00			BUTTE SLOUGH AT OUTFALL GATES															
07/14/70	5050		7.6	91 F	7.8		26	20	20	1.0	.0	193	12	9.0	2.3	.00	--	200	147	28E
1600	5050	.0	106	33 C	7.9	344	1.30	1.64	.87	.03	.00	3.17	.25	.25	.04		--	187	12	
							34	43	23	1		85	7	7	1					
08/19/70	5050		7.9	75 F	7.6		--	--	20	--	.0	204	--	5.2	--	.10	--		144	30E
1305	5050	.0	92	24 C	8.2	342			.87		.00	3.35		.15			--			
									25			98		4						
09/10/70	5050	4.15	5.7	73 F	7.3		25	17	18	1.8	.0	184	8.1	6.2	.0	.10	--	181	131	70E
1015	5050	209	67	23 C	7.4	316	1.25	1.40	.78	.05	.00	3.02	.17	.17	.00		--	168	19	
							36	40	22	1		90	5	5						
	A0	2976.00			COLUSA BASIN DRAIN AT HIGHWAY 20															
10/07/69	5050	8.52	11.2	62 F	8.2		38	28	79	2.5	.0	245	107	46	1.9	.20	--	393	209	25E
1445	5050	224	114	17 C	7.8	709	1.90	2.30	3.44	.06	.00	4.02	2.23	1.30	.03		--	425	9	
							25	30	45	1		53	29	17						
11/04/69	5050	8.70	10.2	63 F	8.1		31	25	66	3.6	.0	235	78	29	2.2	.30	--	346	179	55E
1505	5050	264	105	17 C	7.4	618	1.55	2.06	2.87	.09	.00	3.85	1.62	.82	.04		--	353	12	
							24	31	44	1		61	26	13	1					
12/02/69	5050	7.81	15.8	49 F	8.3		44	36	109	3.1	.0	308	149	58	1.4	.30	--	556	258	15E
1505	5050	91	138	9 C	8.1	758	2.20	2.96	4.74	.08	.00	5.05	3.10	1.64	.02		--	555	6	
							22	30	47	1		51	32	17						
01/06/70	5050	8.72	13.8	43 F	8.2		45	40	125	2.7	.0	317	169	66	3.1	.40	--	604	279	45E
1350	5050	272	111	6 C	7.8	1020	2.25	3.29	5.44	.07	.00	5.20	3.52	1.86	.05		--	610	17	
							20	30	49	1		49	33	17						
02/03/70	5050	3.94	10.9	54 F	8.0		38	27	80	2.8	.0	249	102	44	6.3	.20	--	432	207	170E
1445	5050	1290	101	12 C	7.8	715	1.90	2.22	3.48	.07	.00	4.08	2.12	1.24	.10		--	425	2	
							25	29	45	1		54	28	16	1					
03/03/70	5050	9.17	11.5	56 F	8.4		57	41	138	2.5	.0	333	194	88	2.5	.40	--	706	310	50E
1350	5050	357	109	13 C	8.2	1130	2.84	3.37	6.00	.06	.00	5.46	4.04	2.48	.04		--	690	38	
							23	27	49			45	34	21						
04/07/70	5050	9.67	10.3	62 F	8.0		26	18	43	2.1	5.0	156	57	22	3.3	.10	--	249	136	90E
1610	5050	452	105	17 C	8.5	444	1.30	1.48	1.87	.05	.17	2.56	1.19	.62	.05		--	255	3	
							28	31	40	1	4	56	26	14	1					
05/05/70	5050	2.63	9.2	69 F	8.0		23	15	46	2.3	.0	156	68	18	2.4	.10	--	248	118	500E
1425	5050	1030	101	21 C	8.2	432	1.15	1.23	2.00	.06	.00	2.56	1.41	.51	.04		--	253	9	
							26	28	45	1		57	31	11	1					
06/03/70	5050	9.18	6.6	85 F	8.1		27	24	70	1.0	.0	208	103	36	2.0	.40	--	379	168	55E
1445	5050	260	86	29 C	7.8	625	1.35	1.97	3.05	.03	.00	3.41	2.14	1.02	.03		--	367	5	
							21	31	48			52	32	15						
07/14/70	5050	0.51	7.8	83 F	7.7		28	22	53	.8	.0	209	63	21	2.6	.20	--	302	160	100E
1445	5050	526	99	28 C	8.1	513	1.40	1.81	2.31	.02	.00	3.43	1.31	.59	.04		--	295	11	
							25	33	42			64	24	11	1					
08/19/70	5050	1.91	8.0	72 F	7.4		28	20	47	1.0	.0	218	43	18	.1	.20	--	264	154	80E
1240	5050	832	91	22 C	7.6	465	1.40	1.64	2.04	.03	.00	3.58	.89	.51	.00		--	266	27	
							27	32	40	1		72	18	10						
09/10/70	5050	3.47	7.4	70 F	7.4		25	17	39	1.5	.0	194	37	17	.0	.20	--	236	134	270E
0915	5050	1190	84	21 C	7.5	426	1.25	1.40	1.70	.04	.00	3.18	.77	.48	.00		--	234	27	
							28	32	39	1		72	17	11						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TOS SUM	TH NCH	TURB
							MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
A0	3220.01				THOMES CREEK AT RICHFIELD															
01/05/70	5050		14.3	40 F	7.7		--	--	4.8	--	.0	108	--	4.4	--	.10	--		106	7E
1135	5050	100	111	4 C	7.7	224			.21		.00	1.77		.12			--			
									9			79		5						
05/06/70	5050		10.8	61 F	8.0		39	9.6	6.4	.9	.0	145	26	1.8	.1	.00	--	151	137	20E
0920	5050	200	110	16 C	8.2	285	1.95	.79	.28	.02	.00	2.38	.54	.05	.00		--	156	18	
							64	26	9	1		80	18	2						
A0	3460.00				RED BANK CREEK NEAR RED BLUFF															
01/05/70	5050	4.39	12.7	40 F	8.1		--	--	16	--	.0	254	--	20	--	.00	--		258	1E
1405	5050	28	100	4 C	8.0	524			.70		.00	4.17		.56			--			
									13			80		11						
03/06/70	5050	5.12	12.0	50 F	8.2		--	--	12	--	.0	210	--	3.1	--	.10	--		190	50E
1025	5050	167	108	10 C	8.2	396			.52		.00	3.44		.09			--			
									13			87		2						
05/06/70	5050	4.04	11.2	68 F	8.2		53	30	17	.9	6.0	262	49	8.7	.0	.10	--	253	253	1E
1205	5050	3.0	124	20 C	8.4	510	2.64	2.47	.74	.02	.20	4.30	1.02	.25	.00		--	296	31	
							45	42	13		3	75	18	4						
A0	3520.50				COTTONWOOD CREEK AT COTTONWOOD															
10/01/69	5050		8.5	63 F	7.1		--	--	6.1	--	.0	104	--	4.6	--	.10	--		82	1E
0800	5050	106	90	17 C	8.1	197			.27		.00	1.71		.13			--			
									14			87		7						
11/13/69	5050		10.9	57 F	8.4		--	--	12	--	.0	142	--	22	--	.10	--		132	3E
1020	5050	81	106	14 C	7.6	303			.52		.00	2.33		.62			--			
									17			77		20						
12/01/69	5050		13.2	47 F	7.7		--	--	12	--	.0	136	--	18	--	.10	--		126	1E
1135	5050	83	113	8 C	7.8	296			.52		.00	2.23		.51			--			
									18			75		17						
01/07/70	5050		13.3	39 F	7.5		--	--	9.6	--	.0	129	--	12	--	.00	--		117	4E
1005	5050	448	102	4 C	7.7	268			.42		.00	2.12		.34			--			
									16			79		13						
02/05/70	5050		11.8	51 F	7.6		--	--	7.6	--	.0	124	--	4.3	--	.00	--		106	85E
1500	5050	2200	107	11 C	7.6	229			.33		.00	2.03		.12			--			
									14			89		5						
03/05/70	5050		12.8	43 F	7.4		--	--	8.7	--	.0	96	--	4.1	--	.10	--		86	160E
1135	5050	3380	104	6 C	7.7	203			.38		.00	1.57		.12			--			
									19			77		6						
04/03/70	5050		12.5	55 F	7.9		--	--	9.2	--	1.0	141	--	5.3	--	.00	--		131	8E
1015	5050	870	120	13 C	8.4	289			.40		.03	2.31		.15			--			
									14		1	80		5						
05/07/70	5050		10.6	63 F	7.6		26	12	10	1.0	.0	133	18	6.1	.2	.00	--	132	115	2E
0915	5050	415	110	17 C	8.1	260	1.30	.99	.44	.03	.00	2.18	.37	.17	.00		--	140	6	
							47	36	16	1		80	14	6						
06/05/70	5050		8.8	72 F	7.3		--	--	8.8	--	.0	135	--	9.0	--	.10	--		114	2E
0745	5050	250	101	22 C	8.0	257			.38		.00	2.21		.25			--			
									15			86		10						
07/03/70	5050		7.9	74 F	7.3		--	--	8.7	--	.0	123	--	7.0	--	.00	--		101	1E
0830	5050	155	92	23 C	8.0	238			.38		.00	2.02		.20			--			
									16			85		8						
08/07/70	5050		10.0	79 F	7.1		--	--	7.8	--	.0	120	--	3.9	--	.10	--		97	2E
1300	5050	50	123	26 C	8.1	210			.34		.00	1.97		.11			--			
									16			94		5						
09/02/70	5050		9.8	77 F	7.0		--	--	7.1	--	.0	106	--	4.1	--	.10	--		83	9E
1410	5050	187	118	25 C	8.0	187			.31		.00	1.74		.12			--			
									17			93		6						
A0	3540.00				COTTONWOOD CREEK BELOW NORTH FORK COTTONWOOD CREEK															
11/13/69	5050		10.8	56 F	7.8		--	--	10	--	.0	159	--	16	--	.10	--		141	2E
1100	5050	43	105	13 C	7.7	314			.44		.00	2.61		.45			--			
									14			83		14						
01/07/70	5050		13.7	39 F	7.7		--	--	7.1	--	.0	121	--	7.1	--	.00	--		109	4E
1135	5050	186	106	4 C	7.8	239			.31		.00	1.98		.20			--			
									13			83		8						
03/05/70	5050		13.3	44 F	7.6		--	--	7.8	--	.0	104	--	2.8	--	.10	--		91	90E
1025	5050	1320	111	7 C	7.8	207			.34		.00	1.71		.08			--			
									16			83		4						
05/07/70	5050		10.7	63 F	7.9		24	12	7.6	.9	.0	133	13	3.4	.0	.00	--	130	111	1E
1040	5050	179	113	17 C	8.1	240	1.20	.99	.33	.02	.00	2.18	.27	.10	.00		--	127	1	
							47	39	13	1		85	11	4						
07/03/70	5050		7.8	78 F	7.7		--	--	8.7	--	.0	148	--	7.0	--	.00	--		123	1E
0900	5050	49	96	26 C	8.2	272			.38		.00	2.43		.20			--			
									14			89		7						
09/03/70	5050		6.0	70 F	7.1		--	--	10	--	.0	188	--	15	--	.10	--		165	2E
0745	5050	20	68	21 C	8.3	345			.44		.00	3.08		.42			--			
									13			89		12						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
	A0	3595.00			COTTONWOOD CREEK SOUTH FORK NEAR COTTONWOOD															
11/13/69	5050	2.69	11.7	60 F	8.2		--	--	20	--	.0	142	--	48	--	.20	--		157	2E
1200	5050	14	118	16 C	8.0	406			.87		.00	2.33		1.35			--			
									21			57		33						
01/07/70	5050	3.02	13.9	38 F	7.6		--	--	13	--	.0	123	--	16	--	.00	--		116	5E
0920	5050	87	105	3 C	7.8	275			.57		.00	2.02		.45			--			
									21			73		16						
03/05/70	5050	3.57	12.8	50 F	8.0		--	--	11	--	.0	131	--	7.6	--	.10	--		129	105E
1210	5050	605	114	10 C	7.9	296			.48		.00	2.15		.21			--			
									16			73		7						
05/07/70	5050	1.83	10.8	60 F	8.0		37	10	14	1.0	.0	152	25	12	.0	.00	--	161	135	1E
0840	5050	84	109	16 C	8.3	313	1.85	.82	.61	.03	.00	2.49	.52	.34	.00		--	175	9	
							56	25	18	1		74	16	10						
07/03/70	5050	0.93	9.6	77 F	8.2		--	--	14	--	.0	141	--	18	--	.10	--		129	1E
1000	5050	21	116	25 C	8.2	316			.61		.00	2.31		.51			--			
									19			73		16						
	A0	4520.50			ANTELOPE CREEK NEAR MOUTH NEAR RED BLUFF															
01/05/70	5050		14.1	35 F	7.1		--	--	6.4	--	.0	70	--	5.9	--	.10	--		52	3E
1015	5050	105	102	2 C	7.2	130			.28		.00	1.15		.17			--			
									22			88		13						
05/06/70	5050		8.9	62 F	7.1		14	8.3	10	1.8	.0	91	5.8	7.1	1.4	.20	--	129	69	25E
0820	5050	87	92	17 C	8.3	182	.70	.68	.44	.05	.00	1.49	.12	.20	.02		--	94	6	
							37	36	24	3		81	7	11	1					
	A0	5103.00			FEATHER RIVER AT NICOLAUS															
10/02/69	5050	3.27	9.1	64.9F	7.5	85	8.3	4.0	2.7	--	.0	45	2.5	2.4	--	.00	.1	64	37	
1215	5050	3760	97	18.3C	7.5	84	.41	.33	.12		.00	.74	.05	.07			--	42	0	
							49	39	14			88	6	8						
10/21/69	5050	3.15	10.0	56 F	7.3	86	--	--	--	--	--	--	--	--	--	--	--			9E
0830	5050	3470	95	13 C		84											--			
11/05/69	5050	3.14	10.3	57.8F	7.3	96	8.5	3.6	3.4	--	.0	49	2.6	.0	.1	.00	.0	62	36	
1055	5050	3520	101	14.3C	7.7	91	.42	.30	.15		.00	.80	.05	.00	.00		--	43	4	
							46	33	16			94	6							
11/18/69	5050	3.32	10.8	52 F	7.2	86	--	--	--	--	--	--	--	--	--	--	--			8E
0945	5050	3940	98	11 C		90											--			
12/03/69	5050	3.28	12.1	49.5F	7.3	96	8.5	3.6	3.6	--	.0	51	2.0	1.3	--	.00	.0	67	36	
1120	5050	4060	107	9.7C	7.6	90	.42	.30	.16		.00	.84	.04	.04			--	45	6	
							47	33	18			93	4	4						
12/16/69	5050		11.5	50 F	7.3	80	--	--	--	--	--	--	--	--	--	--	--			8E
1030	5050	7030	102	10 C		88											--			
01/07/70	5050		11.3	44.7F	7.3	102	8.6	4.0	3.3	--	.0	51	.0	1.6	--	.00	.1	74	38	
1225	5050	6510	93	7.0C	7.7	94	.43	.33	.14		.00	.84	.00	.05			--	43	4	
							46	35	15			89		5						
01/20/70	5050	4.22	10.8	52 F	7.0	76	--	--	--	--	--	--	--	--	--	--	--			50E
1125	5050		98	11 C		78											--			
01/20/70	5050	4.22	10.8	52 F	7.0	76	--	--	--	--	--	--	--	--	--	--	--			50E
1135	5050		98	11 C		78											--			
02/04/70	5050		11.2	49 F	7.2	75	6.9	2.4	2.5	--	.0	36	3.8	1.3	--	.00	.1	57	27	
1040	5050	26300	97	9 C	7.7	70	.34	.20	.11		.00	.59	.08	.04			--	35	3	
							49	29	16			84	11	6						
02/17/70	5050		11.1	49 F	7.1	73	--	--	--	--	--	--	--	--	--	--	--			50E
1120	5050	24400	96	9 C		69											--			
03/04/70	5050		11.4	49.0F	7.3	74	6.7	2.8	2.9	--	.0	34	4.6	1.4	--	.00	.0	56	28	50E
1220	5050		100	9.4C	7.6	69	.33	.23	.13		.00	.56	.10	.04			--	35	0	
							48	33	19			81	14	6						
03/17/70	5050		12.4	53 F	7.4	70	--	--	--	--	--	--	--	--	--	--	--			55E
1030	5050	15900	113	12 C		78											--			
04/08/70	5050	3.42	10.0	64 F	7.3	95	8.3	4.0	3.5	--	.0	47	3.0	2.0	--	.00	.0	65	37	
1210	5050	3880	104	18 C	7.6	91	.41	.33	.15		.00	.77	.06	.06			--	44	2	
							45	36	16			85	7	7						
04/21/70	5050	2.31	10.1	58 F	7.3	105	--	--	--	--	--	--	--	--	--	--	--			20E
1015	5050	2460	99	14 C		103											--			
05/06/70	5050	3.74	10.1	58.6F	7.3	88	8.2	3.4	3.2	--	.0	38	.0	1.8	.3	.00	.0	50	34	
1125	5050	4760	100	14.8C	7.6	83	.41	.28	.14		.00	.62	.00	.05	.00		--	36	4	
							49	34	17			93		7						
05/19/70	5050	2.94	9.3	65 F	7.4	75	--	--	--	--	--	--	--	--	--	--	--			10E
1340	5050	3840	99	18 C		91											--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
							MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER			
A0	5103.00				FEATHER RIVER AT NICOLAUS									CONTINUED						
06/03/70	5050	1.90	8.1	76.5F	7.4	102	9.3	4.5	4.7	--	.0	54	3.0	1.1	--	.00	.1	67	41	
1030	5050	1890	99	24.7C	7.5	101	.46	.37	.20		.00	.89	.06	.03			--	50	3	
							46	37	20			88	6	3						
06/16/70	5050		8.9	68 F	7.3	86	--	--	--	--	--	--	--	--	--	--	--			25E
0845	5050	2700	99	20 C		90											--			
07/07/70	5050	1.71	8.1	78 F	7.3	96	9.2	4.1	3.4	--	.0	50	3.1	2.1	--	.10	.1	85	40	
1015	5050	2060	99	26 C	7.7	94	.46	.34	.15		.00	.82	.06	.06			--	47	1	
							49	36	16			87	6	6						
07/21/70	5050	2.26	8.3	76 F	7.4	89	--	--	--	--	--	--	--	--	--	--	--			10E
0940	5050	1620	100	24 C		92											--			
08/05/70	5050	3.52	8.6	72 F	7.3	89	8.1	3.6	3.2	--	.0	46	6.7	.6	--	.10	.0	61	35	
0830	5050	4720	99	22 C	7.6	84	.40	.30	.14		.00	.75	.14	.02			--	45	3	
							48	36	17			89	17	2						
08/06/70			10.1	58.6F	7.3	88	--	--	--	--	--	--	--	--	--	--	--			
1125	5050		100	14.8C													--			
08/18/70	5050	4.02	8.5	74 F	7.5	85	--	--	--	--	--	--	--	--	--	--	--			8E
1150	5050	5580	100	23 C		89											--			
09/02/70	5050	4.64	8.9	70.4F	7.3	89	8.8	3.6	3.2	--	.0	48	2.1	1.7	--	.00	.0	49	37	
0840	5050	6520	101	21.3C	7.6	88	.44	.30	.14		.00	.79	.04	.05			--	43	3	
							50	34	16			90	5	6						
09/15/70	5050		9.7	64 F	7.3	82	--	--	--	--	--	--	--	--	--	--	--			9E
0740	5050	7630	101	18 C		83											--			
A0	5111.01				FEATHER RIVER BELOW STAR BEND															
02/25/70	5403		11.4	50 F	7.1	74	--	--	--	--	--	--	--	--	--	--	--			35E
1545	5050		101	10 C		66											--			
03/10/70	5403			65 F			--	--	--	--	--	--	--	--	--	--	--			40E
0925	5050			18 C		68											--			
03/24/70	5403			55 F	7.3		--	--	--	--	--	--	--	--	--	--	--			13E
0935	5050			13 C		83											--			
04/14/70	5403			56 F	7.2		--	--	--	--	--	--	--	--	--	--	--			25E
0935	5050			13 C		94											--			
04/26/70	5403			62 F	7.3		--	--	--	--	--	--	--	--	--	--	--			13E
0910	5050			17 C		100											--			
05/12/70	5403			56 F	7.3		--	--	--	--	--	--	--	--	--	--	--			10E
0920	5050			13 C		80											--			
05/26/70	5403			66 F	7.2		--	--	--	--	--	--	--	--	--	--	--			10E
0905	5050			19 C		88											--			
06/09/70	5403			62 F	7.0		--	--	--	--	--	--	--	--	--	--	--			7E
0933	5050			17 C		89											--			
06/23/70	5403			72 F	7.4		--	--	--	--	--	--	--	--	--	--	--			10E
	5050			22 C		89											--			
07/14/70	5403			76 F	7.2		--	--	--	--	--	--	--	--	--	--	--			25E
0907	5050			24 C		94											--			
07/28/70	5403			72 F	7.4		--	--	--	--	--	--	--	--	--	--	--			7E
0856	5050			22 C		86											--			
08/11/70	5403			73 F			--	--	--	--	--	--	--	--	--	--	--			8E
0849	5050			23 C	7.2	86											--			
08/25/70	5403			68 F	7.8		--	--	--	--	--	--	--	--	--	--	--			5E
0905	5050			20 C		85											--			
09/15/70	5403			64 F	7.0		--	--	--	--	--	--	--	--	--	--	--			6E
0850	5050			18 C		84											--			
09/29/70	5403			62 F	7.4		--	--	--	--	--	--	--	--	--	--	--			10E
0915	5050			17 C		83											--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
	A0	5120.00		FEATHER RIVER BELOW SHANGHAI BEND																
03/03/70	5050	4.16	12.4	52 F	6.9	64	--	--	--	--	--	--	--	--	--	--	--			30E
1310	5050		113	11 C		67											--			
03/10/70	5050		11.7	48 F	7.6		--	--	--	--	--	--	--	--	--	--	--			40E
0930	5050		99	9 C		68											--			
03/17/70	5050	0.95	12.7	51 F	7.2	65	--	--	--	--	--	--	--	--	--	--	--			40E
0845	5050		113	11 C		73											--			
04/07/70	5050	5.30	10.4	58 F	7.3	87	--	--	--	--	--	--	--	--	--	--	--			10E
1055	5050		102	14 C		90											--			
04/14/70	5050			53 F	7.5		--	--	--	--	--	--	--	--	--	--	--			20E
1025	5050			12 C		91											--			
04/21/70	5050	4.22	10.1	59 F	7.1	97	--	--	--	--	--	--	--	--	--	--	--			20E
1200	5050		101	15 C		98											--			
05/05/70	5050	6.02	10.5	55.6F	7.3	85	--	--	--	--	--	--	--	--	--	--	--			10E
1045	5050		100	13.1C													--			
05/19/70	5050	5.03	9.7	61 F	7.3	74	--	--	--	--	--	--	--	--	--	--	--			10E
1230	5050		99	16 C		85											--			
06/03/70	5050		8.0	76 F	7.3	102	--	--	--	--	--	--	--	--	--	--	--			10E
0950	5050		96	24 C		100											--			
06/16/70	5050	4.22	8.6	69 F	6.2	87	--	--	--	--	--	--	--	--	--	--	--			7E
0930	5050		95	21 C		88											--			
07/07/70	5050	3.50	7.9	77.8F	7.3	96	--	--	--	--	--	--	--	--	--	--	--			12E
0900	5050		98	25.4C		91											--			
07/21/70	5050		8.3	73 F	7.5	82	--	--	--	--	--	--	--	--	--	--	--			8E
0900	5050		96	23 C		86											--			
08/04/70	5050		8.5	74 F	7.3	90	--	--	--	--	--	--	--	--	--	--	--			35E
1420	5050		100	23 C		85											--			
08/18/70	5050	6.15	8.5	72 F	7.5	85	--	--	--	--	--	--	--	--	--	--	--			8E
1100	5050		98	22 C		87											--			
09/01/70	5050		8.8	72.2F	7.3	89	--	--	--	--	--	--	--	--	--	--	--			10E
1405	5050		102	22.3C		88											--			
09/15/70	5050	7.44	9.7	64 F	7.2	82	--	--	--	--	--	--	--	--	--	--	--			8E
0815	5050		101	18 C		83											--			
	A0	5125.00		FEATHER RIVER AT SHANGHAI BEND																
03/24/70	5402		12.0	54.5F	7.5		--	--	--	--	--	--	--	--	--	--	--			28E
1000	5050		113	12.5C		94											--			
04/28/70	5402		12.0	56 F	7.6		--	--	--	--	--	--	--	--	--	--	--			20E
0940	5050		114	13 C		98											--			
05/12/70	5402			53 F	7.7		--	--	--	--	--	--	--	--	--	--	--			10E
0830	5050			12 C		82											--			
05/26/70	5402			62.5F	7.4		--	--	--	--	--	--	--	--	--	--	--			15E
0855	5050			16.9C		86											--			
06/09/70	5402		11.0	62 F	7.4		--	--	--	--	--	--	--	--	--	--	--			15E
0900	5050		112	17 C		89											--			
06/23/70	5402		9.0	70.5F	7.4		--	--	--	--	--	--	--	--	--	--	--			20E
0915	5050		103	21.4C		86											--			
07/14/70	5402			75 F	7.7		--	--	--	--	--	--	--	--	--	--	--			50E
0840	5050			24 C		91											--			
08/11/70	5402		9.0	71.5F			--	--	--	--	--	--	--	--	--	--	--			10E
0850	5050		104.	21.9C	7.5	87											--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD PH	LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F / SIO2	TDS SUM	TH NCH	TURB
	A0	5125.00		FEATHER RIVER AT SHANGHAI BEND										CONTINUED						
08/25/70	5402			69.0F	7.6		--	--	--	--	--	--	--	--	--	--	--			15E
0735	5050			20.5C		89											--			
09/15/70	5402		10.0	62.5F	7.8		--	--	--	--	--	--	--	--	--	--	--			7E
0900	5050		104	16.9C		86											--			
09/29/70	5402		10.0	62 F			--	--	--	--	--	--	--	--	--	--	--			10E
0920	5050		102	17 C		82											--			
	A0	5134.01		FEATHER RIVER ABOVE YUBA RIVER AT YUBA CITY																
02/25/70	5212		10.1	50 F	7.2	73	--	--	--	--	--	--	--	--	--	--	--			40E
1030	5050		90	10 C		66											--			
03/10/70	5212		11.6	50 F	7.7		--	--	--	--	--	--	--	--	--	--	--			40E
0950	5050		103	10 C		68											--			
03/24/70	5212	2.22	9.7	59 F	7.5		--	--	--	--	--	--	--	--	--	--	--			40E
1210	5050		97	15 C		108											--			
04/14/70	5212	0.81	10.2	56.5F	7.6		--	--	--	--	--	--	--	--	--	--	--			20E
0930	5050		99	13.6C		90											--			
04/28/70	5212	0.48	9.8	59.0F	7.7		--	--	--	--	--	--	--	--	--	--	--			30E
1315	5050		98	15.0C		97											--			
05/12/70	5212	0.97	9.6	60.8F	7.6		--	--	--	--	--	--	--	--	--	--	--			20E
1300	5050		98	16.0C		98											--			
05/26/70	5212	9.99		71.2F	7.7		--	--	--	--	--	--	--	--	--	--	--			20E
1330	5050			21.8C		94											--			
06/23/70	5212	9.79	7.9	77.5F	7.5		--	--	--	--	--	--	--	--	--	--	--			20E
1315	5050		97	25.3C		90											--			
07/28/70	5212		8.2	72.0F	7.8		--	--	--	--	--	--	--	--	--	--	--			20E
1105	5050		95	22.2C		89											--			
08/11/70	5212		7.8	75.7F			--	--	--	--	--	--	--	--	--	--	--			10E
	5050		94	24.3C	7.6	87											--			
08/25/70	5212	1.88	8.6	69.6F	7.8		--	--	--	--	--	--	--	--	--	--	--			9E
1155	5050		97	20.9C		89											--			
09/29/70	5212		9.5	61.9F	7.8		--	--	--	--	--	--	--	--	--	--	--			8E
1205	5050		98	16.6C		81											--			
	A0	5136.01		FEATHER RIVER AT YUBA CITY DIVERSION																
03/04/70	5050		12.0	48.5F	7.1	71	7.0	2.1	2.5	--	.0	36	4.8	1.0	--	.00	.1	64	26	40E
1100	5050		105	9.2C	7.8	67	.35	.17	.11		.00	.59	.10	.03			--	35	4	
							52	25	16			88	15	4						
03/10/70	5050		14.1	50.4F	7.9		--	--	--	--	--	--	--	--	--	--	--			35E
1005	5050		126	10.2C		68											--			
03/24/70	5212		13.1	59.5F	7.7		--	--	--	--	--	--	--	--	--	--	--			44E
1230	5050		132	15.3C		105											--			
04/14/70	5212	8.75		56.8F	7.7		--	--	--	--	--	--	--	--	--	--	--			30E
0955	5050			13.8C		90											--			
04/28/70	5050	7.50	12.8	59.0F	7.8		--	--	--	--	--	--	--	--	--	--	--			25E
1145	5050		128	15.0C		94											--			
05/12/70	5050	8.00	12.6	63.5F	7.8		--	--	--	--	--	--	--	--	--	--	--			15E
1330	5050		133	17.5C		95											--			
05/26/70	5050	7.50	11.9	71.6F	7.8		--	--	--	--	--	--	--	--	--	--	--			15E
1345	5050		138	22.0C		92											--			
06/23/70	5050	7.50	8.1	77 F	7.7		--	--	--	--	--	--	--	--	--	--	--			15E
1250	5050		99	25 C		88											--			
07/28/70	5050	7.75	8.4	72 F	7.9		--	--	--	--	--	--	--	--	--	--	--			15E
1125	5050		97	22 C		86											--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	DO SAT	TEMP	FIELD PH	LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	MILLIGRAMS PER LITER F SIO2	TDS SUM	TH NCH	TURB
	A0	5136.01		FEATHER RIVER AT YUBA CITY DIVERSION										CONTINUED						
08/11/70	5050		8.0	75.7F			--	--	--	--	--	--	--	--	--	--	--			10E
	5050		97	24.3C	7.7	88											--			
08/25/70	5050	0.00	8.6	69.4F	7.8		--	--	--	--	--	--	--	--	--	--	--			6E
1230	5050		97	20.8C		88											--			
09/29/70	5050	9.75	9.7	61.5F	7.8		--	--	--	--	--	--	--	--	--	--	--			12E
1145	5050		100	16.4C		80											--			
	A0	5165.00		FEATHER RIVER NEAR GRIDLEY																
10/02/69	5050		9.6	60.8F	7.4	74	8.0	3.4	2.5	--	.0	38	1.5	2.8	--	.00	.1	63	34	
1010	5050		98	16.0C	7.5	74	.40	.28	.11		.00	.62	.03	.08			--	37	3	
							54	38	15			84	4	11						
11/05/69	5050		10.4	56.8F	7.3	85	8.3	3.5	3.6	--	.0	47	2.0	1.1	.2	.00	.0	58	35	
0845	5050		101	13.8C	8.0	82	.41	.29	.16		.00	.77	.04	.03	.00		--	42	4	
							50	35	20			92	5	4						
12/03/69	5050		11.6	50.0F	7.3	95	6.8	4.6	3.0	--	.0	49	1.5	1.8	--	.00	.0	68	36	
0925	5050		103	10.0C	7.6	87	.34	.38	.13		.00	.80	.03	.05			--	42	4	
							39	44	15			92	3	6						
01/07/70	5050		11.9	46.2F	7.3	97	9.1	3.5	3.2	--	.0	49	.6	1.0	--	.00	.0	66	37	
1005	5050		100	7.9C	7.9	89	.45	.29	.14		.00	.80	.01	.03			--	42	3	
							51	33	16			90	1	3						
02/04/70	5050		11.7	47.5F	7.2	75	6.9	2.2	2.5	--	.0	38	2.3	1.0	--	2.70	.0	56	26	
0910	5050		101	8.6C	7.8	69	.34	.18	.11		.00	.62	.05	.03			--	37	5	
							49	26	16			90	7	4						
02/26/70	5050	8.80	11.8	50 F	7.1	74	--	--	--	--	--	--	--	--	--	--	--			25E
0950	5050		105	10 C		66											--			
03/04/70	5050		12.4	48.5F	7.2	71	6.6	2.3	2.5	--	.0	35	6.6	1.2	--	.00	.0	65	26	25E
0930	5050		108	9.2C	7.9	65	.33	.19	.11		.00	.57	.14	.03			--	37	3	
							51	29	17			88	22	5						
03/17/70	5050		13.2	50 F	7.2	57	--	--	--	--	--	--	--	--	--	--	--			35E
0745	5050		117	10 C		67											--			
04/08/70	5050		10.4	57 F	7.3	112	7.4	2.8	2.9	--	.0	43	.0	1.0	--	.00	.0	58	30	
0955	5050		99	14 C	7.5	74	.37	.23	.13		.00	.71	.00	.03			--	36	6	
							50	31	18			96		4						
04/21/70	5050	6.04	10.6	56 F	7.1	77	--	--	--	--	--	--	--	--	--	--	--			15E
1320	5050		101	13 C		80											--			
05/06/70	5050		9.9	69.4F	7.3	84	7.3	3.4	3.2	--	.0	43	.0	1.0	--	.00	.0	41	32	
0935	5050		112	20.8C	7.5	78	.36	.28	.14		.00	.71	.00	.03			--	36	4	
							46	36	18			91		4						
05/19/70	5050		9.2	64 F	7.3	75	--	--	--	--	--	--	--	--	--	--	--			9E
1130	5050		96	18 C		82											--			
06/03/70	5050		8.0	70.3F	7.3	84	7.5	3.6	3.6	--	.0	46	1.2	.5	--	.00	.1	58	33	
0750	5050		91	21.3C	7.5	80	.37	.30	.16		.00	.75	.02	.01			--	39	4	
							46	38	20			94	3	1						
06/16/70	5050	5.82	8.8	70 F	6.2	78	--	--	--	--	--	--	--	--	--	--	--			6E
1130	5050		100	21 C		91											--			
07/08/70	5050		8.0	72.4F	7.3	87	8.1	3.6	3.0	--	.0	46	1.6	1.1	--	.10	.0	74	35	
0630	5050		93	22.4C	7.7	82	.40	.30	.13		.00	.75	.03	.03			--	41	3	
							49	37	16			91	4	4						
07/21/70	5050		8.4	71 F	7.5	74	--	--	--	--	--	--	--	--	--	--	--			4E
0720	5050		95	22 C		81											--			
08/05/70	5050		8.7	68.7F	7.3	91	8.5	3.4	3.4	--	.0	47	6.1	1.1	--	.10	--	62	35	
0640	5050		97	20.4C	7.5	85	.42	.28	.15		.00	.77	.13	.03			--	46	4	
							49	33	18			91	15	4						
08/18/70	5050	6.93	8.9	70 F	7.5	85	--	--	--	--	--	--	--	--	--	--	--			4E
0950	5050		101	21 C		86											--			
09/02/70	5050		9.1	66.5F	7.3	90	8.6	3.8	3.4	--	.0	42	1.8	1.3	--	.00	.0	49	37	
0815	5050		99	19.1C	7.8	87	.43	.31	.15		.00	.69	.04	.04			--	40	3	
							49	36	17			79	5	5						
09/15/70	5050	6.90	10.2	62 F	7.3	80	--	--	--	--	--	--	--	--	--	--	--			4E
0950	5050		104	17 C		81											--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
A0 5660.00					JACK SLOUGH AT MARYSVILLE															
02/26/70	5401		7.7	56 F	7.1	320	--	--	--	--	--	--	--	--	--	--	--			35E
1056	5050		74	13 C		296											--			
03/10/70	5401			54 F			--	--	--	--	--	--	--	--	--	--	--			90E
1128	5050			12 C		110											--			
03/24/70	5401			61 F			--	--	--	--	--	--	--	--	--	--	--			10E
0844	5050			16 C		351											--			
04/14/70	5401			54 F	7.1		--	--	--	--	--	--	--	--	--	--	--			35E
0841	5050			12 C		92											--			
04/28/70	5401			56 F			--	--	--	--	--	--	--	--	--	--	--			25E
1011	5050			13 C		102											--			
05/12/70	5401			56 F	6.7		--	--	--	--	--	--	--	--	--	--	--			30E
1025	5050	100		13 C		99											--			
05/26/70	5401			65 F	7.8		--	--	--	--	--	--	--	--	--	--	--			40E
0848	5050	105		18 C		102											--			
06/09/70	5401			61 F	7.0		--	--	--	--	--	--	--	--	--	--	--			25E
0947	5050	100		16 C		98											--			
06/23/70	5401			70 F	6.9		--	--	--	--	--	--	--	--	--	--	--			20E
0844	5050	100		21 C		106											--			
07/14/70	5401			73 F	6.7		--	--	--	--	--	--	--	--	--	--	--			25E
0735	5050	100		23 C		104											--			
07/28/70	5401			71 F	6.9		--	--	--	--	--	--	--	--	--	--	--			15E
0926	5050	95		22 C		102											--			
08/11/70	5401			73 F		109	--	--	--	--	--	--	--	--	--	--	--			20E
0904	5050			23 C													--			
08/25/70	5401			67 F	7.2		--	--	--	--	--	--	--	--	--	--	--			15E
0915	5050	95		19 C		104											--			
09/29/70	5401			70 F	7.2		--	--	--	--	--	--	--	--	--	--	--			20E
1015	5050			21 C		102											--			
A0 5710.01					NORTH HONCUT CREEK AT HIGHWAY 70															
02/26/70	5401		10.2	55 F	7.3	85	--	--	--	--	--	--	--	--	--	--	--			30E
1105	5050		95	13 C		164											--			
03/10/70	5401			53 F			--	--	--	--	--	--	--	--	--	--	--			40E
1057	5050			12 C		114											--			
03/24/70	5401			60 F			--	--	--	--	--	--	--	--	--	--	--			6E
0814	5050			16 C		179											--			
04/14/70	5401			54 F	7.6		--	--	--	--	--	--	--	--	--	--	--			35E
0825	5050			12 C		201											--			
04/28/70	5401			54 F	7.6		--	--	--	--	--	--	--	--	--	--	--			15E
0930	5050			12 C		162											--			
05/12/70	5401			59 F	7.6		--	--	--	--	--	--	--	--	--	--	--			25E
0954	5050	55		15 C		202											--			
05/26/70	5401			62 F	7.8		--	--	--	--	--	--	--	--	--	--	--			30E
0821	5050	45		17 C		421											--			
06/09/70	5401			64 F	7.1		--	--	--	--	--	--	--	--	--	--	--			25E
0910	5050	45		18 C		105											--			
06/23/70	5401			72 F	7.4		--	--	--	--	--	--	--	--	--	--	--			25E
0814	5050	30		22 C		286											--			
07/14/70	5401			71 F	7.3		--	--	--	--	--	--	--	--	--	--	--			110E
0718	5050	30		22 C		149											--			
07/28/70	5401			69 F	7.7		--	--	--	--	--	--	--	--	--	--	--			45E
0849	5050	10		21 C		367											--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
	A0	5710.01			NORTH HONCUT CREEK AT HIGHWAY 70									CONTINUED						
08/11/70	5401			71 F			--	--	--	--	--	--	--	--	--	--	--			25E
0834	5050			22 C	7.7	656											--			
08/25/70	5401			67 F	7.7		--	--	--	--	--	--	--	--	--	--	--			95
0842	5050			19 C		419											--			
	A0	6120.00			YUBA RIVER AT MARYSVILLE															
12/11/69	5050		11.8	51 F	7.3	110	--	--	--	--	--	--	--	--	--	--	--			
1130			105	11 C													--			
01/15/70	5050		12.5	48 F	7.3	62	--	--	--	--	--	--	--	--	--	--	--			
0939			106	9 C													--			
02/04/70	5050		13.2	48.5F	7.2	60	--	--	--	--	--	--	--	--	--	--	--			
1010			115	9.2C													--			
02/25/70	5213		11.8	49 F	7.1	75	--	--	--	--	--	--	--	--	--	--	--			25E
1130	5050		102	9 C		66											--			
03/10/70	5213		12.0	47 F	7.8		--	--	--	--	--	--	--	--	--	--	--			40E
0850	5050		101	8 C		65											--			
03/10/70	5050		12.4	49 F	7.3	65	--	--	--	--	--	--	--	--	--	--	--			
1320			108	9 C													--			
03/24/70	5213	9.00	13.0	49.5F	7.6		--	--	--	--	--	--	--	--	--	--	--			6E
0905	5050		115	9.7C		65											--			
04/14/70	5213		13.0	52 F			--	--	--	--	--	--	--	--	--	--	--			4E
0905	5050		118	11 C		93											--			
04/28/70	5213		12.0	51 F			--	--	--	--	--	--	--	--	--	--	--			5E
0825	5050		107	11 C		101											--			
05/12/70	5213		12.0	49 F	7.8		--	--	--	--	--	--	--	--	--	--	--			10E
1020	5050		104	9 C		66											--			
05/19/70	5050		10.8	52.5F	7.3	68	--	--	--	--	--	--	--	--	--	--	--			
0950			99	11.4C													--			
05/26/70	5213			54 F	7.6		--	--	--	--	--	--	--	--	-	--	--			5E
1030	5050			12 C		71											--			
06/05/70	5050		10.5	57.7F	7.3	65	--	--	--	--	--	--	--	--	--	--	--			
1200			103	14.3C													--			
06/09/70	5213		10.0	57 F	7.4		--	--	--	--	--	--	--	--	--	--	--			2E
1000	5050		95	14 C		90											--			
06/23/70	5213		11.0	60 F	7.4		--	--	--	--	--	--	--	--	--	--	--			3E
1030	5050		110	16 C		86											--			
07/03/70	5050		8.5	69 F	7.0	80	--	--	--	--	--	--	--	--	--	--	--			
1200			94	21 C													--			
07/14/70	5213		9.0	70.5F	7.6		--	--	--	--	--	--	--	--	--	--	--			2E
0750	5050		103	21.4C		101											--			
08/11/70	5213		10.0	65 F			--	--	--	--	--	--	--	--	--	--	--			3E
0950	5050		107	18 C	7.8	79											--			
08/25/70	5213			64 F	7.4		--	--	--	--	--	--	--	--	--	--	--			2E
0825	5050			18 C		77											--			
09/02/70	5050		9.7	64 F	7.3	76	--	--	--	--	--	--	--	--	--	--	--			
0900			101	18 C													--			
09/15/70	5213		11.8	59 F	7.6		--	--	--	--	--	--	--	--	--	--	--			3E
0825	5050		118	15 C		82											--			
09/29/70	5213		10.0	61 F	7.3		--	--	--	--	--	--	--	--	--	--	--			10E
0810	5050		102	16 C		85											--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
A0 6150.00				YUBA RIVER NEAR MARYSVILLE																
02/14/70	5402		11.0	69.8F	7.4		--	--	--	--	--	--	--	--	--	--	--			
1045	5050	59	125	21.0C													--			
02/26/70	5402		11.8	51 F	7.3	71	--	--	--	--	--	--	--	--	--	--	--			25E
1150	5050		105	11 C		66											--			
03/10/70	5402		14.0	50 F	7.8		--	--	--	--	--	--	--	--	--	--	--			30E
1315	5050		125	10 C		65											--			
03/24/70	5402		14.0	52 F	7.6		--	--	--	--	--	--	--	--	--	--	--			8E
1325	5050		128	11 C		64											--			
04/14/70	5402		10.2	55 F	7.0		--	--	--	--	--	--	--	--	--	--	--			5E
1430	5050		95	13 C		85											--			
04/28/70	5402		12.2	53 F	7.8		--	--	--	--	--	--	--	--	--	--	--			25E
1305	5050		111	12 C		80											--			
05/12/70	5402		12.8	50 F	7.4		--	--	--	--	--	--	--	--	--	--	--			7E
1020	5050		114	10 C		66											--			
05/25/70							--	--	--	--	--	--	--	--	--	--	--			5E
1035						70											--			
05/26/70	5402		13.0	57 F	7.6		--	--	--	--	--	--	--	--	--	--	--			5E
1035	5050		124	14 C		70											--			
06/09/70	5402			57.2F			--	--	--	--	--	--	--	--	--	--	--			1E
1110	5050			14.0C		84											--			
06/23/70	5402			64.4F			--	--	--	--	--	--	--	--	--	--	--			2E
	5050			18.0C		74											--			
07/14/70	5402		11.0	69.8F	7.4		--	--	--	--	--	--	--	--	--	--	--			6E
1045	5050	59	125	21.0C		90											--			
07/28/70	5402		11.6	63 F	7.5		--	--	--	--	--	--	--	--	--	--	--			1E
1015	5050	61	121	17 C		77											--			
08/11/70	5402		11.0	66 F	7.6		--	--	--	--	--	--	--	--	--	--	--			1E
1005	5050	63	117	19 C	7.4	76											--			
08/25/70	5402		11.2	66.2F	7.4		--	--	--	--	--	--	--	--	--	--	--			1E
1040	5050		122	19.0C		76											--			
09/29/70	5402		13.0	64.4F	7.5		--	--	--	--	--	--	--	--	--	--	--			11E
1045	5050		139	18.0C		83											--			
A0 6512.01				BEAR RIVER NEAR RIO OSO																
02/26/70	5050		11.5	56 F	7.3	80	--	--	--	--	--	--	--	--	--	--	--			55E
1630	5050		110	13 C		74											--			
03/17/70	5050		12.1	54 F	7.4	70	--	--	--	--	--	--	--	--	--	--	--			35E
0945	5050		113	12 C		80											--			
04/08/70	5050		10.4	60.0F	7.3	132	--	--	--	--	--	--	--	--	--	--	--			8E
1135	5050		105	15.5C		84											--			
04/21/70	5050		10.0	59 F	7.4	120	--	--	--	--	--	--	--	--	--	--	--			15E
1100	5050		100	15 C		124											--			
05/05/70	5050		8.6	66 F	7.8	220	--	--	--	--	--	--	--	--	--	--	--			35E
0855	5050		92	19 C		231											--			
05/19/70	5050		8.1	67 F	7.7	185	--	--	--	--	--	--	--	--	--	--	--			25E
0910	5050		88	19 C		195											--			
06/03/70	5050		7.8	82.5F	7.5	190	--	--	--	--	--	--	--	--	--	--	--			15E
1120	5050		101	28.0C		190											--			
06/16/70	5050		8.7	81 F	7.5	165	--	--	--	--	--	--	--	--	--	--	--			30E
1345	5050		111	27 C		180											--			
07/07/70	5050		8.1	83.0F	8.1	155	--	--	--	--	--	--	--	--	--	--	--			25E
1130	5050		106	28.3C		154											--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
	A0	6512.01		BEAR RIVER NEAR RIO OSO										CONTINUED						
07/21/70	5050		7.2	76 F	7.2	120	--	--	--	--	--	--	--	--	--	--	--			30E
1100	5050		87	24 C		110											--			
08/04/70	5050		8.7	81 F	7.5	160	--	--	--	--	--	--	--	--	--	--	--			25E
1500	5050		111	27 C		154											--			
09/01/70	5050			81.6F	7.9	345	--	--	--	--	--	--	--	--	--	--	--			20E
1510	5050			27.5C		344											--			
09/15/70	5050		8.2	66 F	7.2	117	--	--	--	--	--	--	--	--	--	--	--			25E
1130	5050		87	19 C		121											--			
09/29/70			13.0	64.4F	7.5		--	--	--	--	--	--	--	--	--	--	--			
1045	5050		138	18.0C													--			
	A0	6535.01		BEAR RIVER AT FORTY MILE ROAD NEAR WHEATLAND																
03/10/70	5405		12.0	53 F	7.3		--	--	--	--	--	--	--	--	--	--	--			50E
1410	5050		109	12 C		65											--			
03/24/70	5405		12.0	57 F	7.3		--	--	--	--	--	--	--	--	--	--	--			12E
1030	5050		115	14 C		68											--			
04/14/70	5405	1.00	12.0	53 F	7.3		--	--	--	--	--	--	--	--	--	--	--			10E
1105	5050	2.5	109	12 C		71											--			
04/28/70	5405	0.50		58.5F	7.8		--	--	--	--	--	--	--	--	--	--	--			12E
1030	5050	1.5		14.7C		134											--			
05/12/70	5405	0.30	11.0	65 F	8.0		--	--	--	--	--	--	--	--	--	--	--			5E
1400	5050		117	18 C		145											--			
05/26/70	5405		10.0	74.0F	7.5		--	--	--	--	--	--	--	--	--	--	--			6E
1100	5050		119	23.3C		101											--			
06/09/70	5405	0.40	10.0	64 F	7.8		--	--	--	--	--	--	--	--	--	--	--			2E
1030	5050		104	18 C		151											--			
06/23/70	5405	1.00	9.0	80 F	8.0		--	--	--	--	--	--	--	--	--	--	--			10E
1105	5050	1.0	113	27 C		169											--			
07/14/70	5405	0.10	8.0	86 F	8.5		--	--	--	--	--	--	--	--	--	--	--			10E
1100	5050	.5	108	30 C		159											--			
08/25/70	5405		10.0	87 F			--	--	--	--	--	--	--	--	--	--	--			1E
1400	5050		135	31 C		164											--			
	A0	6550.00		BEAR RIVER NEAR WHEATLAND																
10/02/69	5050	0.45	10.2	74 F	8.0	120	12	6.1	3.8	--	.0	55	--	4.2	--	--	--		55	2E
1400	5050		120	23 C	7.7	127	.60	.50	.17		.00	.90		.12			--		10	
							47	39	13			71		9						
11/06/69	5050		10.4	59 F	7.7	149	14	6.6	3.8	--	.0	62	--	4.5	--	--	--		62	3E
1530	5050		104	15 C	7.7	141	.70	.54	.17		.00	1.02		.13			--		11	
							50	38	12			72		9						
12/11/69	5050	1.02	11.6	51 F	7.2	85	7.9	3.5	2.4	--	.0	36	--	4.0	--	340	--		34	5E
0915	5050		103	11 C	7.5	83	.39	.29	.10		.00	.59		.11			--		5	
							47	35	12			71		13						
01/17/70	5050		13.5	51 F	7.3	60	--	--	--	--	--	--	--	--	--	--	--			
1530			120	11 C													--			
02/04/70	5050		12.8	52 F	7.2	62	--	--	--	--	--	--	--	--	--	--	--			
1330			117	11 C													--			
02/26/70	5405	2.50	12.0	56 F	7.3	70	--	--	--	--	--	--	--	--	--	--	--			55E
1430	5050		115	13 C		64											--			
03/10/70	5405	3.90	12.0	52 F	7.2		--	--	--	--	--	--	--	--	--	--	--			40E
1320	5050		109	11 C		66											--			
03/10/70	5405		12.0	51 F	7.3	63	6.1	2.7	2.6	--	.0	28	--	1.8	--	--	--		26	50E
1500	5050		107	11 C	7.5	66	.30	.22	.11		.00	.46		.05			--		3	
							45	33	17			70		8						
03/24/70	5050	2.80	12.0	56 F	7.2		--	--	--	--	--	--	--	--	--	--	--			11E
1000	5050	4.0	115	13 C		68											--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD PH	LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
A0	6550.00			BEAR RIVER NEAR WHEATLAND										CONTINUED						
03/24/70			12.0	57 F	7.3		--	--	--	--	--	--	--	--	--	--	--			12E
1030	5050	4.0	115	14 C		68											--			
04/14/70	5405	1.00	12.0	53 F	7.3		--	--	--	--	--	--	--	--	--	--	--			8E
1035	5050	2.5	109	12 C		74											--			
04/28/70	5405		11.0	58 F	6.8	2	--	--	--	--	--	--	--	--	--	--	--			5E
1000	5050	.0	108	14 C		130											--			
05/12/70	5405	0.40	11.0	65 F	7.9		--	--	--	--	--	--	--	--	--	--	--			4E
1130	5050	1.5	117	18 C		161											--			
05/19/70	5050		8.9	69 F	7.4	84	--	--	--	--	--	--	--	--	--	--	--			
1330			99	21 C													--			
05/26/70	5405	0.40	10.0	72.8F	7.3		--	--	--	--	--	--	--	--	--	--	--			4E
1030	5050		117	22.6C		103											--			
06/05/70	5405	4.73	7.8	75 F	7.9	143	14	6.8	4.7	--	.0	66	--	4.3	--	--	--		63	2E
1000	5050		92	24 C	8.0	153	.70	.56	.20		.00	1.08		.12			--		9	
							46	37	13			71		8						
06/09/70	5405	0.40	10.0	64 F	7.6		--	--	--	--	--	--	--	--	--	--	--			2E
1000	5050	2.5	104	18 C		152											--			
06/23/70	5405	0.30	9.0	80 F	2.9	79	--	--	--	--	--	--	--	--	--	--	--			4E
1030	5050	1.0	113	27 C		158											--			
07/02/70	5050		8.0	77 F	7.5	144	--	--	--	--	--	--	--	--	--	--	--			
0945			98	25 C													--			
07/14/70	5405	0.20	9.0	80 F	8.0		--	--	--	--	--	--	--	--	--	--	--			3E
1030	5050	1.0	113	27 C		159											--			
07/28/70	5405	0.20	9.0	85 F	8.0		--	--	--	--	--	--	--	--	--	--	--			11E
1300	5050	1.0	119	29 C		68											--			
08/11/70	5405	0.20	12.0	87 F			--	--	--	--	--	--	--	--	--	--	--			2E
1315	5050	1.0	162	31 C		156											--			
08/12/70	5050		8.5	87 F	8.2	165	--	--	--	--	--	--	--	--	--	--	--			
1430			115	31 C													--			
09/02/70	5050		8.8	69 F	7.3	145	--	--	--	--	--	--	--	--	--	--	--			
0745			98	21 C													--			
09/29/70	5405						--	--	--	--	--	--	--	--	--	--	--			4E
1330	5050	1.0				175											--			
A0	6620.01			DRY CREEK AT FORTY MILE ROAD NEAR RIO OSO																
03/10/70	5405		12.0	58 F	7.2		--	--	--	--	--	--	--	--	--	--	--			25E
1420	5050		117	14 C		146											--			
03/24/70	5405		10.0	63 F	8.0		--	--	--	--	--	--	--	--	--	--	--			6E
1045	5050		104	17 C		227											--			
04/14/70	5405			56 F	7.5		--	--	--	--	--	--	--	--	--	--	--			20E
1125	5050			13 C		321											--			
04/28/70	5405		12.0	60 F	8.0		--	--	--	--	--	--	--	--	--	--	--			10E
1105	5050	.5	120	16 C		304											--			
05/12/70	5405	0.40	10.0	65 F	8.0		--	--	--	--	--	--	--	--	--	--	--			15E
1415	5050	.5	107	18 C		449											--			
05/26/70	5405		8.0	74 F	7.8		--	--	--	--	--	--	--	--	--	--	--			15E
1115	5050		94	23 C		479											--			
06/09/70	5405			64 F	7.2		--	--	--	--	--	--	--	--	--	--	--			10E
1100	5050	.1		18 C		526											--			
06/23/70	5405		6.0	77 F	7.2		--	--	--	--	--	--	--	--	--	--	--			35E
1130	5050		74	25 C		596											--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER									MILLIGRAMS PER LITER				
							MILLIEQUIVALENTS PER LITER													
							PERCENT REACTANCE VALUE													
	A0	7140.00			AMERICAN RIVER AT SACRAMENTO															
10/27/69	5050	9.30	9.5	58 F	7.0	42	4.6	1.1	1.8	.8	.0	20	.0	2.0	.5	.00	--		16	2E
0915	5050		93	14 C	7.2	42	.23	.09	.08	.02	.00	.33	.00	.06	.01		--	21	1	
							55	21	19	5		83		15	3					
	A0	7140.10			AMERICAN RIVER AT SACRAMENTO WTR PLT AT SACRAMENTO															
11/04/69	5050		9.8	61 F	7.1	44	--	--	--	--	--	--	--	--	--	--	--			
1515			100	16 C													--			
12/10/69	5050		11.0	53 F	7.0	51	--	--	--	--	--	--	--	--	--	--	--			
1330			100	12 C													--			
01/12/70	5050		11.9	50 F	7.1	48	--	--	--	--	--	--	--	--	--	--	--			
1500			106	10 C													--			
02/17/70	5050		11.8	48 F	7.1	50	--	--	--	--	--	--	--	--	--	--	--			
1400			100	9 C													--			
03/16/70	5050		13.3	50 F	7.2		--	--	--	--	--	--	--	--	--	--	--			
1030			118	10 C													--			
07/10/70	5050		8.8	63 F	7.3	54	--	--	--	--	--	--	--	--	--	--	--			
1000			92	17 C													--			
09/04/70	5050		9.5	69 F	7.2	50	--	--	--	--	--	--	--	--	--	--	--			
1320			105	21 C													--			
	A0	7175.00			AMERICAN RIVER AT FAIR OAKS															
10/27/69	5050		8.1	58 F	6.8	40	4.7	1.1	1.6	.8	.0	20	.0	1.4	.1	.00	--	36	16	5E
0730	5050		79	14 C	7.3	1	.23	.09	.07	.02	.00	.33	.00	.04	.00		--	20	1	
							56	22	17	5		89		11						
	A0	7180.00			AMERICAN RIVER BELOW NIMBUS DAM															
10/27/69	5050		9.8	57 F	6.8	65	5.8	2.5	3.5	--	.0	34	--	1.9	--	--	--		25	
0815	5050		93	14 C	7.2	66	.29	.21	.15		.00	.56		.05			--		3	
							44	32	23			85		8						

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER									MILLIGRAMS PER LITER				
							MILLIEQUIVALENTS PER LITER													
							PERCENT REACTANCE VALUE													
	A0	R 931.5	136.7		THERMALITO FOREBAY AT NELSON AVENUE BRIDGE															
10/02/69	5050		9.2	53.2F	7.1	72	--	--	--	--	.0	39	--	--	--	--	--			
	5050		88	11.8C	7.4						.00	.64					--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
A0 V 836.3 128.4 NATOMAS EAST MAIN DRAIN AT SACRAMENTO																				
10/07/69	5050		5.7	55 F	7.0	280	--	--	--	--	--	--	--	--	--	--	--			35E
0815	5050		55	13 C		280											--			
10/21/69	5050		5.7	54 F	7.0	260	--	--	--	--	--	--	--	--	--	--	--			20E
0745	5050		55	12 C		254											--			
11/04/69	5050		5.3	56 F	7.1	310	--	--	--	--	--	--	--	--	--	--	--			25E
0820	5050		52	13 C		315											--			
11/13/69	5050		7.4	48 F	7.0	280	--	--	--	--	--	--	--	--	--	--	--			15E
1040	5050		65	9 C		280											--			
12/02/69	5050		8.4	42 F	7.1	280	--	--	--	--	--	--	--	--	--	--	--			15E
0915	5050		68	6 C		276											--			
12/16/69	5050		6.2	49 F	7.0	260	--	--	--	--	--	--	--	--	--	--	--			25E
0940	5050		56	9 C		254											--			
01/06/70	5050		8.3	38 F	6.8	260	--	--	--	--	--	--	--	--	--	--	--			20E
0930	5050		64	3 C		243											--			
01/20/70	5050		6.4	54 F	7.0	185	--	--	--	--	--	--	--	--	--	--	--			35E
1000	5050		62	12 C		172											--			
02/17/70	5050		7.2	52 F	7.1	240	--	--	--	--	--	--	--	--	--	--	--			25E
0945	5050		68	11 C		238											--			
03/03/70	5050		7.8	50 F	7.0	150	--	--	--	--	--	--	--	--	--	--	--			40E
0930	5050		72	10 C		162											--			
03/17/70	5050		8.4	58 F	7.2	230	--	--	--	--	--	--	--	--	--	--	--			30E
1230	5050		85	14 C		254											--			
04/07/70	5050		6.0	56 F	7.3	320	--	--	--	--	--	--	--	--	--	--	--			30E
0810	5050		59	13 C		325											--			
04/21/70	5050		6.0	54 F	2.7	280	--	--	--	--	--	--	--	--	--	--	--			20E
0820	5050		58	12 C		287											--			
05/05/70			4.6	63 F	7.1	300	--	--	--	--	--	--	--	--	--	--	--			30E
0815	5050		50	17 C		328											--			
05/19/70	5050		4.4	62 F	7.3	325	--	--	--	--	--	--	--	--	--	--	--			25E
0810	5050		46	17 C		355											--			
06/03/70	5050		2.5	73 F	7.3	390	--	--	--	--	--	--	--	--	--	--	--			25E
0815	5050		30	23 C		412											--			
06/16/70	5050		4.3	66 F	7.1	242	--	--	--	--	--	--	--	--	--	--	--			50E
0715	5050		47	19 C		252											--			
07/07/70	5050		3.7	70 F	7.3	400	--	--	--	--	--	--	--	--	--	--	--			30E
0810	5050		43	21 C		418											--			
07/21/70	5050		6.3	77 F	7.2	400	--	--	--	--	--	--	--	--	--	--	--			20E
1245	5050		80	25 C		428											--			
08/04/70	5050		2.9	68 F	7.3	440	--	--	--	--	--	--	--	--	--	--	--			15E
0740	5050		33	20 C		450											--			
08/18/70	5050		2.7	71 F	7.3	410	--	--	--	--	--	--	--	--	--	--	--			20E
0750	5050		32	22 C		412											--			
A0 X 846.8 136.2 NATOMAS CROSS CANAL AT VERONA																				
10/07/69	5050	4.30	7.5	59 F	7.1	172	--	--	--	--	--	--	--	--	--	--	--			35E
0910	5050		77	15 C		173											--			
10/21/69	5050	5.06	7.4	58 F	7.1	195	--	--	--	--	--	--	--	--	--	--	--			45E
0930	5050		75	14 C		201											--			
11/04/69	5050	6.65	7.8	57 F	7.1	160	--	--	--	--	--	--	--	--	--	--	--			30E
0930	5050		77	14 C		162											--			
11/18/69	5050	4.98	8.6	55 F	7.1	165	--	--	--	--	--	--	--	--	--	--	--			30E
1230	5050		83	13 C		183											--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F / SIO2	TDS / SUM	TH / NCH	TURB
A0 X 846.8 136.2 NATOMAS CROSS CANAL AT VERONA CONTINUED																				
12/02/69	5050	4.80	11.9	45 F	7.3	142	--	--	--	--	--	--	--	--	--	--	--			15E
1025	5050		101	7 C		140											--			
12/16/69	5050	2.81	10.2	51 F	7.1	122	--	--	--	--	--	--	--	--	--	--	--			25E
1145	5050		94	11 C		120											--			
01/06/70	5050	5.91	8.7	44 F	7.0	190	--	--	--	--	--	--	--	--	--	--	--			30E
1045	5050		72	7 C		177											--			
01/20/70	5050	7.27	7.2	56 F	7.0	140	--	--	--	--	--	--	--	--	--	--	--			65E
1230	5050		71	13 C		144											--			
02/17/70	5050	3.11	8.2	52 F	7.3	280	--	--	--	--	--	--	--	--	--	--	--			60E
1030	5050		77	11 C		275											--			
03/03/70	5050	0.42	8.8	55 F	7.2	210	--	--	--	--	--	--	--	--	--	--	--			65E
1020	5050		85	13 C		237											--			
03/17/70	5050	6.61	11.2	61 F	7.6	165	--	--	--	--	--	--	--	--	--	--	--			35E
1100	5050		118	16 C		187											--			
04/07/70	5050	5.45	7.6	61 F	7.3	330	--	--	--	--	--	--	--	--	--	--	--			50E
0950	5050		80	16 C		338											--			
05/19/70	5050		7.5	70 F	7.4	460	--	--	--	--	--	--	--	--	--	--	--			55E
1500	5050		88	21 C		513											--			
A0 X 931.7 133.3 THERMALITO POWER CANAL AT CALIFORNIA WATER CO TURNOUT																				
04/08/70	5050		10.8	50.7F	7.1	70	--	--	--	--	.0	36	--	--	--	--	--			
0720	5050		100	10.4C	7.6	65					.00	.59					--			
												91								
A1 1020.00 PIT RIVER NEAR MONTGOMERY CREEK																				
11/18/69	5050		11.5	49 F	7.8		--	--	8.2	--	.0	77	--	4.1	--	.10	--		47	3E
1030	5050	5760	104	9 C	7.6	131			.36		.00	1.26		.12			--			
									27			96		9						
03/10/70	5050		13.2	47 F	7.4		--	--	6.7	--	.0	68	--	1.8	--	.10	--		46	25E
1000	5050	10400	117	8 C	7.8	124			.29		.00	1.12		.05			--			
									23			90		4						
05/13/70	5050		12.6	56 F	7.9		9.7	6.7	12	2.0	.0	86	.6	1.9	.5	.10	--	116	52	2E
1130	5050	4730	125	13 C	8.0	148	.48	.55	.52	.05	.00	1.41	.01	.05	.01		--	77	19	
							30	34	33	3		95	1	3	1					
07/14/70	5050		10.5	67 F	8.2		--	--	11	--	.0	80	--	2.5	--	.00	--		52	3E
1000	5050	4160	118	19 C	8.3	146			.48		.00	1.31		.07			--			
									33			90		5						
09/02/70	5050		10.3	63 F	8.1		10	5.6	10	1.9	.0	77	1.2	3.5	.8	.00	--	100	48	7E
1205	5050	4410	111	17 C	8.3	137	.50	.46	.44	.05	.00	1.26	.02	.10	.01		--	72	15	
							34	32	30	3		91	1	7	1					
A1 1680.00 PIT RIVER NEAR CANBY																				
10/15/69	5050	3.80	10.2	45 F	8.0		--	--	28	--	.0	160	--	6.4	--	.20	--		94	40E
1210	5050	123	98	7 C	8.2	290			1.22		.00	2.62		.18			--			
									42			90		6						
11/18/69	5050	2.67	12.9	39 F	8.4		--	--	31	--	.0	156	--	9.0	--	.20	--		86	50E
1245	5050	86	114	4 C	7.7	292			1.35		.00	2.56		.25			--			
									46			88		9						
12/09/69	5050	2.65	12.9	32 F	8.0		--	--	26	--	.0	144	--	7.6	--	.10	--		79	27E
1120	5050	83	103	0 C	7.9	274			1.13		.00	2.36		.21			--			
									41			86		8						
01/13/70	5050	3.65	12.2	33 F	7.5		--	--	17	--	.0	87	--	3.8	--	.10	--		52	130E
1035	5050	478	98	1 C	7.1	166			.74		.00	1.43		.11			--			
									45			86		7						
02/10/70	5050	3.70	11.2	44 F	7.6		--	--	20	--	.0	107	--	6.4	--	.10	--		68	55E
1110	5050	504	106	7 C	7.5	209			.87		.00	1.75		.18			--			
									42			84		9						
03/10/70	5050	5.27	11.2	43 F	7.4		--	--	20	--	.0	84	--	6.8	--	.10	--		60	130E
1245	5050	1540	105	6 C	7.6	195			.87		.00	1.38		.19			--			
									45			71		10						
04/15/70	5050	3.12	11.3	44 F	7.9		--	--	22	--	1.0	119	--	5.0	--	.10	--		77	45E
1045	5050	235	107	7 C	8.4	244			.96		.03	1.95		.14			--			
									39		1	80		6						
05/13/70	5050	4.17	10.5	49 F	7.7		14	9.1	17	4.0	.0	112	14	2.0	1.4	.10	--	150	73	50E
1355	5050	792	106	9 C	7.8	221	.70	.75	.74	.10	.00	1.84	.29	.06	.02		--	118	20	
							31	33	32	4		83	13	3	1					
06/17/70	5050	4.53	8.1	66 F	7.8		--	--	18	--	.0	123	--	3.5	--	.20	--		73	30E
1130	5050	1030	100	19 C	7.9	221			.78		.00	2.02		.10			--			
									35			91		5						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
A1	1680.00				PIT RIVER NEAR CANBY									CONTINUED						
07/14/70	5050	2.52	11.6	74 F	8.4		--	--	19	--	.0	120	--	2.1	--	.10	--		67	20E
1215	5050	37	156	23 C	7.8	218			.83		.00	1.97		.06			--			
									38			90		3						
08/04/70	5050	2.10	5.9	68 F	8.1		--	--	18	--	.0	131	--	3.4	--	.10	--		77	10E
0845	5050	6.2	75	20 C	7.9	225			.78		.00	2.15		.10			--			
									35			96		4						
09/01/70	5050	2.61	9.5	65 F	8.4		--	--	24	--	.0	143	--	5.8	--	.20	--		88	30E
1030	5050	71	117	18 C	7.9	262			1.04		.00	2.35		.16			--			
									40			90		6						
A1	4400.00				PIT RIVER SOUTH FORK NEAR LIKELY															
01/13/70	5050	2.14	12.1	36 F	7.6		--	--	6.3	--	.0	68	--	1.0	--	.00	--		46	5E
1150	5050	38	103	2 C	7.3	121			.27		.00	1.12		.03			--			
									22			93		2						
05/13/70	5050	3.39	10.9	50 F	7.8		9.3	4.0	6.4	2.1	.0	60	.5	.0	1.5	.00	--	104	40	15E
1520	5050	234	113	10 C	7.8	105	.46	.33	.28	.05	.00	.98	.01	.00	.02		--	54	10	
							41	29	25	4		97	1		2					
A2	1010.00				SACRAMENTO RIVER AT KESWICK															
10/07/69	5050		9.6	51 F	7.1		--	--	4.2	--	.0	54	2.0	1.5	--	.00	--		40	2E
0645	5050	8280	88	11 C	7.8	102			.18		.00	.89	.04	.04			--			
									18			87	4	4						
11/04/69	5050		9.0	54 F	7.1		--	--	5.0	--	.0	59	2.4	1.8	--	.10	--		42	7E
0740	5050	8250	85	12 C	7.2	106			.22		.00	.97	.05	.05			--			
									21			92	5	5						
12/02/69	5050		9.9	52 F	7.3		--	--	6.9	--	.0	68	4.3	1.8	--	.10	--		46	3E
0930	5050	7670	91	11 C	7.3	123			.30		.00	1.12	.09	.05			--			
									24			91	7	4						
01/06/70	5050		11.2	49 F	7.7		--	--	6.1	--	.0	61	2.0	2.9	--	.00	--		42	22E
0925	5050	15600	100	9 C	7.4	112			.27		.00	1.00	.04	.08			--			
									24			89	4	7						
02/03/70	5050		11.7	48 F	7.1		--	--	4.6	--	.0	45	3.4	1.1	--	.00	--		34	110E
0920	5050	58100	103	9 C	7.0	89			.20		.00	.74	.07	.03			--			
									22			83	8	3						
03/03/70	5050		10.6	46 F	7.5		--	--	3.8	--	.0	41	5.9	.8	--	.10	--		33	50E
0910	5050	8170	91	8 C	7.1	83			.17		.00	.67	.12	.02			--			
									20			81	14	2						
04/07/70	5050		11.7	48 F	7.0		--	--	3.5	--	.0	45	4.6	.5	--	.00	--		39	40E
0835	5050	6970	103	9 C	7.6	113			.15		.00	.74	.10	.01			--			
									13			65	9	1						
05/07/70	5050		12.1	50 F	7.1		6.8	5.1	4.7	.9	.0	49	4.3	.4	.1	.00	--	76	38	10E
1225	5050	9710	109	10 C	7.5	94	.34	.42	.20	.02	.00	.80	.09	.01	.00		--	47	2	
							35	43	20	2		89	10	1						
06/03/70	5050		12.3	49 F	7.1		--	--	4.6	--	.0	54	4.0	2.7	--	.00	--		40	12E
0835	5050	9030	109	9 C	7.6	99			.20		.00	.89	.08	.08			--			
									20			90	8	8						
07/14/70	5050		10.7	53 F	7.1		--	--	4.2	--	.0	52	3.1	1.3	--	.00	--		39	4E
0805	5050	11700	100	12 C	7.6	97			.18		.00	.85	.06	.04			--			
									19			88	6	4						
08/19/70	5050		9.0	52 F	7.0		--	--	4.2	--	.0	53	--	1.9	--	.00	--		44	3E
0900	5050	9380	83	11 C	8.0	99			.18		.00	.87		.05			--			
									18			88		5						
09/08/70	5050		9.8	52 F	7.0		8.2	4.7	4.7	.9	.0	52	2.6	2.3	.2	.00	--	66	40	8E
0930	5050	7880	90	11 C	7.0	100	.41	.39	.20	.02	.00	.85	.05	.06	.00		--	50	3	
							40	38	20	2		89	5	6						
A2	1300.00				SACRAMENTO RIVER AT DELTA															
10/14/69	5050	3.96	11.3	52 F	8.0		--	--	9.6	--	.0	76	--	6.2	--	.20	--		60	3E
1015	5050	278	106	11 C	8.0	142			.42		.00	1.25		.17			--			
									30			88		12						
11/17/69	5050	3.78	12.8	42 F	7.7		--	--	9.0	--	.0	74	--	8.8	--	.20	--		53	3E
0920	5050	232	106	6 C	7.7	146			.39		.00	1.21		.25			--			
									27			83		17						
12/08/69	5050	3.86	13.3	42 F	7.5		--	--	10	--	.0	75	--	8.5	--	.20	--		52	2E
1125	5050	252	110	6 C	7.8	150			.44		.00	1.23		.24			--			
									29			82		16						
01/12/70	5050	7.45	12.5	45 F	7.3		--	--	2.8	--	.0	41	--	1.4	--	.00	--		32	20E
0935	5050	3010	108	7 C	6.4	76			.12		.00	.67		.04			--			
									16			88		5						
02/09/70	5050	5.82	12.5	48 F	8.2		--	--	3.4	--	.0	42	--	1.4	--	.10	--		33	3E
1050	5050	1370	112	9 C	7.5	80			.15		.00	.69		.04			--			
									19			86		5						
03/09/70	5050	6.48	13.2	45 F	7.1		--	--	3.1	--	.0	45	--	1.8	--	.10	--		35	5E
1000	5050	2010	113	7 C	7.7	80			.13		.00	.74		.05			--			
									16			93		6						
04/14/70	5050	5.07	12.9	47 F	7.5		--	--	3.8	--	.0	50	--	2.1	--	.00	--		40	2E
1120	5050	870	114	8 C	7.8	92			.17		.00	.82		.06			--			
									18			89		7						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP		FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
A2	1300.00					SACRAMENTO RIVER AT DELTA									CONTINUED						
05/12/70	5050	5.12	12.9	47	F	7.4		4.4	7.3	4.7	.6	.0	56	.5	1.2	.1	.10	--	79	41	1E
1135	5050	894	114	8	C	7.8	97	.22	.60	.20	.02	.00	.92	.01	.03	.00		--	47	5	
								21	58	19	2		96	1	3						
06/16/70	5050	4.30	10.6	60	F	7.8		--	--	5.2	--	.0	64	--	4.4	--	.10	--		49	1E
0910	5050	428		16	C	7.9	117			.23		.00	1.05		.12			--			
										20			90		10						
07/13/70	5050	3.76	9.7	66	F	8.0		--	--	10	--	.0	72	--	6.0	--	.20	--		52	2E
0820	5050	230	80	19	C	8.2	136			.44		.00	1.18		.17			--			
										32			87		12						
08/31/70	5050	3.57	10.0	63	F	7.7		--	--	11	--	.0	77	--	8.4	--	.30	--		54	2E
0840	5050	185	70	17	C	8.0	153			.48		.00	1.26		.24			--			
										31			82		16						
A2	2150.00					MCCLOUD RIVER ABOVE SHASTA LAKE															
10/14/69	5050		11.2	49	F	7.5		--	--	5.2	--	.0	62	--	1.7	--	.00	--		46	3E
0910	5050	315	102	9	C	8.0	107			.23		.00	1.02		.05			--			
										21			95		5						
11/17/69	5050		12.2	43	F	7.5		--	--	4.5	--	.0	61	--	2.1	--	.00	--		43	1E
0815	5050	303	102	6	C	7.6	108			.20		.00	1.00		.06			--			
										19			93		6						
12/08/69	5050		13.2	42	F	7.3		--	--	4.8	--	.0	60	--	1.7	--	.00	--		42	2E
1015	5050	330	110	6	C	7.6	105			.21		.00	.98		.05			--			
										20			93		5						
01/12/70	5050		12.4	46	F	7.3		--	--	2.6	--	.0	44	--	.0	--	.00	--		36	7E
0825	5050	2010	108	8	C	7.3	82			.11		.00	.72		.00			--			
										13			88								
02/09/70	5050		12.4	49	F	7.5		--	--	3.1	--	.0	60	--	.8	--	.00	--		47	10E
0940	5050	1080	111	9	C	7.4	106			.13		.00	.98		.02			--			
										12			92		2						
03/09/70	5050		13.1	46	F	7.4		--	--	3.1	--	.0	53	--	.5	--	.10	--		42	5E
0905	5050	1370	114	8	C	7.6	95			.13		.00	.87		.01			--			
										14			92		1						
04/14/70	5050		12.5	48	F	7.7		--	--	3.8	--	.0	62	--	.0	--	.00	--		53	2E
1015	5050	477	112	9	C	7.9	113			.17		.00	1.02		.00			--			
										15			90								
05/12/70	5050		12.8	46	F	7.5		10	5.2	4.9	.9	.0	64	2.6	.0	.0	.00	--	72	46	1E
0945	5050	390	112	8	C	7.9	111	.50	.43	.21	.02	.00	1.05	.05	.00	.00		--	56	6	
								43	37	18	2		95	5							
06/16/70	5050		10.3	58	F	8.0		--	--	4.2	--	.0	60	--	1.5	--	.00	--		47	2E
0800	5050	354	104	14	C	7.9	108			.18		.00	.98		.04			--			
										17			91		4						
07/13/70	5050		9.8	63	F	8.0		--	--	5.7	--	.0	63	--	.0	--	.00	--		44	3E
0715	5050	307	105	17	C	8.1	109			.25		.00	1.03		.00			--			
										23			94								
08/03/70	5050		9.3	61	F	7.8		12	4.1	4.9	1.4	.0	61	1.8	1.8	.0	.00	--	79	47	5E
0715	5050	290	98	16	C	8.2	107	.60	.34	.21	.04	.00	1.00	.04	.05	.00		--	57	3	
								50	29	18	3		92	4	5						
09/02/70	5050		9.6	59	F	7.9		--	--	5.1	--	.0	62	--	2.1	--	.00	--		44	2E
0930	5050	290	99	15	C	8.0	108			.22		.00	1.02		.06			--			
										20			94		6						
A3	1110.00					STONY CREEK BELOW BLACK BUTTE DAM															
11/05/69	5050	2.90	12.9	60	F	8.4		--	--	19	--	.0	208	--	14	.1	.20	--		177	27E
1210	5050	84	130	16	C	8.3	382			.65		.00	3.41		.39	.00		--			
										17			89		10						
01/07/70	5050	2.62	14.0	45	F	8.0		--	--	15	--	.0	133	--	18	1.2	.20	--		127	115E
1215	5050	53	117	7	C	7.8	303			.65		.00	2.18		.51	.02		--			
										21			72		17	1					
03/04/70	5050	2.54	11.8	48	F	7.9		--	--	11	--	.0	137	--	9.4	1.2	.10	--		122	120E
1155	5050	47	103	9	C	8.0	281			.48		.00	2.25		.27	.02		--			
										17			80		10	1					
05/06/70	5050	3.92	11.4	61	F	8.3		34	15	14	1.2	.0	160	24	12	.1	.00	--	179	142	25E
1145	5050	291	116	16	C	8.3	330	1.70	1.23	.61	.03	.00	2.62	.50	.34	.00		--	180	16	
								48	34	17	1		76	14	10						
07/02/70	5050	3.66	9.1	69	F	8.0		--	--	15	--	.0	177	--	12	.1	.10	--		158	30E
0800	5050	208	101	21	C	8.3	377			.65		.00	2.90		.34	.00		--			
										17			77		9						
09/03/70	5050	3.30	9.3	77	F	8.5		--	--	16	--	.0	203	--	14	.1	.30	--		174	55E
1400	5050	141	112	25	C	8.0	385			.70		.00	3.33		.39	.00		--			
										18			86		10						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
							MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				
A3	1250.00				STONY CREEK NEAR FRUTO															
10/01/69	505		9.5	158 F	8.4		--	--	14	--	.0	211	--	12	.9	.30	--		175	90E
1145	5050	220	583	70 C	8.2	386			.61		.00	3.46		.34	.01		--			
									16			90		9						
11/05/69	5050		11.9	58 F	8.4		--	--	21	--	.0	201	--	28	.1	.30	--		207	19E
1100	5050	23	118	14 C	8.2	476			.91		.00	3.30		.79	.00		--			
									19			69		17						
12/10/69	5050		11.8	49 F	8.3		--	--	27	--	5.0	206	--	42	.5	.60	--		201	20E
1110	5050	89	105	9 C	8.4	493			1.17		.17	3.38		1.18	.01		--			
									24		3	69		24						
01/07/70	5050		14.4	39 F	7.8		--	--	16	--	.0	122	--	24	.4	.10	--		132	20E
1106	5050	107	111	4 C	7.7	330			.70		.00	2.00		.68	.01		--			
									21			61		21						
02/05/70	5050		12.1	51 F	8.0		--	--	9.8	--	.0	113	--	8.5	.6	.10	--		104	250E
1220	5050	1250	110	11 C	7.7	241			.43		.00	1.85		.24	.01		--			
									18			77		10						
03/04/70	5050		13.1	45 F	7.8		--	--	16	--	.0	132	--	16	.3	.10	--		132	360E
1100	5050	564	110	7 C	7.9	320			.70		.00	2.16		.45	.00		--			
									22			68		14						
04/03/70	5050		11.2	59 F	8.2		--	--	11	--	.0	153	--	15	.1	.10	--		143	4E
1305	5050	330	113	15 C	8.3	334			.48		.00	2.51		.42	.00		--			
									14			75		13						
05/06/70	5050		10.9	57 F	8.2		33	14	15	1.1	.0	159	22	12	.1	.10	--	172	142	30E
1030	5050	499	107	14 C	8.1	327	1.65	1.15	.65	.03	.00	2.61	.46	.34	.00		--	177	10	
							47	33	19	1		77	13	10						
06/05/70	5050		10.0	72 F	8.2		--	--	15	--	.0	167	--	15	.0	.20	--		152	30E
1100	5050	164	116	22 C	8.3	345			.65		.00	2.74		.42	.00		--			
									19			79		12						
07/02/70	5050		9.5	72 F	8.2		--	--	15	--	.0	178	--	12	.1	.20	--		158	45E
0930	5050	393	110	22 C	8.3	368			.65		.00	2.92		.34	.00		--			
									18			79		9						
08/07/70	5050		8.8	75 F	8.2		--	--	13	--	.0	206	--	12	.1	.20	--		172	30E
0845	5050	353	105	24 C	8.2	371			.57		.00	3.38		.34	.00		--			
									15			91		9						
09/03/70	5050		9.1	77 F	8.4		--	--	16	--	.0	214	--	14	.0	.30	--		184	45E
1245	5050	321	111	25 C	8.3	392			.70		.00	3.51		.39	.00		--			
									18			90		10						
A3	1302.00				GRINDSTONE CREEK NEAR ELK CREEK															
11/05/69	5050	9.32	12.1	57 F	8.2		--	--	23	--	.0	160	--	37	.0	.20	--		232	2E
1005	5050	2.6	119	14 C	8.3	543			1.00		.00	2.62		1.04	.00		--			
									18			48		19						
01/07/70	5050	9.67	14.6	39 F	7.6		--	--	7.7	--	.0	98	--	6.9	.1	.10	--		110	3E
0925	5050	58	113	4 C	7.6	252			.33		.00	1.61		.19	.00		--			
									13			64		8						
03/04/70	5050	0.08	12.6	44 F	8.0		--	--	13	--	.0	111	--	17	.2	.10	--		115	240E
0950	5050	294	105	7 C	7.5	281			.57		.00	1.82		.48	.00		--			
									20			65		17						
05/06/70	5050	9.72	10.7	57 F	8.2		49	6.6	12	1.2	.0	137	52	6.9	.1	.00	--	190	149	10E
0925	5050	58	105	14 C	8.1	341	2.45	.54	.52	.03	.00	2.25	1.08	.19	.00		--	196	37	
							69	15	15	1		64	31	5						
07/02/70	5050	9.56	8.9	76 F	8.2		--	--	17	--	.0	156	--	14	.1	.10	--		192	0E
0900	5050	12	107	24 C	8.3	452			.74		.00	2.56		.39	.00		--			
									16			57		9						
09/03/70	5050		9.4	77 F	7.7		77	15	22	1.5	.0	205	99	24	.0	.10	--	328	253	4E
1200	5050	1.5	117	25 C	7.8	569	3.84	1.23	.96	.04	.00	3.36	2.06	.68	.00		--	341	86	
							63	20	16	1		55	34	11						
A3	2120.00				THOMES CREEK AT PASKENTA															
10/01/69	5050	4.05	9.3	67 F	8.1		--	--	12	--	.0	136	--	21	.2	.20	--		170	1E
0930	5050	7.1	103	19 C	8.2	397			.52		.00	2.23		.59	.00		--			
									13			56		15						
11/12/69	5050	4.59		55 F	8.0		--	--	11	--	.0	141	--	13	.1	.10	--		148	2E
1040	5050	25		13 C	8.3	331			.48		.00	2.31		.37	.00		--			
									15			70		11						
12/01/69	5050	4.48	12.9	48 F	8.1		--	--	11	--	.0	160	--	16	.1	.10	--		170	3E
1250	5050	16	114	9 C	8.1	372			.48		.00	2.62		.45	.00		--			
									13			70		12						
01/05/70	5050	4.07	14.2	37 F	7.7		--	--	4.3	--	.0	87	--	2.8	.1	.10	--		85	7E
1230	5050	163	108	3 C	7.8	184			.19		.00	1.43		.08	.00		--			
									10			78		4						
02/05/70	5050	5.00	12.4	48 F	8.0		--	--	4.0	--	.0	104	--	2.3	.1	.00	--		95	350E
1045	5050	534	110	9 C	7.8	195			.17		.00	1.71		.06	.00		--			
									9			88		3						
03/06/70	5050	4.87	12.9	48 F	8.0		--	--	4.9	--	.0	114	--	2.6	.2	.10	--		100	120E
1120	5050	410	114	9 C	8.0	215			.21		.00	1.87		.07	.00		--			
									10			87		3						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
A3	2120.00				THOMES CREEK AT PASKENTA									CONTINUED						
04/03/70	5050	4.43	11.7	53 F	8.0		--	--	4.8	--	.0	117	--	4.5	.1	.00	--		110	15E
1130	5050	208	111	12 C	8.3	228			.21		.00	1.92		.13	.00		--			
									9			84		6						
05/06/70	5050	4.51	11.3	54 F	8.0		26	7.5	5.3	.8	.0	100	19	2.0	.1	.00	--	111	96	35E
1020	5050	388	108	12 C	8.0	210	1.30	.62	.23	.02	.00	1.64	.40	.06	.00		--	111	14	
							60	29	11	1		78	19	3						
06/05/70	5050	3.98	9.1	71 F	8.0		--	--	4.8	--	.0	114	--	5.2	.0	.10	--		115	1E
0930	5050	82	106	22 C	8.2	241			.21		.00	1.87		.15	.00		--			
									9			78		6						
07/02/70	5050	5.73	10.6	79 F	8.4		--	--	8.7	--	2.0	139	--	7.9	.1	.10	--		155	1E
1015	5050	25	133	26 C	8.4	334			.38		.07	2.28		.22	.00		--			
									11		2	68		7						
08/07/70	5050	2.90	10.8	75 F	8.4		--	--	12	--	.0	121	--	17	.4	.20	--		165	2E
1015	5050	7.4	130	24 C	7.9	376			.52		.00	1.98		.48	.01		--			
									14			53		13						
09/03/70	5050	2.95	11.4	77 F	8.5		--	--	14	--	.0	97	--	25	.1	.20	--		169	2E
1115	5050	5.7	140	25 C	8.3	388			.61		.00	1.59		.71	.00		--			
									16			41		18						
A3	3110.00				ELDER CREEK NEAR PASKENTA															
01/05/70	5050	1.66	14.2	38 F	8.0		--	--	14	--	.0	159	--	22	--	.10	--		149	2E
1320	5050	51	108	3 C	8.0	331			.61		.00	2.61		.62			--			
									18			79		19						
05/06/70	5050	1.67	10.6	62 F	8.2		26	23	13	1.3	.0	189	9.7	17	.1	.00	--	182	161	2E
1125	5050	44	110	17 C	8.3	344	1.30	1.89	.57	.03	.00	3.10	.20	.48	.00		--	185	5	
							34	50	15	1		82	5	13						
09/03/70	5050	1.12	10.8	72 F	8.5		37	34	89	1.3	.0	171	8.1	195	.1	.10	--	456	232	4E
1030	5050	2.3	128	22 C	8.3	910	1.85	2.79	3.87	.03	.00	2.80	.17	5.50	.00		--	450	92	
							22	33	45			33	2	65						
A3	6130.00				CLEAR CREEK NEAR IGO															
01/07/70	5050	2.55	13.3	43 F	7.3		--	--	3.8	--	.0	44	--	3.9	--	.00	--		36	2E
1210	5050	69	109	6 C	7.5	90			.17		.00	.72		.11			--			
									19			80		12						
05/07/70	5050	2.48	12.2	54 F	7.4		5.4	5.5	3.4	.6	.0	46	2.1	1.2	.0	.00	--	72	36	2E
1120	5050	64	116	12 C	7.8	85	.27	.45	.15	.02	.00	.75	.04	.03	.00		--	41	2	
							30	51	17	2		91	5	4						
09/03/70	5050	2.38	10.6	56.3F	7.4		5.4	6.0	2.4	.6	.0	47	1.0	2.1	.0	.00	--	53	38	10E
0830	5050	48	104	13.5C	7.4	84	.27	.49	.10	.02	.00	.77	.02	.06	.00		--	41	1	
							31	56	11	2		91	2	7						
A4	1110.00				BUTTE CREEK NEAR CHICO															
11/05/69	5050	2.39	11.6	54 F	7.7		--	--	3.9	--	.0	62	--	2.8	--	.10	--		49	36E
1550	5050	403	109	12 C	7.0	112			.17		.00	1.02		.08			--			
									15			91		7						
01/07/70	5050	2.20	14.7	41 F	7.2		--	--	2.8	--	.0	47	--	.5	--	.00	--		35	2E
1700	5050	306	116	5 C	7.3	81			.12		.00	.77		.01			--			
									15			95		1						
03/04/70	5050	3.04	13.3	47 F	7.0		--	--	2.3	--	.0	38	--	.0	--	.10	--		31	10E
1555	5050	1200	114	8 C	7.5	69			.10		.00	.62		.00			--			
									14			90								
05/07/70	5050	1.81	11.8	56 F	7.5		8.6	3.8	2.8	.9	.0	48	.3	.0	.1	.00	--	57	37	4E
1100	5050	320	113	13 C	7.6	81	.43	.31	.12	.02	.00	.79	.01	.00	.00		--	41	3	
							49	35	14	2		99	1							
07/14/70	5050	1.35	9.6	71 F	8.0		--	--	3.8	--	.0	62	--	.2	--	.00	--		45	1E
1200	5050	149	109	22 C	7.9	104			.17		.00	1.02		.01			--			
									16			98		1						
09/04/70	5050	1.27	10.9	59 F	7.6		--	--	3.8	--	.0	64	--	.4	--	.10	--		53	1E
1000	5050	135	108	15 C	7.9	109			.17		.00	1.05		.01			--			
									16			96		1						
A4	2110.00				BIG CHICO CREEK NEAR CHICO															
11/05/69	5050	3.11	12.0	55 F	8.0		--	--	9.6	--	.0	92	--	8.0	--	.20	--		70	14E
1500	5050	198	114	13 C	7.2	180			.42		.00	1.51		.23			--			
									23			84		13						
01/07/70	5050	2.22	14.8	41 F	7.4		--	--	7.8	--	.0	72	--	6.1	--	.10	--		54	2E
1610	5050	68	117	5 C	7.5	140			.34		.00	1.18		.17			--			
									24			84		12						
03/04/70	5050	4.58	13.3	47 F	7.4		--	--	3.5	--	.0	43	--	1.4	--	.10	--		32	20E
1450	5050	621	114	8 C	7.6	80			.15		.00	.71		.04			--			
									19			89		5						
05/06/70	5050	2.35	10.9	61 F	8.2		14	6.8	10	1.4	.0	88	3.4	5.8	.1	.00	--	108	63	1E
1500	5050	52	111	16 C	8.0	164	.70	.56	.44	.04	.00	1.44	.07	.16	.00		--	86	9	
							40	.32	25	2		86	4	10						
07/14/70	5050	2.24	9.3	75 F	8.2		--	--	14	--	.0	104	--	9.3	--	.10	--		76	1E
1130	5050	30	110	24 C	8.1	200			.61		.00	1.71		.26			--			
									31			86		13						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP /	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F / SIO2	TDS SUM	TH NCH	TURB
	A4	2110.00			BIG CHICO CREEK NEAR CHICO									CONTINUED						
09/04/70	5050	2.17	9.8	64 F	8.4		--	--	14	--	1.0	111	--	13	--	.30	--		77	1E
1100	5050	24	103	18 C	8.4	211			.61		.03	1.82		.37			--			
									29		1	86		18						
	A4	4110.00			MILL CREEK NEAR MOUTH NEAR LOS MOLINOS															
11/12/69	5050		11.1	56 F	7.7		--	--	16	--	.0	57	--	21	--	.60	--		54	3E
1145	5050	148	107	13 C	7.4	194			.70		.00	.93		.59			--			
									36			48		30						
01/05/70	5050		14.6	37 F	7.3		--	--	12	--	.0	47	--	13	--	.40	--		40	3E
1040	5050	201	109	3 C	7.4	139			.52		.00	.77		.37			--			
									37			55		27						
03/06/70	5050		13.9	50 F	7.3		--	--	7.2	--	.0	46	--	6.7	--	.20	--		34	5E
1215	5050	507	124	10 C	7.6	108			.31		.00	.75		.19			--			
									29			69		18						
05/06/70	5050		11.4	56 F	7.1		8.6	4.2	10	1.6	.0	37	14	8.6	.1	.30	--	94	39	30E
0845	5050	388	109	13 C	7.4	126	.43	.35	.44	.04	.00	.61	.29	.24	.00		--	66	9	
							34	28	35	3		54	25	21						
07/02/70	5050		9.5	75 F	8.0		--	--	10	--	.0	40	--	8.9	--	.20	--		36	2E
1150	5050	276	112	24 C	7.8	144			.44		.00	.66		.25			--			
									31			46		17						
09/03/70	5050		11.6	79.7F	8.4		13	6.9	14	2.5	.0	71	15	17	.0	.50	--	137	61	7E
1510	5050	113	148	26.5C	8.3	201	.65	.57	.61	.06	.00	1.16	.31	.48	.00		--	104	3	
							34	30	32	3		59	16	25						
	A4	5110.50			ANTELOPE CREEK NEAR RED BLUFF															
01/05/70	5050		13.8	35 F	7.3		--	--	6.0	--	.0	60	--	5.5	--	.10	--		41	2E
0930	5050	105	100	2 C	7.3	108			.26		.00	.98		.16			--			
									24			91		15						
05/06/70	5050		12.5	60 F	7.5		9.1	5.7	7.5	1.0	.0	66	.0	4.1	.1	.10	--	93	46	2E
0740	5050	87	126	16 C	7.8	126	.45	.47	.33	.03	.00	1.08	.00	.12	.00		--	61	8	
							35	37	26	2		90		10						
	A4	7110.00			BATTLE CREEK NEAR COTTONWOOD															
01/07/70	5050	4.27	13.0	43 F	7.3		--	--	6.6	--	.0	73	--	2.0	--	.00	--		48	2E
1040	5050	472	105	6 C	7.6	124			.29		.00	1.20		.06			--			
									23			97		5						
05/07/70	5050	2.04	11.7	54 F	7.5		8.1	6.1	7.2	1.7	.0	71	1.6	.5	.3	.00	--	91	45	2E
0945	5050	449	110	12 C	7.9	119	.40	.50	.31	.04	.00	1.16	.03	.01	.00		--	61	13	
							32	40	25	3		97	3	1						
	A4	8110.00			COW CREEK NEAR MILLVILLE															
01/07/70	5050	3.39	13.6	39 F	7.1		--	--	5.9	--	.0	58	--	5.1	--	.00	--		48	3E
1310	5050	365	104	4 C	7.4	122			.26		.00	.95		.14			--			
									21			78		11						
05/07/70	5050	3.33	10.9	66 F	7.6		11	6.4	7.2	1.0	.0	74	3.3	2.6	.0	.00	--	113	55	6E
1315	5050	221	117	19 C	8.0	137	.55	.53	.31	.03	.00	1.21	.07	.07	.00		--	69	7	
							39	37	22	2		90	5	5						
09/02/70	5050	2.71	9.1	79 F	7.8		17	7.7	8.9	1.7	.0	100	.3	5.9	.5	.00	--	123	74	25E
1330	5050	35	115	26 C	8.0	183	.85	.63	.39	.04	.00	1.64	.01	.17	.01		--	92	8	
							45	33	20	2		90	1	9	1					
	A5	5486.55			FREEMAN CREEK NEAR LAKE DAVIS															
06/22/70	5050		6.8	78 F	8.1	122	--	--	--	--	.0	69	--	.0	--	--	--		50	
1630	5050		102	26 C	8.3	112					.00	1.13		.00			--			
												101								
	A5	5488.01			BIG GRIZZLY CK ABOVE OLDHOUSE CK ABOVE LAKE DAVIS															
06/22/70	5050		6.2	79 F	7.5	100	--	--	--	--	.0	64	--	.0	--	--	--		45	
1830	5050		95	26 C	7.7	104					.00	1.05		.00			--			
												101								
	A5 C	932.0	128.9		PALERMO CANAL OUTLET FROM LAKE OROVILLE															
03/04/70	5050		11.8	45.0F	7.1	80	7.8	.8	2.5	--	.0	40	4.4	.6	--	.00	.0	65	23	
0715	5050		101	7.2C	7.8	73	.39	.07	.11		.00	.66	.09	.02			--	36	10	
							53	10	15			90	12	3						
	A5 R	010.8	036.3		ANTELOPE LAKE AT EAST END OF DAM															
10/08/69	5050		7.3	56 F	7.5		--	--	--	--	--	--	--	--	--	--	--			
0815			85	13 C													--			
05/06/70	5050		9.7	54 F	7.6	80	--	--	--	--	--	--	--	--	--	--	--			
1230			111	12 C													--			
09/23/70	5050		6.7	60 F	7.3	63	--	--	--	--	--	--	--	--	--	--	--			
1325			82	16 C													--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
A5 R 011.3 034.1 ANTELOPE LAKE AT ANTELOPE CREEK BRIDGE																				
10/08/69	5050		7.7	56 F	7.3	90	--	--	--	--	--	--	--	--	--	--	--			
0925			90	13 C													--			
05/06/70	5050			59 F	7.4	75	--	--	--	--	--	--	--	--	--	--	--			
1305				15 C													--			
09/23/70	5050		8.0	72 F	7.3	59	--	--	--	--	--	--	--	--	--	--	--			
1350			113	22 C													--			
A5 R 011.7 036.5 ANTELOPE LAKE AT LONE ROCK CAMPGROUND																				
10/08/69	5050		7.3	56 F	7.6		--	--	--	--	--	--	--	--	--	--	-	850		
05/06/70	5050		9.4	56 F	8.2	70	--	--	--	--	--	--	--	--	--	--	--			
1345			110	13 C													--			
09/23/70	5050		7.3	64 F	7.3	54	--	--	--	--	--	--	--	--	--	--	--			
1425			93	18 C													--			
A5 R 932.7 128.5 LAKE OROVILLE NEAR OROVILLE DAM (STATION 1)																				
10/21/69	5050		9.0	63.2F	7.4		--	--	--	--	--	--	--	--	--	--	--			
1250	5050		116	17.3C		88											--			
A5 R 933.1 125.7 LAKE OROVILLE AT BIDWELL BAR BRIDGE (STATION 3)																				
10/21/69	5050		8.2	63.3F	7.3		--	--	--	--	--	--	--	--	--	--	--			
1115	5050		106	17.4C		86											--			
A5 R 937.0 129.3 LAKE OROVILLE IN NORTH FORK ARM (STATION 2)																				
10/21/69	5050		8.6	62.2F	7.4		--	--	--	--	--	--	--	--	--	--	--			
0815	5050		110	16.8C		90											--			
A5 R 952.8 028.2 LAKE DAVIS OUTLET TO GRIZZLY CREEK																				
05/26/70	5050			58 F			8.8	2.9	2.8	1.7	.0	47	1.2	.2	.0	.10	--	49	34	
1645	5050			14 C			.44	.24	.12	.04	.00	.77	.02	.01	.00		--	41	5	
							52	29	14	5		96	3	1						
06/22/70	5050			58 F	7.5		--	--	--	--	.0	48	--	.0	--	--	--		37	
1325	5050			14 C	7.7	81					.00	.79		.00			--			
												98								
07/21/70	5050		7.8	65 F	7.5	85	--	--	--	--	.0	49	--	1.0	--	--	--		35	
1500	5050		102	18 C	7.3	84					.00	.80		.03			--			
												95		4						
08/25/70	5050		7.4	69 F	7.4	95	--	--	--	--	.0	54	--	.0	--	--	--		40	
1845	5050		101	21 C	7.4	91					.00	.89		.00			--			
												98								
09/22/70	5050		8.2	58.5F	7.3	100	--	--	--	--	.0	51	--	--	--	--	--		43	
1635	5050		100	14.7C	7.7	93					.00	.84					--			
												90								
A5 R 953.0 028.4 LAKE DAVIS AT NORTHEAST END OF DAM																				
10/07/69	5050		6.8	59 F	7.3	92	--	--	--	--	--	--	--	--	--	--	--			
1120			83	15 C													--			
05/06/70	5050		9.7	51 F	7.4	84	--	--	--	--	--	--	--	--	--	--	--			
1005			106	11 C													--			
A5 R 953.0 028.6 LAKE DAVIS NEAR DAM																				
05/26/70	5050		8.7	64.6F	7.5	79	8.2	3.3	2.8	1.6	.0	47	.5	.6	.1	.10	--	68	34	
1400	5050	1	114	18.1C	7.9	80	.41	.27	.12	.04	.00	.77	.01	.02	.00		--	41	5	
							49	32	14	5		96	1	3						
05/26/70	5050		8.8	53.4F	7.3	78	--	--	--	--	--	--	.8	.3	--	--	--		33	
1430	5050	25	100	11.9C		78							.02	.01			--			
													3	1						
05/26/70	5050		5.1	44.8F	7.0	77	--	--	--	--	--	--	1.0	.5	--	--	--		33	
1500	5050	75	52	7.1C		79							.02	.01			--			
													3	1						
06/24/70	5050		8.4	68.4F	8.5		--	--	--	--	--	--	--	--	--	--	--			
0810	5050	5	115	20.2C		79											--			
06/24/70	5050		0.2		6.8		--	--	--	--	--	--	--	--	--	--	--			
0845	5050	85				85											--			
07/21/70	5050		8.4	72.3F		85	--	--	--	--	--	--	--	--	--	--	--			
1135	5050		120	22.4C		83											--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
A5 R 953.0 028.6 LAKE DAVIS NEAR DAM CONTINUED																				
08/25/70	5050		6.3	70.3F	7.5	88	--	--	--	--	--	--	--	--	--	--	--			
1705	5050	1	88	21.3C		87											--			
08/25/70	5050			68.2F		86	--	--	--	--	--	--	--	--	--	--	--			
1725		12		20.1C													--			
08/25/70	5050			56.1F		86	--	--	--	--	--	--	--	--	--	--	--			
1735		33		13.4C													--			
09/22/70	5050		5.8	60.4F	7.3	90	--	--	--	--	--	--	--	--	--	--	--			
1445	5050	1	72	15.8C		94											--			
09/22/70	5050		5.9	58.6F	7.3	89	--	--	--	--	--	--	--	--	--	--	--			
1455		12	72	14.8C													--			
09/22/70	5050		4.9	57.9F	7.1	90	--	--	--	--	--	--	--	--	--	--	--			
1505		32	59	14.4C													--			
09/22/70	5050		0.0	46.2F	7.1	92	--	--	--	--	--	--	--	--	--	--	--			
1520		72		7.9C													--			
A5 R 953.6 011.4 FRENCHMAN LAKE AT WEST END OF DAM																				
10/07/69	5050			58 F	8.1	120	--	--	--	--	--	--	--	--	--	--	--			
0750				14 C													--			
05/06/70	5050		9.9	50 F	7.6	110	--	--	--	--	--	--	--	--	--	--	--			
0705			108	10 C													--			
09/23/70	5050		7.9	59 F	7.8	63	--	--	--	--	--	--	--	--	--	--	--			
0850			97	15 C													--			
A5 R 954.9 010.9 FRENCHMAN LAKE AT CRYSTAL SPRINGS CAMPGROUND																				
10/07/69	5050		7.3	58 F	8.1	110	--	--	--	--	--	--	--	--	--	--	--			
0830			87	14 C													--			
05/06/70	5050		9.7	50 F		75	--	--	--	--	--	--	--	--	--	--	--			
0740			106	10 C													--			
09/23/70	5050		7.8	59 F	7.8	63	--	--	--	--	--	--	--	--	--	--	--			
0920			95	15 C													--			
A5 R 954.9 030.3 LAKE DAVIS MIDLAKE																				
05/26/70	5050		8.6	61.7F	7.7	79	8.8	2.9	2.8	1.8	.0	47	.6	.8	.0	.10	--	56	34	
1035	5050	1	109	16.5C	7.7	79	.44	.24	.12	.05	.00	.77	.01	.02	.00		--	41	5	
							52	28	14	6		96	1	3						
05/26/70	5050		8.6	52.9F	7.3	78	--	--	--	--	--	--	.6	.3	--	--	--		34	
1055	5050	22	97	11.6C		79							.01	.01			--			
													1	1						
06/24/70	5050		0.2	52.1F			--	--	--	--	--	--	--	--	--	--	--			
1015	5050	38	2	11.2C		84											--			
06/24/70	5050		8.0	68.4F			--	--	--	--	--	--	--	--	--	--	--			
1040	5050	5	109	20.2C		80											--			
07/21/70	5050		7.9	72.3F		86	--	--	--	--	--	--	--	--	--	--	--			
1315	5050	1	113	22.4C		84											--			
08/25/70	5050		6.3	68.4F	7.9	87	--	--	--	--	--	--	--	--	--	--	--			
1335	5050	1	86	20.2C		89											--			
08/25/70	5050		0.0	56.1F	6.9	89	--	--	--	--	--	--	--	--	--	--	--			
1455	5050	36		13.4C		96											--			
09/22/70	5050		6.9	60.1F	7.3	93	--	--	--	--	--	--	--	--	--	--	--			
1300	5050	1	86	15.6C		93											--			
09/22/70	5050		4.8	57.6F	6.9	90	--	--	--	--	--	--	--	--	--	--	--			
1310		40	58	14.2C													--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
A5 R 954.9 032.1 LAKE DAVIS IN COW CREEK CHANNEL																				
06/24/70	5050		9.2	75 F	8.0	112	--	--	--	--	--	--	--	--	--	--	--			
1125	5050	0.5	133	24 C		116											--			
A5 R 955.3 033.0 LAKE DAVIS IN FREEMAN CREEK CHANNEL																				
06/24/70	5050		7.8	74 F	8.0	120	--	--	--	--	--	--	--	--	--	--	--			
1230	5050	0.5	113	23 C		118											--			
A5 R 955.7 033.7 LAKE DAVIS IN GRIZZLY CREEK CHANNEL																				
06/24/70	5050		7.8	75 F	7.5	107	--	--	--	--	--	--	--	--	--	--	--			
1400	5050	0.5	113	24 C		110											--			
A5 R 955.8 030.4 LAKE DAVIS OPPOSITE MT. NICHOLS LOGGING ROAD																				
10/07/69			7.3	62 F	7.5	90	--	--	--	--	--	--	--	--	--	--	--			
1255	5050		91	17 C													--			
A5 R 955.9 031.3 LAKE DAVIS NEAR NORTH END																				
05/26/70	5050		8.4	61.7F	7.7	77	8.2	3.3	2.8	1.4	.0	47	1.0	.0	.1	.10	--	62	34	
0800	5050	1	106	16.5C	7.7	79	.41	.27	.12	.04	.00	.77	.02	.00	.00		--	40	5	
							49	32	14	5		97	3							
05/26/70	5050		9.1	57.5F	7.7	76	--	--	--	--	--	--	1.0	.6	--	--	--		33	
0805	5050	13	109	14.2C		78							.02	.02			--			
													3	3						
06/24/70	5050			71.1F			--	--	--	--	--	--	--	--	--	--	--			
1500	5050	1		21.7C		80											--			
07/21/70	5050		7.2	72.7F	9.0	85	--	--	--	--	--	--	--	--	--	--	--			
0820	5050	1	103	22.6C		85											--			
07/21/70	5050		6.6	72.3F	8.7	85	--	--	--	--	--	--	--	--	--	--	--			
0900	5050	13	94	22.4C		86											--			
08/25/70	5050		6.0	68.2F	7.3	95	--	--	--	--	--	--	--	--	--	--	--			
0930	5050	1	82	20.1C		92											--			
08/25/70	5050		6.0	65.7F	7.8	95	--	--	--	--	--	--	--	--	--	--	--			
0950	5050	13	80	18.7C		92											--			
09/22/70	5050			58.2F	7.5	91	--	--	--	--	--	--	--	--	--	--	--			
1145	5050	1		14.5C		94											--			
09/22/70	5050		7.5	56.7F	7.5	91	--	--	--	--	--	--	--	--	--	--	--			
1200	5050	12	89	13.7C		96											--			
A5 R 956.1 031.3 LAKE DAVIS AT VALLEY VISTA RECREATION AREA																				
05/06/70	5050		9.0	54 F	7.6	70	--	--	--	--	--	--	--	--	--	--	--			
0930			103	12 C													--			
A5 R 956.9 012.3 FRENCHMAN LAKE NEAR UPPER END																				
10/07/69	5050		7.3	56 F	8.7	11	--	--	--	--	--	--	--	--	--	--	--			
0900			85	13 C													--			
05/06/70	5050		9.7	51 F	8.0	75	--	--	--	--	--	--	--	--	--	--	--			
0805			106	11 C													--			
09/23/70	5050		8.3	61 F	8.0	61	--	--	--	--	--	--	--	--	--	--	--			
0955			104	16 C													--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
	A7	1114.01			WILLOW CREEK AT NATOMA															
10/27/69	5050		9.8	57 F	6.8	65	5.8	2.5	3.5	--	.0	34	--	1.9	--	--	--		25	SE
0815	5050		94	14 C	7.2	66	.29	.21	.15		.00	.56		.05			--		3	
							44	32	23			85		8						
	A7	2160.01			AMERICAN RIVER NORTH FORK AT AUBURN DAM SITE															
10/23/69	5050		11.1	55 F	7.2	52	6.4	1.0	1.5	--	.0	24	--	2.3	--	--	--		20	1E
0830	5050		105	13 C	7.3	52	.32	.08	.07		.00	.39		.06			--		1	
							62	15	13			75		12						
	A7	2190.01			AMERICAN RIVER N F ABOVE MIDDLE FORK AT AUBURN															
10/26/69	5050		11.0	58 F	7.6	115	14	3.2	2.8	--	.0	54	--	3.6	--	--	--		48	1E
1445	5050	50	109	14 C	7.7	114	.70	.26	.12		.00	.89		.10			--		4	
							61	23	11			78		9						
	A7	2250.01			AMERICAN RIVER N F AT PONDEROSA BRIDGE NR APPLEGATE															
10/22/69	5050		11.2	58 F	7.6	130	15	4.2	3.2	--	.0	58	--	4.4	--	--	--		55	1E
1520	5050	100	112	14 C	7.9	126	.75	.35	.14		.00	.95		.12			--		8	
							60	28	11			75		10						
	A7	2301.01			BUNCH CANYON AT MOUTH NEAR COLFAX															
10/22/69	5050		10.8	54 F	7.5	220	16	7.5	11	--	.0	63	--	21	--	--	--		71	2E
1330	5050	4.0	104	12 C	7.8	209	.80	.62	.48		.00	1.03		.59			--		20	
							38	30	23			49		28						
	A7	2350.00			AMERICAN RIVER NORTH FORK NEAR COLFAX															
10/22/69	5050		11.2	56 F	7.6	135	15	4.5	3.2	--	.0	58	--	5.7	--	--	--		56	2E
1345	5050	100	110	13 C	7.8	129	.75	.37	.14		.00	.95		.16			--		9	
							58	29	11			74		12						
	A7	2358.01			SHIRTTAIL CANYON ABOVE DEVILS CANYON															
10/22/69	5050		11.2	51 F	7.5	120	10	6.1	3.0	--	.0	57	--	3.0	--	--	--		50	1E
1300	5050	30	103	11 C	7.9	117	.50	.50	.13		.00	.93		.08			--		4	
							43	43	11			79		7						
	A7	2500.01			AMERICAN RIVER NORTH FORK AT COLFAX															
10/22/69	5050		11.6	50 F	7.6	135	16	4.9	3.2	--	.0	60	--	5.6	--	--	--		60	1E
0900	5050		107	10 C	7.9	128	.80	.40	.14		.00	.98		.16			--		11	
							63	31	11			77		13						
	A7	2530.01			AMERICAN RIVER NORTH FORK NEAR MONONA FLAT															
10/23/69	5050		11.4	52 F	7.6	145	18	3.4	3.2	--	.0	62	--	6.2	--	--	--		59	1E
1230	5050	30	108	11 C	7.9	138	.90	.28	.14		.00	1.02		.17			--		8	
							65	20	10			74		12						
	A7	2605.01			BLUE CANYON AT MOUTH NEAR BAXTER															
10/26/69	5050		11.0	49 F	7.5	90	11	3.0	3.2	--	.0	45	--	3.1	--	--	--		40	2E
1130	5050	5.0	102	9 C	7.9	99	.55	.25	.14		.00	.74		.09			--		3	
							56	25	14			75		9						
	A7	2620.01			AMERICAN RIVER NF OF NF ABOVE BLUE CANYON															
10/26/69	5050		11.3	48 F	7.4	72	10	2.1	2.1	.4	.0	40	2.0	1.0	.0	.00	--	42	34	1E
1215	5050	30	102	9 C	7.9	74	.50	.17	.09	.01	.00	.66	.04	.03	.00		--	38	1	
							65	22	12	1		90	5	4						
	A7	2650.01			AMERICAN RIVER EF OF NF OF NF AT TUNNEL MILL CAMPGND															
10/23/69	5050		10.7	45 F	7.4	80	12	1.7	.8	--	.0	45	--	.6	--	--	--		37	1E
1545	5050		103	7 C	7.7	78	.60	.14	.03		.00	.74		.02			--		0	
							77	18	4			95		3						
	A7	2672.01			AMERICAN RIVER NF OF NF NEAR EMIGRANT GAP															
10/23/69	5050		10.3	48 F	7.1	40	3.4	1.6	1.0	--	.0	22	--	.5	--	--	--		15	1E
1515	5050	4.0	103	9 C	7.3	39	.17	.13	.04		.00	.36		.01			--		3	
							44	33	10			92		3						
	A7	2825.01			AMERICAN RIVER NORTH FORK AT THE CEDARS															
10/24/69	5050		10.9	42 F	7.2	90	9.5	1.1	5.5	--	.0	41	--	5.7	--	--	--		28	1E
0945	5050	10	105	6 C	7.8	89	.47	.09	.24		.00	.67		.16			--		6	
							53	10	27			75		18						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER									MILLIGRAMS PER LITER				
							MILLIEQUIVALENTS PER LITER													
							PERCENT REACTANCE VALUE													
	A7	3100.00			AMERICAN RIVER MIDDLE FORK NEAR AUBURN															
10/26/69	5050		11.1	42	F 7.0	46	4.6	.7	1.8	.9	.0	19	1.6	1.2	.0	1.00	--	28	15	0.9E
1515	5050		88	6	C 7.3	40	.23	.06	.08	.02	.00	.31	.03	.03	.00		--	21	1	
							59	15	21	5		84	8	8						
	A7	3175.01			AMERICAN RIVER MIDDLE FORK AT GREENWOOD BRIDGE															
10/22/69	5050		11.3	55	F 7.2	58	4.1	1.0	1.4	--	.0	19	--	.6	--	--	--		14	1E
1030	5050	200	108	13	C 7.4	39	.20	.08	.06		.00	.31		.02			--		2	
							51	21	15			79		5						
	A7	3200.00			CANYON CREEK NEAR GEORGETOWN															
10/26/69	5050		10.8	50	F 6.9	60	5.3	2.7	1.8	--	.0	27	--	.9	--	--	--		24	2E
1840	5050	5.5	96	10	C 7.6	62	.26	.22	.08		.00	.44		.03			--		2	
							42	35	13			71		5						
	A7	3280.00			AMERICAN RIVER NF OF MF NEAR FORESTHILL															
10/22/69	5050	4.15	11.0	53	F 7.2	80	8.3	1.3	1.5	--	.0	31	--	.6	--	--	--		26	1E
1415	5050		100	12	C 7.6	66	.41	.11	.07		.00	.51		.02			--		1	
							62	17	11			77		3						
	A7	3273.01			AMERICAN RIVER MF ABOVE RUBICON RIVER															
10/22/69	5050		11.2	53	F 7.4	120	16	1.0	1.8	--	.0	46	--	2.1	--	--	--		44	1E
1545	5050	9.5	102	12	C 7.9	101	.80	.08	.08		.00	.75		.06			--		7	
							79	8	8			74		6						
	A7	3800.10			AMERICAN RIVER MF BELOW FRENCH MEADOWS DAM															
10/23/69	5050		10.5	43	F 6.8	26	2.5	1.5	.9	--	.0	14	--	.2	--	--	--		12	2E
1500	5050	12	100	6	C 7.4	26	.12	.12	.04		.00	.23		.01			--		1	
							46	46	15			88		4						
	A7	4080.01			AMERICAN RIVER SOUTH FORK NEAR PILOT HILL															
10/22/69	5050		11.1	51	F 6.8	38	3.6	1.2	1.8	--	.0	17	--	.9	--	--	--		14	35E
0810	5050		100	11	C 6.9	39	.18	.10	.08		.00	.28		.03			--		0	
							46	26	21			72		8						
	A7	4100.10			WEBER CREEK BELOW PINEHEM CREEK															
10/22/69	5050		10.8	53	F 7.3	142	12	6.1	8.1	--	.0	75	--	7.1	--	--	--		55	4E
1225	5050		100	12	C 7.7	145	.60	.50	.35		.00	1.23		.20			--		7	
							41	34	24			85		14						
	A7	4150.00			AMERICAN RIVER SOUTH FORK NEAR LOTUS															
10/22/69	5050		11.1	50	F 6.8	36	2.7	.8	1.8	--	.0	17	--	1.5	--	--	--		10	25E
0940	5050		101	10	C 6.9	31	.13	.07	.08		.00	.28		.04			--		4	
							42	23	26			90		13						
	A7	4162.01			GRANITE CREEK AT LOTUS															
10/22/69	5050		9.3	55	F 7.3	310	18	24	14	--	.0	190	--	12	--	--	--		146	2E
1130	5050		87	13	C 8.3	321	.90	2.01	.61		.00	3.12		.34			--		11	
							28	63	19			97		11						
	A7	4170.00			AMERICAN RIVER SOUTH FORK AT COLOMA															
10/22/69	5050		11.1	55	F 6.8	36	3.3	.9	1.8	.6	.0	14	--	1.2	.0	.00	--	28	11	9E
0940	5050		106	13	C 7.0	32	.16	.07	.08	.02	.00	.23		.03	.00		--		0	
							48	21	24	6		72		9						
	A7	4200.00			AMERICAN RIVER SF NEAR PLACERVILLE															
10/22/69	5050		10.6	51	F 6.8	36	2.5	.7	1.3	--	.0	13	--	1.3	--	--	--		9	35E
1415	5050		94	11	C 6.9	26	.12	.06	.06		.00	.21		.04			--		2	
							46	23	23			81		15						
	A7	4242.01			ROCK CREEK NEAR MOSQUITO CAMP															
10/22/69	5050		10.7	50	F 7.0	60	5.7	2.2	2.6	--	.0	29	--	2.4	--	--	--		23	6E
1500	5050		95	10	C 7.3	61	.28	.18	.11		.00	.48		.07			--		1	
							46	30	18			79		11						
	A7	4320.10			AMERICAN RIVER SF ABOVE DIV DAM NEAR POLLOCK PINES															
10/23/69	5050		10.7	50	F 6.8		1.9	.1	1.0	--	.0	11	--	.0	--	--	--		5	6E
1245	5050		95	10	C 6.7	18	.09	.01	.04		.00	.18		.00			--		4	
							50	6	22			100								

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
	A7	4380.00			SILVER CREEK BELOW JUNCTION DAM NEAR RIVERTON															
10/24/69	5050		10.0	46	F 6.8	36	1.6	.0	.8	--	.0	7	--	.1	--	--	--		4	7E
1130	5050	5.5	82	8	C	15	.08	.00	.03		.00	.11		.00			--		2	
							53		20			73								
	A7	4490.01			AMERICAN RIVER SOUTH FORK AT RIVERTON															
10/23/69	5050		10.9	46	F 7.1	56	8.6	1.6	6.7	--	.0	29	--	14	--	--	--		28	3E
1340	5050	20	100	8	C 7.5	95	.43	.13	.29		.00	.48		.39			--		4	
							45	14	31			51		41						
	A7	4580.01			AMERICAN RIVER SILVER FORK OF SF AT MOUTH															
10/23/69	5050		10.9	46	F 6.8	36	2.2	--	1.8	--	.0	15	--	1.4	--	--	--			4E
1430	5050	25	103	8	C 6.9	25	.11		.08		.00	.25		.04			--			
							44		32			100		16						
	A7	4692.01			AMERICAN RIVER SF AT SILVER FORK															
10/23/69	5050		10.3	49	F 6.8	36	2.5	.2	3.8	--	.0	10	--	3.6	--	--	--		7	7.4E
1500	5050	60	89	9	C 6.5	33	.12	.02	.17		.00	.16		.10			--		1	
							36	6	52			48		30						
	A7	4726.01			STRAWBERRY CREEK AT SCIOTS CAMP															
10/24/69	5050		11.0	38	F 7.0	40	4.0	.5	2.9	--	.0	21	--	1.1	--	--	--		12	2E
0900	5050	2.5	82	3	C 7.3	39	.20	.04	.13		.00	.34		.03			--		5	
							51	10	33			87		8						
	A7	4727.01			AMERICAN RIVER SF AT 42 MILE CAMP															
10/24/69	5050		10.6	40	F 6.8		1.6	.7	2.0	--	.0	9	--	2.1	--	--	--		7	2E
0845	5050	40	81	4	C 6.8	18	.08	.06	.09		.00	.15		.06			--		1	
							44	33	50			83		33						
	A7	5050.01			RUBICON RIVER BEL RALSTON POWERHOUSE NR FORESTHILL															
10/22/69	5050		11.4	56	F 7.2	50	3.5	.6	1.1	--	.0	15	--	1.3	--	--	--		11	1E
1515	5050		113	13	C 7.3	32	.17	.05	.05		.00	.25		.04			--		2	
							53	16	16			78		13						
	A7	5117.01			LONG CANYON AT RAMSEY CROSSING															
10/24/69	5050		11.1	42	F 7.0	46	4.2	1.1	3.1	--	.0	24	--	1.7	--	--	--		15	1E
0915	5050		98	6	C 7.5	50	.21	.09	.13		.00	.39		.05			--		5	
							42	18	26			78		10						
	A7	5200.00			PILOT CREEK NEAR GEORGETOWN															
10/26/69	5050		10.4	45	F 6.6	20	1.9	.6	.6	--	.0	10	--	.3	--	--	--		7	1E
1710	5050	10	99	7	C 7.1	20	.09	.05	.03		.00	.16		.01			--		1	
							45	25	15			80		5						
	A7	5250.10			RUBICON RIVER AT ELLICOTT ROAD															
10/24/69	5050		10.4	50	F 7.0	54	5.2	.5	3.4	--	.0	16	--	7.8	--	--	--		15	1E
1510	5050	17	92	10	C 7.3	59	.26	.04	.15		.00	.26		.22			--		2	
							44	7	25			44		37						
	A7	5310.00			RUBICON RIVER BELOW HELL HOLE DAM															
10/24/69	5050		9.5	50	F 6.8	34	4.0	.5	1.9	--	.0	16	--	.7	--	--	--		12	2E
1300	5050	12	98	10	C 7.2	33	.20	.04	.08		.00	.26		.02			--		1	
							61	12	24			79		6						

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
	A7 R	852.2 026.3			UNION VALLEY RESERVOIR AT DAM															
10/24/69	5050		7.5	58	F 6.8	36	1.3	9.5	.6	--	.0	86	--	.1	--	--	--		42	4E
1225	5050		85	14	C 6.7	13	.06	.78	.03		.00	1.41		.00			--		29	
							46	600	23			85								

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
	A8	1120.00			CACHE CREEK NEAR CAPAY															
10/03/69	5050	2.28	10.0	59	F 8.0	370	29	20	2.4	--	.0	194	--	24	--	1.20	--		156	2E
0800	5050		100	15	C 8.2	392	1.45	1.67	.10		.00	3.18		.68			--		3	
							37	43	3			81		17						
10/09/69	5050		10.1	58	F 8.0	435	--	--	--	--	--	--	--	--	--	--	--			
0900	5050		99	14	C 7.4												--			
11/12/69	5050	1.52	10.4	57	F 8.1	725	36	32	60	--	.0	245	--	90	--	--	--		222	2E
1030	5050		100	14	C 8.1	679	1.80	2.64	2.61		.00	4.02		2.54			--		21	
							27	39	38			59		37						
12/12/69	5050	1.69	10.5	56	F 8.1	800	25	57	84	--	.0	307	--	150	--	--	--		298	5E
0900	5050		101	13	C 8.0	947	1.25	4.70	3.65		.00	5.03		4.23			--		46	
							13	50	39			53		45						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP		FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
	A8	1120.00				CACHE CREEK NEAR CAPAY									CONTINUED						
01/13/70	5050	6.86	11.2	51	F	8.3	340	17	17	23	--	.0	136	--	26	--	.70	--		113	340E
1330	5050		100	11	C	7.8	352	.85	1.41	1.00		.00	2.23		.73			--		2	
								24	40	28			63		21						
01/30/70	5050	9.82	11.5	48	F	8.1	280	12	14	13	--	.0	126	--	9.7	--	.60	--		90	340E
0900	5050		98	9	C	8.0	293	.60	1.20	.57		.00	2.07		.27			--		14	
								20	41	19			71		9						
03/10/70	5050	5.37	11.1	52	F	8.2	395	27	29	24	--	.0	209	--	19	--	.90	--		190	60E
1100	5050		102	11	C	8.3	423	1.35	2.45	1.04		.00	3.43		.54			--		19	
								32	58	25			81		13						
04/09/70	5050	3.21	11.0	66	F	8.4	550	41	42	43	--	.0	311	--	43	--	1.30	--		279	10E
1320	5050		118	19	C	8.4	680	2.05	3.53	1.87		.00	5.10		1.21			--		24	
								30	52	27			75		18						
04/10/70	5050	7.29	12.5	54	F	8.0	260	15	25	7.7	--	1.0	160	--	5.0	--	--	--		142	10E
0825	5050		117	12	C	8.4	294	.75	2.09	.33		.03	2.62		.14			--		10	
								26	71	11		1	89		5						
05/19/70	5050	4.59	8.7	68	F	8.0	360	26	21	22	--	.0	187	--	22	--	1.20	--		155	5E
0845	5050		97	20	C	8.2	379	1.30	1.80	.96		.00	3.07		.62			--		2	
								34	47	25			81		16						
06/04/70	5050	3.56	10.6	81	F	8.4	300	24	18	18	--	.0	172	--	17	--	1.00	--		137	25E
1215	5050		136	27	C	8.3	343	1.20	1.54	.78		.00	2.82		.48			--		4	
								35	45	23			82		14						
07/03/70	5050		9.0	82	F	8.1	260	22	17	17	--	.0	154	--	13	--	.90	--		125	50E
1200	5050		115	28	C	8.3	296	1.10	1.40	.74		.00	2.53		.37			--		2	
								37	47	25			85		12						
08/12/70	5050	3.48	8.4	76	F	8.3	276	--	--	--	--	--	--	--	--	--	--	--			
1030			102	24	C													--			
09/14/70	5050	2.99	10.6	70	F	8.4	300	24	17	17	--	.0	157	--	16	--	.40	--		133	20E
1430	5050		121	21	C	8.2	331	1.20	1.45	.74		.00	2.57		.45			--		4	
								36	44	22			78		14						
	A8	1250.00				BEAR CREEK NEAR RUMSEY															
10/09/69	5050	1.18	11.3	56	F	8.7		--	--	640	--	.0	940	--	852	10	20	--		571	1E
0920	5050	1.9	111	13	C	8.3	3930			27.84		.00	15.42		24.03	.16		--			
										71			39		61						
11/06/69	5050	1.34	12.0	54	F	8.7		--	--	720	--	77	764	--	1080	24	22	--		618	3E
1115	5050	2.5	117	12	C	8.7	4240			31.32		2.56	12.53		30.46	.39		--			
										74		6	30		72	1					
12/04/69	5050	1.18	10.6	43	F	8.4		--	--	788	--	74	846	--	1120	30	25	--		650	2E
1245	5050	7.5	88	6	C	8.7	4700			34.28		2.46	13.87		31.58	.48		--			
										73		5	30		67	1					
01/08/70	5050	1.70	12.5	42	F	8.3		--	--	248	--	21	510	--	343	4.9	7.10	--		438	9E
1505	5050	26	102	6	C	8.4	1890			10.79		.70	8.36		9.67	.08		--			
										57		4	44		51						
02/05/70	5050	2.49	11.9	51	F	8.4		--	--	83	--	16	434	--	96	2.4	2.20	--		416	15E
1125	5050	112	110	11	C	8.4	1020			3.61		.53	7.12		2.71	.04		--			
										35		5	70		27						
03/12/70	5050	2.19	12.0	55	F	8.4		--	--	98	--	36	448	--	114	3.4	2.80	--		452	4E
1230	5050	71	116	13	C	8.7	1190			4.26		1.20	7.35		3.21	.05		--			
										36		10	62		27						
04/09/70	5050	1.94	12.3	58	F	8.3		--	--	160	--	39	568	--	185	6.3	4.50	--		532	4E
1105	5050	45	124	14	C	8.7	1560			6.96		1.30	9.32		5.22	.10		--			
										45		8	60		33	1					
05/14/70	5050	1.60	10.3	72	F	8.4		23	112	200	9.0	81	508	95	225	4.4	6.00	--	1040	518	
1310	5050	15	121	22	C	8.6	1620	1.15	9.21	8.70	.23	2.70	8.33	1.98	6.35	.07		--	1009	34	
								6	48	45	1	14	43	10	33						
06/11/70	5050	1.13	10.1	69	F	8.4		--	--	400	--	57	722	--	510	2.9	12	--		598	3E
1000	5050	5.5	115	21	C	8.6	2780			17.40		1.90	11.84		14.38	.05		--			
										63		7	43		52						
07/09/70	5050	0.89	9.5	77	F	8.2		--	--	465	--	102	682	--	623	3.5	15	--		582	2E
1045	5050	2.6	117	25	C	8.9	3200			20.23		3.40	11.18		17.57	.06		--			
										63		11	35		55						
09/17/70	5050	0.81	10.9	65	F	8.5		--	--	690	--	106	768	--	1040	3.3	24	--		648	1E
1015	5050	1.0	119	18	C	8.8	4250			30.02		3.53	12.60		29.33	.05		--			
										71		8	30		69						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	MILLIGRAMS PER LITER TDS SUM	TH NCH	TURB
	A8	1350.00			CACHE CREEK NEAR LOWER LAKE															
10/09/69	5050	1.96	9.3	60 F	7.5		--	--	9.4	--	.0	149	--	5.2	.5	.80	--		120	4E
0740	5050	97	96	16 C	7.7	276			.41		.00	2.44		.15	.01		--			
									15			88		5						
12/04/69	5050	0.37	10.4	44 F	8.1		--	--	12	--	.0	161	--	9.6	3.7	1.10	--		134	5E
1010	5050	3.3	88	7 C	7.7	306			.52		.00	2.64		.27	.06		--			
									17			86		9	2					
01/08/70	5050	0.43	11.2	43 F	7.1		--	--	9.4	--	.0	97	--	6.3	2.7	.50	--		84	50E
1350	5050	4.2	94	6 C	7.4	208			.41		.00	1.59		.18	.04		--			
									20			76		9	2					
02/05/70	5050		9.8	49 F	7.3		--	--	9.8	--	.0	142	--	6.2	2.4	.80	--		109	35E
0940	5050	3690	89	9 C	7.5	242			.43		.00	2.33		.17	.04		--			
									18			96		7	2					
03/12/70	5050	4.00	11.8	52 F	7.4		--	--	9.2	--	.0	132	--	5.1	2.1	.70	--		104	40E
1040	5050	630	111	11 C	7.7	238			.40		.00	2.16		.14	.03		--			
									17			91		6	1					
04/09/70	5050	1.95	10.6	58 F	7.7		--	--	12	--	.0	142	--	7.0	.1	.60	--		124	30E
0935	5050	117	107	14 C	7.9	280			.52		.00	2.33		.20	.00		--			
									19			83		7						
05/14/70	5050	3.24	10.6	61 F	8.0		21	12	10	1.7	.0	131	7.7	6.0	2.3	.80	--	143	102	45E
1145	5050	358	111	16 C	8.3	235	1.05	.99	.44	.04	.00	2.15	.16	.17	.04		--	127	6	
							42	39	17	2		85	6	7	2					
06/11/70	5050	3.16	9.1	67 F	7.8		--	--	9.1	--	.0	132	--	4.5	.3	.70	--		102	45E
0800	5050	330	102	19 C	7.8	230			.40		.00	2.16		.13	.00		--			
									17			94		6						
07/09/70	5050	3.75	7.8	77 F	7.6		--	--	10	--	.0	131	--	4.0	4.4	.60	--		106	15E
0930	5050	530	97	25 C	8.0	242			.44		.00	2.15		.11	.07		--			
									18			89		5	3					
08/12/70	5050	3.57	7.5	82 F	8.4		--	--	9.1	--	.0	131	--	5.0	3.9	.80	--		104	10E
1440	5050	460	98	28 C	8.0	239			.40		.00	2.15		.14	.06		--			
									17			90		6	3					
09/17/70	5050	2.85	8.6	68 F	8.4		--	--	11	--	.0	134	--	5.9	.2	.90	--		116	35E
0820	5050	254	98	20 C	7.6	252			.48		.00	2.20		.17	.00		--			
									19			87		7						
	A8	2050.00			CACHE CREEK NORTH FORK NEAR LOWER LAKE															
10/09/69	5050	0.81	10.3	57 F	8.0		--	--	37	--	.0	236	--	70	--	4.20	--		225	1E
0835	5050	2.9	103	14 C	8.3	590			1.61		.00	3.87		1.97			--			
									27			66		33						
11/06/69	5050	0.93	11.8	55 F	8.1		--	--	41	--	5.0	217	--	80	--	4.80	--		230	2E
1005	5050	4.4	115	13 C	8.4	620			1.78		.17	3.56		2.26			--			
									29		3	57		36						
12/04/69	5050	1.41	14.8	48 F	8.4		--	--	58	--	.0	308	--	156	--	7.10	--		358	2E
1145	5050	10	133	9 C	8.3	942			2.52		.00	5.05		4.40			--			
									27			54		47						
01/08/70	5050	2.27	12.0	45 F	8.0		--	--	24	--	.0	188	--	27	--	2.10	--		156	3E
1430	5050	117	103	7 C	7.9	395			1.04		.00	3.08		.76			--			
									26			78		19						
02/05/70	5050	3.85	11.8	50 F	8.0		--	--	10	--	.0	150	--	8.2	--	.60	--		131	50E
1020	5050	505	108	10 C	8.0	274			.44		.00	2.46		.23			--			
									16			90		8						
03/12/70	5050	3.57	11.6	54 F	8.1		--	--	11	--	.0	162	--	7.7	--	.60	--		127	10E
1145	5050	390	112	12 C	8.2	281			.48		.00	2.66		.22			--			
									17			95		8						
04/09/70	5050	2.48	11.3	57 F	8.1		--	--	18	--	.0	223	--	18	--	1.20	--		179	2E
1020	5050	111	114	14 C	8.3	406			.78		.00	3.66		.51			--			
									19			90		13						
05/14/70	5050	1.99	10.6	70 F	8.4		34	28	24	1.2	3.0	243	15	26	.6	2.00	--	244	199	15E
1230	5050	54	123	21 C	8.5	445	1.70	2.30	1.04	.03	.10	3.99	.31	.73	.01		--	255	5	
							34	45	21	1	2	78	6	14						
06/11/70	5050	1.54	10.8	66 F	8.2		--	--	27	--	7.0	234	--	36	--	2.40	--		211	3E
0900	5050	21	120	19 C	8.4	502			1.17		.23	3.84		1.02			--			
									23		5	76		20						
07/09/70	5050	1.41	8.9	78 F	8.2		--	--	38	--	7.0	237	--	48	--	3.10	--		218	1E
1000	5050	7.5	112	26 C	8.5	558			1.65		.23	3.89		1.35			--			
									30		4	70		24						
08/12/70	5050	1.70	9.9	79 F	8.4		--	--	33	--	.0	221	--	52	--	3.50	--		203	3E
1530	5050	5.5	126	26 C	8.3	519			1.44		.00	3.62		1.47			--			
									28			70		28						
09/17/70	5050	1.30	10.2	65 F	8.1		--	--	38	--	.0	224	--	58	--	3.80	--		208	1E
0935	5050	2.0	112	18 C	8.3	537			1.65		.00	3.67		1.64			--			
									31			68		31						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
							MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER			
A8 L 857.0 239.6 CLEAR LAKE NEAR CLEARLAKE HIGHLANDS																				
11/06/69	5050		7.0	59 F	7.1		--	--	10	--	.0	150	--	6.0	1.2	.90	--		120	25E
0915	5050		72	15 C	7.8	268			.44		.00	2.46		.17	.02		--			
									16			92		6	1					
12/04/69	5050		7.1	53 F	7.3		--	--	10	--	.0	150	--	7.4	2.7	1.00	--		120	20E
1100	5050		67	12 C	7.4	273			.44		.00	2.46		.21	.04		--			
									16			90		8	1					
DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
							MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER			
A9 1250.00 PUTAH CREEK NEAR WINTERS																				
10/09/69	5050	5.72	11.7	52 F	8.0	350	16	25	8.5	--	.0	163	--	5.5	--	--	--		144	
0845	5050	181	107	11 C	8.1	297	.80	2.08	.37		.00	2.67		.16			--		11	
							27	70	12			90		5						
11/12/69	5050	5.48	11.3	52 F	7.9	290	16	25	8.4	--	.0	168	--	6.9	--	--	--		146	
1515	5050	151	103	11 C	8.1	300	.80	2.12	.37		.00	2.76		.19			--		8	
							27	71	12			92		6						
12/17/69	5050	5.85	11.6	51 F	7.9	300	16	25	7.5	--	.0	166	--	5.8	--	--	--		143	
1020	5050	130	104	11 C	7.9	299	.80	2.06	.33		.00	2.72		.16			--		7	
							27	69	11			91		5						
01/13/70	5050	5.30	11.0	52 F	7.9	310	19	25	12	--	.0	183	--	9.2	--	--	--		153	10E
1200	5050		101	11 C	7.9	323	.95	2.10	.52		.00	3.00		.26			--		3	
							29	65	16			93		8						
03/10/70	5050	8.24	10.9	53 F	8.1	264	16	23	8.8	--	.0	162	--	5.3	--	--	--		136	7E
0945	5050		100	12 C	8.2	287	.80	1.92	.38		.00	2.66		.15			--		3	
							28	67	13			93		5						
05/06/70	5050	7.68	10.8	53 F	8.1	280	15	23	7.0	--	.0	159	--	4.7	--	--	--		136	7E
0800	5050		99	12 C	8.3	281	.75	1.96	.30		.00	2.61		.13			--		5	
							27	70	11			93		5						
06/17/70	5050	7.26	10.9	54 F	8.2	290	14	24	7.5	--	.0	159	--	4.0	--	--	--		134	4E
0900	5050		102	12 C	8.3	285	.70	1.98	.33		.00	2.61		.11			--		4	
							25	69	12			92		4						
07/14/70	5050		10.8	53 F	8.1	260	15	25	8.3	--	.0	155	--	5.5	--	.20	--		141	4E
0800	5050		99	12 C	8.0	286	.75	2.06	.36		.00	2.54		.16			--		14	
							26	72	13			89		6						
08/28/70	5050	7.26	11.6	57 F	8.3	300	--	--	--	--	--	--	--	--	--	--	--			
1615			111	14 C													--			
09/14/70	5050	7.02	12.5	60 F	8.1	270	15	24	7.5	--	2.0	154	--	4.6	--	--	--		139	4E
1330	5050		125	16 C	8.5	290	.75	2.03	.33		.07	2.53		.13			--		9	
							26	70	11		2	87		4						
B0 1125.00 COSUMNES RIVER AT MCCONNELL																				
04/29/70	5050	2.11	10.8	51 F	7.3	75	5.9	3.6	3.9	1.2	.0	40	9.4	.4	.0	.00	--	66	29	3E
0730	5050		96	11 C	7.7	76	.29	.30	.17	.03	.00	.66	.20	.01	.00		--	44	4	
							37	38	22	4		76	23	1						
B0 1170.00 COSUMNES RIVER AT SLOUGHHOUSE																				
04/29/70	5050		10.6	52 F	8.2	75	7.0	3.3	2.8	--	.0	40	--	2.0	--	--	--		31	1E
0850	5050		97	11 C	7.9	84	.35	.27	.12		.00	.66		.06			--		2	
							42	32	14			79		7						
B0 1580.00 DEER CREEK NEAR SLOUGHHOUSE																				
04/29/70	5050		9.9	60 F	8.2	400	74	4.0	14	--	.0	221	--	10	--	--	--		201	2E
0930	5050		99	16 C	8.3	413	3.69	.33	.61		.00	3.62		.28			--		20	
							89	8	15			88		7						
B0 2105.00 MOKELUMNE RIVER AT WOODBRIDGE																				
11/10/69	5050		9.5	59 F	6.9	38	--	--	--	--	--	--	--	--	--	--	--			
1345			95	15 C													--			
12/12/69	5050	4.93	11.0	52 F	7.0	45	--	--	--	--	--	--	--	--	--	--	--			
1345			100	11 C													--			
01/27/70	5050	2.65	10.9	50 F	6.9	38	3.5	1.1	1.7	--	.0	17	--	.8	--	--	--		13	25E
0930	5050		97	10 C	6.8	39	.17	.09	.07		.00	.28		.02			--		1	
							44	23	18			72		5						
02/11/70	5050	8.83		51 F		40	--	--	--	--	--	--	--	--	--	--	--			
1550				11 C													--			
02/24/70	5050	2.68	11.2	50 F	7.0	50	3.9	1.3	2.1	--	.0	20	--	1.0	--	--	--		15	20E
1100	5050		99	10 C	7.0	41	.19	.11	.09		.00	.33		.03			--		2	
							46	27	22			80		7						
03/13/70	5050	1.96		50 F	7.1	42	--	--	--	--	--	--	--	--	--	--	--			
1030				10 C													--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F / SIO2	TDS SUM	TH NCH	TURB
	BO	2105.00			MOKELUMNE RIVER AT WOODBRIDGE									CONTINUED						
03/13/70	5050	1.96		50 F	7.1	42	--	--	--	--	--	--	--	--	--	--	--			
1030				10 C													--			
08/21/70	5050	5.02	8.8	70 F	7.2	46	--	--	--	--	--	--	--	--	--	--	--			
1330			100	21 C													--			
09/03/70	5050			68 F		48	--	--	--	--	--	--	--	--	--	--	--			
1445				20 C													--			
	BO	2515.01			CALAVERAS RIVER AT STOCKTON															
10/01/69	5050	4.31	8.2	69.5F	7.0	90	8.3	--	4.0	--	.0	41	--	3.1	--	--	--			40E
1000	5050		92	20.8C	7.5	93	.41		.17		.00	.67		.09			--			
							44		18			72		10						
08/13/70	5050		8.7	78 F	7.6	225	21	11	15	--	.0	128	--	8.6	--	--	--		99	9E
1200	5050	4.5	106	26 C	7.9	250	1.05	.93	.65		.00	2.10		.24			--		6	
							42	37	26			84		10						
	BO	2580.00			STOCKTON DIVERTING CANAL AT STOCKTON															
10/01/69	5050	4.31	1.1	66 F		195	19	7.9	9.2	--	.0	100	--	7.9	--	--	--		80	2E
1040	5050		12	19 C	8.0	203	.95	.65	.40		.00	1.64		.22			--		2	
							47	32	20			81		11						
01/27/70	5050	0.77	11.2	52 F	7.5	143	16	6.1	4.4	--	.0	75	--	3.7	--	--	--		65	35E
1030	5050		102	11 C	7.5	152	.80	.50	.19		.00	1.23		.10			--		4	
							53	33	12			81		7						
02/11/70	5050	3.45	11.5	59 F	8.1	176	19	8.4	6.5	--	.0	88	--	6.4	--	--	--		82	7E
1330	5050		115	15 C	8.1	195	.95	.69	.28		.00	1.44		.18			--		10	
							49	35	14			74		9						
03/17/70	5050	3.73	12.0	59 F	8.4	170	19	6.2	6.2	--	.0	86	--	3.6	--	--	--		73	10E
1100	5050		120	15 C	8.1	175	.95	.51	.27		.00	1.41		.10			--		3	
							54	29	15			81		6						
05/18/70	5050	2.79	20.4	81 F		220	21	9.8	11	--	.0	116	--	4.4	--	--	--		93	7E
1400	5050		260	27 C	7.9	248	1.05	.81	.48		.00	1.90		.12			--		2	
							42	33	19			77		5						
08/13/70	5050	3.40	8.0	75 F	8.2	175	18	8.5	7.6	--	.0	98	--	6.4	--	--	--		80	4E
0830	5050		94	24 C	7.8	193	.90	.70	.33		.00	1.61		.18			--		1	
							47	36	17			83		9						
09/16/70	5050	3.26	10.9	71 F	7.6	175	20	8.0	8.0	--	.0	101	--	5.6	--	--	--		83	3E
1300	5050		123	22 C	7.9	205	1.00	.66	.35		.00	1.66		.16			--		0	
							49	32	17			81		8						
	BO	7020.00			SAN JOAQUIN RIVER NEAR VERNALIS															
10/08/69	5000					300	16	7.6	33	2.0	.0	74	23	40	2.1	.05	.1		72	15
	5050				7.4	312	.80	.62	1.44	.05	.00	1.21	.48	1.13	.03		13.0	174	11	
							27	21	49	2		42	17	40	1					
10/17/69	5001		8.6	63 F	7.3		--	--	--	--	--	--	--	--	--	--	--			15A
1515	5006		90	17 C		290											--			
11/07/69	5000	6.41	8.9	56 F	7.2		13	6.1	26	1.7	.0	59	21	34	1.5	.05	.1		58	
0811	5050		85	13 C	7.3	253	.65	.50	1.13	.04	.00	.97	.44	.96	.02		--	133	9	
							28	22	49	2		41	18	40	1					
11/19/69	5001		9.5	59 F	7.4		--	--	--	--	--	--	--	--	--	--	--			18A
1000	5006		95	15 C		390											--			
12/05/69	5000	5.62	10.2	50 F	7.4	350	17	7.9	36	1.8	.0	67	37	40	2.6	.15	.1		75	16
0901	5050		91	10 C	7.3	336	.85	.65	1.57	.05	.00	1.10	.77	1.13	.04		11.0	187	20	
							27	21	50	2		36	25	37	1					
01/14/70	5050	5.07	10.9	54 F	7.3		23	12	58	2.1	.0	91	64	62	3.3	.29	.2		126	15
1221	5000		102	12 C	7.4	495	1.15	.99	2.52	.05	.00	1.49	1.33	1.75	.05		13.0	283	33	
							24	21	54	1		32	29	38	1					
02/13/70	5001		10.6	52 F	7.2		--	--	--	--	--	--	--	--	--	--	--			30A
1420	5006		96	11 C		270											--			
03/17/70	5001		10.0	57 F	7.4		--	--	--	--	--	--	--	51	4.4	--	--	259		45A
1215	5006		98	14 C		400								1.44	.07		16.0			
														36	2					
03/18/70	5050	6.56	9.6	58 F	7.5	525	25	12	53	2.0	.0	91	62	65	2.7	.19	.1		37	30
1301	5000		94	14 C	7.5	498	1.25	.99	2.31	.05	.00	1.49	1.29	1.83	.04		16.0	283	38	
							27	22	50	1		32	28	39	1					
04/15/70		2.48	10.5	60 F	7.7	900	44	22	93	3.8	.0	156	96	130	6.8	.34	.3		200	30
1141	5000		105	16 C	7.6	846	2.20	1.81	4.05	.10	.00	2.56	2.00	3.67	.11		20.0	494	73	
							27	22	50	1		31	24	44	1					

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP		FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	IDS SUM	TH NCH	TURB
								MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER			
80	7020.00				SAN JOAQUIN RIVER NEAR VERNALIS											CONTINUED					
04/16/70	5001		10.6	61	F			--	--	--	--	--	--	--	--	--	--	--			45A
1200	5006		108	16	C		790											--			
05/13/70	5050	3.32	8.8	51	F	8.4		17	8.2	38	1.9	.0	68	45	40	2.3	.21	.1		20	35
1131	5000		78	11	C	7.3	346	.85	.67	1.65	.05	.00	1.12	.94	1.13	.04		13.0	200	20	
								26	21	51	2		35	29	35	1					
05/20/70	5001		9.6	64	F	7.9		--	--	--	--	--	--	--	--	--	--	--			36A
1100	5006		102	18	C		350											--			
06/16/70	5001		10.5	70	F	8.0		--	--	--	--	--	--	--	58	1.8	--	--	250		40A
1225	5006		119	21	C		410								1.64	.03		11.0			
															40	1					
06/17/70	5000	2.53	11.1	69	F	8.0		26	13	51	2.6	.0	100	54	67	5.0	.32	.1		118	
1016	5050		123	21	C	7.1	484	1.30	1.07	2.22	.07	.00	1.64	1.12	1.89	.08		--	269	37	
								28	23	48	2		35	24	40	2					
07/14/70	5001		11.1	77	F	7.9		--	--	--	--	--	--	--	--	--	--	--			70A
1100	5006		136	25	C		850											--			
07/15/70	5000	0.66	9.5	75	F	8.3	1000	46	23	97	3.2	.0	170	68	146	6.8	.11	.1		210	46
0946	5050		112	24	C	7.7	876	2.30	1.89	4.22	.08	.00	2.79	1.41	4.12	.11		20.0	495	70	
								27	22	50	1		33	17	49	1					
08/12/70	5001		8.8	77	F	8.0		--	--	--	--	--	--	--	--	--	--	--			50A
1050	5006		108	25	C		878											--			
08/18/70	5000	0.68	10.2	77	F	8.2	890	45	22	98	3.9	.0	170	70	138	5.6	.26	.2		203	50
1121	5050		125	25	C	7.5	859	2.25	1.81	4.26	.10	.00	2.79	1.46	3.89	.09		20.0	488	64	
								27	21	51	1		34	18	47	1					
09/10/70	5001		8.2	73	F	7.8		--	--	--	--	--	--	--	149	4.0	--	--	555		45A
0910	5006		97	23	C		907								4.20	.06		23.0			
															46	1					
09/16/70	5050	0.89	8.5	69	F	7.7	900	43	20	94	4.2	.0	170	64	128	--	.15	.3		190	16
1001			94	21	C	7.7	818	2.15	1.64	4.09	.11	.00	2.79	1.33	3.61			24.0	462	50	
								27	21	51	1		34	16	44						
81	1150.00				COSUMNES RIVER AT MICHIGAN BAR																
11/10/69	5050	2.85	11.4	52	F	7.2	70	7.4	2.5	3.2	--	.0	36	--	4.9	--	--	--		29	20E
0915	5050		104	11	C	7.3	77	.37	.21	.14		.00	.59		.14			--		1	
								48	27	18			77		18						
12/11/69	5050	2.81	13.5	47	F	7.0	80	--	--	--	--	--	--	--	--	--	--	--			
1015			115	8	C													--			
01/22/70	5050			54	F		48	3.4	1.6	2.1	--	.0	26	--	1.5	--	--	--		15	70E
1200	5050			12	C	6.9	46	.17	.13	.09		.00	.43		.04			--		7	
								37	28	20			93		9						
02/17/70	5050	5.96	13.5	48	F	7.2	82	--	--	--	--	--	--	--	--	--	--	--			
1320			115	9	C													--			
03/18/70	5050	4.68	13.0	53	F	7.2	80	--	--	--	--	--	--	--	--	--	--	--			
1515			119	12	C													--			
04/29/70	5050	3.75	11.7	52	F	7.3	72	6.4	3.2	3.2	.9	.0	38	3.3	.8	.1	--	--	36	29	1.0E
1045	5050		107	11	C	7.7	72	.32	.26	.14	.02	.00	.62	.07	.02	.00		--	37	2	
								43	35	19	3		87	10	3						
05/11/70	5050	3.27	11.1	72	F	7.4	58	5.7	2.4	2.8	--	.0	33	--	.8	--	--	--		24	5E
1500	5050		129	22	C	7.6	63	.28	.20	.12		.00	.54		.02			--		3	
								44	32	19			86		3						
03/26/70	5050	2.58	8.6	77	F	7.2	57	--	--	--	--	--	--	--	--	--	--	--			
1400			106	25	C													--			
09/04/70	5050	2.48	8.3	70	F	7.3	64	6.6	4.2	2.8	--	.0	36	--	1.6	--	--	--		34	3E
0730	5050		94	21	C		66	.33	.35	.12		.00	.59		.05			--		5	
								50	53	18			89		8						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
	81	1300.01			BIG INDIAN CREEK NEAR NASHVILLE															
04/30/70	5050		10.1	52 F	7.4	175	18	8.3	6.5	--	.0	93	--	4.7	--	--	--		79	1E
1115	5050	3.0	94	11 C	8.0	186	.90	.68	.28		.00	1.53		.13			--		3	
							48	37	15			82		7						
	81	2100.00			COSUMNES RIVER NORTH FORK NEAR EL DORADO															
11/10/69	5050		12.7	45 F	7.2	50	5.8	1.3	2.5	--	.0	27	--	3.1	--	--	--		20	3E
1400	5050		107	7 C	7.3	55	.29	.11	.11		.00	.44		.09			--		2	
							53	20	20			80		16						
01/26/70	5050		12.2	44.5F	7.1	36	3.5	.6	1.7	--	.0	22	--	1.3	--	--	--		11	6E
1245	5050		103	6.9C	7.0	32	.17	.05	.07		.00	.36		.04			--		7	
							53	16	22			113		13						
04/30/70	5050	3.07		49 F	7.3	53	5.2	1.2	2.8	.9	.0	25	2.8	.5	.0	.00	--	24	18	9E
1000	5050			9 C	7.5	50	.26	.10	.12	.02	.00	.41	.06	.01	.00		--	26	3	
							52	20	24	4		85	13	2						
06/10/70	5050	2.72	10.8	65 F	7.2	48	5.4	1.3	2.6	--	.0	26	--	1.0	--	--	--		19	2E
1415	5050		118	18 C	7.6	55	.27	.11	.11		.00	.43		.03			--		3	
							49	20	20			78		5						
09/04/70	5050	2.16	9.6	69 F	7.4	42	4.3	2.8	2.1	--	.0	24	--	1.7	--	--	--		22	2E
1150	5050		109	21 C	8.1	44	.21	.23	.09		.00	.39		.05			--		3	
							48	52	20			89		11						
	81	2200.01			COSUMNES RIVER NF AT BUCKS BAR															
04/29/70	5050		11.1	46 F	7.0	40	4.0	1.2	1.2	--	.0	22	--	1.2	--	--	--		15	2E
0910	5050		91	8 C	7.3	42	.20	.10	.05		.00	.36		.03			--		3	
							48	24	12			86		7						
	81	2300.00			CAMP CREEK NEAR SOMERSET															
04/29/70	5050		13.1	46 F	7.1	34	4.6	1.8	1.8	--	.0	19	--	1.2	--	--	--		19	1E
1030	5050	60	111	8 C	8.0	39	.23	.15	.08		.00	.31		.03			--		4	
							59	38	21			79		8						
	81	2470.01			CAMP CREEK BELOW DIAMOND CREEK NR BALTIC LOOKOUT															
04/30/70	5050		12.1	43 F	7.1	30	3.3	1.9	1.7	--	.0	16	--	.4	--	--	--		16	1E
1145	5050		110	6 C	7.8	32	.16	.16	.07		.00	.26		.01			--		3	
							50	50	22			81		3						
	81	2659.01			COSUMNES RIVER NORTH FORK AT SWEENEYS CROSSING															
04/29/70	5050		13.9	43 F	7.0	33	3.4	1.3	2.0	--	.0	18	--	.9	--	--	--		14	1E
1130	5050		119	6 C	7.8	37	.17	.11	.09		.00	.30		.03			--		1	
							46	30	24			81		8						
	81	2670.01			COSUMNES RIVER STEELY FORK NEAR COLES STATION															
04/29/70	5050		11.5	45 F	7.1	34	3.6	1.2	2.1	--	.0	19	--	.7	--	--	--		14	1E
1315	5050		105	7 C	7.8	38	.18	.10	.09		.00	.31		.02			--		2	
							47	26	24			82		5						
	81	3000.01			COSUMNES RIVER MIDDLE FORK AT MOUTH															
04/30/70	5050		10.8	48 F	7.2	52	5.7	2.9	2.6	--	.0	27	--	1.1	--	--	--		26	2E
1200	5050		94	9 C	7.9	54	.28	.24	.11		.00	.44		.03			--		4	
							52	44	20			81		6						
	81	3150.00			COSUMNES RIVER MIDDLE FORK NEAR SOMERSET															
11/10/69	5050	3.67	12.2	48 F	7.2	52	6.2	2.1	2.5	--	.0	30	--	2.7	--	--	--		24	3E
1320	5050		109	9 C	7.3	57	.31	.17	.11		.00	.49		.08			--		1	
							54	30	19			86		14						
01/26/70	5050		12.1	43 F	7.1	35	3.4	.6	1.6	--	.0	20	--	.7	--	--	--		11	5E
1215	5050		103	6 C	6.8	35	.17	.05	.07		.00	.33		.02			--		6	
							49	14	20			94		6						
04/29/70	5050		9.8	51 F	7.0	38	4.3	.8	1.0	--	.0	21	--	1.9	--	--	--		14	1E
1505	5050		92	11 C	7.5	38	.21	.07	.04		.00	.34		.05			--		3	
							55	18	11			89		13						
06/10/70	5050	4.50	10.4	64 F	7.2	36	4.0	1.0	2.3	--	.0	24	--	.3	--	--	--		14	2E
1515	5050		115	18 C	7.4	42	.20	.08	.10		.00	.39		.01			--		6	
							48	19	24			93		2						
09/04/70	5050	2.85	9.7	68 F	7.3	61	7.5	2.1	2.6	--	.0	34	--	1.0	--	--	--		27	2E
1000	5050		114	20 C	8.0	65	.37	.17	.11		.00	.56		.03			--		1	
							57	26	17			86		5						
	81	3155.01			PERRY CREEK NEAR SOMERSET															
04/29/70	5050		10.0	56 F	7.3	105	9.9	3.8	6.8	--	.0	61	--	2.7	--	--	--		40	2E
1445	5050		95	13 C	8.1	107	.49	.31	.30		.00	1.00		.08			--		10	
							46	29	28			93		7						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
B1	3158.01				PERRY CREEK NEAR FAIR PLAY															
04/30/70	5050		9.8	64 F	7.2	120	9.1	3.3	5.8	--	.0	52	--	2.4	--	--	--		36	260E
1345	5050		102	18 C	7.8	98	.45	.27	.25		.00	.85		.07			--		7	
							46	28	26			87		7						
B1	3600.00				COSUMNES RIVER MF AT P1 P1 RESERVOIR SITE															
04/30/70	5050		11.0	46 F	6.8	20	2.8	.7	1.7	--	.0	15	--	.3	--	--	--		10	2E
1130	5050		103	8 C	8.3	28	.14	.06	.07		.00	.25		.01			--		3	
							50	21	25			89		4						
B1	4100.00				COSUMNES RIVER SOUTH FORK NEAR RIVER PINES															
11/10/69	5050		12.2	49 F	7.4	100	11	4.5	4.0	--	.0	58	--	5.0	--	--	--		46	10E
1115	5050		113	9 C	7.4	114	.55	.37	.17		.00	.95		.14			--		2	
							48	32	15			83		12						
B1	4110.01				COSUMNES RIVER SF AT RIVER PINES															
01/26/70	5050		11.1	46 F	7.2	61	5.8	2.3	2.8	--	.0	38	--	1.4	--	--	--		24	5E
1110	5050		91	8 C	7.1	62	.29	.19	.12		.00	.62		.04			--		7	
							47	31	19			100		6						
04/29/70	5050		10.8	42 F	7.1	90	8.8	4.4	2.6	--	.0	49	--	3.6	--	--	--		40	1E
0745	5050		84	6 C	7.8	92	.44	.36	.11		.00	.80		.10			--		0	
							48	39	12			87		11						
06/10/70	5050		9.8	69 F	7.8	90	9.3	4.1	4.1	--	.0	56	--	2.3	--	--	--		40	2E
1600	5050		109	21 C	8.0	103	.46	.34	.18		.00	.92		.06			--		6	
							45	33	17			89		6						
09/04/70	5050		7.7	65 F	7.2	140	13	12	4.4	--	.0	80	--	4.4	--	--	--		83	2E
0930	5050		82	18 C	8.2	144	.65	1.01	.19		.00	1.31		.12			--		18	
							45	70	13			91		8						
B1	4120.01				SCOTT CREEK BELOW CEDAR CREEK NEAR AUKUM															
04/29/70	5050		10.7	42 F	7.3	92	9.8	5.7	3.2	--	.0	49	--	2.3	--	--	--		48	1E
0820	5050		84	6 C	8.0	92	.49	.47	.14		.00	.80		.06			--		8	
							53	51	15			87		7						
B1	4125.01				CEDAR CREEK AT COYOTEVILLE															
04/29/70	5050		11.2	42 F	7.3	100	11	3.5	3.8	--	.0	54	--	.7	--	--	--		42	1E
0840	5050		88	6 C	7.9	102	.55	.29	.17		.00	.89		.02			--		3	
							54	28	17			87		2						
B2	5300.00				CALAVERAS RIVER BELOW NEW HOGAN DAM															
10/29/69	5002			58 F	8.9		17	6.3	6.1	2.0	.0	81	6.1	3.0	.0	.00	--	96	69	
1040	5050			14 C	8.3	162	.85	.52	.27	.05	.00	1.33	.13	.08	.00		--	81	2	
							50	31	16	3		86	8	5						
11/07/69	5002		3.1	52 F			33	10	11	--	.0	144	--	11	--	--	--		127	28E
0900	5050		29	11 C	8.0	290	1.65	.89	.48		.00	2.36		.31			--		9	
							57	31	17			81		11						
12/03/69	5002		16.0	56 F			17	6.4	5.1	--	.0	79	--	3.4	--	--	--		69	7E
1250	5050		155	13 C	8.1	159	.85	.53	.22		.00	1.30		.10			--		4	
							53	33	14			82		6						
B2	5320.10				CALAVERAS RIVER ABOVE NEW HOGAN RESERVOIR															
10/29/69	5002		1.9	57 F			26	11	12	2.0	12	70	38	9.1	1.4	.50	--	176	112	
1315	5050	1.0	18	14 C	9.2	292	1.30	.90	.52	.05	.40	1.15	.79	.26	.02		--	147	33	
							47	32	19	2	15	44	30	10	1					
11/07/69	5002		13.0	56 F	7.5		23	6.9	7.8	--	.0	94	--	8.5	--	--	--		86	25E
1105	5050		124	13 C	2.6	208	1.15	.57	.34		.00	1.54		.24			--		9	
							55	27	16			74		12						
12/03/69	5002		14.5	50 F			32	10	9.3	--	.0	137	--	10	--	--	--		124	100E
1130	5050		129	10 C	8.1	273	1.60	.88	.40		.00	2.25		.28			--		12	
							59	32	15			82		10						

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
B9	D 747.2	118.4			SAN JOAQUIN RIVER AT MOSSDALE BRIDGE															
10/14/69	5050	3.75	9.1	61 F	7.4	460	25	10	48	2.6	.0	100	31	64	5.0	.10	--	251	106	
1100	5050		93	16 C	7.3	442	1.25	.82	2.09	.07	.00	1.64	.64	1.80	.08		--	236	22	
							30	19	49	2		39	15	43	2					
11/17/69	5050	4.48	9.8	56 F	7.2	245	15	6.7	27	2.3	.0	65	24	32	2.8	.20	--	177	64	45E
1255	5050		94	13 C	7.3	267	.75	.55	1.17	.06	.00	1.07	.50	.90	.05		--	143	12	
							30	22	46	2		42	20	36	2					
2/17/69	5050	3.90	9.9	52 F	7.2	500	25	12	57	2.4	.0	89	--	73	1.9	.30	--	298	113	15E
1300	5050		91	11 C	7.1	505	1.25	.99	2.48	.06	.00	1.46		2.06	.03		--		39	
							26	21	52	1		29		41	1					

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
89 D 747.2 118.4 SAN JOAQUIN RIVER AT MOSSDALE BRIDGE CONTINUED																				
01/27/70	5050	3.40	10.2	51 F	7.3	180	11	5.0	19	1.6	.0	58	19	19	2.2	.10	--	126	48	120E
1230	5050		91	11 C	7.1	190	.55	.41	.83	.04	.00	.95	.40	.54	.04		--	106	1	
							30	22	45	2		49	21	28	2					
02/24/70	5050		10.6	52 F	7.3	330	18	8.0	38	1.6	.0	76	40	44	2.6	.20	--	202	78	40E
1145	5050		97	11 C	7.3	345	.90	.66	1.65	.04	.00	1.25	.83	1.24	.04		--	190	16	
							28	20	51	1		37	25	37	1					
04/09/70	5050	1.53	11.1	62.6F	8.0	850	46	23	115	3.7	.0	158	10	145	7.5	.50	--	512	210	20E
1445	5050		117	17.0C	7.9	899	2.30	1.89	5.00	.09	.00	2.59	.22	4.09	.12		--	430	80	
							25	20	54	1		37	3	58	2					
05/18/70	5050	3.10	9.2	71 F		380	14	15	39	2.0	.0	84	37	54	4.0	.20	--	239	95	20E
1130	5050		105	22 C	7.8	400	.70	1.23	1.70	.05	.00	1.38	.77	1.52	.06		--	207	28	
							19	33	46	1		37	21	41	2					
07/03/70	5050	3.65	10.5	75 F	8.4	400	27	16	56	2.6	.0	99	72	75	2.1	.10	--	280	134	80E
1000	5050		125	24 C	8.3	508	1.35	1.32	2.44	.07	.00	1.62	1.50	2.12	.03		--	300	53	
							26	25	47	1		31	28	40	1					
08/12/70	5050	0.88	9.2	80 F	8.3	750	45	24	104	4.4	.0	168	73	151	4.7	.20	--	531	210	70E
1330	5050		116	27 C	8.3	851	2.25	1.97	4.52	.11	.00	2.76	1.52	4.26	.08		--	490	73	
							25	22	51	1		32	18	49	1					
09/16/70	5050	2.02	9.3	69 F	8.2	600	40	19	80	4.2	.0	164	61	111	6.5	.30	--	438	180	160E
1100	5050		104	21 C	7.8	756	2.00	1.56	3.48	.11	.00	2.69	1.27	3.13	.10		--	404	44	
							28	22	49	2		37	18	44	1					
89 D 748.3 126.9 OLD RIVER AT TRACY ROAD BRIDGE																				
10/22/69	5001		8.1	62.6F	7.2		17	7.0	30	4.0	.0	77	22	39	3.5	--	--	191	71	26A
1400	5006	3	85	17.0C		268	.85	.58	1.31	.10	.00	1.26	.46	1.10	.06		--	161	9	
							30	20	46	4		44	16	38	2					
11/14/69	5001		7.6	59.0F	7.4		--	--	--	--	--	--	--	--	--	--	--			46A
1242	5006	3	76	15.0C		420											--			
12/19/69	5001		8.3	51.8F	7.4		--	--	--	--	--	--	--	--	--	--	--			16A
1055	5006	3	76	11.0C		600											--			
01/13/70	5001		9.8	50.0F	7.2		25	12	57	3.0	.0	89	65	65	3.1	--	--	277	112	13A
1345	5006	3	88	10.0C		420	1.25	.99	2.48	.08	.00	1.46	1.35	1.83	.05		--	275	39	
							26	21	52	2		31	29	39	1					
02/18/70	5001		9.7	55.4F	7.4		--	--	--	--	--	--	--	--	--	--	--			22A
1240	5006	3	93	13.0C		375											--			
03/13/70	5001		8.7	59.0F	7.4		--	--	--	--	--	--	--	--	--	--	--			24A
1125	5006	3	87	15.0C		410											--			
04/22/70	5001		15.6	60.8F	8.0		50	21	100	5.6	.0	176	90	145	3.5	.40	--	541	212	50A
1330	5006	3	160	16.0C		906	2.50	1.73	4.35	.14	.00	2.89	1.87	4.09	.06		--	504	67	
							29	20	50	2		32	21	46	1					
05/11/70	5001		10.6	62.6F	7.9		--	--	--	--	--	--	--	--	--	--	--			28A
1155	5006	3	112	17.0C		875											--			
06/17/70	5001		12.0	73.4F	8.5		--	--	--	--	--	--	--	--	--	--	--			32A
1430	5006	3	142	23.0C		320											--			
07/09/70	5001		13.0	75.2F	8.3		45	22	74	4.3	.0	150	67	133	--	.30	--	486	203	29A
1210	5006	3	157	24.0C		780	2.25	1.81	3.22	.11	.00	2.46	1.39	3.75			--	421	80	
							30	24	44	1		32	18	48						
08/14/70	5001		10.5	80.6F	8.2		--	--	--	--	--	--	--	--	--	--	--			25A
1330	5006	3	135	27.0C		850											--			
09/18/70	5001		9.7	73.4F	8.2		--	--	--	--	--	--	--	--	--	--	--			22A
1105	5006	3	115	23.0C		700											--			
89 D 752.6 122.9 MIDDLE RIVER AT WILLIAMS BRIDGE NEAR HOLT																				
10/22/69	5001		9.1	60.8F	7.3		16	5.0	25	2.0	.0	64	19	35	3.1	--	--	171	60	22A
1320	5006	3	93	16.0C		270	.80	.41	1.09	.05	.00	1.05	.40	.99	.05		13.0	150	8	
							34	17	46	2		42	16	40	2					
11/14/69	5001		9.4	59.0F	7.5		--	--	--	--	--	--	--	--	--	--	--			18A
1156	5006	3	94	15.0C		305											--			
12/19/69	5001		9.4	51.8F	7.4		--	--	--	--	--	--	--	--	--	--	--			10A
1015	5006	3	86	11.0C		540											--			
01/13/70	5001		10.2	50.0F	7.2		20	11	50	2.0	.0	82	55	59	3.1	--	--	261	95	17A
1305	5006	3	91	10.0C		390	1.00	.90	2.18	.05	.00	1.34	1.14	1.66	.05		12.0	253	28	
							24	22	53	1		32	27	40	1					

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
B9 D 752.6 122.9 MIDDLE RIVER AT WILLIAMS BRIDGE NEAR HOLT CONTINUED																				
02/18/70	5001		10.1	55.4F	7.4		--	--	--	--	--	--	--	--	--	--	--			21A
1200	5006	3	97	13.0C		380											--			
03/13/70	5001		10.0	59.0F	7.5		--	--	--	--	--	--	--	--	--	--	--			23A
1052	5006	3	100	15.0C		310											--			
04/22/70	5001		10.1	59.0F	7.4		32	13	39	3.0	.0	89	45	68	2.2	--	--	265	134	70A
1250	5006	3	101	15.0C		440	1.60	1.07	1.70	.08	.00	1.46	.94	1.92	.04		13.0	260	61	
							36	24	38	2		33	22	44	1					
05/11/70	5001		10.3	62.6F	7.9		--	--	--	--	--	--	--	--	--	--	--			35A
1120	5006	3	108	17.0C		540											--			
06/17/70	5001		11.7	75.2F	8.5		--	--	--	--	--	--	--	--	--	--	--			40A
1340	5006	3	142	24.0C		470											--			
07/09/70	5001		5.8	77.0F	7.1		22	11	35	2.8	.0	89	33	50	1.3	.20	--	227	100	60A
1120	5006	3	72	25.0C		370	1.10	.90	1.52	.07	.00	1.46	.69	1.41	.02		9.0	209	27	
							31	25	42	2		41	19	39	1					
08/14/70	5001		6.5	80.6F	7.4		--	--	--	--	--	--	--	--	--	--	--			45A
1250	5006	3	83	27.0C		340											--			
09/18/70	5001		7.4	71.6F	7.5		--	--	--	--	--	--	--	--	--	--	--			40A
1030	5006	3	86	22.0C		290											--			
B9 D 753.5 129.3 MIDDLE RIVER AT BORDEN HIGHWAY																				
10/22/69	5001		9.8	60.8F	7.3		22	10	38	3.0	.0	93	30	51	2.2	--	--	220	96	21A
1230	5006	3	101	16.0C		355	1.10	.82	1.65	.08	.00	1.53	.62	1.44	.04		10.0	213	20	
							30	22	45	2		42	17	40	1					
11/14/69	5001		8.2	60.8F	7.1		--	--	--	--	--	--	--	--	--	--	--			16A
1118	5006	3	84	16.0C		320											--			
12/19/69	5001		8.9	51.8F	7.2		--	--	--	--	--	--	--	--	--	--	--			19A
0935	5006	3	82	11.0C		500											--			
01/13/70	5001		10.5	48.2F	7.1		27	13	51	2.0	.0	84	70	54	5.3	--	--	288	121	55A
1230	5006	2	92	9.0C		450	1.35	1.07	2.22	.05	.00	1.38	1.46	1.52	.09		14.0	278	52	
							29	23	47	1		31	33	34	2					
02/18/70	5001		9.5	55.4F	7.2		--	--	--	--	--	--	--	--	--	--	--			28A
1120	5006	3	91	13.0C		340											--			
03/13/70	5001		8.9	59.0F	7.3		--	--	--	--	--	--	--	--	--	--	--			29A
1016	5006	3	89	15.0C		320											--			
04/22/70	5001		10.0	59.0F	7.4		20	9.2	21	2.0	.0	81	29	30	.9	.30	--	164	88	70A
1215	5006	1	100	15.0C		280	1.00	.76	.91	.05	.00	1.33	.60	.85	.01		12.0	165	22	
							37	28	33	2		48	22	30						
05/11/70	5001		9.3	62.6F	7.6		--	--	--	--	--	--	--	--	--	--	--			40A
1045	5006	3	98	17.0C		280											--			
06/17/70	5001		8.4	71.6F	7.8		--	--	--	--	--	--	--	--	--	--	--			40A
1300	5006	3	98	22.0C		320											--			
07/09/70	5001		6.8	75.2F	7.3		17	8.5	26	2.3	.0	84	21	33	.9	--	--	165	78	38A
1035	5006	2	82	24.0C		280	.85	.70	1.13	.06	.00	1.38	.44	.93	.01		11.0	162	9	
							31	26	41	2		50	16	34						
08/14/70	5001		9.4	78.8F	7.3		--	--	--	--	--	--	--	--	--	--	--			28A
1215	5006	3	118	26.0C		220											--			
09/18/70	5001		8.2	71.6F	7.4		--	--	--	--	--	--	--	--	--	--	--			23A
0950	5006	3	95	22.0C		230											--			
B9 D 756.1 125.8 WHISKY SLOUGH AT HOLT																				
10/22/69	5001		7.4	60.8F	7.2		28	11	54	4.0	.0	102	40	75	4.4	--	--	304	115	20A
1130	5006	3	76	16.0C		500	1.40	.90	2.35	.10	.00	1.67	.83	2.12	.07		10.0	277	32	
							29	19	49	2		36	18	45	1					
11/14/69	5001		7.6	60.8F	7.4		--	--	--	--	--	--	--	--	--	--	--			17A
1047	5006	3	78	16.0C		465											--			
12/19/69	5001		8.5	50.0F	7.1		--	--	--	--	--	--	--	--	--	--	--			13A
0853	5006	3	76	10.0C		700											--			
01/13/70	5001		10.3	48.2F	7.1		55	24	100	3.5	.0	66	175	165	17	--	--	627	236	18A
1055	5006	3	90	9.0C		940	2.74	1.97	4.35	.09	.00	1.08	3.64	4.65	.28		17.0	590	182	
							30	22	48	1		11	38	48	3					

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD PH	LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER					MILLIEQUIVALENTS PER LITER				B	F SIO2	TDS SUM	TH NCH	TURB
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3					
							PERCENT REACTANCE VALUE													
89 D 756.1 125.8 WHISKY SLOUGH AT HOLT																				
																				CONTINUED
02/18/70	5001		8.7	55.4F	7.1		--	--	--	--	--	--	--	--	--	--	--			12A
1047	5006	3	84	13.0C		1400											--			
03/13/70	5001		10.7	60.8F	7.6		--	--	--	--	--	--	--	--	--	--	--			8A
0947	5006	3	110	16.0C		1510											--			
04/22/70	5001		9.5	60.8F	7.9		44	23	55	3.5	.0	87	90	125	--	--	--	433	205	36A
1145	5006	3	98	16.0C		730	2.20	1.89	2.39	.09	.00	1.43	1.87	3.53			3.0	387	133	
							33	29	36	1		20	26	48						
05/11/70	5001		8.0	64.4F	7.5		--	--	--	--	--	--	--	--	--	--	--			27A
1011	5006	3	86	18.0C		675											--			
06/17/70	5001		6.2	71.6F	7.5		--	--	--	--	--	--	--	--	--	--	--			23A
1229	5006	3	72	22.0C		700											--			
07/09/70	5001		7.5	78.8F	7.4		27	14	47	3.3	.0	97	50	75	--	.40	--	295	125	27A
0955	5006	3	94	26.0C		500	1.35	1.15	2.04	.08	.00	1.59	1.04	2.12			2.0	267	46	
							29	25	44	2		32	21	42						
08/14/70	5001		8.5	77.0F	7.5		--	--	--	--	--	--	--	--	--	--	--			20A
1147	5006	3	105	25.0C		360											--			
09/18/70	5001		7.5	71.6F	7.5		--	--	--	--	--	--	--	--	--	--	--			18A
0911	5006	3	87	22.0C		360											--			
89 D 758.7 122.9 SAN JOAQUIN RIVER AT BUCKLEY COVE																				
10/22/69	5001		7.5	62.6F	7.2		17	7.0	29	3.0	.0	77	21	39	4.4	.20	--	185	71	20A
1020	5006	1	79	17.0C		310	.85	.58	1.26	.08	.00	1.26	.44	1.10	.07		16.0	175	9	
							31	21	45	3		44	15	38	2					
11/14/69	5001		8.9	62.6F	7.2		--	--	--	--	--	--	--	--	--	--	--			12A
1350	5006	3	93	17.0C		330											--			
12/18/69	5001		8.2	51.8F	7.2		--	--	--	--	--	--	--	--	--	--	--			11A
0955	5006	2	75	11.0C		440											--			
01/13/70	5001		10.1	50.0F	7.3		22	10	50	2.0	.0	75	52	50	4.0	--	--	249	96	14A
0955	5006	3	90	10.0C		390	1.10	.82	2.18	.05	.00	1.23	1.08	1.41	.06		13.0	241	35	
							27	20	53	1		33	29	37	2					
02/17/70	5001		10.2	53.6F	7.1		--	--	--	--	--	--	--	--	--	--	--			27A
1205	5006	3	96	12.0C		330											--			
03/12/70	5001		10.3	55.4F	7.2		--	--	--	--	--	--	--	--	--	--	--			37A
1115	5006	3	99	13.0C		230											--			
04/21/70	5001		12.7	60.8F	7.9		39	18	74	2.5	3.0	128	60	107	4.4	.40	--	404	172	39A
1430	5006	1	130	16.0C		682	1.95	1.48	3.22	.06	.10	2.10	1.25	3.02	.07		14.0	386	62	
							29	22	48	1	2	32	19	46	1					
05/12/70	5001		14.9	68.0F	8.5		--	--	--	--	--	--	--	--	--	--	--			37A
1400	5006	1	167	20.0C		750											--			
06/10/70	5001		9.8	73.4F	8.2		--	--	--	--	--	--	--	--	--	--	--			55A
1345	5006	1	116	23.0C		420											--			
07/08/70	5001		9.5	80.6F	7.5		22	11	41	3.3	.0	94	30	56	.9	.20	--	228	110	21A
1315	5006	1	122	27.0C		400	1.10	.90	1.78	.08	.00	1.54	.62	1.58	.01		3.0	214	23	
							28	23	46	2		41	17	42						
08/11/70	5001		5.7	78.8F	7.1		--	--	--	--	--	--	--	--	--	--	--			30A
1345	5006	3	72	26.0C		370											--			
09/17/70	5001		3.7	73.4F	7.3		--	--	--	--	--	--	--	--	--	--	--			24A
1345	5006	1	44	23.0C													--			
89 D 800.5 134.8 OLD RIVER AT HOLLAND TRACT																				
10/17/69	5001		9.0	61 F	7.4		--	--	--	--	--	--	--	--	--	--	--			25A
1330	5006	3	92	16 C		270											--			
11/19/69	5001		9.5	57 F	7.5		--	--	--	--	--	--	--	--	--	--	--			21A
1300	5006	3	93	14 C		310											--			
02/13/70	5001		9.8	52 F	7.2		--	--	--	--	--	--	--	--	--	--	--			40A
1300	5006	3	90	11 C		380											--			
03/17/70	5001		9.8	59 F	7.4		--	--	--	--	--	--	--	35	3.5	--	--	209		70A
1345	5006	3	98	15 C		305								.99	.06		16.0			
														32	2					

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
89 D 800.5 134.8 OLD RIVER AT HOLLAND TRACT CONTINUED																				
04/16/70	5001		10.0	59	F		--	--	--	--	--	--	--	--	--	--	--			40A
1335	5006	3	100	15	C	210											--			
05/19/70	5001		9.2	70	F	7.4	--	--	--	--	--	--	--	--	--	--	--			45A
1820	5006	3	105	21	C	210											--			
06/16/70	5001		8.1	72	F	7.4	--	--	--	--	--	--	--	27	.4	--	--	166		50A
1555	5006	3	94	22	C	260								.76	.01		10.0			
														29						
07/14/70	5001		8.0	77	F	7.5	--	--	--	--	--	--	--	--	--	--	--			50A
1505	5006	3	99	25	C	350											--			
08/13/70	5001		8.4	79	F	7.5	--	--	--	--	--	--	--	--	--	--	--			35A
1745	5006	3	106	26	C	365											--			
09/11/70	5001		8.2	77	F	7.4	--	--	--	--	--	--	--	20	--	--	--	131		25A
1700	5006	3	101	25	C	215								.56			13.0			
														26						
89 D 800.7 138.4 DUTCH SLOUGH AT BETHEL ISLAND BRIDGE																				
10/17/69	5001		9.3	61	F	7.5	--	--	--	--	--	--	--	--	--	--	--			25A
1245	5006	3	96	16	C	270											--			
11/19/69	5001		10.2	57	F	7.5	--	--	--	--	--	--	--	--	--	--	--			20A
1200	5006	3	100	14	C	290											--			
02/13/70	5001		9.3	54	F	7.5	--	--	--	--	--	--	--	--	--	--	--			45A
1200	5006	3	87	12	C	420											--			
03/17/70	5001		9.1	57	F	7.3	--	--	--	--	--	--	--	--	3.5	--	--	238		50A
1430	5006	3	89	14	C	363									.06		--			
															2					
04/16/70	5001		10.2	59	F		--	--	--	--	--	--	--	--	--	--	--			45A
1425	5006	3	102	15	C	270											--			
05/19/70	5001		9.0	70	F	7.4	--	--	--	--	--	--	--	45	--	--	--			50A
1730	5006	3	103	21	C	240								1.27			--			
														53						
06/16/70	5001		8.7	73	F	7.6	--	--	--	--	--	--	--	53	--	--	--	221		35A
1500	5006	3	103	23	C	360								1.49			--			
														41						
07/14/70	5001		9.5	73	F	7.8	--	--	--	--	--	--	--	--	--	--	--			50A
1410	5006	3	113	23	C	670											--			
08/13/70	5001		8.1	73	F	7.6	--	--	--	--	--	--	--	--	--	--	--			25A
1645	5006	3	96	23	C	639											--			
09/11/70	5001		7.6	75	F	7.2	--	--	--	--	--	--	--	41	.4	--	--	180		38A
1600	5006	3	92	24	C	319								1.16	.01		--			
														36						
89 D 801.1 142.6 BIG BREAK NEAR OAKLEY																				
10/20/69	5001		10.0	61	F	7.7	--	--	--	--	--	--	--	14	.9	--	--	115		19A
1250	5006	3	103	16	C	200								.39	.01		13.0			
														20	1					
11/20/69	5001		9.9	55	F	7.5	--	--	--	--	--	--	--	21	.4	--	--	129		19A
1535	5006	3	95	13	C	210								.59	.01		15.0			
														28						
02/11/70	5001		10.0	52	F	7.1	--	--	--	--	--	--	--	18	2.2	--	--	135		60A
1055	5006	3	92	11	C	200								.51	.04		15.0			
														26	2					
03/16/70	5001		9.9	61	F	7.4	17	9.0	28	2.2	.0	66	43	31	3.0	.30	--	199	80	36A
1330	5006	3	102	16	C	300	.85	.74	1.22	.06	.00	1.08	.89	.87	.05		16.0	183	26	
							30	26	43	2		37	31	30	2					
04/16/70	5001		10.2	57	F	7.6	--	--	--	--	--	--	--	23	1.3	--	--	142		28A
1420	5006	3	100	14	C	235								.65	.02		17.0			
														28	1					
05/18/70	5001		9.9	68	F	8.0	--	--	--	--	--	--	--	17	.2	--	--	135		29A
1655	5006	3	111	20	C	210								.48	.00		13.0			
														23						
06/15/70	5001		10.7	73	F	7.9	18	9.4	36	2.6	.0	86	22	48	.2	--	--	199	84	37A
1645	5006	3	127	23	C	340	.90	.77	1.57	.07	.00	1.41	.46	1.35	.00		10.0	189	13	
							27	23	47	2		44	14	42						
07/15/70	5001		9.5	72	F	7.9	--	--	--	--	--	--	--	148	.5	--	--	399		55A
1655	5006	3	111	22	C	640								4.17	.01		12.0			
														65						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER									MILLIGRAMS PER LITER				
							MILLIEQUIVALENTS PER LITER													
							PERCENT REACTANCE VALUE													
B9 D 801.1 142.6 BIG BREAK NEAR OAKLEY CONTINUED																				
08/13/70	5001		8.9	77	F 7.9		--	--	--	--	--	--	--	137	.5	--	--	376		39A
1630	5006	3	110	25	C	626								3.86	.01		13.0			
														62						
09/09/70	5001		9.5	72	F 7.3		12	9.0	30	2.2	.0	82	14	38	.2	--	--	195	67	24A
1505	5006	3	110	22	C	252	.60	.74	1.31	.06	.00	1.34	.29	1.07	.00		14.0	160	0	
							22	27	48	2		50	11	40						
B9 D 801.2 148.5 SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL																				
10/20/69	5001		9.3	61	F 7.4		--	--	--	--	--	--	--	18	.4	--	--	122		14A
1145	5006	3	95	16	C	260								.51	.01		13.0			
														20						
11/21/69	5001		9.0	57	F 7.0		--	--	--	--	--	--	--	37	.9	--	--	153		30A
1240	5006	3	88	14	C	240								1.04	.01		16.0			
														43						
02/12/70	5001		10.5	52	F 7.1		--	--	--	--	--	--	--	7.0	1.3	--	--	112		90A
0920	5006	3	96	11	C	170								.20	.02		17.0			
														12	1					
03/19/70	5001		10.5	57	F 7.5		16	7.7	16	1.6	.0	65	28	17	1.8	--	--	151	72	40A
1530	5006	3	103	14	C	220	.80	.63	.70	.04	.00	1.07	.58	.48	.03		16.0	137	18	
							37	29	32	2		50	27	22	1					
04/16/70	5001		9.5	57	F 7.6		--	--	--	--	--	--	--	65	1.4	--	--	228		29A
1350	5006	3	93	14	C	410								1.83	.02		17.0			
														45						
05/18/70	5001		8.7	68	F 7.8		--	--	--	--	--	--	--	149	.2	--	--	400		31A
1625	5006	3	97	20	C	633								4.20	.00		13.0			
														66						
06/15/70	5001		9.0	70	F 7.6		28	28	195	9.6	.0	87	62	331	--	--	--	780	185	30A
1605	5006	3	103	21	C	1360	1.40	2.30	8.48	.25	.00	1.43	1.29	9.33			9.0	706	114	
							11	19	68	2		11	9	69						
07/15/70	5001		9.2	70	F 7.7		--	--	--	--	--	--	--	920	.4	--	--	1970		45A
1620	5006	3	106	21	C	3270								25.94	.01		9.0			
														79						
08/13/70	5001		8.7	75	F 7.8		--	--	--	--	--	--	--	770	.5	--	--	1620		45A
1555	5006	3	106	24	C	2760								21.71	.01		12.0			
														79						
09/09/70	5001		8.7	70	F 7.0		13	12	70	3.8	.0	80	23	110	.1	--	--	312	82	36A
1420	5006	3	99	21	C	526	.65	.99	3.05	.10	.00	1.31	.48	3.10	.00		14.0	286	17	
							14	21	64	2		27	10	63						
B9 D 801.6 145.2 SAN JOAQUIN RIVER AT ANTIOCH BRIDGE (AT LIGHT 12)																				
10/20/69	5001		9.2	61	F 7.4		--	--	--	--	--	--	--	22	.9	--	--	129		12A
1220	5006	3	94	16	C	240								.62	.01		13.0			
														26						
11/21/69	5001		9.0	57	F 7.1		--	--	--	--	--	--	--	26	.4	--	--	136		18A
1340	5006	3	88	14	C	210								.73	.01		14.0			
														35						
02/11/70	5001		9.9	52	F 7.1		--	--	--	--	--	--	--	13	1.7	--	--	119		70A
1030	5006	3	91	11	C	190								.37	.03		16.0			
														19	2					
03/16/70	5001		10.0	59	F 7.3		15	6.8	16	1.7	.0	63	26	19	1.3	.30	--	140	66	31A
1245	5006	3	100	15	C	220	.75	.56	.70	.04	.00	1.03	.54	.54	.02		16.0	134	14	
							37	27	34	2		48	25	25	1					
04/15/70	5001		9.8	57	F 7.5		--	--	--	--	--	--	--	49	1.3	--	--	198		
1215	5006	3	96	14	C	330								1.38	.02		17.0			
														42	1					
05/20/70	5001		8.8	66	F 7.7		--	--	--	--	--	--	--	67	--	--	--	239		23A
1840	5006	3	96	19	C	380								1.89			12.0			
														50						
06/17/70	5001		8.7	70	F 7.6		24	22	136	9.6	.0	86	50	228	.2	--	--	564	151	34A
1725	5006	3	99	21	C	915	1.20	1.81	5.92	.25	.00	1.41	1.04	6.43	.00		10.0	523	80	
							13	20	64	3		16	12	72						
07/16/70	5001		9.1	70	F 7.9		--	--	--	--	--	--	--	455	.4	--	--	1010		40A
1745	5006	3	104	21	C	1730								12.83	.01		12.0			
														74						
08/14/70	5001		8.3	75	F 7.8		--	--	--	--	--	--	--	450	.4	--	--	980		40A
1655	5006	3	101	24	C	1690								12.69	.01		12.0			
														75						
09/11/70	5001		9.0	73	F 7.5		12	10	45	2.8	.0	78	20	65	--	--	--	222	71	22A
1600	5006	3	107	23	C	375	.60	.82	1.96	.07	.00	1.28	.42	1.83			14.0	208	7	
							17	24	57	2		34	11	49						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
							MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
49 D 801.9 143.2 SAN JOAQUIN RIVER AT BLIND POINT																				
10/01/69	5050						--	--	--	--	--	--	--	16	--	--	--			
1320	5050					193								.45			--			
														23						
10/16/69	5050						--	--	--	--	--	--	--	22	--	--	--			
1445	5050					204								.62			--			
														30						
11/05/69	5050						--	--	--	--	--	--	--	15	--	--	--			
1205	5050					184								.42			--			
														23						
11/20/69	5050						--	--	--	--	--	--	--	18	--	--	--			
1015	5050					195								.51			--			
														26						
12/04/69	5050						--	--	--	--	--	--	--	24	--	--	--	139		
1335	5050					223								.68			--			
														30						
12/18/69	5050						--	--	--	--	--	--	--	22	--	--	--			
1050	5050					227								.62			--			
														27						
01/08/70	5050						--	--	--	--	--	--	--	25	--	--	--			
1035	5050					244								.71			--			
														29						
01/26/70	5050						--	--	--	--	--	--	--	7.6	--	--	--			
1220	5050					115								.21			--			
														18						
02/06/70	5050						--	--	--	--	--	--	--	17	--	--	--			
1425	5050					185								.48			--			
														26						
02/20/70	5050						--	--	--	--	--	--	--	23	--	--	--			
1230	5050					224								.65			--			
														29						
03/10/70	5050						--	--	--	--	--	--	--	31	--	--	--			
1420	5050					283								.87			--			
														31						
03/20/70	5050						--	--	--	--	--	--	--	22	--	--	--			
1230	5050					223								.62			--			
														28						
04/02/70	5050						--	--	--	--	--	--	--	21	--	--	--			
0850	5050					226								.59			--			
														26						
04/06/70	5050						--	--	--	--	--	--	--	23	--	--	--			
1850	5050					244								.65			--			
														27						
04/10/70	5050						--	--	--	--	--	--	--	18	--	--	--			
1125	5050					223								.51			--			
														23						
04/15/70	5050						--	--	--	--	--	--	--	18	--	--	--			
1000	5050					228								.51			--			
														22						
04/23/70	5050						--	--	--	--	--	--	--	38	--	--	--			
1335	5050					299								1.07			--			
														36						
04/30/70	5050						--	--	--	--	--	--	--	30	--	--	--			
1030	5050					260								.85			--			
														33						
05/07/70	5050						--	--	--	--	--	--	--	16	--	--	--			
1140	5050					213								.45			--			
														21						
05/14/70	5050						--	--	--	--	--	--	--	29	--	--	--			
1140	5050					256								.82			--			
														32						
05/21/70	5050						--	--	--	--	--	--	--	22	--	--	--			
1155	5050					236								.62			--			
														26						
05/28/70	5050						--	--	--	--	--	--	--	58	--	--	--			
1220	5050					378								1.64			--			
														43						
06/04/70	5050						--	--	--	--	--	--	--	72	--	--	--			
1635	5050					433								2.03			--			
														47						
06/10/70	5050						--	--	--	--	--	--	--	167	--	--	--			
0945	5050					784								4.71			--			
														60						
06/15/70	5050						--	--	--	--	--	--	--	62	--	--	--			
1020	5050					399								1.75			--			
														44						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD PH	LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
89 D 801.9 143.2 SAN JOAQUIN RIVER AT BLIND POINT CONTINUED																				
06/23/70	5050						--	--	--	--	--	--	--	78	--	--	--			
1340	5050					459								2.20			--			
														48						
07/06/70	5050						--	--	--	--	--	--	--	106	--	--	--			
	5050					550								2.99			--			
														54						
07/16/70	5050						--	--	--	--	--	--	--	90	--	--	--			
1030	5050					486								2.54			--			
														52						
07/30/70	5050						--	--	--	--	--	--	--	127	--	--	--			
1045	5050					615								3.58			--			
														58						
08/12/70	5050						--	--	--	--	--	--	--	194	--	--	--			
1235	5050					858								5.47			--			
														64						
08/26/70	5050						--	--	--	--	--	--	--	66	--	--	--			
1125	5050					387								1.86			--			
														48						
09/10/70	5050						--	--	--	--	--	--	--	30	--	--	--			
1600	5050					252								.85			--			
														34						
09/22/70	5050			58.3F		205	--	--	--	--	--	--	--	15	--	--	--			
1415	5050			20.1C		114								.42			--			
														37						
89 D 801.9 151.4 NEW YORK SLOUGH NEAR PITTSBURG POINT																				
10/21/69	5001		8.9	63 F	7.4		--	--	--	--	--	--	--	--	--	--	--			27A
1655	5006	3	93	17 C		440											--			
11/21/69	5001		9.1	57 F	7.1		--	--	--	--	--	--	--	--	--	--	--			27A
1210	5006	3	89	14 C		400											--			
02/12/70	5001		10.2	52 F	7.1		--	--	--	--	--	--	--	--	--	--	--			70A
0900	5006	3	93	11 C		190											--			
03/19/70	5001		10.4	55 F	7.3		--	--	--	--	--	--	--	--	--	--	--	139		40A
1510	5006	3	100	13 C		200											--			
04/15/70	5001		9.8	57 F	7.6		--	--	--	--	--	--	--	18	2.2	--	--			
1145	5006	3	96	14 C		570								.51	.04		--			
														9	1					
05/20/70	5001		8.6	66 F	7.6		--	--	--	--	--	--	--	--	--	--	--			29A
1815	5006	3	95	19 C		1740											--			
06/17/70	5001		9.1	68 F	7.6		46	70	520	26	.0	88	145	954	.4	--	--	2040	403	35A
1700	5006	3	103	20 C		3320	2.30	5.75	22.62	.67	.00	1.44	3.02	26.90	.01		--	1805	331	
							7	18	72	2		5	10	86						
07/16/70	5001		9.2	70 F	7.9		--	--	--	--	--	--	--	--	--	--	--			34A
1720	5006	3	107	21 C		4900											--			
08/14/70	5001		8.9	75 F	7.8		--	--	--	--	--	--	--	--	--	--	--			50A
1610	5006	3	110	24 C		5400											--			
09/11/70	5001		8.9	72 F	7.5		--	--	--	--	--	--	--	230	.9	--	--	554		33A
1530	5006	3	104	22 C		940								6.49	.01		--			
														69						
89 D 802.6 136.8 FRANKS TRACT NEAR RUSSOS LANDING																				
10/20/69	5001		9.8	61 F	7.4		--	--	--	--	--	--	--	13	.9	--	--	132		14A
1615	5006	3	101	16 C		200								.37	.01		13.0			
														19	1					
11/24/69	5001		9.5	54 F	7.1		--	--	--	--	--	--	--	18	.9	--	--	124		10A
1645	5006	3	89	12 C		180								.51	.01		16.0			
														28	1					
02/11/70	5001		9.7	52 F	7.1		--	--	--	--	--	--	--	18	2.2	--	--	155		50A
1300	5006	3	89	11 C		230								.51	.04		15.0			
														22	2					
03/16/70	5001		10.2	61 F	7.3		18	7.8	23	2.1	.0	63	36	26	2.3	.40	--	175	77	29A
1500	5006	3	105	16 C		260	.90	.64	1.00	.05	.00	1.03	.75	.73	.04		16.0	163	26	
							35	25	39	2		40	29	29	2					
04/16/70	5001		10.3	57 F	7.7		--	--	--	--	--	--	--	15	1.4	--	--	124		22A
1515	5006	3	101	14 C		200								.42	.02		18.0			
														21	1					
05/18/70	5001		9.0	68 F	7.7		--	--	--	--	--	--	--	15	.2	--	--	129		39A
1750	5006	3	101	20 C		200								.42	.00		13.0			
														21						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
							MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				
B9 D 802.6 136.8 FRANKS TRACT NEAR RUSSOS LANDING CONTINUED																				
06/15/70	5001		9.7	72 F	7.6		16	10	37	2.7	.0	85	22	48	.3	--	--	197	81	28A
1745	5006	3	113	22 C		330	.80	.82	1.61	.07	.00	1.39	.46	1.35	.00		12.0	191	12	
							24	25	49	2		43	14	42						
07/15/70	5001		9.1	70 F	7.6		--	--	--	--	--	--	--	70	1.0	--	--	232		36A
1745	5006	3	104	21 C		390								1.97	.02		20.0			
														51	1					
08/13/70	5001		8.7	75 F	7.8		--	--	--	--	--	--	--	76	.5	--	--	249		29A
1810	5006	3	105	24 C		408								2.14	.01		14.0			
														52						
09/09/70	5001		9.3	72 F	7.4		12	7.4	18	1.6	.0	78	11	19	--	--	--	122	61	20A
1600	5006	3	108	22 C		221	.60	.61	.78	.04	.00	1.28	.23	.54			14.0	122	4	
							30	30	38	2		58	10	24						
B9 D 802.6 147.6 SHERMAN LAKE NEAR ANTIOCH																				
10/20/69	5001		9.2	61 F	7.4		--	--	--	--	--	--	--	36	.4	--	--	155		15A
1100	5006	3	94	16 C		290								1.02	.01		13.0			
														35						
11/21/69	5001		9.2	57 F	7.2		--	--	--	--	--	--	--	25	.9	--	--	136		15A
1310	5006	3	90	14 C		200								.71	.01		16.0			
														36	1					
02/12/70	5001		10.4	52 F	7.2		--	--	--	--	--	--	--	3.0	.9	--	--	92		100A
0945	5006	3	95	11 C		130								.08	.01		18.0			
														6	1					
03/20/70	5001		10.6	57 F	7.3		13	7.8	12	1.4	.0	70	20	10	1.3	.20	--	124	66	40A
1415	5006	3	104	14 C		200	.65	.64	.52	.04	.00	1.15	.42	.28	.02		17.0	118	7	
							35	35	28	2		61	22	15	1					
04/17/70	5001		10.2	59 F	7.6		--	--	--	--	--	--	--	60	1.4	--	--	220		36A
1335	5006	3	102	15 C		380								1.69	.02		17.0			
														44	1					
05/19/70	5001		8.5	66 F	7.5		--	--	--	--	--	--	--	76	.9	--	--	257		35A
1700	5006	3	93	19 C		402								2.14	.01		14.0			
														53						
06/16/70	5001		9.1	68 F	7.5		24	28	175	9.6	.0	86	61	309	.3	--	--	747	175	45A
1525	5006	3	102	20 C		1210	1.20	2.30	7.61	.25	.00	1.41	1.27	8.71	.00		10.0	660	105	
							11	20	67	2		12	11	76						
07/14/70	5001		9.2	73 F	7.8		--	--	--	--	--	--	--	130	.3	--	--	1140		50A
1415	5006	3	109	23 C		1980								3.67	.00		12.0			
														19						
08/12/70	5001		9.4	73 F	7.6		--	--	--	--	--	--	--	400	.7	--	--	865		65A
1400	5006	3	112	23 C		1550								11.28	.01		15.0			
														73						
09/10/70	5001		8.7	73 F	7.5		12	11	49	3.0	.0	80	19	71	.2	--	--	239	75	40A
1425	5006	3	103	23 C		387	.60	.90	2.13	.08	.00	1.31	.40	2.00	.00		14.0	219	10	
							16	24	57	2		35	11	54						
B9 D 802.7 123.3 DISAPPOINTMENT SLOUGH NEAR LODI																				
10/23/69	5001		7.9	60.8F	7.2		15	6.0	15	5.0	.0	91	11	12	.9	--	--	140	62	30A
1415	5006	3	81	16.0C		210	.75	.49	.65	.13	.00	1.49	.23	.34	.01		13.0	123	13	
							37	24	32	6		72	11	16						
11/14/69	5001		12.0	60.8F	7.7		--	--	--	--	--	--	--	--	--	--	--			16A
1215	5006	3	123	16.0C		280											--			
12/18/69	5001		8.4	50.0F	7.1		--	--	--	--	--	--	--	--	--	--	--			17A
1050	5006	3	75	10.0C		340											--			
01/12/70	5001		9.9	48.2F	7.2		30	13	45	5.0	.0	104	55	60	8.9	--	--	295	129	30A
0845	5006	3	86	9.0C		460	1.50	1.07	1.96	.13	.00	1.71	1.14	1.69	.14		15.0	284	43	
							32	23	42	3		37	24	36	3					
02/17/70	5001		8.1	53.6F	7.1		--	--	--	--	--	--	--	--	--	--	--			40A
1100	5006	3	76	12.0C		280											--			
03/12/70	5001		6.9	55.4F	6.9		--	--	--	--	--	--	--	--	--	--	--			60A
1005	5006	3	66	13.0C		230											--			
04/21/70	5001		11.0	62.6F	7.9		18	8.2	11	1.1	.0	84	14	12	.4	.20	--	120	79	50A
1300	5006	3	115	17.0C		195	.90	.67	.48	.03	.00	1.38	.29	.34	.01		9.0	116	10	
							43	32	23	1		68	14	17						
05/12/70	5001		10.5	62.6F	8.2		--	--	--	--	--	--	--	--	--	--	--			38A
1235	5006	3	110	17.0C		260											--			
06/10/70	5001		8.3	68.0F	7.4		--	--	--	--	--	--	--	--	--	--	--			70A
1215	5006	3	93	20.0C		280											--			
07/08/70	5001		6.8	78.8F	7.4		22	11	24	2.5	.0	110	20	35	1.3	--	--	201	100	50A
1145	5006	3	85	26.0C		320	1.10	.90	1.04	.06	.00	1.80	.42	.99	.02		12.0	183	10	
							35	29	34	2		56	13	31	1					

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
							MINERAL CONSTITUENTS IN							MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE			MILLIGRAMS PER LITER			
89 D 802.7 123.3 DISAPPOINTMENT SLOUGH NEAR LODI CONTINUED																				
08/11/70	5001		7.4	78.8F	7.3		--	--	--	--	--	--	--	--	--	--	--			60A
1240	5006	3	93	26.0C		233											--			
09/17/70	5001		8.6	71.6F	7.3		--	--	--	--	--	--	--	--	--	--	--			31A
1140	5006	3	100	22.0C		186											--			
89 D 803.1 141.3 SAN JOAQUIN RIVER AT JERSEY POINT																				
10/20/69	5001		9.8	61 F	7.6		--	--	--	--	--	--	--	14	.9	--	--	113		11A
1325	5006	3	101	16 C		200								.39	.01		13.0			
														20	1					
11/24/69	5001		9.4	55 F	7.2		--	--	--	--	--	--	--	18	.9	--	--	122		14A
1430	5006	3	90	13 C		180								.51	.01		16.0			
														28	1					
02/11/70	5001		10.1	52 F	7.1		--	--	--	--	--	--	--	12	1.8	--	--	126		75A
1120	5006	3	92	11 C		180								.34	.03		16.0			
														19	2					
03/19/70	5001		10.6	55 F	7.6		16	7.7	16	1.6	.0	63	28	18	2.2	.30	--	145	72	36A
1615	5006	3	102	13 C		220	.80	.63	.70	.04	.00	1.03	.58	.51	.04		16.0	137	20	
							37	29	32	2		48	27	24	2					
04/10/70	5001		9.4	63 F	7.6		--	--	--	--	--	--	--	--	1.6	--	--			34A
1430	5006	11	99	17 C		220									.03		--			
															1					
04/16/70	5001		10.2	57 F	7.6		--	--	--	--	--	--	--	21	1.3	--	--	139		21A
1450	5006	3	100	14 C		229								.59	.02		17.0			
														26	1					
04/24/70	5001		10.0	60.4F	7.5		--	--	--	--	--	--	--	17	1.2	--	--	135		52A
1235	5006	8	102	15.8C		260								.48	.02		17.0			
														18	1					
05/01/70	5001		10.7	63 F	7.7		--	--	--	--	--	--	--	23	1.3	--	--	152		36A
1230	5086	26	112	17 C		290								.65	.02		16.0			
	5010													22	1					
05/06/70	5001		9.7	63 F	7.6		--	--	--	--	--	--	--	--	--	--	--			60A
1450	5006	23	102	17 C		270											--			
05/07/70	5001		9.8	64 F	7.6		--	--	--	--	--	--	--	18	.4	--	--	129		41A
1320	5006	22	105	18 C		240								.51	.01		14.0			
														21						
05/14/70	5001		9.9	66 F	7.7		--	--	--	--	--	--	--	19	.4	--	--	136		20A
1200	5006	21	108	19 C		240								.54	.01		14.0			
														22						
05/18/70	5001		9.5	68 F	7.7		--	--	--	--	--	--	--	12	.2	--	--	142		23A
1720	5006	3	106	20 C		220								.34	.00		13.0			
														15						
05/21/70	5001		8.5	68 F	7.4		--	--	--	--	--	--	--	--	--	--	--			45A
1115	5006	21	95	20 C		240											--			
05/28/70	5001		9.2	68 F	7.3		--	--	--	--	--	--	--	40	.3	--	--	188		38A
1230	5006	22	103	20 C		281								1.13	.00		12.0			
														40						
06/04/70	5001		8.1	73 F	7.5		--	--	--	--	--	--	--	30	--	--	--	172		45A
1248	5006	19	96	23 C		258								.85			11.0			
														33						
06/10/70	5001		8.8	68 F	7.6		--	--	--	--	--	--	--	74	.3	--	--	262		45A
1100	5006	21	98	20 C		415								2.09	.00		12.0			
														50						
06/15/70	5001		9.7	70 F	7.6		14	7.6	19	1.8	.0	83	15	20	1.2	--	--	144	67	32A
1715	5006	3	111	21 C		220	.70	.62	.83	.05	.00	1.36	.31	.56	.02		14.0	134	2	
							32	28	38	2		60	14	25	1					
06/17/70	5001		8.3	70 F	7.5		--	--	--	--	--	--	--	--	--	--	--			50A
0915	5006	3	95	21 C		340											--			
06/25/70	5001		8.2	70 F	7.5		--	--	--	--	--	--	--	74	.4	--	--	258		50A
1340	5006	4	94	21 C		395								2.09	.01		13.0			
														53						
07/02/70	5001		7.7	73 F	7.3		--	--	--	--	--	--	--	56	.8	--	--	214		55A
1150	5006	3	91	23 C		343								1.58	.01		13.0			
														46						
07/07/70	5050						--	--	--	--	--	--	--	63	--	--	--	218		
	5050					391								1.78			--			
														46						
07/09/70	5001		8.1	72 F	7.5		--	--	--	--	--	--	--	215	.3	--	--	521		45A
0955	5006	6	94	22 C		920								6.06	.00		15.0			
														66						
07/15/70	5001		9.1	70 F	7.7		--	--	--	--	--	--	--	190	.5	--	--	464		39A
1720	5006	3	104	21 C		790								5.36	.01		12.0			
														68						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
							MINERAL CONSTITUENTS IN							MILLIGRAMS PER LITER				MILLIGRAMS PER LITER		
														MILLIEQUIVALENTS PER LITER						
														PERCENT REACTANCE VALUE						
89 D 803.1 141.3 SAN JOAQUIN RIVER AT JERSEY POINT CONTINUED																				
07/16/70	5050						--	--	--	--	--	--	--	77	--	--	--			
1115	5050					436								2.17			--			
														50						
07/16/70	5001		8.1	72 F	7.5		--	--	--	--	--	--	--	--	--	--	--			15A
1145	5006	4	94	22 C		475											--			
07/23/70	5001		7.8	73 F	7.4		--	--	--	--	--	--	--	230	.7	--	--	542		50A
1200	5006	4	93	23 C		885								6.49	.01		14.0			
														73						
07/30/70	5001		7.6	73 F	7.4		--	--	--	--	--	--	--	102	.8	--	--	289		60A
1030	5006	3	90	23 C		555								2.88	.01		14.0			
														52						
07/30/70	5050						--	--	--	--	--	--	--	103	--	--	--			
1135	5050					520								2.90			--			
														56						
08/06/70	5001		7.8	75 F	7.4		--	--	--	--	--	--	--	92	.7	--	--	260		55A
1400	5006	3	94	24 C		482								2.59	.01		15.0			
														54						
08/12/70	5050						--	--	--	--	--	--	--	120	--	--	--			
1315	5050					583								3.38			--			
														58						
08/13/70	5001		8.4	75 F	7.7		--	--	--	--	--	--	--	185	.6	--	--	473		30A
1735	5006	3	102	24 C		807								5.22	.01		14.0			
														65						
08/20/70	5001		8.5	72 F	7.5		--	--	--	--	--	--	--	77	.5	--	--	234		45A
1300	5006	4	99	22 C		424								2.17	.01		14.0			
														51						
08/26/70	5050						--	--	--	--	--	--	--	55	--	--	--			
1200	5050					342								1.55			--			
														45						
08/27/70	5001		8.5	70 F	7.4		--	--	--	--	--	--	--	47	.6	--	--	165		30A
1230	5006	5	97	21 C		280								1.33	.01		14.0			
														47						
09/03/70	5050						--	--	--	--	--	--	--	28	--	--	--			
0930	5050					246								.79			--			
														32						
09/03/70	5001		8.4	72 F	7.4		--	--	--	--	--	--	--	31	.3	--	--	146		30A
1400	5006	4	98	22 C		240								.87	.00		15.0			
														36						
09/09/70	5001		9.0	72 F	7.3		12	7.7	22	1.8	.0	78	11	26	--	--	--	147	62	20A
1530	5006	3	105	22 C		231	.60	.63	.96	.05	.00	1.28	.23	.73			15.0	135	3	
							27	28	43	2		55	10	32						
09/17/70	5001		8.2	70 F	7.3		--	--	--	--	--	--	--	13	--	--	--	116		33A
1040	5006	4	93	21 C		150								.37			15.0			
														25						
09/24/70	5001		8.8	68.4F	7.3		--	--	--	--	--	--	--	12	.2	--	--	125		24A
1230	5006	5	99	20.2C		179								.34	.00		15.0			
														19						
89 D 803.7 136.1 FALSE RIVER AT WEBB PUMP																				
10/20/69	5001		9.6	61 F	7.4		--	--	--	--	--	--	--	--	--	--	--			13A
1545	5006	3	99	16 C		190											--			
11/24/69	5001		9.4	55 F	7.1		--	--	--	--	--	--	--	--	--	--	--			12A
1615	5006	3	90	13 C		190											--			
02/11/70	5001		9.4	52 F	6.9		--	--	--	--	--	--	--	--	--	--	--			45A
1245	5006	3	86	11 C		270											--			
03/16/70	5001		9.6	59 F	7.2		--	--	--	--	--	--	--	26	2.6	--	--	175		35A
1415	5006	3	96	15 C		260								.73	.04		16.0			
														28	2					
04/16/70	5001		10.2	57 F	7.5		--	--	--	--	--	--	--	--	--	--	--			27A
1535	5006	3	100	14 C		210											--			
05/18/70	5001		9.1	68 F	7.8		--	--	--	--	--	--	--	--	--	--	--			34A
1810	5006	3	102	20 C		200											--			
05/27/70	5050						--	--	--	--	--	--	--	19	--	--	--	133		
1005	5050					224								.54			--			
														24						
06/04/70	5050						--	--	--	--	--	--	--	23	--	--	--	140		
1535	5050					249								.65			--			
														26						
06/10/70	5050						--	--	--	--	--	--	--	29	--	--	--	149		
0835	5050					272								.82			--			
														30						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
							MINERAL CONSTITUENTS IN							MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE			MILLIGRAMS PER LITER			
89 D 803.7 136.1 FALSE RIVER AT WEBB PUMP														CONTINUED						
06/15/70	5050						--	--	--	--	--	--	--	26	--	--	--			
1135	5050					258								.73			--			
														28						
06/15/70	5001		9.0	70	F 7.5		--	--	--	--	--	--	--	32	.4	--	--	175		35A
1810	5006	3	103	21	C	270								.90	.01		11.0			
														33						
06/23/70	5050						--	--	--	--	--	--	--	29	--	--	--	166		
1245	5050					270								.82			--			
														30						
07/01/70	5050						--	--	--	--	--	--	--	38	--	--	--	174		
1335	5050					297								1.07			--			
														36						
07/15/70	5001		9.0	70	F 7.5		--	--	--	--	--	--	--	--	--	--	--			36A
1805	5006	3	103	21	C	350											--			
07/16/70	5050						--	--	--	--	--	--	--	50	--	--	--	184		
0930	5050					329								1.41			--			
														43						
07/30/70	5050						--	--	--	--	--	--	--	62	--	--	--	197		
1230	5050					357								1.75			--			
														49						
08/12/70	5050						--	--	--	--	--	--	--	41	--	--	--	168		
1045	5050					289								1.16			--			
														40						
08/13/70	5001		8.7	75	F 7.4		--	--	--	--	--	--	--	--	--	--	--			27A
1830	5006	3	105	24	C	733											--			
09/04/70	5050						--	--	--	--	--	--	--	25	--	--	--	141		
0930	5050					227								.71			--			
														31						
09/09/70	5001		9.3	75	F 7.3		--	--	--	--	--	--	--	17	.4	--	--	123		16A
1620	5006	3	112	24	C	203								.48	.01		14.0			
														24						
89 D 804.4 134.2 OLD RIVER AT MOUTH																				
10/20/69	5001		9.2	61	F 7.3		--	--	--	--	--	--	--	15	1.3	--	--	116		10A
1520	5006	3	94	16	C	200								.42	.02		14.0			
														21	1					
11/24/69	5001		9.2	54	F 7.0		--	--	--	--	--	--	--	18	.4	--	--	123		14A
1550	5006	3	86	12	C	180								.51	.01		16.0			
														28	1					
02/11/70	5001		10.1	52	F 7.0		--	--	--	--	--	--	--	15	1.8	--	--	126		55A
1225	5006	3	92	11	C	190								.42	.03		16.0			
														22	2					
03/16/70	5001		10.0	59	F 7.3		15	6.4	13	1.7	.0	62	19	15	1.8	.40	--	125	64	32A
1430	5006	3	100	15	C	190	.75	.53	.57	.04	.00	1.02	.40	.42	.03		16.0	119	13	
							40	28	30	2		55	21	22	2					
04/16/70	5001		9.9	57	F 7.6		--	--	--	--	--	--	--	11	1.3	--	--	111		22A
1550	5006	3	97	14	C	180								.31	.02		18.0			
														17	1					
05/18/70	5001		8.8	66	F 7.6		--	--	--	--	--	--	--	12	.9	--	--	129		33A
1825	5006	3	96	19	C	200								.34	.01		15.0			
														17	1					
06/15/70	5001		8.5	70	F 7.5		15	9.0	28	2.2	.0	84	19	33	.3	--	--	168	75	32A
1825	5006	3	97	21	C	270	.75	.74	1.22	.06	.00	1.38	.40	.93	.00		12.0	161	6	
							27	27	44	2		51	15	34						
07/15/70	5001		8.6	72	F 7.7		--	--	--	--	--	--	--	28	1.0	--	--	145		30A
1815	5006	3	100	22	C	230								.79	.02		16.0			
														34	1					
08/13/70	5001		8.6	75	F 7.6		--	--	--	--	--	--	--	28	.5	--	--	138		20A
1845	5006	3	104	24	C	222								.79	.01		15.0			
														36						
09/09/70	5001		8.9	72	F 7.1		12	6.7	12	1.3	.0	76	9.0	9.0	.2	--	--	106	58	10A
1640	5006	3	103	22	C	171	.60	.55	.52	.03	.00	1.25	.19	.25	.00		14.0	102	5	
							35	32	31	2		74	11	15						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER									MILLIGRAMS PER LITER				
							MILLIEQUIVALENTS PER LITER													
							PERCENT REACTANCE VALUE													
89 D 805.1 144.3 SACRAMENTO RIVER AT EMMATON																				
10/16/69	5001		9.2	63 F	7.5		--	--	--	--	--	--	--	--	--	--	--			16A
1025	5006	3	97	17 C		200											--			
11/25/69	5001		9.3	55 F	7.2		--	--	--	--	--	--	--	--	--	--	--			15A
1400	5006	3	89	13 C		180											--			
02/12/70	5001		10.5	52 F	7.2		--	--	--	--	--	--	--	--	--	--	--			90A
1005	5006	3	96	11 C		140											--			
03/20/70	5001		10.5	57 F	7.3		--	--	--	--	--	--	--	5.0	1.8	--	--	117		36A
1450	5006	3	103	14 C		160								.14	.03		17.0			
														9	2					
04/17/70	5001		10.5	59 F	7.5		--	--	--	--	--	--	--	--	--	--	--			23A
1405	5006	3	105	15 C		230											--			
05/19/70	5001		9.0	61 F	7.7		--	--	--	--	--	--	--	--	--	--	--			29A
1725	5006	3	92	16 C		300											--			
05/28/70	5050						--	--	--	--	--	--	--	74	--	--	--	245		
1055	5050					428								2.09			--			
														49						
06/04/70	5050						--	--	--	--	--	--	--	56	--	--	--	204		
1315	5050					381								1.58			--			
														41						
06/09/70	5050						--	--	--	--	--	--	--	53	--	--	--	195		
1525	5050					364								1.49			--			
														41						
06/15/70	5050						--	--	--	--	--	--	--	34	--	--	--	161		
0905	5050					286								.96			--			
														34						
06/16/70	5001		9.2	68 F	7.8		--	--	--	--	--	--	--	101	.9	--	--	306		35A
1600	5006	3	103	20 C		470								2.85	.01		14.0			
														61						
06/23/70	5050						--	--	--	--	--	--	--	105	--	--	--	320		
1445	5050					550								2.96			--			
														54						
07/01/70	5050						--	--	--	--	--	--	--	99	--	--	--	291		
1030	5050					518								2.79			--			
														54						
07/14/70	5001		9.2	72 F	7.9		--	--	--	--	--	--	--	--	--	--	--			40A
1450	5006	3	107	22 C		620											--			
07/16/70	5050						--	--	--	--	--	--	--	88	--	--	--	252		
1300	5050					466								2.48			--			
														53						
07/30/70	5050						--	--	--	--	--	--	--	90	--	--	--	255		
1400	5050					465								2.54			--			
														55						
08/12/70	5050						--	--	--	--	--	--	--	71	--	--	--	220		
0935	5050					398								2.00			--			
														50						
08/12/70	5001		8.8	73 F	7.5		--	--	--	--	--	--	--	--	--	--	--			37A
1440	5006	3	104	23 C		436											--			
09/03/70	5050						--	--	--	--	--	--	--	16	--	--	--	127		
0820	5050					199								.45			--			
														23						
09/10/70	5001		8.7	72 F	7.3		--	--	--	--	--	--	--	9.0	.9	--	--	110		28A
1450	5006	3	101	22 C		167								.25	.01		16.0			
														15	1					
89 D 805.2 124.1 WHITE SLOUGH AT RIO BLANCO TRACT NEAR LODI																				
10/23/69	5001		5.2	62.6F	7.5		23	9.0	57	11	.0	161	25	46	17	.30	--	340	95	25A
1330	5006	3	55	17.0C		490	1.15	.74	2.48	.28	.00	2.64	.52	1.30	.28		50.0	320	38	
							25	16	53	6		56	11	27	6					
12/18/69	5001		6.2	53.6F	7.1		--	--	--	--	--	--	--	--	--	--	--			17A
1115	5006	3	58	12.0C		600											--			
01/12/70	5001		7.0	50.0F	7.3		40	18	68	7.5	.0	231	35	66	8.9	--	--	395	174	24A
0920	5006	3	63	10.0C		560	2.00	1.48	2.96	.19	.00	3.79	.73	1.86	.14		37.0	396	16	
							30	22	45	3		58	11	29	2					
04/21/70	5001		8.8	59.0F	7.3		60	25	49	3.9	.0	260	32	74	24	.40	--	446	253	45A
1220	5006	3	88	15.0C		724	2.99	2.06	2.13	.10	.00	4.26	.67	2.09	.39		41.0	440	40	
							41	28	29	1		57	9	28	5					
05/12/70	5001		7.5	62.6F	7.2		--	--	--	--	--	--	--	--	--	--	--			34A
1150	5006	3	79	17.0C		560											--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
							MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				
89 D 805.2 124.1 WHITE SLOUGH AT RIO BLANCO TRACT NEAR LODI CONTINUED																				
06/10/70	5001		7.3	68.0F	7.4		--	--	--	--	--	--	--	--	--	--	--			60A
1130	5006	3	82	20.0C		440											--			
07/08/70	5001		8.0	78.8F	7.5		30	15	37	5.7	.0	162	18	46	2.7	.20	--	281	137	60A
1055	5006	3	101	26.0C		430	1.50	1.23	1.61	.15	.00	2.66	.37	1.30	.04		27.0	263	4	
							33	27	36	3		61	8	30	1	.				
08/11/70	5001		4.7	77.0F	7.1		--	--	--	--	--	--	--	--	--	--	--			28A
1210	5006	3	58	25.0C		430											--			
09/17/70	5001		4.1	69.8F	7.2		--	--	--	--	--	--	--	--	--	--	--			19A
1105	5006	3	47	21.0C		542											--			
89 D 805.2 126.0 WHITE SLOUGH NEAR LODI																				
10/23/69	5001		8.1	60.8F	7.1		12	6.0	14	2.0	.0	73	8.0	13	3.5	.20	--	123	55	21A
1215	5006	3	83	16.0C		190	.60	.49	.61	.05	.00	1.20	.17	.37	.06		17.0	112	6	
							34	28	35	3		67	9	21	3					
11/14/69	5001		8.1	57.2F	7.1		--	--	--	--	--	--	--	--	--	--	--			11A
1105	5006	3	80	14.0C		180											--			
12/18/69	5001		8.9	51.8F	7.1		--	--	--	--	--	--	--	--	--	--	--			14A
1145	5006	3	82	11.0C		330											--			
01/12/70	5001		10.5	48.2F	7.3		29	14	40	3.5	.0	116	40	55	7.8	--	--	293	130	21A
1010	5006	3	92	9.0C		430	1.45	1.15	1.74	.09	.00	1.90	.83	1.55	.13		20.0	267	35	
							33	26	39	2		43	19	35	3					
02/17/70	5001		9.1	53.6F	7.2		--	--	--	--	--	--	--	--	--	--	--			28A
1015	5006	3	85	12.0C		340											--			
03/12/70	5001		7.9	55.4F	7.1		--	--	--	--	--	--	--	--	--	--	--			30A
0920	5006	3	76	13.0C		330											--			
04/21/70	5001		9.7	59.0F	7.3		17	8.6	6.8	1.1	.0	78	12	14	1.8	.30	--	117	78	45A
1135	5006	3	97	15.0C		193	.85	.71	.30	.03	.00	1.28	.25	.39	.03		18.0	119	14	
							45	38	16	2		66	13	20	2					
05/12/70	5001		8.6	62.6F	7.1		--	--	--	--	--	--	--	--	--	--	--			39A
1100	5006	3	90	17.0C		180											--			
06/10/70	5001		7.5	68.0F	7.1		--	--	--	--	--	--	--	--	--	--	--			40A
1045	5006	3	84	20.0C		210											--			
07/08/70	5001		6.8	77.0F	7.3		18	10	19	1.9	.0	89	11	31	.9	--	--	177	86	34A
1000	5006	3	84	25.0C		270	.90	.82	.83	.05	.00	1.46	.23	.87	.01		22.0	158	13	
							35	32	32	2		57	9	34						
08/11/70	5001		7.2	77.0F	7.1		--	--	--	--	--	--	--	--	--	--	--			30A
1130	5006	3	89	25.0C		180											--			
09/17/70	5001		7.8	69.8F	7.1		--	--	--	--	--	--	--	--	--	--	--			22A
1025	5006	3	89	21.0C		191											--			
89 D 805.8 140.1 SAN JOAQUIN RIVER AT TWITCHELL ISLAND																				
10/20/69	5001		9.3	61 F	7.5		--	--	--	--	--	--	--	--	--	--	--			9A
1425	5006	3	95	16 C		180											--			
11/24/69	5001		9.5	54 F	7.2		--	--	--	--	--	--	--	--	--	--	--			17A
1500	5006	3	89	12 C		170											--			
02/11/70	5001		10.5	52 F	7.1		--	--	--	--	--	--	--	--	--	--	--			60A
1150	5006	3	96	11 C		160											--			
03/19/70	5001		10.6	55 F	7.5		--	--	--	--	--	--	--	14	2.2	--	--	130		35A
1640	5006	3	102	13 C		200								.39	.04		16.0			
														20	2					
04/17/70	5001		10.5	57 F	7.6		--	--	--	--	--	--	--	--	--	--	--			21A
1545	5006	3	103	14 C		200											--			
05/19/70	5001		9.1	64 F	7.8		--	--	--	--	--	--	--	--	--	--	--			22A
1930	5006	3	98	18 C		200											--			
06/16/70	5001		9.4	68 F	7.8		--	--	--	--	--	--	--	41	.4	--	--	187		27A
1810	5006	3	105	20 C		300								1.16	.01		12.0			
														39						
07/14/70	5001		9.1	73 F	7.8		--	--	--	--	--	--	--	--	--	--	--			32A
1712	5006	3	108	23 C		460											--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
89 D 805.8 140.1 SAN JOAQUIN RIVER AT TWITCHELL ISLAND CONTINUED																				
08/12/70	5001		8.7	75 F	7.5		--	--	--	--	--	--	--	--	--	--	--			26A
1630	5006	3	105	24 C		496											--			
09/10/70	5001		9.1	73 F	7.5		--	--	--	--	--	--	--	16	.4	--	--	120		18A
1630	5006	3	108	23 C		212								.45	.01		17.0			
														21						
89 D 806.4 142.0 THREE MILE SLOUGH AT SACRAMENTO RIVER																				
10/16/69	5001		9.5	63 F	7.6		--	--	--	--	--	--	--	--	--	--	--			14A
1110	5006	3	100	17 C		170											--			
11/25/69	5001		9.4	55 F	7.2		--	--	--	--	--	--	--	--	--	--	--			14A
1445	5006	3	90	13 C		160											--			
02/12/70	5001		10.4	52 F	7.3		--	--	--	--	--	--	--	--	--	--	--			90A
1025	5006	3	95	11 C		130											--			
03/20/70	5001		10.8	57 F	7.3		--	--	--	--	--	--	--	7.0	.9	--	--	123		45A
1510	5006	3	106	14 C		200								.20	.01		17.0			
														10	1					
04/17/70	5001		10.5	57 F	7.6		--	--	--	--	--	--	--	--	--	--	--			18A
1420	5006	3	103	14 C		190											--			
05/19/70	5001		9.2	64 F	7.8		--	--	--	--	--	--	--	--	--	--	--			22A
1750	5006	3	99	18 C		210											--			
06/16/70	5001		9.4	68 F	7.8		--	--	--	--	--	--	--	33	.9	--	--	165		36A
1620	5006	3	105	20 C		270								.93	.01		15.0			
														34						
07/14/70	5001		9.2	72 F	7.9		--	--	--	--	--	--	--	--	--	--	--			35A
1525	5006	3	107	22 C		360											--			
08/12/70	5001		9.0	73 F	7.6		--	--	--	--	--	--	--	--	--	--	--			25A
1500	5006	3	107	23 C		314											--			
09/10/70	5001		8.9	72 F	7.2		--	--	--	--	--	--	--	19	.9	--	--	130		16A
1510	5006	3	103	22 C		204								.54	.01		16.0			
														26						
89 D 808.8 125.8 SYCAMORE SLOUGH AT DRAIN NEAR LODI																				
10/23/69	5001		0.4	60.8F	7.1		40	18	45	13	.0	303	16	22	.4	--	--	351	174	21A
1120	5006	3	4	16.0C		600	2.00	1.48	1.96	.33	.00	4.97	.33	.62	.01		38.0	344	75	
							35	26	34	6		84	6	10						
11/14/69	5001		0.0	57.2F	7.2		--	--	--	--	--	--	--	--	--	--	--			9A
1030	5006	3		14.0C		490											--			
12/18/69	5001		9.5	50.0F	7.1		--	--	--	--	--	--	--	--	--	--	--			15A
1230	5006	3	85	10.0C		130											--			
01/12/70	5001		0.0	50.0F	7.1		40	17	47	19	.0	288	26	31	.4	--	--	370	170	23A
1040	5006	3		10.0C		543	2.00	1.40	2.04	.49	.00	4.72	.54	.87	.01		30.0	354	66	
							34	24	34	8		77	9	14						
02/17/70	5001		0.0	51.8F	7.2		--	--	--	--	--	--	--	--	--	--	--			30A
0940	5006	3		11.0C		890											--			
03/12/70	5001		0.0	48.2F	7.0		--	--	--	--	--	--	--	--	--	--	--			29A
0845	5006	3		9.0C		740											--			
04/21/70	5001		8.0	59.0F	7.2		21	7.2	14	2.7	.0	108	10	9.0	.9	.20	--	127	82	29A
1050	5006	3	80	15.0C		211	1.05	.59	.61	.07	.00	1.77	.21	.25	.01		6.0	125	7	
							45	25	26	3		79	9	11						
05/12/70	5001		6.7	60.8F	6.9		--	--	--	--	--	--	--	--	--	--	--			19A
1030	5006	3	69	16.0C		130											--			
06/10/70	5001		4.9	66.2F	6.8		--	--	--	--	--	--	--	--	--	--	--			25A
1020	5006	3	54	19.0C		140											--			
07/08/70	5001		7.8	77.0F	7.5		12	5.0	10	2.1	.0	61	9.0	10	--	--	--	88	51	26A
0915	5006	3	96	25.0C		140	.60	.41	.44	.05	.00	1.00	.19	.28			3.0	82	1	
							40	27	29	3		71	14	20						
08/11/70	5001		5.7	78.8F	6.9		--	--	--	--	--	--	--	--	--	--	--			24A
1050	5006	3	72	26.0C		320											--			
09/17/70	5001		2.0	68.0F	6.7		--	--	--	--	--	--	--	--	--	--	--			13A
0930	5006	3	22	20.0C		216											--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
89 D 809.6 141.1 SACRAMENTO RIVER AT RIO VISTA BRIDGE																				
10/17/69	5001		9.3	59 F	7.3		--	--	--	--	--	--	--	--	--	--	--			10A
1055	5006	3	93	15 C		150											--			
10/21/69	5001		9.3	59 F	6.9		--	--	--	--	--	--	--	4.0	.4	--	--	117		11A
1855	5006	3	93	15 C		140								.11	.01		18.0			
														8	1					
11/25/69	5001		9.7	55 F	7.3		--	--	--	--	--	--	--	7.0	.9	--	--	101		11A
1530	5006	3	93	13 C		150								.20	.01		18.0			
														13	1					
02/12/70	5001		11.0	52 F	7.2		--	--	--	--	--	--	--	2.0	.9	--	--	81		90A
1145	5006	3	101	11 C		120								.06	.01		18.0			
														5	1					
03/20/70	5001		10.9	57 F	7.6		13	7.8	8.1	1.1	.0	77	14	5.0	1.0	.20	--	110	65	45A
1535	5006	3	107	14 C		160	.65	.64	.35	.03	.00	1.26	.29	.14	.02		17.0	106	2	
							39	38	21	2		74	17	8	1					
04/16/70	5001		9.3	55 F	7.3		--	--	--	--	--	--	--	9.0	1.2	--	--	113		18A
1420	5006	3	89	13 C		190								.25	.02		18.0			
														13	1					
04/17/70	5001			57 F			--	--	--	--	--	--	--	--	--	--	--			
1445	5006	3		14 C													--			
05/18/70	5001		9.0	64 F	6.7		--	--	--	--	--	--	--	10	.9	--	--	129		25A
1700	5006	3	96	18 C		200								.28	.01		17.0			
														14	1					
05/19/70	5001		9.0	64.4F	7.6		--	--	--	--	--	--	--	--	--	--	--			22A
1815	5006	3	96	18.0C		200											--			
06/15/70	5001		9.0	70 F	7.3		13	8.0	17	1.7	.0	82	16	14	1.3	--	--	142	66	28A
1505	5006	3	103	21 C		210	.65	.66	.74	.04	.00	1.34	.33	.39	.02		18.0	130	2	
							31	32	35	2		64	16	19	1					
06/16/70	5001		9.2	66 F	7.7		--	--	--	--	--	--	--	--	--	--	--			17A
1645	5006	3	101	19 C		230											--			
07/14/70	5001		8.6	73 F	7.8		--	--	--	--	--	--	--	--	--	--	--			25A
1555	5006	3	102	23 C		160											--			
07/15/70	5001		8.8	70 F	7.7		--	--	--	--	--	--	--	10	1.0	--	--	106		35A
1630	5006	3	100	21 C		160								.28	.02		17.0			
														18	1					
08/12/70	5001		8.8	75 F	7.5		--	--	--	--	--	--	--	8.0	.4	--	--	95		11A
1520	5006	3	106	24 C		152								.23	.01		15.0			
														15	1					
08/13/70	5001		8.3	73 F	7.6		--	--	--	--	--	--	--	--	--	--	--			18A
1500	5006	3	98	23 C		150											--			
09/09/70	5001		8.5	73 F	7.5		--	--	--	--	--	--	--	--	--	--	--			10A
1400	5006	3	101	23 C		162											--			
09/10/70	5001		8.1	70 F	7.3		12	6.7	12	1.3	.0	78	8.0	7.0	.2	--	--	104	58	15A
1530	5006	3	92	21 C		165	.60	.55	.52	.03	.00	1.28	.17	.20	.00		17.0	103	7	
							35	32	31	2		78	10	12						
89 D 810.1 127.9 HOG SLOUGH NEAR THORNTON																				
10/24/69	5001		7.1	62.6F	7.1		20	11	24	4.0	.0	106	6.0	46	.9	--	--	206	95	13A
1230	5006	3	74	17.0C		320	1.00	.90	1.04	.10	.00	1.74	.12	1.30	.01		17.0	182	8	
							33	30	34	3		55	4	41						
11/14/69	5001		7.8	57.2F	7.2		--	--	--	--	--	--	--	--	--	--	--			10A
1020	5006	3	77	14.0C		380											--			
12/18/69	5001		9.3	50.0F	7.4		--	--	--	--	--	--	--	--	--	--	--			15A
1250	5006	3	83	10.0C		560											--			
01/12/70	5001		9.5	48.2F	7.1		60	36	85	4.5	.0	270	15	190	1.8	--	--	659	298	15A
1125	5006	3	83	9.0C		990	2.99	2.96	3.70	.12	.00	4.43	.31	5.36	.03		22.0	549	76	
							31	30	38	1		44	3	53						
02/18/70	5001		5.2	51.8F	7.5		--	--	--	--	--	--	--	--	--	--	--			13A
0955	5006	3	48	11.0C		1090											--			
03/13/70	5001		7.3	59.0F	7.5		--	--	--	--	--	--	--	--	--	--	--			12A
0910	5006	3	74	15.0C		960											--			
04/23/70	5001		9.9	60.8F	7.7		40	21	48	3.5	.0	128	12	118	.9	.40	--	343	187	35A
1155	5006	3	102	16.0C		610	2.00	1.73	2.09	.09	.00	2.10	.25	3.33	.01		15.0	323	82	
							34	29	35	2		37	4	59						
05/13/70	5001		9.4	64.4F	7.7		--	--	--	--	--	--	--	--	--	--	--			16A
1200	5006	3	101	18.0C		380											--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
89 D 810.1 127.9 HOG SLOUGH NEAR THORNTON																				CONTINUED
06/11/70	5001		8.1	69.8F	7.5		--	--	--	--	--	--	--	--	--	--	--			26A
1120	5006	3	92	21.0C		410											--			
07/10/70	5001		6.9	77.0F	7.4		18	9.6	21	--	.0	87	12	32	.9	--	--	167	85	40A
1020	5006	3	85	25.0C		250	.90	.79	.91		.00	1.43	.25	.90	.01		18.0	155	13	
							36	32	36			55	10	35						
08/12/70	5001		7.4	78.8F	7.6		--	--	--	--	--	--	--	--	--	--	--			22A
1140	5006	3	93	26.0C		323											--			
09/18/70	5001		8.0	71.6F	7.4		--	--	--	--	--	--	--	--	--	--	--			13A
1010	5006	3	93	22.0C		346											--			
89 D 811.0 139.3 STEAMBOAT SLOUGH ABOVE CACHE SLOUGH																				
10/16/69	5001		9.2	63 F	7.3		--	--	--	--	--	--	--	--	--	--	--			8A
1245	5006	3	97	17 C		120											--			
11/25/69	5001		10.0	54 F	7.2		--	--	--	--	--	--	--	--	--	--	--			10A
1630	5006	3	94	12 C		160											--			
02/13/70	5001		10.9	52 F	7.2		--	--	--	--	--	--	--	--	--	--	--			90A
1050	5006	3	100	11 C		110											--			
03/20/70	5001		10.8	57 F	7.4		--	--	--	--	--	--	--	2.0	1.8	--	--	97		36A
1605	5006	3	106	14 C		140								.06	.03		18.0			
														4	2					
04/17/70	5001		10.0	59 F	7.6		--	--	--	--	--	--	--	--	--	--	--			20A
1500	5006	3	100	15 C		185											--			
05/19/70	5001		9.2	64 F	7.8		--	--	--	--	--	--	--	--	--	--	--			19A
1835	5006	3	99	18 C		200											--			
06/16/70	5001		7.5	66 F	7.7		--	--	--	--	--	--	--	13	1.3	--	--	132		25A
1710	5006	3	82	19 C		210								.37	.02		18.0			
														18	1					
07/14/70	5001		8.9	75 F	7.7		--	--	--	--	--	--	--	--	--	--	--			23A
1620	5006	3	108	24 C		150											--			
08/12/70	5001		8.9	77 F	7.5		--	--	--	--	--	--	--	--	--	--	--			11A
1545	5006	3	110	25 C		149											--			
09/10/70	5001		7.8	72 F	7.1		--	--	--	--	--	--	--	6.0	.4	--	--	106		12A
1545	5006	3	91	22 C		166								.17	.01		17.0			
														10	1					
89 D 812.3 126.8 BEAVER SLOUGH NEAR THORNTON																				
10/24/69	5001		5.4	62.6F	6.6		6.0	3.0	6.0	4.0	.0	47	--	5.0	.9	--	--	75	27	11A
1320	5006	3	57	17.0C		110	.30	.25	.26	.10	.00	.77		.14	.01		12.0		11	
							33	27	29	11		70		13	1					
11/14/69	5001		6.6	59.0F	6.8		--	--	--	--	--	--	--	--	--	--	--			7.5A
1100	5006	3	66	15.0C		120											--			
12/18/69	5001		7.4	50.0F	7.0		--	--	--	--	--	--	--	--	--	--	--			12A
1325	5006	3	66	10.0C		160											--			
01/12/70	5001		5.6	48.2F	7.1		29	15	35	11	.0	153	10	50	1.8	--	--	272	137	15A
1240	5006	3	49	9.0C		400	1.45	1.23	1.52	.28	.00	2.51	.21	1.41	.03		17.0	245	9	
							32	27	34	6		60	5	34	1					
02/18/70	5001		3.6	51.8F	7.2		--	--	--	--	--	--	--	--	--	--	--			26A
1030	5006	3	33	11.0C		600											--			
03/13/70	5001		8.2	57.2F	7.3		--	--	--	--	--	--	--	--	--	--	--			9A
0940	5006	3	81	14.0C		480											--			
04/23/70	5001		6.5	60.8F	7.0		13	5.7	8.8	3.2	.0	66	11	8.0	2.2	--	--	92	56	39A
1240	5006	3	67	16.0C		160	.65	.47	.38	.08	.00	1.08	.23	.23	.04		12.0	97	2	
							41	30	24	5		68	15	15	3					
05/13/70	5001		10.0	64.4F	7.5		--	--	--	--	--	--	--	--	--	--	--			16A
1240	5006	3	107	18.0C		150											--			
06/11/70	5001		5.9	68.0F	7.0		--	--	--	--	--	--	--	--	--	--	--			39A
1200	5006	3	66	20.0C		170											--			
07/10/70	5001		9.3	75.2F	7.5		13	6.7	13	--	.0	77	10	12	--	--	--	105	60	31A
1100	5006	3	112	24.0C		170	.65	.55	.57		.00	1.26	.21	.34			7.0	100	3	
							38	32	34			74	12	20						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD PH	LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F / SIO2	TDS / SUM	TH / NCH	TURB
89 D 812.3 126.8 BEAVER SLOUGH NEAR THORNTON CONTINUED																					
08/12/70	5001		7.1	78.8F	7.4			--	--	--	--	--	--	--	--	--	--	--			14A
1210	5006	3	89	26.0C		157												--			
09/18/70	5001		7.3	71.6F	7.1			--	--	--	--	--	--	--	--	--	--	--			17A
1055	5006	3	85	22.0C		147												--			
B9 D 815.3 126.3 MOKELUMNE RIVER NEAR THORNTON																					
10/24/69	5001		9.8	60.8F	6.9			3.0	.9	1.0	1.0	.0	17	--	--	.4	--	--	38	11	3.5A
1350	5006	3	101	16.0C		35		.15	.07	.04	.03	.00	.28			.01		10.0		3	
								52	24	14	10		80			3					
11/14/69	5001		9.9	57.2F	6.9			--	--	--	--	--	--	--	--	--	--	--			1.5A
1140	5006	3	97	14.0C		39												--			
12/18/69	5001		10.2	51.8F	7.0			--	--	--	--	--	--	--	--	--	--	--			14A
1350	5006	3	93	11.0C		62												--			
01/12/70	5001		10.7	51.8F	7.1			7.5	3.5	4.8	1.8	.0	41	7.0	3.0	.4	--	--	84	33	30A
1310	5006	3	98	11.0C		85		.37	.29	.21	.05	.00	.67	.15	.08	.01		12.0	61	1	
								40	32	23	5		74	16	9	1					
02/18/70	5001		11.2	50.0F	6.7			--	--	--	--	--	--	--	--	--	--	--			16A
1100	5006	3	100	10.0C		52												--			
03/13/70	5001		11.3	53.6F	7.0			--	--	--	--	--	--	--	--	--	--	--			12A
1015	5006	3	106	12.0C		51												--			
04/23/70	5001		10.1	59.0F	7.2			11	5.0	4.5	1.7	.0	57	8.0	2.0	--	--	--	68	48	16A
1320	5006	3	101	15.0C		110		.55	.41	.20	.04	.00	.93	.17	.06			17.0	78	2	
								46	34	17	3		85	15	5						
05/13/70	5001		9.8	62.6F	7.1			--	--	--	--	--	--	--	--	--	--	--			14A
1305	5006	3	103	17.0C		87												--			
06/11/70	5001		8.5	69.8F	7.1			--	--	--	--	--	--	--	--	--	--	--			20A
1235	5006	3	97	21.0C		72												--			
07/10/70	5001		8.4	71.6F	6.7			4.8	1.5	3.2	--	.0	23	3.0	3.0	--	.20	--	36	18	10A
1130	5006	3	98	22.0C		52		.24	.12	.14		.00	.38	.06	.08			10.0	37	1	
								46	23	27			73	12	15						
08/12/70	5001		8.1	71.6F	6.9			--	--	--	--	--	--	--	--	--	--	--			9A
1230	5006	3	94	22.0C		51												--			
09/18/70	5001		9.1	68.0F	6.9			--	--	--	--	--	--	--	--	--	--	--			5.2A
1125	5006	3	102	20.0C		58												--			
B9 D 816.6 129.8 SNODGRASS SLOUGH AT TWIN CITIES ROAD NEAR HOOD																					
10/24/69	5001		7.2	60.8F	6.9			10	6.0	8.0	2.0	.0	69	6.0	5.0	1.3	--	--	99	50	14A
1420	5006	3	74	16.0C		140		.50	.49	.35	.05	.00	1.13	.12	.14	.02		18.0	91	7	
								36	35	25	4		80	9	10	1					
11/14/69	5001		7.7	59.0F	7.0			--	--	--	--	--	--	--	--	--	--	--			8A
1250	5006	3	77	15.0C		140												--			
12/18/69	5001		9.0	50.0F	7.0			--	--	--	--	--	--	--	--	--	--	--			12A
1410	5006	3	80	10.0C		150												--			
01/12/70	5001		10.1	50.0F	7.1			19	11	17	2.8	.0	100	23	12	.2	--	--	189	93	26A
1350	5006	3	90	10.0C		260		.95	.90	.74	.07	.00	1.64	.48	.34	.00		20.0	155	11	
								36	34	28	3		67	20	14						
02/18/70	5001		6.2	51.8F	6.8			--	--	--	--	--	--	--	--	--	--	--			32A
1220	5006	3	57	11.0C		410												--			
03/18/70	5001		9.7	57.2F	7.0			--	--	--	--	--	--	--	--	--	--	--			35A
1050	5006	3	95	14.0C		250												--			
04/23/70	5001		9.9	60.8F	7.5			17	7.9	16	2.2	.0	95	16	15	.4	--	--	136	75	35A
1405	5006	3	102	16.0C		220		.85	.65	.70	.06	.00	1.56	.33	.42	.01		18.0	140	3	
								38	29	31	3		67	14	18						
05/13/70	5001		9.0	64.4F	7.4			--	--	--	--	--	--	--	--	--	--	--			25A
1355	5006	3	96	18.0C		200												--			
06/11/70	5001		6.9	69.8F	7.1			--	--	--	--	--	--	--	--	--	--	--			33A
1315	5006	3	79	21.0C		190												--			
07/10/70	5001		7.3	75.2F	7.1			12	6.7	12	1.6	.0	75	9.0	9.0	.9	--	--	104	58	27A
1225	5006	3	88	24.0C		160		.60	.55	.52	.04	.00	1.23	.19	.25	.01		19.0	108	4	
								35	32	30	2		73	11	15	1					

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
89 D 816.6 129.8 SNODGRASS SLOUGH AT TWIN CITIES ROAD NEAR HOOD CONTINUED																				
08/12/70	5001		7.3	75.2F	7.4		--	--	--	--	--	--	--	--	--	--	--			22A
1305	5006	3	88	24.0C		151											--			
09/18/70	5001		6.3	71.6F	7.1		--	--	--	--	--	--	--	--	--	.20	--			28A
1200	5006	3	73	22.0C		175											--			
89 D 819.1 130.1 SNODGRASS SLOUGH AT SOUTHERN PACIFIC RR BRIDGE																				
10/24/69	5001		4.7	62.6F	6.7		15	9.0	12	2.0	.0	95	8.0	11	.4	--	--	132	75	10A
1515	5006	3	49	17.0C		200	.75	.74	.52	.05	.00	1.56	.17	.31	.01		18.0	123	4	
							36	36	25	2		76	8	15						
11/14/69	5001		4.0	57.2F	6.7		--	--	--	--	--	--	--	--	--	--	--			4A
1340	5006	3	39	14.0C		240											--			
12/18/69	5001		6.9	50.0F	7.0		--	--	--	--	--	--	--	--	--	--	--			9A
1435	5006	3	62	10.0C		290											--			
01/12/70	5001		9.3	50.0F	7.3		28	15	31	4.5	.0	147	20	41	2.7	--	--	248	132	12A
1425	5006	3	83	10.0C		350	1.40	1.23	1.35	.12	.00	2.41	.42	1.16	.04		16.0	232	11	
							34	30	33	3		60	10	29	1					
02/18/70	5001		5.3	51.8F	6.8		--	--	--	--	--	--	--	--	--	--	--			22A
1305	5006	3	49	11.0C		390											--			
03/13/70	5001		7.1	57.2F	7.0		--	--	--	--	--	--	--	--	--	--	--			14A
1130	5006	3	70	14.0C		460											--			
04/23/70	5001		9.2	60.8F	7.6		28	17	22	2.5	.0	136	22	35	--	--	--	210	140	24A
1450	5006	2	94	16.0C		350	1.40	1.40	.96	.06	.00	2.23	.46	.99			18.0	213	29	
							37	37	25	2		64	13	28						
05/13/70	5001		7.1	64.4F	7.3		--	--	--	--	--	--	--	--	--	--	--			28A
1430	5006	2	76	18.0C		270											--			
06/11/70	5001		5.4	69.8F	7.0		--	--	--	--	--	--	--	--	--	--	--			33A
1400	5006	2	62	21.0C		240											--			
07/10/70	5001		6.6	75.2F	7.1		14	8.2	14	1.7	.0	85	13	13	.9	--	--	133	69	33A
1315	5006	3	80	24.0C		190	.70	.67	.61	.04	.00	1.39	.27	.37	.01		19.0	126	1	
							35	33	30	2		68	13	18						
08/12/70	5001		4.8	75.2F	7.0		--	--	--	--	--	--	--	--	--	--	--			21A
1335	5006	2	58	24.0C		166											--			
09/18/70	5001		4.5	71.6F	6.9		--	--	--	--	--	--	--	--	--	--	--			18A
1240	5006	3	52	22.0C		182											--			
89 D 820.7 132.7 SACRAMENTO RIVER AT GREENE'S LANDING																				
10/09/69	5050		8.9	59 F	7.3	110	--	--	--	--	--	--	--	--	--	--	--			
0730			89	15 C													--			
10/17/69	5001		9.5	57 F	7.2		--	--	--	--	--	--	--	--	--	--	--			8A
0920	5006	3	93	14 C		150											--			
11/05/69	5050	5.05	9.0	58 F	7.2	112	--	--	--	--	--	--	--	--	--	--	--			
0830			88	14 C													--			
1/19/69	5001		10.5	57 F	7.5		--	--	--	--	--	--	--	--	--	--	--			9A
1500	5006	3	103	14 C		130											--			
2/03/69	5050	4.40	10.9	49 F	7.3	135	--	--	--	--	--	--	--	--	--	--	--			
0830			95	9 C													--			
1/13/70	5050	2.40	10.8	49 F	7.1	107	--	--	--	--	--	--	--	--	--	--	--			
0945			94	9 C													--			
2/04/70	5050	6.22	11.0	49 F	7.3	95	--	--	--	--	--	--	--	--	--	--	--			
1110			96	9 C													--			
2/13/70	5001		10.9	52 F	8.0		--	--	--	--	--	--	--	--	--	--	--			90A
0915	5006	3	100	11 C		110											--			
3/17/70	5001		10.8	54 F	7.3		--	--	--	--	--	--	--	2.0	.4	--	--	84		50A
1620	5006	3	101	12 C		120								.06	.01		17.0			
														5	1					
4/16/70	5001		9.9	57 F			--	--	--	--	--	--	--	--	--	--	--			22A
1555	5006	3	97	14 C		170											--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
89 D 820.7 132.7 SACRAMENTO RIVER AT GREENE'S LANDING CONTINUED																				
05/18/70	5001		8.7	64 F	7.4		--	--	--	--	--	--	--	--	--	--	--			16A
1430	5006	3	93	18 C		180											--			
06/15/70	5001		8.4	68 F	7.4		--	--	--	--	--	--	--	10	.9	--	--	115		18A
1345	5006	3	94	20 C		175								.28	.01		19.0			
														16	1					
07/15/70	5001		8.4	73 F	7.7		--	--	--	--	--	--	--	--	--	--	--			22A
1300	5006	3	100	23 C		150											--			
08/12/70	5001		7.3	75 F	7.4		--	--	--	--	--	--	--	--	--	--	--			13A
1400	5006	3	88	24 C		155											--			
09/09/70	5001		7.8	72 F	7.4		--	--	--	--	--	--	--	25	.4	--	--	143		5.5A
1230	5006	3	91	22 C		236								.71	.01		16.0			
														30						
89 D 827.3 130.0 SACRAMENTO RIVER AT FREEPORT																				
10/02/69	5050		8.7	67.0F	7.7		9.5	5.3	6.5	.9	.0	60	5.0	4.4	.8	.00	.1		46	5A
1330	5000		96	19.4C	7.6	123	.47	.44	.28	.02	.00	.98	.10	.12	.01		16.0	78	4	
							39	36	23	2		81	8	10	1					
10/02/69	5050						--	--	--	--	--	--	--	--	--	--	--			
1340	5050				7.7	118											--			
10/21/69	5050		9.1	58.1F	7.3	115	--	--	--	--	--	--	--	--	--	--	--			35E
0930	5050		90	14.5C		114											--			
11/05/69	5050		9.8	59.0F	7.3		9.4	4.6	6.0	1.1	.0	55	5.0	3.4	1.0	.00	.1		42	5A
1300	5000		98	15.0C	7.5	112	.47	.38	.26	.03	.00	.90	.10	.10	.02		16.0	74	3	
							41	33	23	3		80	9	9	2					
11/05/69	5050		9.8	59.0F	7.3	120	--	--	--	--	--	--	--	--	--	--	--			8E
1305	5050		98	15.0C		113											--			
11/18/69	5050		9.9		7.3	132	--	--	--	--	--	--	--	--	--	--	--			20E
1130	5050					119											--			
12/03/69	5050						9.8	4.9	7.7	1.3	.0	64	5.0	2.2	1.3	.02	.1		44	9A
1255	5000				7.4	126	.49	.40	.33	.03	.00	1.05	.10	.06	.02		18.0	82	8	
							39	32	26	2		85	8	5	2					
12/03/69	5050						--	--	--	--	--	--	--	--	--	--	--			6E
1300	5050					127											--			
12/03/69	5050		11.6	50.4F	7.4	137	--	--	--	--	--	--	--	--	--	--	--			
1305	5050		104	10.2C		127											--			
12/16/69	5050		10.6	51.6F	7.2		--	--	--	--	--	--	--	--	--	--	--			110E
1315	5050		97	10.9C		108											--			
01/07/70	5050		12.2	45.5F	7.3		9.8	4.7	6.4	1.3	.0	60	7.0	1.9	.8	.03	.1		44	72A
1200	5000		102	7.5C	7.4	119	.49	.39	.28	.03	.00	.98	.15	.05	.01		18.0	80	S	
							41	33	24	3		82	13	4	1					
01/07/70	5050		12.2	45.5F	7.3		--	--	--	--	--	--	--	--	--	--	--			
1205	5050		102	7.5C													--			
01/07/70	5050		12.2	45.5F	7.3		--	--	--	--	--	--	--	--	--	--	--			40E
1210	5050		102	7.5C													--			
01/20/70	5050		11.8	49.6F	7.2		--	--	--	--	--	--	--	--	--	--	--			60E
1300	5050		105	9.8C		71											--			
02/04/70	5050		10.8	49.0F	7.3		10	4.2	4.7	1.1	.0	47	7.0	2.6	.9	.00	.1		42	80A
1245	5000		95	9.4C	7.2	98	.50	.35	.20	.03	.00	.77	.15	.07	.01		15.0	69	4	
							46	32	19	3		77	15	7	1					
02/04/70	5050		10.8	49.0F	7.3	105	--	--	--	--	--	--	--	--	--	--	--			
1250	5050		95	9.4C		99											--			
02/04/70	5050		10.9	49.0F	7.3	105	--	--	--	--	--	--	--	--	--	--	--			100E
1255	5050		96	9.4C		100											--			
02/17/70	5050		10.7	51 F	7.3	125	--	--	--	--	--	--	--	--	--	--	--			85E
1210	6050		96	11 C		112											--			
03/04/70	5050		11.1	50.5F	7.2	105	9.1	4.4	5.7	1.0	.0	49	6.0	4.4	.8	.01	.1		40	50A
1130	5000		100	10.3C	7.7	106	.45	.36	.25	.03	.00	.80	.12	.12	.01		14.0	70	1	
							41	33	23	3		76	11	11	1					
03/04/70	5050			50.5F	7.2	105	--	--	--	--	--	--	--	--	--	--	--		40	90E
1135	5050			10.3C		108											--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCM	TURB
							MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER			
89 D 827.3 130.0				SACRAMENTO RIVER AT FREEPORT										CONTINUED						
03/04/70	5050			50.5F	7.2	105	--	--	--	--	--	--	--	--	--	--	--			
1135				10.3C													--			
03/17/70	5050		10.5	54.8F	7.3	125	--	--	--	--	--	--	--	--	--	--	--			45E
1400	5050		100	12.7C		119											--			
04/08/70	5050		9.3	60 F	7.3	156	13	7.0	9.2	1.2	.0	74	11	6.8	1.8	.03	.3		62	25A
1300	5000		93	16 C	7.4	160	.65	.58	.40	.03	.00	1.21	.23	.19	.03		18.0	105	1	
							39	35	24	2		73	14	11	2					
04/08/70	5050						--	--	--	--	--	--	--	--	--	--	--			40E
1305	5050					160											--			
04/08/70	5050		9.3	60.0F	7.3	156	--	--	--	--	--	--	--	--	--	--	--			
1310			94	15.5C													--			
04/21/70	5050		9.7	59 F	7.4	197	--	--	--	--	--	--	--	--	--	--	--			30E
1245	5050		97	15 C		190											--			
05/06/70	5050		8.8	63.0F	7.3	123	11	6.4	10	1.2	.0	64	13	7.0	1.5	.06	.1		54	30A
1230	5000		93	17.2C	7.4	157	.55	.53	.44	.03	.00	1.05	.27	.20	.02		17.0	99	2	
							35	34	28	2		68	18	13	1					
05/06/70	5050		8.8	63.0F	7.3	123	--	--	--	--	--	--	--	--	--	--	--			
1235	5050		93	17.2C		156											--			
05/19/70	5050		8.3	67 F	7.4	161	--	--	--	--	--	--	--	--	--	--	--			25E
1150	5050		91	19 C		182											--			
06/03/70	5050		7.8	74 F	7.3	181	13	7.4	13	1.3	.0	73	13	10	2.0	.07	.2		63	16A
1235	5000		92	23 C	7.2	181	.65	.61	.57	.03	.00	1.20	.27	.28	.03		20.0	116	3	
							35	33	31	2		67	15	16	2					
06/03/70	5050		7.8	74.0F	7.3	181	--	--	--	--	--	--	--	--	--	--	--			15E
1240	5050		93	23.3C		183											--			
06/16/70	5050		8.4	72.5F	7.4	181	--	--	--	--	--	--	--	--	--	--	--			40E
1215	5050		99	22.5C		179											--			
07/07/70	5050		8.2	78 F	7.5	155	11	6.4	10	1.5	.0	67	9.0	6.2	1.8	.02	.1		54	14A
1815	5000		101	26 C		160	.55	.53	.44	.04	.00	1.10	.19	.17	.03		17.0	96	1	
							35	34	28	3		74	13	11	2					
07/07/70	5050		8.2	78.0F	7.5	155	--	--	--	--	--	--	--	--	--	--	--			25E
1820	5050		102	25.5C		154											--			
07/21/70	5050		8.0	78.3F	7.5	155	--	--	--	--	--	--	--	--	--	--	--			20E
1130	5050		100	25.7C		145											--			
08/05/70	5050						10	6.0	9.0	.9	.0	66	7.0	6.4	1.0	.00	.0		50	6A
1025	5000				7.5	142	.50	.49	.39	.02	.00	1.08	.15	.18	.02		18.0	91	5	
							36	35	28	1		76	10	13	1					
08/05/70	5050		8.3	72.2F	7.4	150	--	--	--	--	--	--	--	--	--	--	--			15E
1035	5050		97	22.3C		145											--			
08/18/70	5050		7.4	73 F	7.7	150	--	--	--	--	--	--	--	--	--	--	--			10E
0650	5050		86	23 C		155											--			
09/02/70	5050		8.3	69.9F	7.4		12	6.8	11	1.0	.0	74	8.0	7.1	--	.00	.3		58	13A
1110	5000		95	21.0C	7.3	160	.60	.56	.48	.03	.00	1.21	.17	.20			16.0	99	3	
							36	34	29	2		76	11	13						
09/02/70	5050		8.3	69.9F	7.4		12	6.8	11	1.0	.0	74	8.0	7.1	--	.00	.3		58	13A
1111	5000		95	21.0C	7.3	160	.60	.56	.48	.03	.00	1.21	.17	.20			16.0	99	3	
							36	34	29	2		76	11	13						
09/02/70	5050		8.3	69.9F	7.4	167	--	--	--	--	--	--	--	--	--	--	--			20E
1115	5050		95	21.0C		164											--			
09/15/70	5050		9.1	67.0F	7.4	155	--	--	--	--	--	--	--	--	--	--	--			25E
1340	5050		100	19.4C		162											--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
							MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER			
G4	1590.01				SUSAN RIVER NEAR LITCHFIELD															
10/15/69	5050		11.0	47 F	8.3		--	--	57	--	.0	222	--	10	--	.20	--		116	10E
1445	5050	37	109	8 C	8.1	433			2.48		.00	3.64		.28			--			
									57			84		6						
11/18/69	5050		12.7	42 F	8.3		--	--	50	--	.0	227	--	9.9	--	.10	--		115	4E
1520	5050	46	117	6 C	8.1	424			2.18		.00	3.72		.28			--			
									51			88		7						
12/09/69	5050		13.3	41 F	8.3		--	--	45	--	.0	212	--	9.5	--	.10	--		110	4E
1500	5050	48	121	5 C	8.2	411			1.96		.00	3.48		.27			--			
									48			85		7						
01/13/70	5050		12.3	36 F	7.5		--	--	17	--	.0	88	--	4.3	--	.10	--		58	210E
1425	5050	455	104	2 C	7.2	182			.74		.00	1.44		.12			--			
									41			79		7						
02/10/70	5050		11.4	44 F	8.0		--	--	32	--	.0	141	--	8.3	--	.10	--		81	35E
1430	5050	210	108	7 C	7.9	281			1.39		.00	2.31		.23			--			
									49			82		8						
03/10/70	5050		11.7	44 F	7.8		--	--	26	--	.0	114	--	6.6	--	.10	--		72	140E
1520	5050	300	111	7 C	7.9	245			1.13		.00	1.87		.19			--			
									46			76		8						
04/15/70	5050		11.2	48 F	8.0		--	--	24	--	.0	114	--	4.0	--	.00	--		75	25E
1315	5050	220	121	9 C	7.7	319			1.04		.00	1.87		.11			--			
									33			59		3						
05/13/70	5050		10.5	54 F	8.0		14	12	30	2.7	.0	129	22	5.1	.6	.10	--	179	74	10E
1700	5050	255	113	12 C	8.1	265	.70	.99	1.31	.07	.00	2.12	.46	.14	.01		--	151	22	
							23	32	43	2		78	17	5						
06/17/70	5050		9.3	72 F	8.4		--	--	53	--	.0	208	--	11	--	.30	--		130	15E
1430	5050	120	123	22 C	8.2	459			2.31		.00	3.41		.31			--			
									50			74		7						
07/14/70	5050		9.0	80 F	8.4		--	--	57	--	.0	244	--	10	--	.20	--		136	4E
1530	5050	78	129	27 C	8.3	512			2.48		.00	4.00		.28			--			
									48			78		5						
08/04/70	5050		9.1	80 F	8.4		--	--	59	--	.0	245	--	9.8	--	.20	--		129	3E
1230	5050	50	130	27 C	8.0	480			2.57		.00	4.02		.28			--			
									54			84		6						
09/01/70	5050		11.7	77 F	8.4		--	--	61	--	7.0	235	--	9.8	--	.20	--		128	5E
1400	5050	35	162	25 C	8.6	460			2.65		.23	3.85		.28			--			
									58		5	84		6						
G4	1600.00				SUSAN RIVER AT SUSANVILLE															
10/16/69	5050	1.77	11.0	41 F	7.6		--	--	5.6	--	.0	92	--	2.0	--	.00	--		84	6E
0655	5050	34	100	5 C	7.8	148			.24		.00	1.51		.06			--			
									16			102		4						
11/19/69	5050	1.35	12.4	32 F	7.7		--	--	4.9	--	.0	96	--	.8	--	.00	--		71	4E
0815	5050	14	99	0 C	7.8	158			.21		.00	1.57		.02			--			
									13			99		1						
12/09/69	5050	1.41	11.4	43 F	7.5		--	--	5.9	--	.0	109	--	.8	--	.00	--		75	2E
1535	5050	16	106	6 C	7.7	172			.26		.00	1.79		.02			--			
									15			104		1						
01/13/70	5050	3.37	12.3	34 F	7.3		--	--	3.7	--	.0	48	--	2.5	--	.00	--		38	50E
1505	5050	268	101	1 C	7.1	89			.16		.00	.79		.07			--			
									18			89		8						
02/10/70	5050	2.43	12.1	41 F	7.3		--	--	3.7	--	.0	53	--	.9	--	.00	--		40	35E
1540	5050	116	110	5 C	7.4	93			.16		.00	.87		.03			--			
									17			94		3						
03/10/70	5050	2.78	12.0	42 F	7.3		--	--	4.3	--	.0	56	--	1.4	--	.10	--		42	15E
1610	5050	190	106	6 C	7.7	98			.19		.00	.92		.04			--			
									19			94		4						
04/15/70	5050	2.79	11.6	43 F	7.2		--	--	2.8	--	.0	42	--	.0	--	.00	--		43	5E
1435	5050	193	108	6 C	7.5	78			.12		.00	.69		.00			--			
									15			88								
05/13/70	5050	2.93	9.8	54 F	7.5		7.2	3.5	3.0	.9	.0	46	.0	.0	.0	.00	--	70	32	2E
1755	5050	228	106	12 C	7.7	76	.36	.29	.13	.02	.00	.75	.00	.00	.00		--	38	5	
							45	36	16	3		100								
06/18/70	5050	2.33	9.3	57 F	7.4		--	--	2.2	--	.0	42	--	.9	--	.00	--		36	3E
0700	5050	100	104	14 C	7.8	70			.10		.00	.69		.03			--			
									14			99		4						
07/15/70	5050	2.10	8.4	63 F	7.3		--	--	2.6	--	.0	42	--	.5	--	.00	--		32	4E
0700	5050	71	101	17 C	7.6	72			.11		.00	.69		.01			--			
									15			96		1						
08/04/70	5050	1.64	8.3	68 F	8.1		--	--	3.4	--	.0	73	--	.3	--	.00	--		53	3E
1400	5050	33	105	20 C	7.8	114			.15		.00	1.20		.01			--			
									13			105		1						
09/01/70	5050	1.36	8.7	68 F	7.9		--	--	3.7	--	.0	61	--	.0	--	.10	--		47	1E
1505	5050	18	110	20 C	7.9	103			.16		.00	1.00		.00			--			
									16			97								

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
G7	1195.00			TRUCKEE RIVER AT FARAD																
10/08/69	5050	2.59	9.5	53 F	7.7	80	--	--	--	--	--	--	--	--	--	--	--			
0930	5050		104	12 C													--			
11/05/69			10.2	42 F	7.3		--	--	--	--	--	--	--	--	--	--	--			
1500	5050		96	6 C													--			
12/03/69	5050	2.70	12.9	36 F	7.4	90	--	--	--	--	--	--	--	--	--	--	--			
0930	5050		112	2 C													--			
01/12/70	5050	2.64	11.4	37 F	7.3	110	--	--	--	--	--	--	--	--	--	--	--			
1045	5050		99	3 C													--			
04/17/70	5050	3.36	10.4	43 F	7.4	85	8.2	2.8	3.8	1.4	.0	44	3.3	3.3	.2	.00	--	59	32	6E
0930	5050		100	6 C	7.9	83	.41	.23	.17	.04	.00	.72	.07	.09	.00		--	45	4	
							48	27	20	5		82	8	10						
09/23/70	5050	3.09	9.6	52 F	7.4	97	9.7	2.4	6.1	--	.0	52	--	2.4	--	--	--		34	2E
0730	5050		105	11 C	7.9	97	.48	.20	.27		.00	.85		.07			--		9	
							49	21	28			88		7						
G7	3253.01			INCLINE CREEK AT INCLINE VILLAGE																
10/07/69	5050		10.7	41.0F	7.3	71	--	--	--	--	--	--	--	--	--	--	--			
0945			105	5.0C													--			
10/07/69	5050						--	--	--	--	--	--	--	.5	--	--	--			
1145	5060													.01			--			
11/19/69	5050			40.1F		60	--	--	--	--	--	--	--	1.5	--	--	--			1.7A
1100	5060			4.5C										.04			--			
03/10/70	5050		10.6	39.9F	7.3	76	--	--	--	--	--	--	--	6.5	--	--	--			67A
1300	5060		102	4.4C										.18			--			
05/13/70	5050		9.9	48.0F	7.3	52	--	--	--	--	--	--	--	1.5	--	--	--			35A
1250	5060		107	8.9C										.04			--			
08/26/70	5050						--	--	--	--	--	--	--	.8	--	--	--			
1245	5050													.02			--			
08/26/70	5050		8.0	57.9F	7.4	64	--	--	--	--	--	--	--	--	--	--	--			24A
1345	5050		98	14.4C													--			
G7	3300.01			GENERAL CREEK NEAR MEEKS BAY																
10/07/69	5050		10.4	39.9F	7.1	62	--	--	--	--	--	--	--	--	--	--	--			
1100			100	4.4C													--			
10/07/69	5050						--	--	--	--	--	--	--	.5	--	--	--			
1300	5060													.01			--			
11/19/69	5050			34.7F		52	--	--	--	--	--	--	--	1.0	--	--	--			0.2A
0855	5060			1.5C										.03			--			
03/10/70	5050		11.7	35.1F	7.1	31	--	--	--	--	--	--	--	1.5	--	--	--			0.4A
1200	5060		105	1.7C										.04			--			
05/13/70	5050		10.7	39.9F	7.1	19	--	--	--	--	--	--	--	.5	--	--	--			0.4A
1030	5060		103	4.4C										.01			--			
08/26/70	5050		8.5	52.0F	7.1	61	--	--	--	--	--	--	--	.5	--	--	--			0.3A
1040	5050		97	11.1C										.01			--			
G7	3571.01			TAYLOR CREEK NEAR CAMP RICHARDSON																
10/07/69	5050		9.4	42.1F	7.0	40	--	--	--	--	--	--	--	--	--	--	--			
0715			94	5.6C													--			
10/07/69	5050						--	--	--	--	--	--	--	1.0	--	--	--			
0915	5060													.03			--			
11/19/69	5050			39.2F		24	--	--	--	--	--	--	--	.5	--	--	--			0.1A
0930	5060			4.0C										.01			--			
03/10/70	5050		11.7	36.0F	7.1	26	--	--	--	--	--	--	--	.5	--	--	--			0.2A
1030	5060		106	2.2C										.01			--			
05/13/70	5050						--	--	--	--	--	--	--	.5	--	--	--			
0945	5060													.01			--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD PH	LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER				MILLIEQUIVALENTS PER LITER			PERCENT REACTANCE VALUE		MILLIGRAMS PER LITER				
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
G7 3571.01 TAYLOR CREEK NEAR CAMP RICHARDSON CONTINUED																				
05/13/70	5050		10.5	44.1F	7.1	23	--	--	--	--	--	--	--	--	--	--	--			0.5A
1045	5050		108	6.7C													--			
08/26/70	5050		7.7	64.9F	7.0	25	--	--	--	--	--	--	--	.4	--	--	--			0.1A
0930	5050		103	18.3C										.01			--			
G7 3705.01 UPPER TRUCKEE RIVER NEAR MOUTH																				
10/07/69	5050		9.5	45.0F	7.1	80	--	--	--	--	--	--	--	4.5	--	--	--			
0800	5060		98	7.2C										.13			--			
11/19/69	5050			37.4F		68	--	--	--	--	--	--	--	3.5	--	--	--			0.6A
1000	5060			3.0C										.10			--			
03/10/70	5050		11.6	33.1F	7.1	55	--	--	--	--	--	--	--	5.5	--	--	--			1.8A
0935	5060		101	0.6C										.16			--			
05/13/70	5050		10.5	41.0F	7.1	36	--	--	--	--	--	--	--	2.5	--	--	--			1.4A
0915	5060		103	5.0C										.07			--			
08/26/70	5050		8.1	60.1F	7.3	80	--	--	--	--	--	--	--	3.8	--	--	--			0.6A
0845	5050		102	15.6C										.11			--			

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD PH	LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER				MILLIEQUIVALENTS PER LITER			PERCENT REACTANCE VALUE		MILLIGRAMS PER LITER				
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
G7 L 856.6 000.6 LAKE TAHOE NEAR TAHOE KEYS																				
10/07/69	5050						--	--	--	--	--	--	--	1.0	--	--	--			
0905	5060	2												.03			--			
10/08/69	5050		8.3	56.3F	7.9	89	--	--	--	--	--	--	--	--	--	--	--			
0930		2	100	13.5C													--			
11/19/69	5050		9.7	46.6F	7.7	87	--	--	--	--	--	--	--	--	--	--	--			0.1A
1135	5050	2	103	8.1C													--			
11/19/69	5050						--	--	--	--	--	--	--	1.7	--	--	--			
1315	5060	2												.05			--			
11/21/69	5050		9.6	49.8F		93	--	--	--	--	--	--	--	--	--	--	--			
1635		2	106	9.9C													--			
03/10/70	5050						--	--	--	--	--	--	--	2.5	--	--	--			
1230	5060	2												.07			--			
03/13/70	5050		10.2	42.6F	7.5	90	--	--	--	--	--	--	--	--	--	--	--			0.2A
1435	5050	2	102	5.9C													--			
05/13/70	5050						--	--	--	--	--	--	--	1.5	--	--	--			
1005	5060	2												.04			--			
05/15/70	5050		9.8	46.6F	7.5	89	--	--	--	--	--	--	--	--	--	--	--			0.2A
1120	5050	2	104	8.1C													--			
08/26/70	5050						--	--	--	--	--	--	--	1.6	--	--	--			
1135	5050	2												.05			--			
08/26/70	5050		7.5	66.6F	8.0	89	--	--	--	--	--	--	--	--	--	--	--			0.2A
1440	5050	2	102	19.2C													--			
G7 L 856.6 003.4 LAKE TAHOE NEAR TAYLOR CREEK																				
10/07/69	5050						--	--	--	--	--	--	--	1.0	--	--	--			
0930	5060	2												.03			--			
10/08/69	5050		8.2	58.1F	7.7	90	--	--	--	--	--	--	--	--	--	--	--			
0845		2	101	14.5C													--			
11/19/69	5050		9.7	47.5F	7.8	87	--	--	--	--	--	--	--	--	--	--	--			0.1A
1100	5050	2	104	8.6C													--			
11/19/69	5050						--	--	--	--	--	--	--	1.5	--	--	--			
1345	5060	2												.04			--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
G7 L 856.6 003.4 LAKE TAHOE NEAR TAYLOR CREEK CONTINUED																				
03/10/70	5050						--	--	--	--	--	--	--	3.5	--	--	--			
1300	5060	2												.10			--			
03/13/70	5050		10.2	44.1F	7.3	88	--	--	--	--	--	--	--	--	--	--	--			0.2A
1535	5050	2	104	6.7C													--			
05/13/70	5050						--	--	--	--	--	--	--	1.5	--	--	--			
1020	5060	2												.04			--			
05/15/70	5050		9.9	46.4F	7.5	89	--	--	--	--	--	--	--	--	--	--	--			0.4A
1205	5050	2	105	8.0C													--			
08/26/70	5050						--	--	--	--	--	--	--	2.8	--	--	--			
1158	5050	2												.08			--			
08/26/70	5050		7.6	66.6F	7.9	89	--	--	--	--	--	--	--	--	--	--	--			0.2A
1520	5050	2	104	19.2C													--			
G7 L 900.0 000.0 LAKE TAHOE, SOUTH CENTER																				
10/06/69	5050		8.2	60.1F	7.3	90	--	--	--	--	--	--	--	--	--	--	--			
1310		2	104	15.6C													--			
10/06/69	5050		10.0	39.7F	7.5		--	--	--	--	--	--	--	--	--	--	--			
1315		328	96	4.3C													--			
10/07/69	5050						--	--	--	--	--	--	--	1.5	--	--	--			
0850	5060	2												.04			--			
11/18/69	5050		10.3	47.8F	7.4	85	--	--	--	--	--	--	--	--	--	--	--			0.1A
1400	5050	2	111	8.8C													--			
11/18/69	5050		10.3	40.3F			--	--	--	--	--	--	--	--	--	--	--			
1405		328	100	4.6C													--			
11/19/69	5050						--	--	--	--	--	--	--	2.3	--	--	--			
1255	5060	2												.06			--			
03/10/70	5050						--	--	--	--	--	--	--	2.5	--	--	--			
1145	5060	2												.07			--			
03/12/70	5050		10.1	41.9F	7.6	90	--	--	--	--	--	--	--	--	--	--	--			0.5A
1130	5050	2	100	5.5C													--			
03/12/70	5050		10.3	41.2F		92	--	--	--	--	--	--	--	--	--	--	--			
1135		328	101	5.1C													--			
05/13/70	5050						--	--	--	--	--	--	--	2.0	--	--	--			
0900	5060	2												.06			--			
05/15/70	5050		9.8	45.5F	7.3	92	--	--	--	--	--	--	--	--	--	--	--			0.2A
1040	5050	2	102	7.5C													--			
05/15/70	5050		9.7	41.2F	7.5		--	--	--	--	--	--	--	--	--	--	--			
1045		328	95	5.1C													--			
08/26/70	5050						--	--	--	--	--	--	--	2.7	--	--	--			
1100	5050	2												.08			--			
08/26/70	5050		7.6	67.6F	7.8	89	--	--	--	--	--	--	--	--	--	--	--			
1235		2	105	19.8C													--			
08/26/70	5050		9.7	43.0F	7.9	89	--	--	--	--	--	--	--	--	--	--	--			
1240		361	98	6.1C													--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD PH	LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
G7 L 900.5 957.0 LAKE TAHOE AT ZEPHYR COVE																				
10/07/69	5050						--	--	--	--	--	--	--	1.0	--	--	--			
0845	5060	2												.03			--			
10/08/69	5050				7.8		--	--	--	--	--	--	--	--	--	--	--			
1020		2															--			
11/19/69	5050						--	--	--	--	--	--	--	1.7	--	--	--			
1245	5060	2												.05			--			
11/19/69	5050		9.7	48.2F	7.7	87	--	--	--	--	--	--	--	--	--	--	--			
1400		2	105	9.0C													--			
03/10/70	5050						--	--	--	--	--	--	--	2.7	--	--	--			
1120	5060	2												.08			--			
03/13/70	5050		10.3	43.0F	7.5	91	--	--	--	--	--	--	--	--	--	--	--			0.2A
1320	5050	2	104	6.1C													--			
05/13/70	5050						--	--	--	--	--	--	--	2.5	--	--	--			
0845	5060	2												.07			--			
05/14/70	5050		9.8	45.9F	7.5	91	--	--	--	--	--	--	--	--	--	--	--			0.2A
1430	5050	2	103	7.7C													--			
08/25/70	5050		7.6	68.2F	7.8	91	--	--	--	--	--	--	--	--	--	--	--			0.2A
1400	5050	2	106	20.1C													--			
08/26/70	5050						--	--	--	--	--	--	--	2.0	--	--	--			
1040	5050	2												.06			--			
G7 L 900.8 006.6 LAKE TAHOE AT RUBICON BAY																				
10/07/69	5050						--	--	--	--	--	--	--	1.5	--	--	--			
0945	5060	2												.04			--			
10/08/69	5050		8.3	58.1F	7.9	89	--	--	--	--	--	--	--	--	--	--	--			
0815		2	102	14.5C													--			
11/19/69	5050		9.7	48.0F	7.7	87	--	--	--	--	--	--	--	--	--	--	--			0.1A
1015	5050	2	105	8.9C													--			
11/19/69	5050						--	--	--	--	--	--	--	1.7	--	--	--			
1400	5060	2												.05			--			
03/10/70	5050						--	--	--	--	--	--	--	2.5	--	--	--			
1330	5060	2												.07			--			
03/12/70	5050		10.3	42.8F	7.3	92	--	--	--	--	--	--	--	--	--	--	--			0.5A
1330	5050	2	103	6.0C													--			
05/11/70	5050		9.8	41.9F	7.2	90	--	--	--	--	--	--	--	--	--	--	--			0.2A
1115	5050	2	97	5.5C													--			
05/13/70	5050						--	--	--	--	--	--	--	1.5	--	--	--			
1050	5060	2												.04			--			
08/26/70	5050		7.5	65.5F	7.8	91	--	--	--	--	--	--	--	--	--	--	--			0.2A
0840	5050	2	101	18.6C													--			
08/26/70	5050						--	--	--	--	--	--	--	2.7	--	--	--			
1231	5050	2												.08			--			
G7 L 904.5 008.3 LAKE TAHOE AT CHAMBERS LODGE																				
10/06/69	5050		8.5	59.4F	7.8	89	--	--	--	--	--	--	--	--	--	--	--			
1515		2	106	15.2C													--			
10/07/69	5050						--	--	--	--	--	--	--	1.0	--	--	--			
1000	5060	2												.03			--			
11/19/69	5050		9.6	47.8F	7.6	87	--	--	--	--	--	--	--	--	--	--	--			
0915		2	103	8.8C													--			
11/19/69	5050						--	--	--	--	--	--	--	2.5	--	--	--			
1430	5060	2												.07			--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
G7 L 904.5 008.3 LAKE TAHOE AT CHAMBERS LODGE CONTINUED																				
03/10/70	5050						--	--	--	--	--	--	--	4.0	--	--	--			
1555	5060	2												.11			--			
03/12/70	5050		10.3	42.8F	7.3	91	--	--	--	--	--	--	--	--	--	--	--			0.3A
1450	5050	2	103	6.0C													--			
05/11/70	5050		9.8	42.8F	7.4	90	--	--	--	--	--	--	--	--	--	--	--			0.3A
1020	5050	2	98	6.0C													--			
05/13/70	5050						--	--	--	--	--	--	--	2.0	--	--	--			
1110	5060	2												.06			--			
08/17/70	5050		7.6	66.0F		90	--	--	--	--	--	--	--	--	--	--	--			0.1A
1230	5050	2	103	18.9C													--			
08/26/70	5050						--	--	--	--	--	--	--	2.4	--	--	--			
1300	5050	2												.07			--			
G7 L 905.4 956.4 LAKE TAHOE AT GLENBROOK																				
10/07/69	5050						--	--	--	--	--	--	--	1.0	--	--	--			
0815	5060	2												.03			--			
10/07/69	5050		8.1	59.9F	7.7	92	--	--	--	--	--	--	--	--	--	--	--			
1515		2	102	15.5C													--			
11/19/69	5050						--	--	--	--	--	--	--	1.7	--	--	--			
1215	5060	2												.05			--			
11/19/69	5050		9.8	48.9F	7.7	87	--	--	--	--	--	--	--	--	--	--	--			0.2A
1450	5050	2	107	9.4C													--			
03/10/70	5050						--	--	--	--	--	--	--	3.5	--	--	--			
1045	5060	2												.10			--			
03/13/70	5050		10.3	43.7F	7.5	95	--	--	--	--	--	--	--	--	--	--	--			0.3A
1225	5050	2	105	6.5C													--			
05/13/70	5050						--	--	--	--	--	--	--	1.5	--	--	--			
0825	5060	2												.04			--			
05/14/70	5050		9.8	47.1F	7.5	90	--	--	--	--	--	--	--	--	--	--	--			0.2A
1330	5050	2	104	8.4C													--			
08/25/70	5050		7.6	67.5F	7.7	90	--	--	--	--	--	--	--	--	--	--	--			0.1A
1320	5050	2	105	19.7C													--			
08/26/70	5050						--	--	--	--	--	--	--	2.8	--	--	--			
1005	5050	2												.08			--			
G7 L 908.7 000.3 LAKE TAHOE, NORTH CENTER																				
10/06/69	5050		8.2	58.1F	7.0	90	--	--	--	--	--	--	--	--	--	--	--			
1000		2	101	14.5C													--			
10/06/69	5050		9.8	40.1F	7.5		--	--	--	--	--	--	--	--	--	--	--			
1005		328	94	4.5C													--			
10/07/69	5050						--	--	--	--	--	--	--	1.5	--	--	--			
0800	5060	2												.04			--			
11/18/69	5050		9.4	47.7F	7.5	87	--	--	--	--	--	--	--	--	--	--	--			0.2A
1030	5050	2	101	8.7C													--			
11/18/69	5050		10.0	39.9F	7.3		--	--	--	--	--	--	--	--	--	--	--			0.8A
1035	5050	328	96	4.4C													--			
11/19/69	5050						--	--	--	--	--	--	--	1.5	--	--	--			
1030	5060	2												.04			--			
03/09/70	5050		9.8	41.9F	7.3	90	--	--	--	--	--	--	--	--	--	--	--			0.3A
1115	5050	2	97	5.5C													--			
03/10/70	5050						--	--	--	--	--	--	--	3.0	--	--	--			
1030	5060	2												.08			--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
G7 L 908.7 000.3 LAKE TAHOE, NORTH CENTER CONTINUED																				
03/12/70	5050		10.0	41.4F	7.5	94	--	--	--	--	--	--	--	--	--	--	--			
1015		328	98	5.2C													--			
05/12/70	5050		10.0	41.9F	7.3	90	--	--	--	--	--	--	--	--	--	--	--			0.3A
0840	5050	2	99	5.5C													--			
05/12/70	5050		10.0	41.0F	7.3		--	--	--	--	--	--	--	--	--	--	--			
0845		328	98	5.0C													--			
05/13/70	5050						--	--	--	--	--	--	--	2.0	--	--	--			
0805	5060	2												.06			--			
08/26/70	5050						--	--	--	--	--	--	--	2.0	--	--	--			
0935	5050	2												.06			--			
08/27/70	5050		7.6	66.4F	7.8	89	--	--	--	--	--	--	--	--	--	--	--			0.1A
1130	5050	2	103	19.1C													--			
08/27/70	5050		10.0	42.8F	7.6	90	--	--	--	--	--	--	--	--	--	--	--			
1135		361	100	6.0C													--			
G7 L 910.8 007.1 LAKE TAHOE NEAR LAKE FOREST																				
10/06/69	5050		8.5	59.9F	7.8	90	--	--	--	--	--	--	--	--	--	--	--			
1545		2	107	15.5C													--			
10/07/69	5050						--	--	--	--	--	--	--	1.5	--	--	--			
0700	5060	2												.04			--			
11/19/69	5050						--	--	--	--	--	--	--	1.7	--	--	--			
0910	5060	2												.05			--			
11/19/69	5050		9.8	47.8F	7.9	87	--	--	--	--	--	--	--	--	--	--	--			0.2A
1555	5050	2	106	8.8C													--			
03/10/70	5050						--	--	--	--	--	--	--	5.5	--	--	--			
0910	5060	2												.16			--			
03/12/70	5050		10.3	43.7F	7.5	93	--	--	--	--	--	--	--	--	--	--	--			0.3A
1640	5050	2	105	6.5C													--			
05/13/70	5050						--	--	--	--	--	--	--	2.0	--	--	--			
0700	5060	2												.06			--			
05/13/70	5050		9.8	45.1F	7.4	90	--	--	--	--	--	--	--	--	--	--	--			0.2A
1340	5050	2	102	7.3C													--			
08/17/70	5050		8.1	66.4F	7.9	90	--	--	--	--	--	--	--	--	--	--	--			0.4A
1020	5050	2	110	19.1C													--			
08/26/70	5050						--	--	--	--	--	--	--	2.4	--	--	--			
1338	5050	2												.07			--			
G7 L 914.2 002.2 LAKE TAHOE AT TAHOE VISTA																				
10/07/69	5050						--	--	--	--	--	--	--	1.5	--	--	--			
0715	5060	2												.04			--			
10/07/69	5050		8.1	59.4F	7.5	90	--	--	--	--	--	--	--	--	--	--	--			
1315		2	101	15.2C													--			
11/19/69	5050						--	--	--	--	--	--	--	2.0	--	--	--			
0940	5060	2												.06			--			
11/20/69	5050		9.6	48.2F	7.7	87	--	--	--	--	--	--	--	--	--	--	--			
0955		2	104	9.0C													--			
03/10/70	5050						--	--	--	--	--	--	--	3.5	--	--	--			
0940	5060	2												.10			--			
03/13/70	5050		10.3	41.9F	7.4	92	--	--	--	--	--	--	--	--	--	--	--			0.2A
1000	5050	2	102	5.5C													--			
05/13/70	5050						--	--	--	--	--	--	--	1.7	--	--	--			
^720	5060	2												.05			--			

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
G7 L 914.2 002.2 LAKE TAHOE AT TAHOE VISTA CONTINUED																				
05/13/70	5050		9.8	45.9F	7.4	95	--	--	--	--	--	--	--	--	--	--	--			0.3A
1440	5050	2	103	7.7C													--			
08/25/70	5050		7.5	67.5F	7.8	89	--	--	--	--	--	--	--	--	--	--	--			0.2A
1100	5050	2	103	19.7C													--			
08/26/70	5050						--	--	--	--	--	--	--	2.2	--	--	--			
0815	5050	2												.06			--			
G7 L 914.2 956.8 LAKE TAHOE AT INCLINE GUARD STATION																				
10/07/69	5050						--	--	--	--	--	--	--	1.5	--	--	--			
0745	5060	2												.04			--			
10/07/69	5050		8.2	59.0F	7.9	91	--	--	--	--	--	--	--	--	--	--	--			
1400		2	102	15.0C													--			
11/19/69	5050						--	--	--	--	--	--	--	1.5	--	--	--			
0955	5060	2												.04			--			
11/20/69	5050		9.4	47.8F	7.7	87	--	--	--	--	--	--	--	--	--	--	--			0.2A
0930	5050	2	101	8.8C													--			
03/10/70	5050						--	--	--	--	--	--	--	2.5	--	--	--			
1000	5060	2												.07			--			
03/13/70	5050		10.2	43.0F	7.5	91	--	--	--	--	--	--	--	--	--	--	--			0.2A
1100	5050	2	103	6.1C													--			
05/13/70	5050						--	--	--	--	--	--	--	2.0	--	--	--			
0740	5060	2												.06			--			
05/13/70	5050		9.8	46.8F	7.6	89	--	--	--	--	--	--	--	--	--	--	--			1.6A
1610	5050	2	104	8.2C													--			
08/25/70	5050		7.5	68.4F	7.7	89	--	--	--	--	--	--	--	--	--	--	--			0.1A
1200	5050	2	104	20.2C													--			
08/26/70	5050						--	--	--	--	--	--	--	2.3	--	--	--			
0854	5050	2												.06			--			

DATE TIME	SAMPLER LAB	G.H. O	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
G8 2300.00 CARSON RIVER WEST FORK AT WOODFORDS																				
04/16/70	5050	2.06	11.3	34 F	7.4	58	6.2	2.1	3.0	--	.0	34	--	1.0	--	--	--		24	4E
0930	5050		97	1 C	7.8	56	.31	.17	.13		.00	.56		.03			--		4	
							55	30	23			100		5						
09/22/70	5050	1.20	10.2	45 F	7.3	70	7.6	1.7	3.8	--	.0	40	--	.5	--	--	--		26	1E
0900	5050		103	7 C	7.8	70	.38	.14	.17		.00	.66		.01			--		7	
							54	20	24			94		1						
G8 3420.20 CARSON RIVER EF AT HWY 4 BRIDGE NR MARKLEEVILLE																				
04/16/70	5050		11.0	35 F	7.5	102	10	2.9	6.7	--	.0	52	--	2.8	--	--	--		37	6E
1000	5050	150	94	2 C	8.0	99	.50	.24	.29		.00	.85		.08			--		6	
							51	24	29			86		8						
09/22/70	5050		10.2	48 F	7.5	120	12	2.9	7.8	--	.0	63	--	3.3	--	--	--		42	1E
1000	5050	100	105	9 C	8.0	119	.60	.24	.34		.00	1.03		.09			--		10	
							50	20	29			87		8						
G9 2460.00 WEST WALKER RIV BELOW LITTLE WALKER RIV NR COLEVILLE																				
04/16/70	5050	1.90	10.6	38 F	7.3	85	8.5	2.4	4.0	--	.0	42	--	1.6	--	--	--		31	4E
1100	5050		100	3 C	8.0	74	.42	.20	.17		.00	.69		.05			--		4	
							57	27	23			93		7						
09/22/70	5050	0.97	10.4	52 F	8.0	130	15	2.5	7.4	--	.0	69	--	1.8	--	--	--		48	1E
1215	5050		120	11 C	8.2	130	.75	.21	.32		.00	1.13		.05			--		9	
							58	16	25			87		4						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP		FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB
G9	3200.00					EAST WALKER RIVER NEAR BRIDGEPORT															
04/16/70	5050	1.14	9.3	46	F	7.9	190	20	4.4	14	--	.0	106	--	3.0	--	--	--		68	20E
1225	5050		96	8	C	8.3	192	1.00	.36	.61		.00	1.74		.08			--		19	
								52	19	32			91		4						
09/22/70	5050	1.10	7.6	57	F	7.6	205	27	3.0	12	--	.0	117	--	1.2	--	--	--		80	70E
1320	5050		91	14	C	8.2	213	1.35	.25	.52		.00	1.92		.03			--		16	
								63	12	24			90		1						

TABLE D-3

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Abbreviations and Codes

Constituents

MBAS	-	Methylene blue active substance, a measure of detergent surfactants
BOD	-	Biological oxygen demand
COD	-	Chemical oxygen demand
UOD	-	Ultimate oxygen demand
Mg/L	-	Milligrams per liter
Ug/L	-	Micrograms per liter
Ft.	-	Feet

Samp - Codes for agency collecting sample

5001	-	U. S. Bureau of Reclamation
5050	-	Department of Water Resources
5212	-	Yuba City Water Treatment Plant

Lab - Codes for laboratory performing analysis

5000	-	U. S. Geological Survey Laboratory at Sacramento
5001	-	U. S. Bureau of Reclamation (field determination)
5006	-	McClellan Air Force Base Laboratory, used by U. S. Bureau of Reclamation
5050	-	Department of Water Resources Laboratory at Bryte
5060	-	Department of Public Health, Bureau of Sanitary Engineering Laboratory at Berkeley

TABLE D-3

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
AO 2195.01	SACRAMENTO RIVER BELOW KNIGHTS LANDING	05-11-70 0925	Aluminum	46	Ug/L	5050	5050
			Beryllium	<0.6	Ug/L	5050	5050
			Bismuth	<0.3	Ug/L	5050	5050
			Cadmium	<1.4	Ug/L	5050	5050
			Chromium	<1.4	Ug/L	5050	5050
			Cobalt	<1.4	Ug/L	5050	5050
			Copper	6.0	Ug/L	5050	5050
			Gallium	<5.7	Ug/L	5050	5050
			Germanium	<0.3	Ug/L	5050	5050
			Iron	46	Ug/L	5050	5050
			Lead	<1.4	Ug/L	5050	5050
			Manganese	<1.4	Ug/L	5050	5050
			Molybdenum	<0.3	Ug/L	5050	5050
			Nickel	6.9	Ug/L	5050	5050
			Titanium	<0.6	Ug/L	5050	5050
			Vanadium	2.1	Ug/L	5050	5050
			Zinc	<5.7	Ug/L	5050	5050
AO 2230.02	SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN	05-05-70 0930	Aluminum	63	Ug/L	5050	5050
			Beryllium	<0.6	Ug/L	5050	5050
			Bismuth	<0.3	Ug/L	5050	5050
			Cadmium	<1.4	Ug/L	5050	5050
			Chromium	<1.4	Ug/L	5050	5050
			Cobalt	<1.4	Ug/L	5050	5050
			Copper	5.1	Ug/L	5050	5050
			Gallium	<5.7	Ug/L	5050	5050
			Germanium	<0.3	Ug/L	5050	5050
			Iron	46	Ug/L	5050	5050
			Lead	<1.4	Ug/L	5050	5050
			Manganese	<1.4	Ug/L	5050	5050
			Molybdenum	<0.3	Ug/L	5050	5050
			Nickel	2.6	Ug/L	5050	5050
			Titanium	<0.6	Ug/L	5050	5050
			Vanadium	1.7	Ug/L	5050	5050
			Zinc	<5.7	Ug/L	5050	5050
AO 2420.00	SACRAMENTO RIVER AT COLUSA	05-05-70 1510	Aluminum	86	Ug/L	5050	5050
			Beryllium	<0.6	Ug/L	5050	5050
			Bismuth	<0.3	Ug/L	5050	5050
			Cadmium	<1.4	Ug/L	5050	5050
			Chromium	<1.4	Ug/L	5050	5050
			Cobalt	<1.4	Ug/L	5050	5050
			Copper	5.1	Ug/L	5050	5050
			Gallium	<5.7	Ug/L	5050	5050
			Germanium	<0.3	Ug/L	5050	5050
			Iron	83	Ug/L	5050	5050
			Lead	<1.4	Ug/L	5050	5050
			Manganese	<1.4	Ug/L	5050	5050
			Molybdenum	<0.3	Ug/L	5050	5050
			Nickel	<0.3	Ug/L	5050	5050
			Titanium	<0.6	Ug/L	5050	5050
			Vanadium	2.0	Ug/L	5050	5050
			Zinc	<5.7	Ug/L	5050	5050
		07-10-70 0940	Aluminum	63	Ug/L	5050	5050
			Beryllium	<0.6	Ug/L	5050	5050
			Bismuth	<0.3	Ug/L	5050	5050
			Cadmium	<1.4	Ug/L	5050	5050
			Chromium	<1.4	Ug/L	5050	5050
			Cobalt	<1.4	Ug/L	5050	5050
			Copper	<1.4	Ug/L	5050	5050
			Gallium	<5.7	Ug/L	5050	5050
			Germanium	<0.3	Ug/L	5050	5050
			Iron	29	Ug/L	5050	5050
			Lead	<1.4	Ug/L	5050	5050
			Manganese	<1.4	Ug/L	5050	5050
			Molybdenum	<0.3	Ug/L	5050	5050
			Nickel	2.1	Ug/L	5050	5050
			Titanium	<0.6	Ug/L	5050	5050
			Vanadium	2.1	Ug/L	5050	5050
			Zinc	<5.7	Ug/L	5050	5050
AO 2630.00	SACRAMENTO RIVER AT HAMILTON CITY	05-06-70 1340	Aluminum	143	Ug/L	5050	5050
			Beryllium	<0.6	Ug/L	5050	5050
			Bismuth	<0.3	Ug/L	5050	5050
			Cadmium	<1.4	Ug/L	5050	5050
			Chromium	<1.4	Ug/L	5050	5050
			Cobalt	<1.4	Ug/L	5050	5050
			Copper	6.9	Ug/L	5050	5050
			Gallium	<5.7	Ug/L	5050	5050
			Germanium	<0.3	Ug/L	5050	5050
			Iron	77	Ug/L	5050	5050
			Lead	<1.4	Ug/L	5050	5050
			Manganese	<1.4	Ug/L	5050	5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
AO 2630.00	SACRAMENTO RIVER AT HAMILTON CITY (Continued)	05-06-70 1340	Molybdenum	<0.3	Ug/L	5050	5050
			Nickel	2.5	Ug/L	5050	5050
			Titanium	<0.6	Ug/L	5050	5050
			Vanadium	1.9	Ug/L	5050	5050
			Zinc	<5.7	Ug/L	5050	5050
		09-04-70 0815	Aluminum	<1.4	Ug/L	5050	5050
			Beryllium	<0.6	Ug/L	5050	5050
			Bismuth	<0.3	Ug/L	5050	5050
			Cadmium	<1.4	Ug/L	5050	5050
			Chromium	<1.4	Ug/L	5050	5050
			Cobalt	<1.4	Ug/L	5050	5050
			Copper	<1.4	Ug/L	5050	5050
			Gallium	<5.7	Ug/L	5050	5050
			Germanium	<0.3	Ug/L	5050	5050
			Iron	1.2	Ug/L	5050	5050
			Lead	<1.4	Ug/L	5050	5050
			Manganese	<1.4	Ug/L	5050	5050
			Molybdenum	<0.3	Ug/L	5050	5050
			Nickel	1.5	Ug/L	5050	5050
			Titanium	<0.6	Ug/L	5050	5050
			Vanadium	0.7	Ug/L	5050	5050
			Zinc	<5.7	Ug/L	5050	5050
AO 2785.00	SACRAMENTO RIVER AT BEND BRIDGE	05-07-70 0735	Aluminum	123	Ug/L	5050	5050
			Beryllium	<0.6	Ug/L	5050	5050
			Bismuth	<0.3	Ug/L	5050	5050
			Cadmium	<1.4	Ug/L	5050	5050
			Chromium	<1.4	Ug/L	5050	5050
			Cobalt	<1.4	Ug/L	5050	5050
			Copper	<1.4	Ug/L	5050	5050
			Gallium	<5.7	Ug/L	5050	5050
			Germanium	<0.3	Ug/L	5050	5050
			Iron	157	Ug/L	5050	5050
			Lead	<1.4	Ug/L	5050	5050
			Manganese	<1.4	Ug/L	5050	5050
			Molybdenum	<0.3	Ug/L	5050	5050
			Nickel	<0.3	Ug/L	5050	5050
			Titanium	<0.6	Ug/L	5050	5050
			Vanadium	1.7	Ug/L	5050	5050
			Zinc	<5.7	Ug/L	5050	5050
		09-02-70 1440	Aluminum	22	Ug/L	5050	5050
			Beryllium	<0.6	Ug/L	5050	5050
			Bismuth	<0.3	Ug/L	5050	5050
			Cadmium	<1.4	Ug/L	5050	5050
			Chromium	<1.4	Ug/L	5050	5050
			Cobalt	<1.4	Ug/L	5050	5050
			Copper	<1.4	Ug/L	5050	5050
			Gallium	<5.7	Ug/L	5050	5050
			Germanium	<0.3	Ug/L	5050	5050
			Iron	16	Ug/L	5050	5050
			Lead	<1.4	Ug/L	5050	5050
			Manganese	<1.4	Ug/L	5050	5050
			Molybdenum	<0.3	Ug/L	5050	5050
			Nickel	1.7	Ug/L	5050	5050
			Titanium	<0.6	Ug/L	5050	5050
			Vanadium	2.7	Ug/L	5050	5050
			Zinc	<5.7	Ug/L	5050	5050
AO 5103.00	FEATHER RIVER AT NICOLAUS	10-02-69 1215	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.00	Mg/L	5050	5050
			Iron	0.02	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Manganese	0.00	Mg/L	5050	5050
			Molybdenum	1.2	Ug/L	5050	5050
			Phenols	0.000	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.00	Mg/L	5050	5050
		11-05-69 1055	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.00	Mg/L	5050	5050
			Iron	0.00	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Manganese	0.01	Mg/L	5050	5050
			Molybdenum	0.4	Ug/L	5050	5050
			Phenols	0.002	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.00	Mg/L	5050	5050
		12-03-69 1120	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.00	Mg/L	5050	5050
			Iron	0.01	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
AO 5103.00	FEATHER RIVER AT NICOLAUS (Continued)	12-03-69 1120	Manganese	0.00	Mg/L	5050	5050
			Molybdenum	0.3	Ug/L	5050	5050
			Phenols	0.000	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.00	Mg/L	5050	5050
		01-07-70 1225	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.01	Mg/L	5050	5050
			Iron	0.10	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Manganese	0.01	Mg/L	5050	5050
			Molybdenum	0.1	Ug/L	5050	5050
			Phenols	0.001	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.00	Mg/L	5050	5050
		02-04-70 1040	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.01	Mg/L	5050	5050
			Iron	0.35	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Manganese	0.00	Mg/L	5050	5050
			Molybdenum	0.3	Ug/L	5050	5050
			Phenols	0.003	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.00	Mg/L	5050	5050
		03-04-70 1220	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.01	Mg/L	5050	5050
			Iron	0.38	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Manganese	0.00	Mg/L	5050	5050
			Molybdenum	0.1	Ug/L	5050	5050
			Phenols	0.000	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.00	Mg/L	5050	5050
		04-08-70 1210	Arsenic	0.00	Mg/L	5050	5050
			Copper	0.00	Mg/L	5050	5050
			Iron	0.09	Mg/L	5050	5050
			Lead	0.01	Mg/L	5050	5050
			Manganese	0.01	Mg/L	5050	5050
			Phenols	0.001	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.01	Mg/L	5050	5050
		05-06-70 1125	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.02	Mg/L	5050	5050
			Iron	0.02	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Manganese	0.00	Mg/L	5050	5050
			Molybdenum	0.4	Ug/L	5050	5050
			Phenols	0.000	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.00	Mg/L	5050	5050
		06-03-70 1030	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.01	Mg/L	5050	5050
			Iron	0.02	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Manganese	0.00	Mg/L	5050	5050
			Molybdenum	0.6	Ug/L	5050	5050
			Phenols	0.002	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.02	Mg/L	5050	5050
		07-07-70 1015	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.01	Mg/L	5050	5050
			Iron	0.02	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Manganese	0.00	Mg/L	5050	5050
			Molybdenum	0.4	Ug/L	5050	5050
			Phenols	0.000	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.01	Mg/L	5050	5050
		08-05-70 0830	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.01	Mg/L	5050	5050
			Iron	0.02	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Manganese	0.00	Mg/L	5050	5050
			Molybdenum	0.7	Ug/L	5050	5050
			Phenols	0.002	Mg/L	5050	5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
AO 5103.00	FEATHER RIVER AT NICOLAUS (Continued)	08-05-70 0830	Selenium	0.00	Mg/L	5050	5050
			Zinc	0.00	Mg/L	5050	5050
		09-02-70 0840	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.00	Mg/L	5050	5050
			Iron	0.01	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Manganese	0.00	Mg/L	5050	5050
			Molybdenum	0.0	Ug/L	5050	5050
			Phenols	0.001	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.01	Mg/L	5050	5050
AO 5136.01	FEATHER RIVER AT YUBA CITY DIVERSION	03-04-70 1100	Arsenic	0.00	Mg/L	5212	5050
			Chromium	0.00	Mg/L	5212	5050
			Copper	0.00	Mg/L	5212	5050
			Iron	0.05	Mg/L	5212	5050
			Lead	0.01	Mg/L	5212	5050
			Manganese	0.00	Mg/L	5212	5050
			Phenols	0.000	Mg/L	5212	5050
			Selenium	0.00	Mg/L	5212	5050
			Zinc	0.00	Mg/L	5212	5050
AO 5165.00	FEATHER RIVER NEAR GRIDLEY	10-02-69 1010	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.00	Mg/L	5050	5050
			Iron	0.07	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Manganese	0.00	Mg/L	5050	5050
			Molybdenum	0.7	Ug/L	5050	5050
			Phenols	0.002	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.01	Mg/L	5050	5050
		11-05-69 0845	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.01	Mg/L	5050	5050
			Iron	0.00	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Manganese	0.01	Mg/L	5050	5050
			Molybdenum	0.3	Ug/L	5050	5050
			Phenols	0.001	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.00	Mg/L	5050	5050
		12-03-69 0925	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.01	Mg/L	5050	5050
			Iron	0.01	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Manganese	0.00	Mg/L	5050	5050
			Molybdenum	0.8	Ug/L	5050	5050
			Phenols	0.000	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.00	Mg/L	5050	5050
		01-07-70 1005	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.01	Mg/L	5050	5050
			Iron	0.04	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Manganese	0.01	Mg/L	5050	5050
			Molybdenum	0.0	Ug/L	5050	5050
			Phenols	0.001	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.00	Mg/L	5050	5050
		02-04-70 0910	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.02	Mg/L	5050	5050
			Iron	0.24	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Manganese	0.00	Mg/L	5050	5050
			Molybdenum	0.4	Ug/L	5050	5050
			Phenols	0.000	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.01	Mg/L	5050	5050
		03-04-70 0930	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.00	Mg/L	5050	5050
			Iron	0.22	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Manganese	0.00	Mg/L	5050	5050
			Molybdenum	0.2	Ug/L	5050	5050
			Phenols	0.000	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.00	Mg/L	5050	5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
A0 5165.00	FEATHER RIVER NEAR GRIDLEY (Continued)	04-08-70 0955	Arsenic	0.00	Mg/L	5050	5050
			Copper	0.00	Mg/L	5050	5050
			Iron	0.00	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Manganese	0.00	Mg/L	5050	5050
			Phenols	0.001	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.01	Mg/L	5050	5050
		05-06-70 0935	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.02	Mg/L	5050	5050
			Iron	0.03	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Manganese	0.00	Mg/L	5050	5050
			Molybdenum	0.3	Ug/L	5050	5050
			Phenols	0.000	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.00	Mg/L	5050	5050
		06-03-70 0750	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.00	Mg/L	5050	5050
			Iron	0.04	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Manganese	0.01	Mg/L	5050	5050
			Molybdenum	0.6	Ug/L	5050	5050
			Phenols	0.001	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.01	Mg/L	5050	5050
		07-08-70 0630	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.01	Mg/L	5050	5050
			Iron	0.01	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Manganese	0.00	Mg/L	5050	5050
			Molybdenum	0.4	Ug/L	5050	5050
			Phenols	0.000	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.01	Mg/L	5050	5050
		08-05-70 0640	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.00	Mg/L	5050	5050
			Iron	0.02	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Manganese	0.00	Mg/L	5050	5050
			Molybdenum	0.5	Ug/L	5050	5050
			Phenols	0.000	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.00	Mg/L	5050	5050
		09-02-70 0815	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.00	Mg/L	5050	5050
			Iron	0.01	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Manganese	0.00	Mg/L	5050	5050
			Molybdenum	1.5	Ug/L	5050	5050
			Phenols	0.001	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.00	Mg/L	5050	5050
A1 1680.00	PIT RIVER NEAR CANBY	05-13-70 1355	Aluminum	286	Ug/L	5050	5050
			Beryllium	<0.6	Ug/L	5050	5050
			Bismuth	<0.3	Ug/L	5050	5050
			Cadmium	<1.4	Ug/L	5050	5050
			Chromium	<1.4	Ug/L	5050	5050
			Cobalt	<1.4	Ug/L	5050	5050
			Copper	<1.4	Ug/L	5050	5050
			Gallium	<5.7	Ug/L	5050	5050
			Germanium	<0.3	Ug/L	5050	5050
			Iron	114	Ug/L	5050	5050
			Lead	<1.4	Ug/L	5050	5050
			Manganese	<1.4	Ug/L	5050	5050
			Molybdenum	<0.3	Ug/L	5050	5050
			Nickel	4.6	Ug/L	5050	5050
			Titanium	<0.6	Ug/L	5050	5050
			Vanadium	5.4	Ug/L	5050	5050
			Zinc	<5.7	Ug/L	5050	5050
A2 1010.00	SACRAMENTO RIVER AT KESWICK	05-07-70 1225	Aluminum	117	Ug/L	5050	5050
			Beryllium	<0.6	Ug/L	5050	5050
			Bismuth	<0.3	Ug/L	5050	5050
			Cadmium	<1.4	Ug/L	5050	5050
			Chromium	<1.4	Ug/L	5050	5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
A2 1010.00	SACRAMENTO RIVER AT KESWICK (Continued)	05-07-70 1225	Cobalt	<1.4	Ug/L	5050	5050
			Copper	<1.4	Ug/L	5050	5050
			Gallium	<5.7	Ug/L	5050	5050
			Germanium	<0.3	Ug/L	5050	5050
			Iron	143	Ug/L	5050	5050
			Lead	<1.4	Ug/L	5050	5050
			Manganese	<1.4	Ug/L	5050	5050
			Molybdenum	<0.3	Ug/L	5050	5050
			Nickel	<0.3	Ug/L	5050	5050
			Titanium	<0.6	Ug/L	5050	5050
			Vanadium	1.8	Ug/L	5050	5050
			Zinc	<5.7	Ug/L	5050	5050
		09-08-70 0930	Aluminum	3.4	Ug/L	5050	5050
			Beryllium	<0.6	Ug/L	5050	5050
			Bismuth	<0.3	Ug/L	5050	5050
			Cadmium	<1.4	Ug/L	5050	5050
			Chromium	<1.4	Ug/L	5050	5050
			Cobalt	<1.4	Ug/L	5050	5050
			Copper	<1.4	Ug/L	5050	5050
			Gallium	<5.7	Ug/L	5050	5050
			Germanium	<0.3	Ug/L	5050	5050
			Iron	7.1	Ug/L	5050	5050
			Lead	<1.4	Ug/L	5050	5050
			Manganese	<1.4	Ug/L	5050	5050
			Molybdenum	<0.3	Ug/L	5050	5050
			Nickel	1.3	Ug/L	5050	5050
			Titanium	<0.6	Ug/L	5050	5050
			Vanadium	0.7	Ug/L	5050	5050
			Zinc	<5.7	Ug/L	5050	5050
A5 R 010.8 036.3	ANTELOPE LAKE AT EAST END OF DAM	05-06-70 1230	Suspended Solids	16	Mg/L	5050	5050
			Volatile Suspended Solids	7	Mg/L	5050	5050
		09-23-70 1325	Suspended Solids	20	Mg/L	5050	5050
			Volatile Suspended Solids	12	Mg/L	5050	5050
A5 R 011.3 034.1	ANTELOPE LAKE AT ANTELOPE CREEK BRIDGE	10-08-69 0925	Suspended Solids	11	Mg/L	5050	5050
			Volatile Suspended Solids	4	Mg/L	5050	5050
		05-06-70 1305	Suspended Solids	26	Mg/L	5050	5050
			Volatile Suspended Solids	7	Mg/L	5050	5050
		09-23-70 1350	Suspended Solids	28	Mg/L	5050	5050
			Volatile Suspended Solids	11	Mg/L	5050	5050
A5 R 011.7 036.5	ANTELOPE LAKE AT LONE ROCK CAMPGROUND	10-08-69 0850	Suspended Solids	12	Mg/L	5050	5050
			Volatile Suspended Solids	4	Mg/L	5050	5050
		05-06-70 1345	Suspended Solids	33	Mg/L	5050	5050
			Volatile Suspended Solids	10	Mg/L	5050	5050
		09-23-70 1425	Suspended Solids	39	Mg/L	5050	5050
			Volatile Suspended Solids	13	Mg/L	5050	5050
A5 R 932.7 128.5	LAKE OROVILLE NEAR OROVILLE DAM (STATION 1)	10-21-69 1250	Secchi Disk	13.8	Ft.	5050	5050
		01-27-70 1115	Secchi Disk	1.3	Ft.	5050	5050
			Molybdenum	0.3	Mg/L	5050	5050
		03-26-70 0930	Secchi Disk	13.8	Ft.	5050	5050
		04-28-70 0930	Secchi Disk	23.0	Ft.	5050	5050
A5 R 933.1 125.7	LAKE OROVILLE AT BIDWELL BAR BRIDGE (STATION 3)	10-21-69 1115	Secchi Disk	16.7	Ft.	5050	5050
		01-27-70 1230	Secchi Disk	1.3	Ft.	5050	5050
			Molybdenum	0.3	Mg/L	5050	5050
		03-26-70 1110	Secchi Disk	15.1	Ft.	5050	5050
		04-28-70 1030	Secchi Disk	24.6	Ft.	5050	5050
A5 R 937.0 129.3	LAKE OROVILLE IN NORTH FORK ARM (STATION 2)	10-21-69 0815	Secchi Disk	13.4	Ft.	050	5050
		01-27-70 0920	Secchi Disk	1.3	Ft.	5050	5050
			Molybdenum	0.3	Mg/L	5050	5050
		03-26-70 1025	Secchi Disk	12.1	Ft.	5050	5050
		04-28-70 0820	Secchi Disk	23.0	Ft.	5050	5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
A5 R 953.0 028.4	LAKE DAVIS AT NORTHEAST END OF DAM	05-06-70 1005	Suspended Solids	3	Mg/L	5050	5050
			Volatile Suspended Solids	3	Mg/L	5050	5050
A5 R 953.0 028.6	LAKE DAVIS NEAR DAM	05-26-70 1500	Iron	0.35	Mg/L	5050	5050
			Manganese	0.15	Mg/L	5050	5050
		06-24-70 0810 (5 feet)	Iron, Total	0.00	Mg/L	5050	5050
			Manganese	0.00	Mg/L	5050	5050
		06-24-70 0845 (85 feet)	Iron, Total	0.01	Mg/L	5050	5050
			Manganese	0.00	Mg/L	5050	5050
		08-25-70 1725 (12 feet)	Iron, Total	0.20	Mg/L	5050	5050
			Manganese	0.06	Mg/L	5050	5050
		08-25-70 1735 (33 feet)	Iron, Total	2.8	Mg/L	5050	5050
			Manganese	1.5	Mg/L	5050	5050
		09-22-70 1455 (12 feet)	MBAS	0.0	Mg/L	5050	5050
			Iron, Total	0.51	Mg/L	5050	5050
			Manganese	0.34	Mg/L	5050	5050
		09-22-70 1505 (32 feet)	Iron, Total	0.59	Mg/L	5050	5050
			Manganese	0.37	Mg/L	5050	5050
		09-22-70 1520 (72 feet)	Iron, Total	8.0	Mg/L	5050	5050
			Manganese	1.4	Mg/L	5050	5050
A5 R 953.6 011.4	FRENCHMAN LAKE AT WEST END OF DAM	10-07-69 0750	Suspended	5	Mg/L	5050	5050
			Volatile Suspended Solids	2	Mg/L	5050	5050
		05-06-70 0705	Suspended Solids	7	Mg/L	5050	5050
			Volatile Suspended Solids	6	Mg/L	5050	5050
		09-23-70 0850	Suspended Solids	8	Mg/L	5050	5050
			Volatile Suspended Solids	4	Mg/L	5050	5050
A5 R 954.9 010.9	FRENCHMAN LAKE AT CRYSTAL SPRINGS CAMPGROUND	10-07-69 0830	Suspended Solids	5	Mg/L	5050	5050
			Volatile Suspended Solids	2	Mg/L	5050	5050
		05-06-70 0740	Suspended Solids	17	Mg/L	5050	5050
			Volatile Suspended Solids	6	Mg/L	5050	5050
		09-23-70 0920	Suspended Solids	18	Mg/L	5050	5050
			Volatile Suspended Solids	11	Mg/L	5050	5050
A5 R 954.9 030.3	LAKE DAVIS, MIDLAKE	06-24-70 1040	BOD (5 days)	1.0	Mg/L	5050	5050
			BOD (33 days)	2.5	Mg/L	5050	5050
		09-22-70 1300	MBAS	0.0	Mg/L	5050	5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
A5 R 955.8 030.4	LAKE DAVIS OPPOSITE MT. NICHOLS LOGGING ROAD	10-07-69 1255	Suspended Solids	18	Mg/L	5050	5050
			Volatile Suspended Solids	5	Mg/L	5050	5050
A5 R 955.9 031.3	LAKE DAVIS NEAR NORTH END	06-24-70 1500	BOD (5 days)	1.2	Mg/L	5050	5050
			BOD (33 days)	3.5	Mg/L	5050	5050
		09-22-70 1145	MBAS	0.0	Mg/L	5050	5050
A5 R 956.1 031.3	LAKE DAVIS AT VALLEY VISTA RECREATION AREA	05-06-70 0930	Suspended Solids	8	Mg/L	5050	5050
			Volatile Suspended Solids	5	Mg/L	5050	5050
A5 R 956.9 012.3	FRENCHMAN LAKE NEAR UPPER END	10-07-69 0900	Suspended Solids	6	Mg/L	5050	5050
			Volatile Suspended Solids	3	Mg/L	5050	5050
		05-06-70 0805	Suspended Solids	13	Mg/L	5050	5050
			Volatile Suspended Solids	5	Mg/L	5050	5050
		09-23-70 0955	Suspended Solids	12	Mg/L	5050	5050
			Volatile Suspended Solids	9	Mg/L	5050	5050
B0 7020.00	SAN JOAQUIN RIVER NEAR VERNALIS	10-17-69 1515	BOD	2.3	Mg/L	5001	5006
			Secchi Disk	1.8	Ft.	5001	5001
		11-19-69 1000	BOD	1.8	Mg/L	5001	5006
			Secchi Disk	1.7	Ft.	5001	5001
		02-13-70 1420	BOD	1.8	Mg/L	5001	5006
			Secchi Disk	0.5	Ft.	5001	5001
		03-17-70 1215	BOD	1.4	Mg/L	5001	5006
		04-16-70 1200	BOD	7.6	Mg/L	5001	5006
			Secchi Disk	1.0	Ft.	5001	5001
		05-20-70 1100	BOD	2.0	Mg/L	5001	5006
			Secchi Disk	1.0	Ft.	5001	5001
		06-16-70 1225	BOD	4.4	Mg/L	5001	5006
			Secchi Disk	1.3	Ft.	5001	5001
		07-14-70 1100	BOD	5.4	Mg/L	5001	5006
			Secchi Disk	0.7	Ft.	5001	5001
		08-12-70 1050	BOD	5.7	Mg/L	5001	5006
			Secchi Disk	1.0	Ft.	5001	5001
		09-10-70 0910	BOD	5.7	Mg/L	5001	5006
			Secchi Disk	0.7	Ft.	5001	5001
		09-16-70 0530	COD	20	Mg/L	5050	5050
			UOD	26	Mg/L	5050	5050
B9 D 747.2 118.4	SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	09-16-70 0620	COD	15	Mg/L	5050	5050
			UOD	20	Mg/L	5050	5050
		09-28-70 --	COD	17	Mg/L	5050	5050
			UOD	22	Mg/L	5050	5050
B9 D 748.3 126.9	OLD RIVER AT TRACY ROAD BRIDGE	10-22-69 1400	BOD	4.2	Mg/L	5001	5006
			Secchi Disk	1.2	Ft.	5001	5001
		11-14-69 1242	Secchi Disk	1.9	Ft.	5001	5001
		12-19-69 1055	Secchi Disk	1.0	Ft.	5001	5001
		01-13-70 1345	BOD	1.4	Mg/L	5001	5006
			Secchi Disk	1.4	Ft.	5001	5001
		02-18-70 1240	Secchi Disk	1.0	Ft.	5001	5001
		03-13-70 1125	Secchi Disk	1.1	Ft.	5001	5001
		04-22-70 1330	BOD	8.6	Mg/L	5001	5006
			Secchi Disk	0.7	Ft.	5001	5001
		05-11-70 1155	Secchi Disk	0.8	Ft.	5001	5001
		06-17-70 1430	Secchi Disk	0.8	Ft.	5001	5001
		07-09-70 1210	BOD	6.5	Mg/L	5001	5006
			Secchi Disk	1.2	Ft.	5001	5001
		08-14-70 1330	Secchi Disk	0.8	Ft.	5001	5001
		09-17-70 0635	COD	25	Mg/L	5001	5050
			UOD	35	Mg/L	5001	5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 748.3 126.9	OLD RIVER AT TRACY ROAD BRIDGE (Continued)	09-18-70 1105	Secchi Disk	0.8	Ft.	5001	5001
		09-21-70 0600	COD	21	Mg/L	5001	5050
			UOD	28	Mg/L	5001	5050
		09-28-70 0630	COD	22	Mg/L	5001	5050
			UOD	28	Mg/L	5001	5050
B9 D 748.5 120.0	OLD RIVER BELOW HEAD	09-16-70 --	COD	23	Mg/L	5001	5050
			UOD	31	Mg/L	5001	5050
		09-21-70 0750	COD	25	Mg/L	5001	5050
			UOD	31	Mg/L	5001	5050
		09-28-70 0810	COD	23	Mg/L	5001	5050
			UOD	28	Mg/L	5001	5050
B9 D 749.8 122.5	OLD RIVER AT JUNCTION OF MIDDLE RIVER	09-17-70 0820	COD	26	Mg/L	5001	5050
			UOD	36	Mg/L	5001	5050
		09-21-70 0650	COD	21	Mg/L	5001	5050
			UOD	29	Mg/L	5001	5050
		09-28-70 0710	COD	24	Mg/L	5001	5050
			UOD	29	Mg/L	5001	5050
B9 D 751.9 119.3	SAN JOAQUIN RIVER AT BRANDT BRIDGE	09-16-70 0705	COD	24	Mg/L	5050	5050
			UOD	30	Mg/L	5050	5050
		09-28-70 0635	COD	21	Mg/L	5050	5050
			UOD	27	Mg/L	5050	5050
B9 D 752.6 122.9	MIDDLE RIVER AT WILLIAMS BRIDGE NEAR HOLT	10-22-69 1320	BOD	1.6	Mg/L	5001	5006
			Secchi Disk	1.5	Ft.	5001	5001
		11-14-69 1156	Secchi Disk	1.9	Ft.	5001	5001
		12-19-69 1015	Secchi Disk	1.1	Ft.	5001	5001
		01-13-70 1305	BOD	0.8	Mg/L	5001	5006
			Secchi Disk	1.5	Ft.	5001	5001
		02-18-70 1200	Secchi Disk	0.8	Ft.	5001	5001
		03-13-70 1052	Secchi Disk	1.1	Ft.	5001	5001
		04-22-70 1250	BOD	2.9	Mg/L	5001	5006
			Secchi Disk	0.6	Ft.	5001	5001
		05-11-70 1120	Secchi Disk	0.7	Ft.	5001	5001
		06-17-70 1340	Secchi Disk	0.7	Ft.	5001	5001
		07-09-70 1120	BOD	2.6	Mg/L	5001	5006
			Secchi Disk	0.6	Ft.	5001	5001
		08-14-70 1250	Secchi Disk	0.7	Ft.	5001	5001
		09-18-70 1030	Secchi Disk	0.7	Ft.	5001	5001
B9 D 753.5 129.3	MIDDLE RIVER AT BORDEN HIGHWAY	10-22-69 1230	BOD	0.6	Mg/L	5001	5006
			Secchi Disk	1.3	Ft.	5001	5001
		11-14-69 1118	Secchi Disk	1.7	Ft.	5001	5001
		12-19-69 0935	Secchi Disk	1.1	Ft.	5001	5001
		01-13-70 1230	BOD	0.9	Mg/L	5001	5006
			Secchi Disk	1.0	Ft.	5001	5001
		02-18-70 1120	Secchi Disk	0.8	Ft.	5001	5001
		03-13-70 1016	Secchi Disk	1.1	Ft.	5001	5001
		04-22-70 1215	BOD	1.2	Mg/L	5001	5006
			Secchi Disk	0.7	Ft.	5001	5001
		05-11-70 1045	Secchi Disk	0.6	Ft.	5001	5001
		06-17-70 1300	Secchi Disk	0.7	Ft.	5001	5001
		07-09-70 1035	BOD	1.3	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 753.5 129.3	MIDDLE RIVER AT BORDEN HIGHWAY (Continued)	08-14-70 1215	Secchi Disk	0.8	Ft.	5001	5001
		09-18-70 0950	Secchi Disk	0.9	Ft.	5001	5001
B9 D 756.1 125.8	WHISKY SLOUGH AT HOLT	10-22-69 1130	BOD	1.8	Mg/L	5001	5006
			Secchi Disk	1.7	Ft.	5001	5001
		11-14-69 1047	Secchi Disk	1.8	Ft.	5001	5001
		12-19-69 0853	Secchi Disk	1.2	Ft.	5001	5001
		01-13-70 1055	BOD	1.0	Mg/L	5001	5006
			Secchi Disk	1.3	Ft.	5001	5001
		02-18-70 1047	Secchi Disk	1.2	Ft.	5001	5001
		03-13-70 0947	Secchi Disk	2.2	Ft.	5001	5001
		04-22-70 1145	BOD	2.5	Mg/L	5001	5006
			Secchi Disk	1.1	Ft.	5001	5001
		05-11-70 1011	Secchi Disk	0.8	Ft.	5001	5001
		06-17-70 1229	Secchi Disk	1.0	Ft.	5001	5001
		07-09-70 0955	BOD	3.4	Mg/L	5001	5006
			Secchi Disk	1.1	Ft.	5001	5001
		08-14-70 1147	Secchi Disk	1.0	Ft.	5001	5001
		09-18-70 0911	Secchi Disk	0.8	Ft.	5001	5001
B9 D 757.8 121.9	STOCKTON SHIP CHANNEL AT BURNS CUTOFF	09-16-70 0840	COD	15	Mg/L	5050	5050
			UOD	20	Mg/L	5050	5050
		09-28-70 0725	COD	15	Mg/L	5050	5050
			UOD	21	Mg/L	5050	5050
B9 D 758.7 122.9	SAN JOAQUIN RIVER AT BUCKLEY COVE	10-22-69 1020	BOD	1.9	Mg/L	5001	5006
			Secchi Disk	1.3	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron, Total	0.2	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		11-14-69 1350	BOD	1.9	Mg/L	5001	5006
			Secchi Disk	1.8	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	<0.1	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1			
		12-18-69 0955	BOD	1.6	Mg/L	5001	5006
			Secchi Disk	2.2	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron, Total	<0.1	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	0.2	Mg/L	5001	5006
		01-13-70 0955	BOD	1.4	Mg/L	5001	5006
			Secchi Disk	2.0	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	<0.1	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		02-17-70 1205	BOD	1.5	Mg/L	5001	5006
			Secchi Disk	1.3	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 758.7 122.9	SAN JOAQUIN RIVER AT BUCKLEY COVE (Continued)	02-17-70 1205	Copper	<0.1	Mg/L	5001	5006
			Iron	0.2	Mg/L	5001	5006
			Lead	0.04	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		03-12-70 1115	BOD	1.4	Mg/L	5001	5006
			Secchi Disk	1.2	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron, Total	<0.1	Mg/L	5001	5006
			Lead	0.02	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		04-21-70 1430	BOD	4.0	Mg/L	5001	5006
			Secchi Disk	1.4	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	<0.1	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		05-12-70 1400	BOD	5.3	Mg/L	5001	5006
			Secchi Disk	0.9	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	<0.1	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		06-10-70 1345	BOD	3.0	Mg/L	5001	5006
			Secchi Disk	1.0	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	<0.1	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		07-08-70 1315	BOD	3.7	Mg/L	5001	5006
			Secchi Disk	1.3	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	0.1	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		08-11-70 1345	BOD	1.2	Mg/L	5001	5006
			Secchi Disk	1.0	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron, Total	<0.01	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		09-17-70 1305	BOD	2.8	Mg/L	5001	5006
			Secchi Disk	1.3	Ft.	5001	5001
			Cadmium	0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	<0.1	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
B9 D 759.9 126.6	SAN JOAQUIN RIVER AT LIGHT 24	09-16-70 0930	COD	7	Mg/L	5050	5050
			UOD	10	Mg/L	5050	5050
		09-28-70 0825	COD	11	Mg/L	5050	5050
			UOD	14	Mg/L	5050	5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 800.5 134.8	OLD RIVER AT HOLLAND TRACT	10-17-69	BOD	1.0	Mg/L	5001	5006
		1330	Secchi Disk	1.3	Ft.	5001	5001
		11-19-69	BOD	1.5	Mg/L	5001	5006
		1300	Secchi Disk	1.3	Ft.	5001	5001
		02-13-70	BOD	1.7	Mg/L	5001	5006
		1300	Secchi Disk	0.9	Ft.	5001	5001
		03-17-70	BOD	1.0	Mg/L	5001	5006
		1345	Secchi Disk	0.6	Ft.	5001	5001
		04-16-70	BOD	1.4	Mg/L	5001	5006
		1335	Secchi Disk	1.0	Ft.	5001	5001
		05-19-70	BOD	2.1	Mg/L	5001	5006
		1820	Secchi Disk	0.8	Ft.	5001	5001
		06-16-70	BOD	1.5	Mg/L	5001	5006
		1555	Secchi Disk	0.8	Ft.	5001	5001
		07-14-70	BOD	0.8	Mg/L	5001	5006
		1505	Secchi Disk	0.9	Ft.	5001	5001
		08-13-70	BOD	1.2	Mg/L	5001	5006
		1745	Secchi Disk	0.9	Ft.	5001	5001
		09-11-70	BOD	0.9	Mg/L	5001	5006
		1700	Secchi Disk	1.2	Ft.	5001	5001
B9 D 800.7 138.4	DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	10-17-69	BOD	1.6	Mg/L	5001	5006
		1245	Secchi Disk	1.3	Ft.	5001	5001
		11-19-69	BOD	2.0	Mg/L	5001	5006
		1200	Secchi Disk	1.3	Ft.	5001	5001
		02-13-70	BOD	1.7	Mg/L	5001	5006
		1200	Secchi Disk	0.7	Ft.	5001	5001
		03-17-70	BOD	0.7	Mg/L	5001	5006
		1430	Secchi Disk	0.9	Ft.	5001	5001
		04-16-70	BOD	1.6	Mg/L	5001	5006
		1425	Secchi Disk	0.9	Ft.	5001	5001
		05-19-70	BOD	2.0	Mg/L	5001	5006
		1730	Secchi Disk	1.0	Ft.	5001	5001
		06-16-70	BOD	1.7	Mg/L	5001	5006
		1500	Secchi Disk	0.8	Ft.	5001	5001
		07-14-70	BOD	3.0	Mg/L	5001	5006
		1410	Secchi Disk	0.8	Ft.	5001	5001
		08-13-70	BOD	1.2	Mg/L	5001	5006
		1645	Secchi Disk	0.8	Ft.	5001	5001
		09-11-70	BOD	3.3	Mg/L	5001	5006
		1600	Secchi Disk	0.8	Ft.	5001	5001
B9 D 801.1 142.6	BIG BREAK NEAR OAKLEY	10-20-69	BOD	2.3	Mg/L	5001	5006
		1250	Secchi Disk	1.6	Ft.	5001	5001
		11-20-69	BOD	1.8	Mg/L	5001	5006
		1535	Secchi Disk	1.4	Ft.	5001	5001
		02-11-70	BOD	0.5	Mg/L	5001	5006
		1055	Secchi Disk	0.7	Ft.	5001	5001
		03-16-70	BOD	0.5	Mg/L	5001	5006
		1330	Secchi Disk	1.1	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron, Total	0.3	Mg/L	5001	5006
			Lead	0.02	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	0.1	Mg/L	5001	5006
		04-16-70	BOD	1.1	Mg/L	5001	5006
		1420	Secchi Disk	1.1	Ft.	5001	5001
		05-18-70	BOD	1.8	Mg/L	5001	5006
		1655	Secchi Disk	1.1	Ft.	5001	5001
		06-15-70	BOD	1.9	Mg/L	5001	5006
		1645	Secchi Disk	1.0	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	<0.1	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 801.1 142.6	BIG BREAK NEAR OAKLEY (Continued)	07-15-70 1655	BOD	1.9	Mg/L	5001	5006
			Secchi Disk	0.7	Ft.	5001	5001
		08-13-70 1630	BOD	1.3	Mg/L	5001	5006
			Secchi Disk	0.9	Ft.	5001	5001
		09-09-70 1505	BOD	3.1	Mg/L	5001	5006
			Secchi Disk	1.2	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	<0.1	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
B9 D 801.2 148.5	SAN JOAQUIN RIVER AT ANTIOCH (SHIP CHANNEL)	10-20-69 1145	BOD	3.1	Mg/L	5001	5006
			Secchi Disk	1.4	Ft.	5001	5001
		11-21-69 1240	BOD	2.0	Mg/L	5001	5006
			Secchi Disk	1.2	Ft.	5001	5001
		02-12-70 0920	BOD	0.4	Mg/L	5001	5006
			Secchi Disk	0.6	Ft.	5001	5001
		03-19-70 1530	BOD	0.9	Mg/L	5001	5006
			Secchi Disk	0.9	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron, Total	<0.1	Mg/L	5001	5006
			Lead	0.3	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		04-16-70 1350	BOD	1.3	Mg/L	5001	5006
			Secchi Disk	0.9	Ft.	5001	5001
		05-18-70 1625	BOD	1.1	Mg/L	5001	5006
			Secchi Disk	1.2	Ft.	5001	5001
		06-15-70 1605	BOD	2.0	Mg/L	5001	5006
			Secchi Disk	1.2	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	<0.1	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		07-15-70 1620	BOD	1.6	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001
		08-13-70 1555	BOD	1.6	Mg/L	5001	5006
			Secchi Disk	0.7	Ft.	5001	5001
		09-09-70 1420	BOD	1.6	Mg/L	5001	5006
			Secchi Disk	1.1	Ft.	5001	5001
			Cadmium	0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	0.1	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
B9 D 801.6 145.2	SAN JOAQUIN RIVER AT ANTIOCH BRIDGE (AT LIGHT 12)	10-20-69 1220	BOD	4.2	Mg/L	5001	5006
			Secchi Disk	1.4	Ft.	5001	5001
		11-21-69 1340	BOD	2.6	Mg/L	5001	5006
			Secchi Disk	1.5	Ft.	5001	5001
		02-11-70 1030	BOD	0.8	Mg/L	5001	5006
			Secchi Disk	0.7	Ft.	5001	5001
		03-16-70 1245	BOD	0.9	Mg/L	5001	5006
			Secchi Disk	1.2	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron, Total	0.2	Mg/L	5001	5006
			Lead	0.1	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		04-15-70 1215	BOD	1.3	Mg/L	5001	5006
			Secchi Disk	1.1	Ft.	5001	5001
		05-20-70 1840	BOD	1.3	Mg/L	5001	5006
			Secchi Disk	1.5	Ft.	5001	5001

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 801.6 145.2	SAN JOAQUIN RIVER AT ANTIOCH BRIDGE (AT LIGHT 12) (Continued)	06-17-70 1725	BOD	2.9	Mg/L	5001	5006
			Secchi Disk	1.1	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	<0.1	Mg/L	5001	5006
			Lead	0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		07-16-70 1745	BOD	1.7	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001
		08-14-70 1655	BOD	1.2	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001
		09-11-70 1600	BOD	1.0	Mg/L	5001	5006
			Secchi Disk	1.3	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	0.1	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
B9 D 801.9 151.4	NEW YORK SLOUGH NEAR PITTSBURG POINT	10-21-69 1655	BOD	1.6	Mg/L	5001	5006
			Secchi Disk	1.2	Ft.	5001	5001
		11-21-69 1210	BOD	1.3	Mg/L	5001	5006
			Secchi Disk	1.2	Ft.	5001	5001
		02-12-70 0900	BOD	0.7	Mg/L	5001	5006
			Secchi Disk	0.6	Ft.	5001	5001
		03-19-70 1510	BOD	0.6	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron, Total	<0.1	Mg/L	5001	5006
			Lead	0.05	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		04-15-70 1145	BOD	1.0	Mg/L	5001	5006
			Secchi Disk	0.9	Ft.	5001	5001
		05-20-70 1815	BOD	1.2	Mg/L	5001	5006
			Secchi Disk	1.0	Ft.	5001	5001
		06-17-70 1700	BOD	1.8	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron, Total	<0.1	Mg/L	5001	5006
			Lead	0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		07-16-70 1720	BOD	1.6	Mg/L	5001	5006
			Secchi Disk	0.9	Ft.	5001	5001
		08-14-70 1610	BOD	1.9	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001
		09-11-70 1530	BOD	1.0	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	0.2	Mg/L	5001	5006
			Lead	0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
B9 D 802.6 136.8	FRANKS TRACT NEAR RUSSOS LANDING	10-20-69 1615	BOD	1.0	Mg/L	5001	5006
			Secchi Disk	1.6	Ft.	5001	5001
		11-24-69 1645	BOD	1.4	Mg/L	5001	5006
			Secchi Disk	1.8	Ft.	5001	5001
		02-11-70 1300	BOD	0.6	Mg/L	5001	5006
			Secchi Disk	0.7	Ft.	5001	5001
		03-16-70 1500	BOD	0.9	Mg/L	5001	5006
			Secchi Disk	0.9	Ft.	5001	5001
		04-16-70 1515	BOD	1.0	Mg/L	5001	5006
			Secchi Disk	1.1	Ft.	5001	5001

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 802.6 136.8	FRANKS TRACT NEAR RUSSOS LANDING (Continued)	05-18-70 1750	BOD	0.5	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001
		06-15-70 1745	BOD	1.5	Mg/L	5001	5006
			Secchi Disk	1.0	Ft.	5001	5001
		07-15-70 1745	BOD	1.5	Mg/L	5001	5006
			Secchi Disk	0.7	Ft.	5001	5001
		08-13-70 1810	BOD	1.3	Mg/L	5001	5006
			Secchi Disk	1.0	Ft.	5001	5001
		09-09-70 1600	BOD	1.6	Mg/L	5001	5006
			Secchi Disk	1.2	Ft.	5001	5001
B9 D 802.6 147.6	SHERMAN LAKE NEAR ANTIOCH	10-20-69 1100	BOD	3.1	Mg/L	5001	5006
			Secchi Disk	1.2	Ft.	5001	5001
		11-21-69 1310	BOD	1.5	Mg/L	5001	5006
			Secchi Disk	1.4	Ft.	5001	5001
		02-12-70 0945	BOD	0.4	Mg/L	5001	5006
			Secchi Disk	0.7	Ft.	5001	5001
		03-20-70 1415	BOD	1.3	Mg/L	5001	5006
			Secchi Disk	0.9	Ft.	5001	5001
		04-17-70 1335	BOD	1.1	Mg/L	5001	5006
			Secchi Disk	0.6	Ft.	5001	5001
		05-19-70 1700	BOD	0.9	Mg/L	5001	5006
			Secchi Disk	1.0	Ft.	5001	5001
		06-16-70 1525	BOD	2.4	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001
		07-14-70 1415	BOD	1.4	Mg/L	5001	5006
			Secchi Disk	0.7	Ft.	5001	5001
		08-12-70 1400	BOD	1.7	Mg/L	5001	5006
			Secchi Disk	0.7	Ft.	5001	5001
		09-10-70 1425	BOD	1.3	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001
B9 D 802.7 123.3	DISAPPOINTMENT SLOUGH NEAR LODI	10-23-69 1415	BOD	3.8	Mg/L	5001	5006
			Secchi Disk	1.2	Ft.	5001	5001
		11-14-69 1215	BOD	4.5	Mg/L	5001	5006
			Secchi Disk	1.3	Ft.	5001	5001
		12-18-70 1050	BOD	2.4	Mg/L	5001	5006
			Secchi Disk	1.3	Ft.	5001	5001
		01-12-70 0845	BOD	1.9	Mg/L	5001	5006
			Secchi Disk	0.9	Ft.	5001	5001
		02-17-70 1100	BOD	5.2	Mg/L	5001	5006
			Secchi Disk	0.9	Ft.	5001	5001
		03-12-70 1005	BOD	3.2	Mg/L	5001	5006
			Secchi Disk	0.6	Ft.	5001	5001
		04-21-70 1300	BOD	5.1	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001
		05-12-70 1235	BOD	4.2	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001
		06-10-70 1215	BOD	3.2	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001
		07-08-70 1145	BOD	2.6	Mg/L	5001	5006
			Secchi Disk	0.7	Ft.	5001	5001
		08-11-70 1240	BOD	2.5	Mg/L	5001	5006
			Secchi Disk	0.7	Ft.	5001	5001
		09-17-70 1140	BOD	2.6	Mg/L	5001	5006
			Secchi Disk	0.9	Ft.	5001	5001
B9 D 803.1 141.3	SAN JOAQUIN RIVER AT JERSEY POINT	10-20-69 1325	BOD	2.6	Mg/L	5001	5006
			Secchi Disk	1.5	Ft.	5001	5001
		11-24-69 1430	BOD	1.5	Mg/L	5001	5006
			Secchi Disk	1.9	Ft.	5001	5001
		02-11-70 1120	BOD	0.4	Mg/L	5001	5006
			Secchi Disk	0.7	Ft.	5001	5001
		03-19-70 1615	BOD	0.8	Mg/L	5001	5006
			Secchi Disk	1.0	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	<0.1	Mg/L	5001	5006

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 803.1 141.3	SAN JOAQUIN RIVER AT JERSEY POINT (Continued)	03-19-70 1615	Lead	0.05	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		04-10-70 1430	BOD	0.8	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001
		04-16-70 1450	BOD	1.0	Mg/L	5001	5006
			Secchi Disk	1.2	Ft.	5001	5001
		04-24-70 1235	BOD	1.0	Mg/L	5001	5006
			Secchi Disk	1.0	Ft.	5001	5001
		05-01-70 1230	BOD	1.6	Mg/L	5001	5006
			Secchi Disk	1.0	Ft.	5001	5001
		05-06-70 1405	BOD	2.4	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001
		05-07-70 1320	BOD	1.6	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001
		05-14-70 1200	BOD	0.7	Mg/L	5001	5006
			Secchi Disk	1.4	Ft.	5001	5001
		05-18-70 1720	BOD	1.8	Mg/L	5001	5006
			Secchi Disk	1.5	Ft.	5001	5001
		05-21-70 1115	BOD	0.7	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001
		05-28-70 1230	BOD	1.4	Mg/L	5001	5006
			Secchi Disk	1.2	Ft.	5001	5001
		06-04-70 1248	BOD	0.8	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001
		06-10-70 1100	BOD	1.4	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001
		06-15-70 1715	BOD	1.5	Mg/L	5001	5006
			Secchi Disk	1.2	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	<0.1	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.01	Mg/L	5001	5006
		06-25-70 1340	BOD	1.0	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001
		07-02-70 1150	BOD	0.8	Mg/L	5001	5006
			Secchi Disk	0.7	Ft.	5001	5001
		07-07-70 0955	BOD	0.8	Mg/L	5001	5006
			Secchi Disk	0.7	Ft.	5001	5001
		07-15-70 1720	BOD	1.6	Mg/L	5001	5006
			Secchi Disk	0.9	Ft.	5001	5001
		07-23-70 1200	BOD	0.9	Mg/L	5001	5006
			Secchi Disk	1.0	Ft.	5001	5001
		07-30-70 1030	BOD	1.1	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001
		08-06-70 1400	BOD	0.2	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001
		08-13-70 1735	BOD	1.0	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001
		08-20-70 1300	BOD	0.7	Mg/L	5001	5006
			Secchi Disk	1.1	Ft.	5001	5001
		08-27-70 1230	Sec hi Disk	1.2	Ft.	5001	5001
		09-03-70 1400	BOD	0.8	Mg/L	5001	5006
			Secchi Disk	1.2	Ft.	5001	5001
		09-09-70 1530	BOD	1.3	Mg/L	5001	5006
			Secchi Disk	1.5	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	<0.1	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		09-17-70 1040	BOD	0.8	Mg/L	5001	5006
			Secchi Disk	1.0	Ft.	5001	5001
		09-24-70 1230	BOD	1.4	Mg/L	5001	5006
			Secchi Disk	1.5	Ft.	5001	5001

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 803.7 136.1	FALSE RIVER AT WEBB PUMP	10-20-69	BOD	1.0	Mg/L	5001	5006
		1545	Secchi Disk	1.9	Ft.	5001	5001
		11-24-69	BOD	1.5	Mg/L	5001	5006
		1615	Secchi Disk	1.7	Ft.	5001	5001
		02-11-70	BOD	0.8	Mg/L	5001	5006
		1245	Secchi Disk	0.7	Ft.	5001	5001
		03-16-70	BOD	0.7	Mg/L	5001	5006
		1415	Secchi Disk	1.1	Ft.	5001	5001
		04-16-70	BOD	1.1	Mg/L	5001	5006
		1535	Secchi Disk	1.0	Ft.	5001	5001
		05-18-70	BOD	1.3	Mg/L	5001	5006
		1810	Secchi Disk	1.0	Ft.	5001	5001
		06-15-70	BOD	1.7	Mg/L	5001	5006
		1810	Secchi Disk	0.8	Ft.	5001	5001
		07-15-70	BOD	1.5	Mg/L	5001	5006
		1805	Secchi Disk	0.8	Ft.	5001	5001
		08-13-70	BOD	1.4	Mg/L	5001	5006
		1830	Secchi Disk	1.1	Ft.	5001	5001
		09-09-70	BOD	1.6	Mg/L	5001	5006
		1620	Secchi Disk	1.4	Ft.	5001	5001
B9 D 804.4 134.2	OLD RIVER AT MOUTH	10-20-69	BOD	2.7	Mg/L	5001	5006
		1520	Secchi Disk	1.8	Ft.	5001	5001
		11-24-69	BOD	1.2	Mg/L	5001	5006
		1550	Secchi Disk	1.6	Ft.	5001	5001
		02-11-70	BOD	0.5	Mg/L	5001	5006
		1225	Secchi Disk	0.6	Ft.	5001	5001
		03-16-70	BOD	0.5	Mg/L	5001	5006
		1430	Secchi Disk	1.2	Ft.	5001	5001
		04-16-70	BOD	0.9	Mg/L	5001	5006
		1550	Secchi Disk	1.2	Ft.	5001	5001
		05-18-70	BOD	0.8	Mg/L	5001	5006
		1825	Secchi Disk	1.2	Ft.	5001	5001
		06-15-70	BOD	1.4	Mg/L	5001	5006
		1825	Secchi Disk	0.9	Ft.	5001	5001
		07-15-70	BOD	1.2	Mg/L	5001	5006
		1815	Secchi Disk	1.1	Ft.	5001	5001
		08-13-70	BOD	1.5	Mg/L	5001	5006
		1845	Secchi Disk	1.2	Ft.	5001	5001
		09-09-70	BOD	1.6	Mg/L	5001	5006
		1640	Secchi Disk	1.8	Ft.	5001	5001
B9 D 805.1 144.3	SACRAMENTO RIVER AT EMMATON	10-16-69	BOD	0.3	Mg/L	5001	5006
		1025	Secchi Disk	1.2	Ft.	5001	5001
		11-25-69	BOD	1.0	Mg/L	5001	5006
		1400	Secchi Disk	1.8	Ft.	5001	5001
		02-12-70	BOD	0.4	Mg/L	5001	5006
		1005	Secchi Disk	0.6	Ft.	5001	5001
		03-20-70	BOD	0.9	Mg/L	5001	5006
		1450	Secchi Disk	0.9	Ft.	5001	5001
		04-17-70	BOD	0.9	Mg/L	5001	5006
		1405	Secchi Disk	1.0	Ft.	5001	5001
		05-19-70	BOD	1.1	Mg/L	5001	5006
		1725	Secchi Disk	1.2	Ft.	5001	5001
		06-16-70	BOD	1.7	Mg/L	5001	5006
		1600	Secchi Disk	0.7	Ft.	5001	5001
		07-14-70	BOD	1.6	Mg/L	5001	5006
		1450	Secchi Disk	0.7	Ft.	5001	5001
		08-12-70	BOD	1.0	Mg/L	5001	5006
		1440	Secchi Disk	0.8	Ft.	5001	5001
		09-10-70	BOD	1.3	Mg/L	5001	5006
		1450	Secchi Disk	1.1	Ft.	5001	5001
B9 D 805.2 124.1	WHITE SLOUGH AT RIO BLANCO TRACT NEAR LODI	10-23-69	BOD	11.4	Mg/L	5001	5006
		1330	Secchi Disk	0.9	Ft.	5001	5001
		12-18-69	BOD	2.4	Mg/L	5001	5006
		1115	Secchi Disk	1.3	Ft.	5001	5001
		01-12-70	BOD	4.7	Mg/L	5001	5006
		0920	Secchi Disk	1.2	Ft.	5001	5001

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 805.2 124.1	WHITE SLOUGH AT RIO BLANCO TRACT NEAR LODI (Continued)	04-21-70	BOD	>8.6	Mg/L	5001	5006
		1220	Secchi Disk	1.0	Ft.	5001	5001
		05-12-70	BOD	>7.0	Mg/L	5001	5006
		1150	Secchi Disk	1.0	Ft.	5001	5001
		06-10-70	BOD	5.2	Mg/L	5001	5006
		1130	Secchi Disk	0.7	Ft.	5001	5001
		07-08-70	BOD	6.4	Mg/L	5001	5006
		1055	Secchi Disk	0.6	Ft.	5001	5001
		08-11-70	BOD	3.5	Mg/L	5001	5006
		1210	Secchi Disk	0.9	Ft.	5001	5001
		09-17-70	BOD	3.5	Mg/L	5001	5006
		1105	Secchi Disk	1.2	Ft.	5001	5001
B9 D 805.2 126.0	WHITE SLOUGH NEAR LODI	10-23-69	BOD	1.5	Mg/L	5001	5006
		1215	Secchi Disk	1.4	Ft.	5001	5001
		11-14-69	BOD	1.3	Mg/L	5001	5006
		1105	Secchi Disk	1.6	Ft.	5001	5001
		12-18-69	BOD	1.3	Mg/L	5001	5006
		1145	Secchi Disk	1.8	Ft.	5001	5001
		01-12-70	BOD	1.1	Mg/L	5001	5006
		1010	Secchi Disk	1.3	Ft.	5001	5001
		02-17-70	BOD	1.2	Mg/L	5001	5006
		1015	Secchi Disk	1.0	Ft.	5001	5001
		03-12-70	BOD	1.5	Mg/L	5001	5006
		0920	Secchi Disk	1.1	Ft.	5001	5001
		04-21-70	BOD	1.5	Mg/L	5001	5006
		1135	Secchi Disk	0.8	Ft.	5001	5001
		05-12-70	BOD	1.0	Mg/L	5001	5006
		1100	Secchi Disk	1.0	Ft.	5001	5001
		06-10-70	BOD	1.1	Mg/L	5001	5006
		1045	Secchi Disk	1.0	Ft.	5001	5001
		07-08-70	BOD	1.7	Mg/L	5001	5006
		1000	Secchi Disk	1.1	Ft.	5001	5001
		08-11-70	BOD	0.2	Mg/L	5001	5006
		1130	Secchi Disk	1.3	Ft.	5001	5001
		09-17-70	BOD	1.1	Mg/L	5001	5006
		1025	Secchi Disk	1.1	Ft.	5001	5001
B9 D 805.8 140.1	SAN JOAQUIN RIVER AT TWITCHELL ISLAND	10-20-69	BOD	2.8	Mg/L	5001	5006
		1425	Secchi Disk	1.8	Ft.	5001	5001
		11-24-69	BOD	1.4	Mg/L	5001	5006
		1500	Secchi Disk	1.6	Ft.	5001	5001
		02-11-70	BOD	0.4	Mg/L	5001	5006
		1150	Secchi Disk	0.6	Ft.	5001	5001
		03-19-70	BOD	0.8	Mg/L	5001	5006
		1640	Secchi Disk	0.9	Ft.	5001	5001
		04-17-70	BOD	1.0	Mg/L	5001	5006
		1545	Secchi Disk	1.2	Ft.	5001	5001
		05-19-70	BOD	0.7	Mg/L	5001	5006
		1930	Secchi Disk	1.5	Ft.	5001	5001
		06-16-70	BOD	1.8	Mg/L	5001	5006
		1810	Secchi Disk	0.8	Ft.	5001	5001
		07-14-70	BOD	1.5	Mg/L	5001	5006
		1712	Secchi Disk	0.8	Ft.	5001	5001
		08-12-70	BOD	1.0	Mg/L	5001	5006
		1630	Secchi Disk	1.0	Ft.	5001	5001
		09-10-70	BOD	1.4	Mg/L	5001	5006
		1630	Secchi Disk	1.5	Ft.	5001	5001
B9 D 806.4 142.0	THREE MILE SLOUGH AT SACRAMENTO RIVER	10-16-69	BOD	1.9	Mg/L	5001	5006
		1110	Secchi Disk	1.8	Ft.	5001	5001
		11-25-69	BOD	1.1	Mg/L	5001	5006
		1445	Secchi Disk	1.8	Ft.	5001	5001
		02-12-70	BOD	0.3	Mg/L	5001	5006
		1025	Secchi Disk	0.6	Ft.	5001	5001
		03-20-70	BOD	1.1	Mg/L	5001	5006
		1510	Secchi Disk	0.9	Ft.	5001	5001
		04-17-70	BOD	0.9	Mg/L	5001	5006
		1420	Secchi Disk	1.2	Ft.	5001	5001

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 806.4 142.0	THREE MILE SLOUGH AT SACRAMENTO RIVER (Continued)	05-19-70 1750	BOD	0.9	Mg/L	5001	5006
			Secchi Disk	1.2	Ft.	5001	5001
		06-16-70 1620	BOD	2.0	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001
		07-14-70 1525	BOD	1.4	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001
		08-12-70 1500	BOD	1.5	Mg/L	5001	5006
			Secchi Disk	1.0	Ft.	5001	5001
		09-10-70 1510	BOD	1.4	Mg/L	5001	5006
			Secchi Disk	1.4	Ft.	5001	5001
B9 D 808.8 125.8	SYCAMORE SLOUGH AT DRAIN NEAR LODI	10-23-69 1120	BOD	>31.0	Mg/L	5001	5006
			Secchi Disk	0.7	Ft.	5001	5001
		11-14-69 1030	BOD	17.0	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001
		12-18-69 1230	BOD	2.1	Mg/L	5001	5006
			Secchi Disk	1.5	Ft.	5001	5001
		01-12-70 1040	BOD	20.0	Mg/L	5001	5006
			Secchi Disk	0.7	Ft.	5001	5001
		02-17-70 0940	BOD	48.0	Mg/L	5001	5006
			Secchi Disk	0.4	Ft.	5001	5001
		03-12-70 0845	BOD	24.0	Mg/L	5001	5006
			Secchi Disk	0.6	Ft.	5001	5001
		04-21-70 1050	BOD	>8.0	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001
		05-12-70 1030	BOD	6.0	Mg/L	5001	5006
			Secchi Disk	1.4	Ft.	5001	5006
		06-10-70 1020	BOD	4.8	Mg/L	5001	5006
			Secchi Disk	1.0	Ft.	5001	5001
		07-08-70 0915	BOD	3.8	Mg/L	5001	5006
			Secchi Disk	1.1	Ft.	5001	5001
		08-11-70 1050	BOD	6.4	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001
		09-17-70 0930	BOD	6.8	Mg/L	5001	5006
			Secchi Disk	1.1	Ft.	5001	5001
B9 D 809.6 141.1	SACRAMENTO RIVER AT RIO VISTA BRIDGE	10-17-69 1055	BOD	1.1	Mg/L	5001	5006
			Secchi Disk	2.5	Ft.	5001	5001
		10-21-69 1855	BOD	1.3	Mg/L	5001	5006
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	0.2	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		11-25-69 1530	BOD	0.8	Mg/L	5001	5006
			Secchi Disk	2.0	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	<0.1	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		02-12-70 1145	BOD	0.4	Mg/L	5001	5006
			Secchi Disk	0.7	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	0.4	Mg/L	5001	5006
			Lead	0.03	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		03-20-70 1535	BOD	1.1	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron, Total	0.2	Mg/L	5001	5006
			Lead	0.02	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 809.6 141.1	SACRAMENTO RIVER AT RIO VISTA BRIDGE (Continued)	04-16-70 1420	BOD	1.4	Mg/L	5001	5006
		04-17-70 1445	Secchi Disk	1.2	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	<0.1	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		05-18-70 1700	BOD	1.1	Mg/L	5001	5006
			Secchi Disk	1.3	Ft.	5001	5001
		05-19-70 1815	BOD	0.8	Mg/L	5001	5006
			Secchi Disk	1.3	Ft.	5001	5001
		06-15-70 1505	BOD	2.1	Mg/L	5001	5006
			Secchi Disk	1.2	Ft.	5001	5001
		06-16-70 1645	BOD	1.9	Mg/L	5001	5006
			Secchi Disk	0.8	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	<0.1	Mg/L	5001	5006
			Lead	0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		07-14-70 1555	BOD	1.2	Mg/L	5001	5006
			Secchi Disk	1.4	Ft.	5001	5001
		07-15-70 1630	BOD	1.7	Mg/L	5001	5006
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	<0.1	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		08-12-70 1520	BOD	1.5	Mg/L	5001	5006
			Secchi Disk	1.7	Ft.	5001	5001
			Cadmium	0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron, Total	<0.1	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		08-13-70 1500	BOD	2.1	Mg/L	5001	5006
			Secchi Disk	1.3	Ft.	5001	5001
		09-09-70 1400	BOD	1.4	Mg/L	5001	5006
			Secchi Disk	2.4	Ft.	5001	5001
		09-10-70 1530	BOD	1.2	Mg/L	5001	5006
			Secchi Disk	1.3	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	<0.1	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
B9 D 810.1 127.9	HOG SLOUGH NEAR THORNTON	10-24-69 1230	BOD	4.1	Mg/L	5001	5006
			Secchi Disk	1.6	Ft.	5001	5001
		11-14-69 1020	BOD	2.0	Mg/L	5001	5006
			Secchi Disk	1.7	Ft.	5001	5001
		12-18-69 1250	BOD	2.1	Mg/L	5001	5006
			Secchi Disk	1.8	Ft.	5001	5001
		01-12-70 1125	BOD	1.9	Mg/L	5001	5006
			Secchi Disk	1.3	Ft.	5001	5001
		02-18-70 0955	BOD	5.6	Mg/L	5001	5006
			Secchi Disk	1.5	Ft.	5001	5001
		03-13-70 0910	BOD	3.4	Mg/L	5001	5006
			Secchi Disk	2.0	Ft.	5001	5001
		04-23-70 1155	BOD	2.9	Mg/L	5001	5006
			Secchi Disk	1.3	Ft.	5001	5001
		05-13-70 1200	BOD	4.4	Mg/L	5001	5006
			Secchi Disk	1.8	Ft.	5001	5001

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 810.1 127.9	HOG SLOUGH NEAR THORNTON (Continued)	06-11-70	BOD	1.8	Mg/L	5001	5006
		1120	Secchi Disk	1.0	Ft.	5001	5001
		07-10-70	BOD	1.9	Mg/L	5001	5006
		1020	Secchi Disk	0.9	Ft.	5001	5001
		08-12-70	BOD	2.1	Mg/L	5001	5006
		1140	Secchi Disk	1.2	Ft.	5001	5001
		09-18-70	BOD	3.2	Mg/L	5001	5006
		1010	Secchi Disk	1.3	Ft.	5001	5001
B9 D 811.0 139.3	STEAMBOAT SLOUGH ABOVE CACHE SLOUGH	10-16-69	BOD	1.4	Mg/L	5001	5006
		1245	Secchi Disk	4.0	Ft.	5001	5001
		11-25-69	BOD	0.8	Mg/L	5001	5006
		1630	Secchi Disk	2.3	Ft.	5001	5001
		02-13-70	BOD	1.1	Mg/L	5001	5006
		1050	Secchi Disk	0.5	Ft.	5001	5001
		03-20-70	BOD	1.1	Mg/L	5001	5006
		1605	Secchi Disk	0.9	Ft.	5001	5001
		04-17-70	BOD	1.1	Mg/L	5001	5006
		1500	Secchi Disk	1.2	Ft.	5001	5001
		05-19-70	BOD	1.2	Mg/L	5001	5006
		1835	Secchi Disk	1.5	Ft.	5001	5001
		06-16-70	BOD	0.5	Mg/L	5001	5006
		1710	Secchi Disk	1.1	Ft.	5001	5001
		07-14-70	BOD	2.1	Mg/L	5001	5006
		1620	Secchi Disk	1.2	Ft.	5001	5001
		08-12-70	BOD	1.5	Mg/L	5001	5006
		1545	Secchi Disk	1.8	Ft.	5001	5001
		09-10-70	BOD	1.5	Mg/L	5001	5006
		1545	Secchi Disk	2.7	Ft.	5001	5001
B9 D 812.3 126.8	BEAVER SLOUGH NEAR THORNTON	10-24-69	BOD	5.0	Mg/L	5001	5006
		1320	Secchi Disk	1.8	Ft.	5001	5001
		11-14-69	BOD	3.9	Mg/L	5001	5006
		1100	Secchi Disk	2.0	Ft.	5001	5001
		12-18-69	BOD	2.7	Mg/L	5001	5006
		1325	Secchi Disk	1.8	Ft.	5001	5001
		01-12-70	BOD	3.4	Mg/L	5001	5006
		1240	Secchi Disk	1.2	Ft.	5001	5001
		02-18-70	BOD	3.6	Mg/L	5001	5006
		1030	Secchi Disk	1.1	Ft.	5001	5001
		03-13-70	BOD	4.4	Mg/L	5001	5006
		0940	Secchi Disk	2.1	Ft.	5001	5001
		04-23-70	BOD	3.0	Mg/L	5001	5006
		1240	Secchi Disk	1.0	Ft.	5001	5001
		05-13-70	BOD	4.4	Mg/L	5001	5006
		1240	Secchi Disk	1.8	Ft.	5001	5001
		06-11-70	BOD	2.1	Mg/L	5001	5006
		1200	Secchi Disk	0.8	Ft.	5001	5001
		07-10-70	BOD	3.0	Mg/L	5001	5006
		1100	Secchi Disk	0.8	Ft.	5001	5001
		08-12-70	BOD	2.0	Mg/L	5001	5006
		1210	Secchi Disk	1.7	Ft.	5001	5001
		09-18-70	BOD	3.8	Mg/L	5001	5006
		1055	Secchi Disk	1.3	Ft.	5001	5001
B9 D 815.3 126.3	MOKELUMNE RIVER NEAR THORNTON	10-24-69	BOD	0.4	Mg/L	5001	5006
		1350	Secchi Disk	5.2	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	0.3	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		11-14-69	BOD	0.7	Mg/L	5001	5006
		1140	Secchi Disk	7.0	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	<0.1	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 815.3 126.3	MOKELUMNE RIVER NEAR THORNTON (Continued)	12-18-69 1350	BOD	0.5	Mg/L	5001	5006
			Secchi Disk	3.0	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	0.2	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		01-12-70 1310	BOD	1.0	Mg/L	5001	5006
			Secchi Disk	1.0	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	<0.1	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		02-18-70 1100	BOD	1.2	Mg/L	5001	5006
			Secchi Disk	1.7	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	0.1	Mg/L	5001	5006
			Lead	0.04	Mg/L	5001	5006
			Manganese	0.01	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		03-15-70 1015	BOD	1.5	Mg/L	5001	5006
			Secchi Disk	3.0	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron, Total	<0.1	Mg/L	5001	5006
			Lead	0.03	Mg/L	5001	5006
			Manganese	0.1	Mg/L	5001	5006
			Zinc	<0.01	Mg/L	5001	5006
		04-23-70 1320	BOD	0.9	Mg/L	5001	5006
			Secchi Disk	2.0	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	<0.1	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		05-13-70 1305	BOD	0.8	Mg/L	5001	5006
			Secchi Disk	2.4	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	0.1	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		06-11-70 1235	BOD	0.8	Mg/L	5001	5006
			Secchi Disk	1.3	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron, Total	0.1	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		07-10-70 1130	BOD	0.8	Mg/L	5001	5006
			Secchi Disk	2.5	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	<0.1	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		08-12-70 1230	BOD	0.8	Mg/L	5001	5006
			Secchi Disk	3.3	Ft.	5001	5001
			Cadmium	0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron, Total	<0.1	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 815.3 126.3	MOKELUMNE RIVER NEAR THORNTON (Continued)	09-18-70 1125	BOD	1.2	Mg/L	5001	5006
			Secchi Disk	5.0	Ft.	5001	5001
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.01	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	0.1	Mg/L	5001	5006
			Lead	<0.01	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.01	Mg/L	5001	5006
B9 D 816.6 129.8	SNODGRASS SLOUGH AT TWIN CITIES ROAD NEAR HOOD	10-24-69 1420	BOD	1.0	Mg/L	5001	5006
			Secchi Disk	1.6	Ft.	5001	5001
		11-14-69 1250	BOD	1.6	Mg/L	5001	5006
			Secchi Disk	2.0	Ft.	5001	5001
		12-18-69 1410	BOD	1.0	Mg/L	5001	5006
			Secchi Disk	1.4	Ft.	5001	5001
		01-12-70 1350	BOD	1.0	Mg/L	5001	5006
			Secchi Disk	1.3	Ft.	5001	5001
		02-18-70 1220	BOD	1.7	Mg/L	5001	5006
			Secchi Disk	1.1	Ft.	5001	5001
		03-13-70 1050	BOD	2.0	Mg/L	5001	5006
			Secchi Disk	1.2	Ft.	5001	5001
		04-23-70 1405	BOD	2.7	Mg/L	5001	5006
			Secchi Disk	1.2	Ft.	5001	5001
		05-13-70 1355	BOD	2.3	Mg/L	5001	5006
			Secchi Disk	1.2	Ft.	5001	5001
		06-11-70 1315	BOD	0.9	Mg/L	5001	5006
			Secchi Disk	1.2	Ft.	5001	5001
		07-10-70 1225	BOD	0.8	Mg/L	5001	5006
			Secchi Disk	1.1	Ft.	5001	5001
		08-12-70 1305	BOD	1.9	Mg/L	5001	5006
			Secchi Disk	1.3	Ft.	5001	5001
		09-18-70 1200	BOD	1.6	Mg/L	5001	5006
			Secchi Disk	1.1	Ft.	5001	5001
B9 D 819.1 130.1	SNODGRASS SLOUGH AT SOUTHERN PACIFIC RAILROAD BRIDGE	10-24-69 1515	BOD	1.5	Mg/L	5001	5006
			Secchi Disk	2.0	Ft.	5001	5001
		11-14-69 1340	BOD	1.3	Mg/L	5001	5006
			Secchi Disk	2.8	Ft.	5001	5001
		12-18-69 1435	BOD	1.1	Mg/L	5001	5006
			Secchi Disk	1.2	Ft.	5001	5001
		01-12-70 1425	BOD	2.8	Mg/L	5001	5006
			Secchi Disk	2.0	Ft.	5001	5001
		02-18-70 1305	BOD	3.4	Mg/L	5001	5006
			Secchi Disk	1.2	Ft.	5001	5001
		03-13-70 1130	BOD	4.1	Mg/L	5001	5006
			Secchi Disk	1.9	Ft.	5001	5001
		04-23-70 1450	BOD	3.9	Mg/L	5001	5006
			Secchi Disk	1.2	Ft.	5001	5001
		05-13-70 1430	BOD	1.8	Mg/L	5001	5006
			Secchi Disk	1.2	Ft.	5001	5001
		06-11-70 1400	BOD	1.2	Mg/L	5001	5006
			Secchi Disk	1.0	Ft.	5001	5001
		07-10-70 1315	BOD	1.2	Mg/L	5001	5006
			Secchi Disk	1.0	Ft.	5001	5001
		08-12-70 1335	BOD	2.0	Mg/L	5001	5006
			Secchi Disk	1.3	Ft.	5001	5001
		09-18-70 1240	BOD	1.6	Mg/L	5001	5006
			Secchi Disk	1.7	Ft.	5001	5001
B9 D 820.7 132.7	SACRAMENTO RIVER AT GREENE'S LANDING	10-17-69 0920	BOD	2.0	Mg/L	5001	5006
			Secchi Disk	3.0	Ft.	5001	5001
		11-19-69 1500	BOD	3.1	Mg/L	5001	5006
			Secchi Disk	2.7	Ft.	5001	5001
		02-13-70 0915	BOD	2.0	Mg/L	5001	5006
			Secchi Disk	0.5	Ft.	5001	5001
		03-17-70 1620	BOD	0.9	Mg/L	5001	5006
			Secchi Disk	0.9	Ft.	5001	5001
		04-16-70 1555	BOD	1.7	Mg/L	5001	5006
			Secchi Disk	2.3	Ft.	5001	5001

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 820.7 132.1	SACRAMENTO RIVER AT GREENE'S LANDING (Continued)	05-18-70 1430	BOD	1.0	Mg/L	5001	5006
			Secchi Disk	1.4	Ft.	5001	5001
		06-15-70 1345	BOD	2.3	Mg/L	5001	5006
			Secchi Disk	1.3	Ft.	5001	5001
		07-15-70 1300	BOD	2.2	Mg/L	5001	5006
			Secchi Disk	2.0	Ft.	5001	5001
		08-12-70 1400	BOD	1.8	Mg/L	5001	5006
			Secchi Disk	2.1	Ft.	5001	5001
		09-09-70 1230	BOD	1.8	Mg/L	5001	5006
			Secchi Disk	2.1	Ft.	5001	5001
B9 D 827.3 130.0	SACRAMENTO RIVER AT FREEPORT	10-02-69 1330	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.00	Mg/L	5050	5050
			Iron	0.04	Mg/L	5050	5050
			Iron, Dissolved	0.04	Mg/L	5050	5000
			Lead	0.00	Mg/L	5050	5050
			Lithium	<0.01	Mg/L	5050	5000
			Manganese	0.00	Mg/L	5050	5050
			Phenols	0.000	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Strontium	0.08	Mg/L	5050	5000
			Zinc	0.01	Mg/L	5050	5050
		11-05-69 1300	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.00	Mg/L	5050	5050
			Iron	0.00	Mg/L	5050	5050
			Iron, Dissolved	0.07	Mg/L	5050	5000
			Lead	0.00	Mg/L	5050	5050
			Lithium	<0.01	Mg/L	5050	5000
			Manganese	0.01	Mg/L	5050	5050
			Phenols	0.001	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Strontium	0.07	Mg/L	5050	5000
			Zinc	0.00	Mg/L	5050	5050
		12-03-69 1255	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.02	Mg/L	5050	5050
			Iron	0.05	Mg/L	5050	5050
			Iron, Dissolved	0.01	Mg/L	5050	5000
			Lead	0.00	Mg/L	5050	5050
			Lithium	<0.02	Mg/L	5050	5000
			Manganese	0.00	Mg/L	5050	5050
			Phenols	0.000	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Strontium	0.70	Mg/L	5050	5000
			Zinc	0.00	Mg/L	5050	5050
		01-07-70 1200	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.01	Mg/L	5050	5050
			Iron	0.22	Mg/L	5050	5050
			Iron, Dissolved	0.06	Mg/L	5050	5000
			Lead	0.00	Mg/L	5050	5050
			Lithium	<0.02	Mg/L	5050	5000
			Manganese	0.00	Mg/L	5050	5050
			Phenols	0.000	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Strontium	0.07	Mg/L	5050	5000
			Zinc	0.01	Mg/L	5050	5050
		02-04-70 1245	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.01	Mg/L	5050	5050
			Iron	0.86	Mg/L	5050	5050
			Iron, Dissolved	0.04	Mg/L	5050	5000
			Lead	0.00	Mg/L	5050	5050
			Lithium	<0.01	Mg/L	5050	5000
			Manganese	0.02	Mg/L	5050	5050
			Phenols	0.004	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Strontium	0.06	Mg/L	5050	5000
			Zinc	0.02	Mg/L	5050	5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 827.3 130.0	SACRAMENTO RIVER AT FREEPORT (Continued)	03-04-70 1130	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.01	Mg/L	5050	5050
			Iron	0.10	Mg/L	5050	5050
			Iron, Dissolved	0.07	Mg/L	5050	5000
			Lead	0.00	Mg/L	5050	5050
			Lithium	<0.01	Mg/L	5050	5000
			Manganese	0.00	Mg/L	5050	5050
			Phenols	0.000	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Strontium	0.06	Mg/L	5050	5000
			Zinc	0.01	Mg/L	5050	5050
		04-08-70 1300	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.00	Mg/L	5050	5050
			Iron	0.00	Mg/L	5050	5050
			Iron, Dissolved	0.07	Mg/L	5050	5000
			Lead	0.00	Mg/L	5050	5050
			Lithium	<0.01	Mg/L	5050	5000
			Manganese	0.00	Mg/L	5050	5050
			Phenols	0.001	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Strontium	0.10	Mg/L	5050	5000
			Zinc	0.01	Mg/L	5050	5050
		05-06-70 1230	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.02	Mg/L	5050	5050
			Iron	0.03	Mg/L	5050	5050
			Iron, Dissolved	0.04	Mg/L	5050	5000
			Lead	0.00	Mg/L	5050	5050
			Lithium	<0.01	Mg/L	5050	5000
			Manganese	0.00	Mg/L	5050	5050
			Phenols	0.000	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Strontium	0.03	Mg/L	5050	5000
			Zinc	0.00	Mg/L	5050	5050
		06-03-70 1235	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.03	Mg/L	5050	5050
			Iron	0.02	Mg/L	5050	5050
			Iron, Dissolved	0.02	Mg/L	5050	5000
			Lead	0.00	Mg/L	5050	5050
			Lithium	<0.01	Mg/L	5050	5000
			Manganese	0.01	Mg/L	5050	5050
			Phenols	0.003	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Strontium	0.10	Mg/L	5050	5000
			Zinc	0.02	Mg/L	5050	5050
		07-07-70 1815	Arsenic	0.00	Mg/L	5050	5050
			Copper	0.02	Mg/L	5050	5050
			Iron	0.01	Mg/L	5050	5050
			Iron, Dissolved	0.00	Mg/L	5050	5000
			Lead	0.00	Mg/L	5050	5050
			Lithium	<0.01	Mg/L	5050	5000
			Manganese	0.00	Mg/L	5050	5050
			Phenols	0.001	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Strontium	0.04	Mg/L	5050	5000
			Zinc	0.01	Mg/L	5050	5050
		08-05-70 1025	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.02	Mg/L	5050	5050
			Iron	0.00	Mg/L	5050	5050
			Iron, Dissolved	0.01	Mg/L	5050	5000
			Lead	0.00	Mg/L	5050	5050
			Lithium	<0.01	Mg/L	5050	5000
			Manganese	0.00	Mg/L	5050	5050
			Phenols	0.001	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Strontium	0.10	Mg/L	5050	5000
			Zinc	0.00	Mg/L	5050	5050
		09-02-70 1100	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.00	Mg/L	5050	5050
			Iron	0.00	Mg/L	5050	5050
			Iron, Dissolved	0.01	Mg/L	5050	5000
			Lead	0.00	Mg/L	5050	5050
			Lithium	<0.01	Mg/L	5050	5000
			Manganese	0.00	Mg/L	5050	5050
			Phenols	0.001	Mg/L	5050	5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 827.3 130.0	SACRAMENTO RIVER AT FREEPORT (Continued)	09-02-70 1100	Selenium	0.00	Mg/L	5050	5050
			Strontium	0.10	Mg/L	5050	5000
			Zinc	0.00	Mg/L	5050	5050
G7 3253.01	INCLINE CREEK AT INCLINE VILLAGE	10-07-69 1145	MBAS	0.01	Mg/L	5050	5060
		11-19-69 1100	MBAS	<0.01	Mg/L	5050	5060
		03-10-70 1300	MBAS	0.04	Mg/L	5050	5060
		05-13-70 1250	MBAS	0.02	Mg/L	5050	5060
		08-26-70 1245	MBAS	0.01	Mg/L	5050	5050
G7 3300.01	GENERAL CREEK NEAR MEEKS BAY	10-07-69 1300	MBAS	0.01	Mg/L	5050	5060
		11-19-69 0855	MBAS	0.01	Mg/L	5050	5060
		03-10-70 1200	MBAS	<0.01	Mg/L	5050	5060
		05-13-70 1030	MBAS	0.02	Mg/L	5050	5060
		08-26-70 1040	MBAS	0.01	Mg/L	5050	5050
G7 3571.01	TAYLOR CREEK NEAR CAMP RICHARDSON	10-07-69 0915	MBAS	<0.01	Mg/L	5050	5060
		11-19-69 0930	MBAS	0.01	Mg/L	5050	5060
		03-10-70 1030	MBAS	<0.01	Mg/L	5050	5060
		05-13-70 0945	MBAS	0.01	Mg/L	5050	5060
		08-26-70 0930	MBAS	0.01	Mg/L	5050	5050
G7 3705.01	UPPER TRUCKEE RIVER NEAR MOUTH	10-07-69 0800	MBAS	0.01	Mg/	5050	5060
		11-19-69 1000	MBAS	0.01	Mg/L	5050	5060
		03-10-70 0935	MBAS	<0.01	Mg/L	5050	5060
		05-13-70 0915	MBAS	0.01	Mg/L	5050	5060
		08-26-70 0845	MBAS	0.01	Mg/L	5050	5050
G7 L 856.6 000.6	LAKE TAHOE NEAR TAHOE KEYS	10-07-69 0905	MBAS	0.01	Mg/L	5050	5060
		11-19-69 1315	MBAS	0.01	Mg/L	5050	5060
		03-10-70 1230	MBAS	<0.01	Mg/L	5050	5060
		05-13-70 1005	MBAS	<0.01	Mg/L	5050	5060
		08-26-70 1135	MBAS	0.00	Mg/L	5050	5050
G7 L 856.6 003.4	LAKE TAHOE NEAR TAYLOR CREEK	10-07-69 0930	MBAS	0.01	Mg/L	5050	5060
		11-19-69 1345	MBAS	0.01	Mg/L	5050	5060
		03-10-70 1300	MBAS	<0.01	Mg/L	5050	5060
		05-13-70 1020	MBAS	0.02	Mg/L	5050	5060
		08-26-70 1158	MBAS	0.00	Mg/L	5050	5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
G7 L 900.0 000.0	LAKE TAHOE, SOUTH CENTER	10-06-69 1310	Secchi Disk	75.8	Ft.	5050	5050
		10-07-69 0850	MBAS	0.01	Mg/L	5050	5060
		11-18-69 1400	Secchi Disk	82.0	Ft.	5050	5050
		11-19-69 1255	MBAS	0.01	Mg/L	5050	5060
		03-10-70 1145	MBAS	<0.01	Mg/L	5050	5060
		03-12 70 1130	Secchi Disk	85.3	Ft.	5050	5050
		05-13-70 0900	MBAS	<0.01	Mg/L	5050	5060
		05-15-70 1040	Secchi Disk	83.7	Ft.	5050	5050
		08-26-70 1100	MBAS	0.00	Mg/L	5050	5050
G7 L 900.5 957.0	LAKE TAHOE AT ZEPHYR COVE	10-07-69 0845	MBAS	0.01	Mg/L	5050	5060
		11-19-69 1245	MBAS	0.01	Mg/L	5050	5060
		03-10-70 1120	MBAS	<0.01	Mg/L	5050	5060
		05-13-70 0845	MBAS	0.02	Mg/L	5050	5060
		08-26-70 1040	MBAS	0.00	Mg/L	5050	5050
G7 L 900.8 006.6	LAKE TAHOE AT RUBICON BAY	10-07-69 0945	MBAS	0.02	Mg/L	5050	5060
		11-19-69 1400	MBAS	<0.01	Mg/L	5050	5060
		03-10-70 1330	MBAS	<0.01	Mg/L	5050	5060
		05-13-70 1050	MBAS	0.01	Mg/L	5050	5060
		08-26-70 1231	MBAS	0.00	Mg/L	5050	5050
G7 L 904.5 008.3	LAKE TAHOE AT CHAMBERS LODGE	10-07-69 1000	MBAS	0.01	Mg/L	5050	5060
		11-19-69 1430	MBAS	0.01	Mg/L	5050	5060
		03-10-70 1555	MBAS	<0.01	Mg/L	5050	5060
		05-13-70 1110	MBAS	<0.01	Mg/L	5050	5060
		08-26-70 1300	MBAS	0.00	Mg/L	5050	5050
G7 L 905.4 956.4	LAKE TAHOE AT GLENBROOK	10-07-69 0815	MBAS	0.01	Mg/L	5050	5060
		11-19-69 1215	MBAS	0.01	Mg/L	5050	5060
		03-10-70 1045	MBAS	<0.01	Mg/L	5050	5060
		05-13-70 0825	MBAS	0.01	Mg/L	5050	5060
		08-26-70 1005	MBAS	0.00	Mg/L	5050	5050
G7 L 908.7 000.3	LAKE TAHOE, NORTH CENTER	10-06-69 1000	Secchi Disk	82.7	Ft.	5050	5050
		10-07-69 0800	MBAS	0.01	Mg/L	5050	5060
		11-18-69 1030	Secchi Disk	96.1	Ft.	5050	5050
		11-19-69 1030	MBAS	0.01	Mg/L	5050	5060

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
G7 L 908.7 000.3	LAKE TAHOE, NORTH CENTER (Continued)	03-09-70 1115	Secchi Disk	65.6	Ft.	5050	5050
		03-10-70 --	MBAS	<0.01	Mg/L	5050	5060
		03-12-70 1015	Secchi Disk	82.0	Ft.	5050	5050
		05-12-70 0840	Secchi Disk	73.8	Ft.	5050	5050
		05-13-70 0805	MBAS	<0.01	Mg/L	5050	5060
		08-26-70 0935	MBAS	0.00	Mg/L	5050	5050
		08-27-70 1130	Secchi Disk	82.0	Ft.	5050	5050
G7 L 910.8 007.1	LAKE TAHOE NEAR LAKE FOREST	10-07-69 0700	MBAS	0.02	Mg/L	5050	5060
		11-19-69 0910	MBAS	0.01	Mg/L	5050	5060
		03-10-70 0910	MBAS	<0.01	Mg/L	5050	5060
		05-13-70 0700	MBAS	0.01	Mg/L	5050	5060
		08-26-70 1338	MBAS	0.00	Mg/L	5050	5050
G7 L 914.2 002.2	LAKE TAHOE AT TAHOE VISTA	10-07-69 0715	MBAS	0.01	Mg/L	5050	5060
		11-19-69 0940	MBAS	<0.01	Mg/L	5050	5060
		03-10-70 0940	MBAS	<0.01	Mg/L	5050	5060
		05-13-70 0720	MBAS	0.01	Mg/L	5050	5060
		08-26-70 0815	MBAS	0.00	Mg/L	5050	5050
G7 L 914.2 956.8	LAKE TAHOE AT INCLINE GUARD STATION	10-07-69 0745	MBAS	<0.01	Mg/L	5050	5060
		11-19-69 0955	MBAS	0.01	Mg/L	5050	5060
		03-10-70 1000	MBAS	<0.01	Mg/L	5050	5060
		05-13-70 0740	MBAS	<0.01	Mg/L	5050	5060
		08-26-70 0854	MBAS	0.00	Mg/L	5050	5050

TABLE D-4

MAXIMUM OBSERVED SALINITY AT BAY AND DELTA STATIONS FOR SELECTED YEARS

Chloride in Milligrams per Liter (a)

Station	Station Number	Years											
		1931	1939	1944 (b)	1952	1958	1964	1965	1966	1967	1968	1969	[illegible]
Sacramento-San Joaquin System Unimpaired Runoff in Percent of Average (c)		34	49	64	169	168	62	151	75	151	73	172	[illegible]
SUISUN BAY													
CARQUINEZ STRAIT AT CROCKETT	E0B80352133				13,200	11,900	14,600	13,000	15,300	13,900	14,800	13,200	14
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078	16,900	16,400		8,900	7,150	12,900	11,200	12,000	11,000	12,600	11,100	11
SUISUN BAY AT PORT CHICAGO	E0B80342023				6,900	5,830	11,200	9,710	10,700	7,840	10,700	8,100	9
SUISUN BAY AT NICHOLS	E0B80301590						10,100	9,840	10,100	6,420	9,730	7,960	7
SACRAMENTO RIVER AT PITTSBURG	B9D80231530				1,200	1,200	3,280	1,080	2,880	2,120	2,820	1,640	1
SACRAMENTO RIVER DELTA													
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510	12,600	10,400	4,700	783	550	3,730	2,080	3,900	1,440	3,820	2,030	
SACRAMENTO RIVER BELOW EMMATON	B9D80461452					29	1,470	276	1,370	293	1,540	569	
THREE MILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	8,600	5,900	1,610	175	18	459	103	651	57	660	143	
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	7,400	4,050	550	175	17	690	26	195	28	198	40	
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	6,350	2,500	50	125	14	20	13	22	13	14	11	
SAN JOAQUIN RIVER DELTA													
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	12,400	9,200	4,000	354	184	2,500	920	2,930	654	2,730	1,580	
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450					122	892	216	1,675	520	2,320	1,120	
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261415					52	863	147	1,200	144	1,210	495	
THREE MILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411					45	262	60	269	33	291	96	
FALSE RIVER AT BRADFORD ISLAND	B9D80351400							174	892	47	898	191	
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356						72	29	143	35	164	40	
DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	B9D80071384	5,100	2,250	690	88	110	434	68	420	103	409	131	
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74721184	120	160	130	122	219	318	170	284	181	246	168	

(a) Ocean water contains approximately 19,000 milligrams per liter of chloride.

(b) Releases of stored water from Shasta Lake commenced in 1944.

(c) Average taken as mean annual unimpaired flow at foothill stations of major tributaries for 50-year period, October 1920 through September 1970, and does not include runoff from minor tributaries and from valley floor.

(d) Preliminary data subject to revision.

TABLE D-5

SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*

(Chlorides in Milligrams Per Liter)

Station	Station Number	OCTOBER 1969							
		2	6	10	14	18	22	26	30
SUN BAY									
CARQUINEZ STRAIT AT CROCKETT	E0B80352133	6,800	8,800 a	11,350	10,100	9,920			
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078	3,800 a	7,700 e	6,080	6,550 a	7,100 a	7,200 a	6,320	4,700 a
SUISUN BAY AT PORT CHICAGO	E0B80342023	1,410 de	2,600 de	3,980	4,070	2,400	2,800 a	2,790	1,680
SUISUN BAY AT NICHOLS	E0B80301590			4,400	4,630	2,800	3,050	2.700	2,540
SACRAMENTO RIVER AT PITTSBURG	B9D80231530	30 ade	66 a	250	255 a	180 a	–	82	
RAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510			14 d	177 d	82	28	22	14
SACRAMENTO RIVER BELOW EMMATON	B9D80461452	18	14 a	45	29	12	19	19 d	16
THREE MILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	10 a	8 a	9	11 a	12 a	11	10 a	9 a
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	8	7	15	10	6	9	8	6
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	6	5	5	4	6	6	6	3
N JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	25 a	24 a	81	93 a	65 a	59	50	24
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450	19	22 a		100	60	44		19
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261415		15 a					19	16 a
THREE MILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411	13 ad	15 a	15	14 a	13 a	14	15	14 a
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	14 a	14 a	14	15 ad		16 ad	15 a	18 a
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356		8 a	7		8 a			
DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	B9D80071384	22	22 a	21	20 a	24 a	25	27	27
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74721184	46 ade	40	53 a	65 a	33 a	35 a	31 a	39 a

Station	Station Number	NOVEMBER 1969							
		2	6	10	14	18	22	26	30
ISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	E0B80352133	7,920		9,800	8,220	6,220	9,080	8,470	6,920
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078	6,950	7,550	5,020 a	6,160	3.970	7,500		5,780
SUISUN BAY AT PORT CHICAGO	E0B80342023	3,150		2,290 a	2,840	1,930 d		1,680 a	1,760 a
SUISUN BAY AT NICHOLS	E0B80301590	2,890	4,180	3,260	2,890	1,100	3,460	3,390	2,460
SACRAMENTO RIVER AT PITTSBURG	B9D80231530	38		100	80 bd	40	60	58	54
CRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510	12	22	52	7	15	28		
SACRAMENTO RIVER BELOW EMMATON	B9D80461452	12	17 bd	26	15 bd	18	19	18	16
THREE MILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	7	7	8	9 a	8	10	9 a	8
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411				5	6	11	6	8
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	4	6	6	5	3	4	3	3
N JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	22	62	58	40 a	29	46	38 a	31
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450	20	30	37				29	21
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261415			19	19 a				
THREE MILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411	11	13	12	11 a	15	15	14 a	13
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	15	14	14 a	14 a	17 d	18	17	17
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356				6 a	5	4		
DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	B9D80071384	29		30	30	34	32	32	34
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74721184	36	40 a	42 a	38 a	51	47 a	65 a	43

*Samples taken at four-day intervals approximately one and one-half hours after high high tide.

a Taken after low high tide.
b Taken on following day.
c Taken two days later.
d Taken over one hour off schedule time.
e Taken on preceding day.
f Taken two days earlier.

TABLE D-5 (CONT)

SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*

(Chlorides in Milligrams per Liter)

Station	Station Number	DECEMBER 1969							
		2	6	10	14	18	22	26	30
SUISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	E0B80352133	8,160	10,400	10,800	8,540	8,590	5,590	1,250	2,600
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078		8,230	5,950	5,590	3,320 ae	2,320	231	2,450
SUISUN BAY AT PORT CHICAGO	E0B80342023		5,400	3,370 bd	2,900	3,080	268 bd	44	
SUISUN BAY AT NICHOLS	E0B80301590	2,940	5,200	5,690	2,220	2,180	770	30	14
SACRAMENTO RIVER AT PITTSBURG	B9D80231530	62	128		196	56	42	24	16
SACRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510		36	192 d	51	7	14	5	8
SACRAMENTO RIVER BELOW EMMATON	B9D80461452	17	17	56	30	9	7	7	2
THREE MILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	8	9	15	8	5	6	5 a	2
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	5	6	5	7	4	2	2	2
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	3	3	3	6	2	3	2	1
SAN JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	40	93	260	81	47	32	25 d	21
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450	21	39	114		38	24		16
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261415								
THREE MILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411		14	15	16	15	16	16	17
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	16	19	26	18	24	19	20	19
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356		6		10				2
DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	B9D80071384	34	36	32	36	37	39	46	36
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74721184	42 de	46 a	57 a	70	68 a	73 a	42 a	43

Station	Station Number	JANUARY 1970							
		2	6	10	14	18	22	26	30
SUISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	E0B80352133								
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078	2,460	144 a	2,380	1,870		15	16	12 a
SUISUN BAY AT PORT CHICAGO	E0B80342023			289	48 a		25		25 a
SUISUN BAY AT NICHOLS	E0B80301590								20 a
SACRAMENTO RIVER AT PITTSBURG	B9D80231530	20 de	18 d	25		28		22	16
SACRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510	4	4 d	7	7	4	4	4	
SACRAMENTO RIVER BELOW EMMATON	B9D80461452		6	9	7	2	8	8	9
THREE MILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	2	6	8 a	5	3	1	1	2
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	4	3	5	2	4	4	2	1
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356		2	3	3	1	1	1	0
SAN JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	22	25	26	28	25	42	24 a	15
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450		25	22	27	15	17	3	
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261415	21		22 a	29	18	26	14 a	15
THREE MILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411			19 a	13	12 bd	7	5 bd	6
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	18	17	22	25	16	29 a	24	20
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356			6 a	4		3		2
DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	B9D80071384	39	47	42	55	59	67	21	38
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74721184	36	54 a	49 a					

*Samples taken at four-day intervals approximately one and one-half hours after high high tide.

a Taken after low high tide.
b Taken on following day.
c Taken two days later.
d Taken over one hour off schedule time.
e Taken on preceding day.
f Taken two days earlier.

TABLE D-5 (CONT)

SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*

(Chlorides in Milligrams per Liter)

Station	Station Number	FEBRUARY 1970							
		2	6	10	14	18	22	26	30
SUN BAY									
ARQUINEZ STRAIT AT CROCKETT	E0B80352133		1,270	1,700	1,470	1,830 de	1,610		
ARQUINEZ STRAIT AT MARTINEZ	E0B80192078		14 bd	144	21	123	510		
UISUN BAY AT PORT CHICAGO	E0B80342023	12	20	18 a	23	20	20	39	
UISUN BAY AT NICHOLS	E0B80301590	13 a	18	14	14		16	17	
ACRAMENTO RIVER AT PITTSBURG	B9D80231530	9			20		23		
AMENTO RIVER DELTA									
ACRAMENTO RIVER AT COLLINSVILLE									
ACRAMENTO RIVER BELOW EMMATON	B9D80461452	9	4	3	10	10	7	6	
HREE MILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	1	3	4	5	9	7	5	
ACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	3	4	3	3	4	4	4	
ACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	1	2	2	3	4	3	3	
JOAQUIN RIVER DELTA									
AN JOAQUIN RIVER AT ANTIOCH	B9D80111481	12	15	18	19	21	24	23	
AN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450	9		14	14	16	20	19	
AN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261415	14		18	19				
HREE MILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411	5	10	11	13	14	15	14	
ALSE RIVER AT BRADFORD ISLAND	B9D80351400	13	13	16	16	21 a	19	18	
AN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356	3	3	3					
UTCH SLOUGH AT BETHEL ISLAND BRIDGE	B9D80071384	33	35	38	44	48	44	46	
AN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74721184	31 a	33 a	32	37	36 a	31 a	39	

Station	Station Number	MARCH 1970							
		2	6	10	14	18	22	26	30
SUN BAY									
ARQUINEZ STRAIT AT CROCKETT	E0B80352133	3,270			1,720	2,590	5,930		6,960
ARQUINEZ STRAIT AT MARTINEZ	E0B80192078		87 a	35 a	856 a	1,630 a	3,730 a		1,170 ae
UISUN BAY AT PORT CHICAGO	E0B80342023	30	28	19	26	19	545	73 a	1,840
UISUN BAY AT NICHOLS	E0B80301590	19	20	20	18	16	101		1,800
ACRAMENTO RIVER AT PITTSBURG	B9D80231530	18			29		19 a	21 a	
AMENTO RIVER DELTA									
ACRAMENTO RIVER AT COLLINSVILLE	B9D80441510								
ACRAMENTO RIVER BELOW EMMATON	B9D80461452	7	9 d	10	11	9	8 a	9	13 de
HREE MILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	7	6	6	6	10	7 a	8	10
ACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	4	5	6	4	5	8	9	9
ACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	4	4	4	4	5	4	4	8
JOAQUIN RIVER DELTA									
AN JOAQUIN RIVER AT ANTIOCH	B9D80111481	21	23	29 a	26	22	24	20	20
AN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450	18 d		24	20	19	26 a	11	19
AN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261415			26	24				21
HREE MILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411	11 de	19	20	13	13	16 abd	12	10
ALSE RIVER AT BRADFORD ISLAND	B9D80351400	20	20	24	20	12	18 a	18	20
AN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356	6		6	4	10 a		9	
UTCH SLOUGH AT BETHEL ISLAND BRIDGE	B9D80071384	47		57	47	40	36	34	28
AN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74721184	49 a		22	42	64 e	68	86	113

*Samples taken at four-day intervals approximately one and one-half hours after high high tide.

a Taken after low high tide.
b Taken on following day.
c Taken two days later.
d Taken over one hour off schedule time.
e Taken on preceding day.
f Taken two days earlier.

TABLE D-5 (CONT)

SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*

(Chlorides in Milligrams per Liter)

Station	Station Number	APRIL 1970							
		2	6	10	14	18	22	26	30
SUISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	E0B80352133	8,520		7,960	8,470			10,900	9,810
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078	5,190 a	6,380 a	5,110 a	7,750 ae	6,040 a	5,360	9,780	7,100 e
SUISUN BAY AT PORT CHICAGO	E0B80342023		3,790	1,760 a	1,170		6,560	3,840 a	
SUISUN BAY AT NICHOLS	E0B80301590	2,560	3,120		1,600	4,660	5,610	5,380	2,870
SACRAMENTO RIVER AT PITTSBURG	B9D80231530		82 ab	125		170	281 a	709	
SACRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE									
SACRAMENTO RIVER BELOW EMMATON	B9D80461452	14	16 ad	35	21 d	32	57 a		56 a
THREE MILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	10	12 a	13	11	12 a	15	46	20 a
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	9	10	10	8	10	11	12	10
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	6	7	7	8		8	8	8
SAN JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	21	32 a	35 a	72	71	163 a	488	60
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450	19	31	65	40	56	106	278	153 a
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261415		22 a		18	22 a	24 a		32 a
THREE MILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411	12	14 ad	14 bd	14	13 a	12 a	21 bd	16 a
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	17	18	20	17	16 a	17	63	21 a
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356	8		22		7	8 a	8	
DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	B9D80071384	27	27	8	24	27 a	22	21	25 a
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74721184	119 a	143	150	134	132	139	124	125

Station	Station Number	MAY 1970							
		2	6	10	14	18	22	26	30
SUISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	E0B80352133	11,900	12,100	11,000	9,270 e		12,400	12,200	12,100 e
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078	7,610	6,280 a	8,660	5,530 e	10,000	9,250	10,100	7,450 a
SUISUN BAY AT PORT CHICAGO	E0B80342023	3,010 a	3,980 a		4,250 e	7,180	4,100 a	6,210	5,360
SUISUN BAY AT NICHOLS	E0B80301590	3,550	5,870	3,960	3,030 e	6,720	2,480 a	5,070	3,030 e
SACRAMENTO RIVER AT PITTSBURG	B9D80231530	340 a	361 a		257 abd		875 a	535 a	388 a
SACRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510								
SACRAMENTO RIVER BELOW EMMATON	B9D80461452	84 a	45 a	105	22 a	27 a	74 a	257	9- a
THREE MILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	16 a	29 a	23	13 a	12 a	44 bd	49	37 a
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	10	11	10	10	10	9 a	11	11
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	8	6	9	9	7	10	10	11
SAN JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	134 a	119 a	238	87 a	82 a	189 a	435	233 a
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450	117	224	145	58	112	218		
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261415		23 a	24 a					29 a
THREE MILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411	16 a	16	17 b	14 a	11 a	12 a	27	18 a
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	20 a	19 a	27	15 a	15 a	42	90	26 a
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356		8 a	8	10 a	10 a	11 a	11	
DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	B9D80071384	25 a	23	20	24 a	20 a	19	30	30
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74721184	118	135	82	71	54	53	71	67

*Samples taken at four-day intervals approximately one and one-half hours after high high tide.

a Taken after low high tide.
b Taken on following day.
c Taken two days later.
d Taken over one hour off schedule time.
e Taken on preceding day.
f Taken two days earlier.

TABLE D-5 (CONT)

SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*

(Chlorides in Milligrams per Liter)

Station	Station Number	JUNE 1970							
		2	6	10	14	18	22	26	30
SUN BAY									
CARQUINEZ STRAIT AT CROCKETT	E0B80352133	7,870 e	11,900	10,400	7,040 a	10,900 a	12,600	12,900	9,450 a
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078	8,660	10,900		9,200 e	8,250 a	11,700	8,780 a	5,350 a
SUISUN BAY AT PORT CHICAGO	E0B80342023	6,700	8,010	4,540	6,620 e	7,940	5,410 a		6,450 d
SUISUN BAY AT NICHOLS	E0B80301590	6,070	5,820	3,590	2,670 a	5,530	6,330	4,850	5,950 e
SACRAMENTO RIVER AT PITTSBURG	B9D80231530	637 a	849 a		683 a	684 a		1,080 a	
RAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510								
SACRAMENTO RIVER BELOW EMMATON	B9D80461452	109 a	167 d	287 a	57 a	135 a	480	328 a	198 ad
THREE MILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	64 a	164	55 a	33 a	96 a	234	89 a	117 a
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	16	28	17	17	25	45	32 d	12
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	9	10	9	12	8	8	8	8
S JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	267 a	490	532 a	282	282 a	944	408 a	415 a
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450	373	520	233		437	623		
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261415								
THREE MILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411	18 bd	34 abd	47 abd	22 a	46 a	29 a	58 a	36 a
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	38 a	131	66 a	37 a	47 a	194	79 de	75 a
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356	11 a	12 a	10 a	12 ad			11 ade	12 a
DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	B9D80071384	32 a	59	56	50 a	49 a	57	84 a	84 a
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74721184	73	52	82 a	27 a	106	133	51 a	37

Station	Station Number	JULY 1970							
		2	6	10	14	18	22	26	30
SUN BAY									
CARQUINEZ STRAIT AT CROCKETT	E0B80352133		11,400	10,100	11,600 a	12,700		14,300 bd	13,500 e
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078		8,980 a		10,800 e	7,518 a		11,000	10,800 e
SUISUN BAY AT PORT CHICAGO	E0B80342023		7,500	5,820	7,260 e	9,260	5,980	3,940 abd	7,610 e
SUISUN BAY AT NICHOLS	E0B80301590	6,590	5,360	5,220	6,870 e	7,260	4,240 ad	6,300	6,900
SACRAMENTO RIVER AT PITTSBURG	B9D80231530	898 a		1,120 abd		1,270 a			
RAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510								
SACRAMENTO RIVER BELOW EMMATON	B9D80461452	225 a	485 bd	215 a	367 d		446	628	206 a
THREE MILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	148 a	150	57 a	88 a	213 a	151 a	118 a	162 a
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	19 a	31	22	39 e	73		57	7
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356		7	7	6	8	5	5	7
JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481		440 a	525 a	514 a	527 a	760	633 a	570 a
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450		612		582 e	1,080		845	
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261415	389 bd	206 bd				164		540
THREE MILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411	67 a	96 d	67 a	44 a	58 ade		57 abd	59 a
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	84 a	204	88 a	92 a	132 a	209 a	119 a	143 a
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356	10 a		12 a	10 a	13 a	12		12 a
DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	B9D80071384	76 a	85	138	145	142 a	136	175	162 a
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74721184	82	128	154 a	132 a	155	168 a	168 a	157

*Samples taken at four-day intervals approximately one and one-half hours after high high tide.

a Taken after low high tide.
b Taken on following day.
c Taken two days later.
d Taken over one hour off schedule time.
e Taken on preceding day.
f Taken two days earlier.

TABLE D-5 (CONT)

SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*

(Chlorides in Milligrams per Liter)

Station	Station Number	AUGUST 1970							
		2	6	10	14	18	22	26	30
SUISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	E0B80352133	11,800		11,500	13,000 e	10,100	13,200	11,300 e	
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078	10,600	9,060	7,220	7,150 a	9,300	7,780 a	6,560 a	8,790
SUISUN BAY AT PORT CHICAGO	E0B80342023	4,630 a	5,510	4,380 abd	8,000	5,920 a	3,180 bd	5,920 e	5,920
SUISUN BAY AT NICHOLS	E0B80301590	5,850	4,480		7,390 e	5,480			4,200
SACRAMENTO RIVER AT PITTSBURG	B9D80231530	1,100 a	546		1,150 a	1,080 abd	947 ad		521 a
SACRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510								
SACRAMENTO RIVER BELOW EMMATON	B9D80461452	286 a	313	45 a	192 a	218 a	72 bd	36 a	52 a
THREE MILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	150 a	61 a	53 a	106 a	80 a	50 a	65 a	26 a
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	48	34	33	56	41	22	14 e	8
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	5		6	6	6	6	6 e	6
SAN JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	525 a	644	435 a	472 a	492 a	421	246 a	195 a
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450	770		599		683	439 a	158 e	289
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261415	325 bd	160	325		210	170		
THREE MILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411	55 abd	88 a		53 a	53 abd	36 a	29 a	34 ade
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	138 a	133 a	208	127 a	112 a	74 a	48 a	59 a
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356	11 a	10			8 a	8 a		
DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	B9D80071384	141 a	138	126 a	132 a	139 a	118 a	98	69
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74721184	151	161 a	140	157 a	127	142 a	128 d	133

Station	Station Number	SEPTEMBER 1970							
		2	6	10	14	18	22	26	30
SUISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	E0B80352133	9,300	5,510	5,700	7,170 a	10,600	5,160		
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078	7,830	8,200	6,340 a	5,580 a	4,160 a	3,380 a	6,310 b	6,320 a
SUISUN BAY AT PORT CHICAGO	E0B80342023	4,410	3,840	4,390	1,980	1,870 abd	1,550	2,800 b	3,570
SUISUN BAY AT NICHOLS	E0B80301590	2,630	2,970	4,410	2,450	1,670		1,080 b	
SACRAMENTO RIVER AT PITTSBURG	B9D80231530	352 abd	232	192 ad	167 a	139 bd	81	75 a	123
SACRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510								
SACRAMENTO RIVER BELOW EMMATON	B9D80461452	54 a	26 bd	21 a	15 a	14 d	20 a	9 a	14
THREE MILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	14 a	13	12 a	11 a	10	9 a	8 a	8
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	7	8	7			7	6	6
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	6	6		6	9	5	5	
SAN JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	170 a	80 a	76 a	62 a	82	27 a	25 a	61
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450	170	Bridge Out						
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261415								13
THREE MILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411	17 a	11 a	10 a	9 ad	9 a	9 a	10 a	8
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	32	21 a	21 a	14 a	12	11 a	11 a	11
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356	7 a		8 ad	8 a			7 a	5
DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	B9D80071384	70	52	43 b	31 a	26	22	20 a	19
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74721184	129	122 a	147 a	124	127 a	128 a	119	113

*Samples taken at four-day intervals approximately one and one-half hours after high high tide.

a Taken after low high tide.
b Taken on following day.
c Taken two days later.
d Taken over one hour off schedule time.
e Taken on preceding day.
f Taken two days earlier.

FIGURE D-3

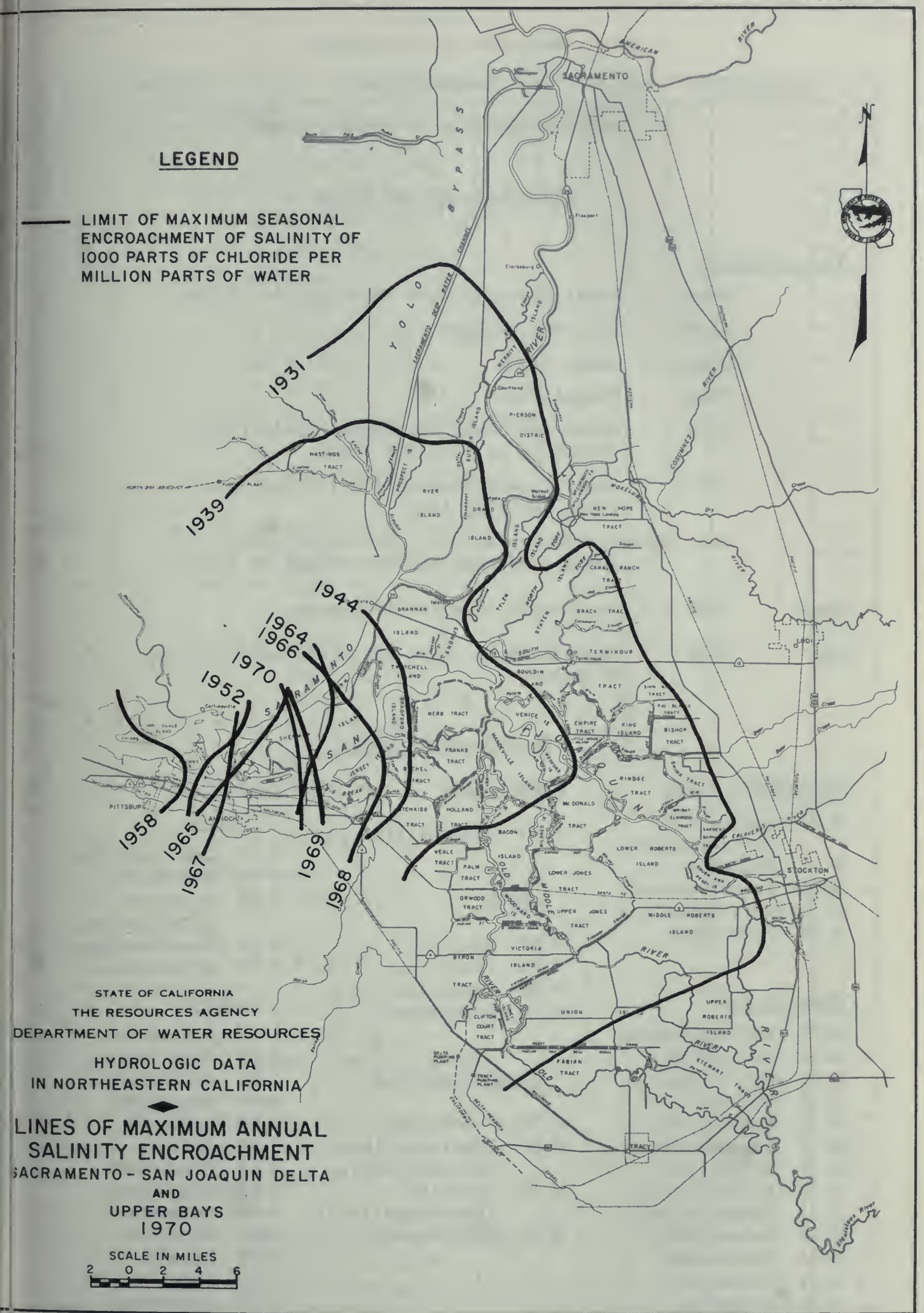

LEGEND
LIMIT OF MAXIMUM SEASONAL ENCROACHMENT OF SALINITY OF 1000 PARTS OF CHLORIDE PER MILLION PARTS OF WATER
1931
1939
1944
1964
1966
1970
1952
1958
1965
1967
1969
1968
SACRAMENTO
YOLO BYPASS
SACRAMENTO DEEP WATER CHANNEL
SAN JOAQUIN RIVER
STOCKTON
PITTSBURG
ANTIOCH
STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
HYDROLOGIC DATA
IN NORTHEASTERN CALIFORNIA
LINES OF MAXIMUM ANNUAL
SALINITY ENCROACHMENT
SACRAMENTO - SAN JOAQUIN DELTA
AND
UPPER BAYS
1970
SCALE IN MILES
2 0 2 4 6

TABLE D-6

PLANKTON ANALYSIS OF SURFACE WATER

Abbreviations and Codes

Phytoplankton

Total	-	Total phytoplankton count per milliliter
Bl-Gr	-	Blue-Green Algae
Green	-	Green Algae
Flag	-	Flagellates
Gr/O	-	Green over Other-Pigmented (undifferentiated if no dividing line)
C/P	-	Centric over Pennate (undifferentiated if no dividing line)
Most Abundant Phytoplankton	-	Indicates specific genus code over its percentage of total

Samp - 5050 - Department of Water Resources

Lab - 5050 - Department of Water Resources Laboratory at Bryte

Phytoplankton Codes

Blue-Green Algae

B 01	Agmenellum-Merismopedia
B 51	Anabaena
B 52	Aphanizomenon
B 55	Oscillatoria
B 56	Phormidium

Green Algae

G 02	Ankistrodesmus
G 05	Closterium
G 07	Crucigenia
G 12	Oocystis
G 15	Scenedesmus
G 16	Staurastrum
G 19	Schroderia
G 20	Elakatothrix
G 21	Sphaerocystis
G 22	Selenastrum
G 23	Tetraedron
G 27	Cosmarium
G 56	Mougeotia
G 65	Ulotrix

Flagellates

F 99	Unidentified

Green

F 03	Euglena
F 05	Pandorina
F 08	Trachelomonas
F 10	Gloeomonas

Other-Pigmented

F 52	Dinobryon
F 54	Dinoflagellates (Dinophyceae)
F 55	Ceratium (Dinoflagellate)
F 56	Cryptomonas

Diatoms

Centric

D 02	Coscinodiscus
D 03	Cyclotella
D 05	Melosira (fresh water)
D 06	Stephanodiscus
D 07	Rhizosolenia

Pennate

D 51	Achnanthes
D 52	Amphiprora
D 55	Asterionella
D 57	Cocconeis
D 59	Cymbella
D 60	Diatoma
D 62	Fragilaria
D 63	Gomphonema
D 65	Navicula
D 66	Nitzschia
D 70	Synedra
D 71	Tabellaria
D 73	Ceratoneis
D 75	Epithemia

TABLE D-6

PLANKTON ANALYSIS OF SURFACE WATER

DATE TIME	PHYTOPLANKTON (NO/ML)					MOST ABUNDANT PHYTOPLANKTON (GENUS / %)								ZOOPLANKTON (NO/L)				MOST ABUNDANT ZOOPLANKTON (GENUS/%)			SAMP	LAB
	TOTAL	BL-GR	GREEN	FLAG GR/O	DIATOMS C/P	1	2	3	4	5	6	7	8	TOTAL	ROTIFER	CRUST	MISC	1	2	3		
A 5103.00 FEATHER RIVER AT NICOLAUS																						
10-02-69 1215	1810		160	1300	350/0	F 99/71.8	D 03/19.3	G 23/5.3	G 02/1.8	G 22/1.8											5050	5050
11-05-69 1155	930		64	802	0/64	F 99/86.2	G 15/3.5	D 70/3.5	G 22/3.4	D 66/3.4											5050	5050
12-03-69 1120	1344		32	1054	162/96	F 99/73.6	D 03/9.7	D 66/7.1	D 05/2.4	F 08/2.4	F 52/2.4	G 22/2.4									5050	5050
01-07-70 1225	320		64	160	64/32	F 99/50.0	G 02/20.0	D 03/10.0	D 06/10.0	D 75/10.0											5050	5050
02-04-70 1040	482		32	290	160/0	F 99/60.2	D 03/33.2	G 02/6.6													5050	5050
03-04-70 1220	646		96	550		F 99/85.1	G 02/14.9														5050	5050
04-08-70 1210	1282		32	510	580/160	F 99/39.8	D 03/35.1	D 05/10.1	D 60/5.0	D 66/5.0	D 55/2.5	G 15/2.5									5050	5050
05-06-70 1125	1288		320	420	290/258	F 99/32.6	G 02/24.8	D 03/22.5	D 55/10.1	D 66/5.0	D 70/5.0										5050	5050
06-03-70 1030	4374		1344	2356	414/260	F 99/51.7	G 02/15.3	G 22/13.9	D 03/9.5	D 66/5.9	F 52/1.5	G 15/1.5	F 54/0.7								5050	5050
07-07-70 1015	2354		418	32/1332	412/160	F 99/55.2	D 03/16.1	G 02/5.5	G 22/4.1	D 70/4.1	G 07/2.6	G 19/2.6	G 15/1.4								5050	5050
08-05-70 0830	964		130	420	190/224	F 99/43.6	D 03/19.7	D 66/16.6	G 22/13.5	D 62/6.6											5050	5050
09-02-70 0840	770		32	382	260/96	F 99/45.4	D 03/33.7	D 55/8.3	G 02/4.2	F 56/4.2	D 70/4.2										5050	5050
A0 5165.00 FEATHER RIVER NEAR GRIDLEY																						
10-02-69 1010	1456		32	1328	64/32	F 99/84.6	F 52/4.4	D 03/4.4	G 27/2.2	F 54/2.2	D 65/2.2										5050	5050
11-05-69 0845	1376		96	1152	0/128	F 99/81.4	D 66/7.0	G 22/4.7	G 15/2.3	F 52/2.3	D 65/2.3										5050	5050
12-03-69 0925	1496			1432	64/0	F 99/95.8	D 03/2.1	D 05/2.1													5050	5050
01-07-70 1005	194			130	32/32	F 99/67.0	D 05/16.5	D 65/16.5													5050	5050
02-04-70 0910	96			64	32/0	F 99/66.7	D 05/33.3														5050	5050
03-04-70 0930	678		64	550	32/32	F 99/81.2	G 02/4.7	G 15/4.7	D 03/4.7	D 65/4.7											5050	5050
04-08-70 0955	1974		32	1180	540/222	F 99/50.2	D 03/27.4	F 56/9.6	D 55/9.6	D 66/1.6	G 02/1.6										5050	5050
05-06-70 0935	1310		32	834	380/64	F 99/61.3	D 03/29.0	D 66/4.9	G 02/2.4	F 54/2.4											5050	5050
06-03-70 0750	830		96	702	32/0	F 99/84.5	G 02/7.7	G 15/3.9	D 03/3.9												5050	5050
07-08-70 0630	898		32	770	96/0	F 99/85.7	D 03/10.7	G 02/3.6													5050	5050
08-05-70 0640	894			704	190/0	F 99/71.5	D 03/21.3	F 52/7.2													5050	5050
09-02-70 0815	806			644	130/32	F 99/75.9	D 03/16.1	F 52/4.0	D 70/4.0												5050	5050
A0 7140.10 AMERICAN RIVER AT SACRAMENTO WATER PLANT AT SACRAMENTO																						
10-27-69 0915	258			130	32/96	F 99/50.4	D 51/24.8	D 05/12.4	D 66/12.4												5050	5050
A0 7180.00 AMERICAN RIVER BELOW NIMBUS DAM																						
10-27-69 0730	194			130	32/32	F 99/67.0	D 03/16.5	D 59/16.5													5050	5050
A5 R 010.8 036.3 ANTELOPE LAKE AT EAST END OF DAM																						
10-08-69 0815	4394	130	732	32/3500		F 99/79.7	G 21/12.3	G 12/3.6	B 51/3.0	G 16/0.7	F 08/0.7										5050	5050
05-06-70 1230	4280			32/3832	0/416	F 99/89.5	D 55/7.5	D 62/1.5	D 66/0.7	F 08/0.7											5050	5050
09-23-70 1325	800	32	32	194	32/510	D 51/40.0	F 99/24.2	D 62/23.8	B 01/4.0	D 03/4.0	G 12/4.0										5050	5050
A5 R 011.3 034.1 ANTELOPE LAKE AT ANTELOPE CREEK BRIDGE																						
10-08-69 0925	8244	130	2392	130/5560	0/32	F 99/67.4	G 21/26.6	B 51/1.6	F 08/1.6	G 12/1.2	G 07/1.2	D 31/0.4	G 16/Trace								5050	5050
05-06-70 1305	7548			96/7230	0/222	F 99/95.8	D 35/2.5	F 03/1.3	D 62/0.4												5050	5050
09-23-70 1350	704			482	190/32	F 99/68.5	D 05/27.0	D 62/4.5													5050	5050
A5 R 011.7 036.5 ANTELOPE LAKE AT LONE ROCK CAMPGROUND																						
10-08-69 0850	3864	160	546	3030	0/128	F 99/78.4	G 21/11.6	B 51/4.2	G 12/2.5	D 70/1.7	D 51/0.8	D 66/0.8									5050	5050
05-06-70 1345	1912			1720	64/128	F 99/90.0	D 03/3.3	D 55/3.3	D 62/1.7	D 66/1.7											5050	5050
09-23-70 1425	894		32	670	0/192	F 99/74.9	D 62/10.7	D 52/3.6	D 65/3.6	D 66/3.6	G 15/3.6	G 05/Trace									5050	5050

PLANKTON ANALYSIS OF SURFACE WATER

DATE TIME	PHYTOPLANKTON (NO/ML)					MOST ABUNDANT PHYTOPLANKTON (GENUS / %)								ZOOPLANKTON (NO/ L)				MOST ABUNDANT ZOO-PLANKTON (GENUS/%)			SAMP	LAB
	TOTAL	BL-GR	GREEN	FLAG GR/O	DIATOMS C/P	1	2	3	4	5	6	7	8	TOTAL	ROTIFER	CRUST	MISC	1	2	3		
A5 R 932.7 128.5 LAKE OROVILLE NEAR OROVILLE DAM (STATION 1)																						
10-21-69 1250	798		32	702	64/0	F 99/88.0	D 03/8.0	G 20/4.0													5050	5050
11-25-69 1430	734			734		F 99/91.3	F 54/8.7														5050	5050
12-17-69 1015	540			444	96/0	F 99/82.2	D 05/17.8														5050	5050
01-27-70 1115	192		32	96	64/0	F 99/50.0	D 03/33.3	G 02/16.7													5050	5050
02-26-70 1030	1210			1082	128/0	F 99/86.8	D 03/8.0	F 05/2.6	D 07/2.6												5050	5050
03-26-70 0930	1564			1180	320/64	F 99/75.5	D 03/20.5	D 66/2.0	D 70/2.0	D 55/Trace											5050	5050
04-28-70 0930	894		64	670	160/0	F 99/74.9	D 03/17.9	G 02/7.2													5050	5050
A5 R 933.1 125.7 LAKE OROVILLE AT BIDWELL BAR BRIDGE (STATION 3)																						
10-21-69 1115	1364			32/1332		F 99/97.7	F 10/2.3														5050	5050
11-25-69 1120	740			740		F 99/100															5050	5050
12-17-69 1100	318			286	32/0	F 99/89.9	D 05/10.1														5050	5050
01-27-70 1230	224			160	64/0	F 99/71.4	D 03/28.6														5050	5050
02-26-70 1130	1222			1060	162/0	F 99/86.8	D 03/10.6	D 05/2.6													5050	5050
03-26-70 1110	1834			64/1512	226/96	F 99/82.4	D 07/7.1	D 03/5.2	F 05/3.5	D 55/1.8											5050	5050
04-28-70 1030	476			412	64/0	F 99/86.6	D 03/13.4														5050	5050
A5 R 937.0 129.3 LAKE OROVILLE IN NORTH FORK ARM (STATION 2)																						
10-21-69 0815	2322		32	96/2064	130/0	F 99/88.9	D 03/5.6	F 10/4.1	G 20/1.4												5050	5050
11-25-69 1000	480		128	352		F 99/66.7	G 02/13.3	G 22/13.3	F 52/6.7												5050	5050
12-17-69 0910	194		32	130	32/0	F 99/67.0	G 22/16.5	D 03/16.5													5050	5050
01-27-70 0920	160		64	64	32/0	F 99/40.0	G 02/20.0	G 15/20.0	D 03/20.0	D 07/Trace											5050	5050
02-26-70 0910	2202			220/1950	32/0	F 99/88.6	F 05/10.0	D 03/1.4													5050	5050
03-26-70 1025	1758		64	130/1180	384/0	F 99/67.0	D 03/18.2	F 05/7.4	G 22/3.7	D 07/3.7											5050	5050
04-28-70 0820	1028		32	836	160/0	F 99/81.3	D 03/15.6	G 02/3.1													5050	5050
A5 R 952.8 028.2 LAKE DAVIS OUTLET TO GRIZZLY CREEK																						
05-06-70 1130		Trace				G 65/90.0	D 62/5.0	B 55/Trace	D 71/Trace	D 70/Trace											5050	5050
A5 R 953.0 028.4 LAKE DAVIS AT NORTHEAST END OF DAM																						
10-07-69 1120	636			572	0/64	F 99/64.8	F 52/25.2	D 57/5.0	D 62/5.0												5050	5050
05-06-70 1005	1022			352	0/670	D 71/65.6	F 99/31.3	F 52/3.1													5050	5050
A5 R 953.0 028.6 LAKE DAVIS NEAR DAM																						
05-26-70 1400	350			160	0/190	D 71/54.3	F 99/45.7														5050	5050
06-24-70 0800	420			420		F 99/100	B 51/Trace	B 52/Trace	D 71/Trace	F 55/Trace											5050	5050
07-21-70 1135	2170	1300	420	450		B 51/59.9	F 99/20.7	G 22/19.4													5050	5050
08-25-70 1705	998	32	130	160/676		F 99/58.1	F 08/16.0	G 12/13.0	F 56/9.6	B 51/3.2	G 16/Trace										5050	5050
09-22-70 1445	386	64		322		F 99/75.1	B 51/16.6	B 56/8.3	G 16/Trace	G 19/Trace											5050	5050
A5 R 953.6 011.4 FRENCHMAN LAKE AT WEST END OF DAM																						
10-07-69 0750	1090			480	350/260	F 99/44.0	D 06/32.1	D 71/23.8	B 51/Trace	B 55/Trace											5050	5050
05-06-70 0705	1088			1024	0/64	F 99/91.2	D 73/5.9	F 56/2.9	D 71/Trace												5050	5050
09-23-70 0850	1054	220	160	32/610	0/32	F 99/57.9	B 51/20.9	G 19/9.1	G 12/6.1	D 66/3.0	F 08/3.0										5050	5050

TABLE D-6 (CONT)

PLANKTON ANALYSIS OF SURFACE WATER

DATE TIME	PHYTOPLANKTON (NO/ML)					MOST ABUNDANT PHYTOPLANKTON (GENUS / %)								ZOOPLANKTON (NO/ L)				MOST ABUNDANT ZOO-PLANKTON (GENUS/%)			SAMP	LAB
	TOTAL	BL-GR	GREEN	FLAG GR/O	DIATOMS C/P	1	2	3	4	5	6	7	8	TOTAL	ROTIFER	CRUST	MISC	1	2	3		
A5 R 954.9 010.9 FRENCHMAN LAKE AT CRYSTAL SPRINGS CAMPGROUND																						
10-07-69 0830	670	64		162	64/380	D 71 56.7	F 99 24.2	B 51 9.6	D 06 9.6	D 62 Trace											5050	5050
05-06-70 0740	2248			1996	0/252	F 99 87.4	D 71 9.8	D 51 1.4	F 56 1.4												5050	5050
09-23-70 0920	804		130	642	0/32	F 99 79.6	G 19 16.2	D 62 4.0	D 71 Trace												5050	5050
A5 R 954.9 030.3 LAKE DAVIS, MIDLAKE																						
05-26-70 1035	924		130	604	0/190	F 99 58.4	D 71 20.6	G 02 14.1	F 52 6.9	B 51 Trace	G 28 Trace	F 55 Trace									5050	5050
06-24-70 1030	354		64	290		F 99 81.9	G 02 9.0	G 22 9.0	B 51 Trace	D 71 Trace											5050	5050
07-21-70 1315	1210	700	160	350		B 51 57.9	F 99 28.9	G 22 13.2													5050	5050
08-25-70 1335	638	96		542		F 99 80.0	B 51 15.0	F 56 5.0	G 16 Trace												5050	5050
09-22-70 1300	292		32	260		F 99 89.0	G 19 11.0	F 56 Trace													5050	5050
A5 R 955.8 030.4 LAKE DAVIS OPPOSITE MT. NICHOLS LOGGING ROAD																						
10-07-69 1255	1456		64	1200	0/192	F 99 82.4	D 55 4.4	D 66 4.4	D 70 4.4	G 02 2.2	G 15 2.2										5050	5050
A5 R 955.9 031.3 LAKE DAVIS NEAR NORTH END																						
05-26-70 0800	606		32	414	96/64	F 99 57.8	O 03 15.8	F 52 10.6	D 71 10.6	G 22 5.3	B 51 Trace										5050	5050
06-24-70 1500	610		96	514		F 99 73.8	G 19 15.7	F 55 5.2	F 56 5.2	B 51 Trace	D 71 Trace										5050	5050
07-21-70 0820	892	540	32	320		B 51 60.5	F 99 35.9	G 19 3.6													5050	5050
08-25-70 0930	450			450		F 99 57.8	F 56 42.2														5050	5050
09-22-70 1145	352		32	320		F 99 45.5	F 56 45.5	G 19 9.0													5050	5050
A5 R 956.1 031.3 LAKE DAVIS AT VALLEY VISTA RECREATION AREA																						
05-06-70 0930	1220			1220		F 52 60.7	F 99 39.3														5050	5050
A5 R 956.9 012.3 FRENCHMAN LAKE NEAR UPPER END																						
10-07-69 0905	1346	160		32/930	64/160	F 99 69.1	B 51 11.9	D 57 7.1	D 06 4.8	D 66 4.8	F 08 2.4	D 75 Trace									5050	5050
05-06-70 --	582		130	290	32/130	F 99 49.8	D 71 22.3	G 02 22.3	D 02 5.5	G 56 Trace											5050	5050
09-23-70 0955	1855		316	896	0/640	F 99 48.3	D 55 20.5	G 12 11.9	D 51 7.0	D 63 7.0	G 19 5.2										5050	5050
A7 4170.00 AMERICAN RIVER, SOUTH FORK, AT COLOMA																						
10-22-69 1300	614		32	452	0/130	F 99 73.6	D 51 21.2	G 02 5.2													5050	5050
A7 5050.01 RUBICON RIVER BELOW RALSTON POWERHOUSE NEAR FORESTHILL																						
10-22-69 1515	64			64		F 99 100	D 59 Trace														5050	5050

TABLE D-7

NUTRIENTS IN SURFACE WATER

Abbreviations and Codes

Nitrogen Series

NO_3	-	Nitrate (unfiltered)
NO_2	-	Nitrite (unfiltered)
Org	-	Organic Nitrogen (unfiltered)
NH_3	-	Ammonia (unfiltered)
Total	-	Total Nitrogen (unfiltered)

Phosphorus Series

Ortho	-	Ortho-Phosphate (filtered)
Hydro	-	Hydrolizable Phosphates (filtered)
Total	-	Total Phosphorus (unfiltered)

Miscellaneous Nutrients

DON	-	Dissolved Organic Nitrogen as N
KN	-	Kjeldahl Nitrogen as N
RP	-	Reactive Phosphate as P
PO_4	-	Unfiltered Ortho-Phosphates as P
M	-	Milligrams per liter
MY	-	Less than value indicated in milligrams per liter
U	-	Micrograms per liter

Samp - Codes for agency collecting sample

5001	-	U. S. Bureau of Reclamation
5050	-	Department of Water Resources
5212	-	Yuba City Water Treatment Plant
5213	-	Marysville Sewage Treatment Plant
5401	-	Cordua Water District
5402	-	Linda County Water District
5403	-	Reclamation District 784
5405	-	Olivehurst Public Utility District

Lab - Codes for laboratory performing analysis

5000	-	U. S. Geological Survey Laboratory at Sacramento
5006	-	McClellan Air Force Base Laboratory, used by U. S. Bureau of Reclamation
5050	-	Department of Water Resources Laboratory at Bryte
5060	-	Department of Public Health, Bureau of Sanitary Engineering Laboratory at Berkeley

TABLE D-7

NUTRIENTS IN SURFACE WATER

ate me	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	Lab
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
0 112.00 SACRAMENTO RIVER AT ELKHORN FERRY													
0 7-69 10	0.09					0.02		0.05	KN	000.1	M	5050	5050
0 1-69 00	0.14					0.02		0.07	KN	000.2	M	5050	5050
1 4-69 10	0.11					0.02		0.03	KN	000.1	M	5050	5050
2 6-69 30	0.19					0.12		0.12	KN	000.3	M	5050	5050
1 6-70 20	0.16					0.02		0.09	KN	000.3	M	5050	5050
1 0-70 20	0.14					0.01		0.08	KN	000.1	M	5050	5050
2 7-70 00	0.21					0.01		0.16	KN	000.2	M	5050	5050
3 3-70 15	0.18					0.02		0.20	KN	000.2	M	5050	5050
3 7-70 45	0.09					0.02		0.08	KN	000.1	M	5050	5050
4 7-70 00	0.18					0.02		0.08	KN	000.2	M	5050	5050
4 1-70 00	0.14					0.03		0.07	KN	000.2	M	5050	5050
5 5-70 10	0.12					0.02		0.11	KN	000.2	M	5050	5050
5 9-70 40	0.16					0.02		0.11	KN	000.3	M	5050	5050
6 3-70 40	0.53					0.02		0.10	KN	000.2	M	5050	5050
6 6-70 45	0.10					0.03		0.11	KN	000.3	M	5050	5050
7 1-70 10	0.07					0.02		0.10	KN	000.2	M	5050	5050
8 4-70 00	0.15					0.16		0.16	KN	000.2	M	5050	5050
8 8-70 00	0.07					0.03		0.09	KN	000.3	M	5050	5050
9 2-70 55	0.11					0.04		0.07	KN	000.6	M	5050	5050
9 5-70 15	0.03					0.02		0.06	KN	000.2	M	5050	5050
0 170.00 SACRAMENTO RIVER AT FREMONT WEIR, WEST END													
0 7-69 10	0.15					0.02		0.06	KN	000.1	M	5050	5050
1 4-69 00	0.15					0.02		0.03	KN	000.1	M	5050	5050
2 2-69 30	0.13					0.02		0.07	KN	000.0	M	5050	5050

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	Lc
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
AO 2170.00 SACRAMENTO RIVER AT FREMONT WEIR, WEST END (Continued)													
01-06-70 1315	0.19					0.02		0.12	KN	000.1	M	5050	50
03-03-70 1200	0.23					0.02		0.26	KN	000.5	M	5050	50
04-07-70 1215	0.32					0.04		0.12	KN	000.2	M	5050	50
05-05-70 1120	0.19					0.02		0.08	KN	000.2	M	5050	50
06-03-70 1030	0.15					0.02		0.16	KN	000.3	M	5050	50
07-07-70 1030	0.06					0.02		0.12	KN	000.2	M	5050	50
08-04-70 1000	0.17					0.07		0.08	KN	000.2	M	5050	50
09-01-70 1000	0.12					0.05		0.16	KN	000.2	M	5050	50
AO 2430.02 SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN													
10-07-69 1000	0.15			0.2		0.02		0.05				5050	50
10-21-69 1025	0.20			0.1		0.02		0.06				5050	50
11-04-69 1050	0.15			0.1		0.02		0.05				5050	50
12-02-69 --	0.13			0.4		0.03		0.08				5050	50
12-16-69 --	0.30			0.4		0.00		0.26				5050	50
01-06-70 --	0.19			0.2		0.02		0.11				5050	50
01-20-70 --	0.28			0.4		0.02		0.18				5050	50
02-03-70 --	0.31			0.4		0.02		0.23				5050	50
02-17-70 --	0.21			0.3		0.02		0.47				5050	50
03-03-70 0955	0.22			0.4		0.04		0.47				5050	50
03-17-70 0953	0.23			0.2		0.02		0.13				5050	50
04-07-70 1125	0.31			0.2		0.03		0.12				5050	50
04-21-70 1125	0.75			0.3		0.01		0.08				5050	50
05-05-70 0930	0.17			0.1		0.02		0.07				5050	50
06-15-70 0945	0.13			0.2		0.03		0.14				5050	50
07-15-70 0845	0.08			0.2		0.07		0.09				5050	50

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

ate me	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	Lab
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
0.430.02 SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN (Continued)													
08.9-70 --	0.15			0.3		0.02		0.07				5050	5050
09.0-70 35	0.04			0.5		0.04		0.19				5050	5050
0.785.00 SACRAMENTO RIVER AT BEND BRIDGE													
11.3-69 020						0.00						5050	5050
01.7-70 30						0.02						5050	5050
03.5-70 015						0.02						5050	5050
05.7-70 735	0.02					0.01						5050	5050
07.2-70 300						0.00						5050	5050
09.2-70 40						0.01						5050	5050
AC2911.50 R. D. 1000 DRAIN NO. 3 TO SACRAMENTO RIVER													
02.6-70 030	1.4					0.24		0.44	KN	000.4	M	5050	5050
04.1-70 --	0.11					0.33		0.54	KN	000.6	M	5050	5050
05.5-70 --	0.04					0.24		0.53	KN	000.7	M	5050	5050
05.9-70 --	0.08					0.14		0.34	KN	001.2	M	5050	5050
06.2-70 --	0.03					0.06		0.45	KN	001.7	M	5050	5050
06.6-70 --	0.32					0.13		0.34	KN	001.4	M	5050	5050
AC2925.00 SACRAMENTO SLOUGH AT SACRAMENTO RIVER													
10.7-69 015	0.29			0.6		0.14		0.24				5050	5050
10.1-69 045	0.28			0.8		0.26		0.31				5050	5050
11.4-69 005	0.25			0.5		0.12		0.22				5050	5050
04.7-70 015	0.19			0.5		0.08		0.16				5050	5050
04.1-70 025	0.27			0.6		0.10		0.24				5050	5050
05.5-70 350	0.25			0.5		0.08		0.19				5050	5050
05.9-70 910	0.19			0.7		0.12		0.26				5050	5050
06.3-70 355	0.19			0.7		0.14		0.27				5050	5050

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	Lal
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
AO 2925.00 SACRAMENTO SLOUGH AT SACRAMENTO RIVER (Continued)													
06-15-70 0950	0.15			0.7		0.11		0.26				5050	505
07-15-70 1110	0.12			0.9		0.18		0.23				5050	505
08-19-70 1500	0.23			0.7		0.12		0.18				5050	505
09-10-70 1215	0.11			0.6		0.12		0.36				5050	505
AO 2933.00 R. D. 108 DRAIN TO SACRAMENTO RIVER													
10-07-69 1300	0.37			0.6		0.24		0.28				5050	505
02-03-70 0900	0.90			0.5		0.32		0.46				5050	505
02-16-70 0825	0.78			0.5		0.29		0.53				5050	505
03-03-70 0830	0.58			0.8		0.26		0.41				5050	505
03-16-70 0840	0.34			0.4		0.31		0.31				5050	505
04-07-70 0820	0.22			0.5		0.29		0.35				5050	505
04-20-70 0900	0.26			0.8		0.22		0.30				5050	505
05-05-70 0835	0.15			0.6		0.12		0.36				5050	505
05-19-70 0900	0.12			0.9		0.20		0.44				5050	505
06-05-70 1000	0.13			1.0		0.21		0.30				5050	505
07-15-70 1340	0.13			0.8		0.17		0.22				5050	505
08-19-70 1640	0.07			0.7		0.15		0.19				5050	505
09-10-70 1330	0.06			0.5		0.13		0.37				5050	505
AO 2947.10 COLUSA BASIN DRAIN NEAR KNIGHTS LANDING													
10-07-69 1040	0.52			0.8		0.12		0.20				5050	505
10-21-69 1120	0.26			0.9		0.09		0.21				5050	505
11-04-69 1140	0.13			0.7		0.12		0.20				5050	505
12-02-69 1130	0.10			0.7		0.14		0.25				5050	505
12-16-69 1115	0.23			0.7		0.10		0.19				5050	505
01-06-70 1110	0.46			0.6		0.13		0.23				5050	505

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	Lab
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
947.10 COLUSA BASIN DRAIN NEAR KNIGHTS LANDING (Continued)													
-0-70 150	0.73			1.1		0.10		0.30				5050	5050
-5-70 155	0.96			1.0		0.10		0.24				5050	5050
-7-70 120	0.59			1.0		0.8		0.46				5050	5050
-3-70 150	0.59			0.7		0.10		0.18				5050	5050
-7-70 135	0.54			0.7		0.11		0.18				5050	5050
-7-70 100	0.49			0.9		0.11		0.32				5050	5050
-1-70 05	0.42			0.9		0.10		0.25				5050	5050
5-5-70 25	0.25			0.7		0.10		0.30				5050	5050
5-9-70 40	0.41			0.8		0.09		0.30				5050	5050
6-3-70 15	0.33			1.2		0.11		0.30				5050	5050
6-5-70 20	0.20			1.0		0.12		0.27				5050	5050
7-5-70 00	0.23			0.9		0.08		0.24				5050	5050
8-9-70 50	0.22			0.8		0.08		0.21				5050	5050
9-0-70 30	0.18			0.8		0.08		0.41				5050	5050
0 950.00 R. D. 787 DRAINAGE TO COLUSA BASIN DRAIN													
1 9-70 20	6.8			0.9		0.02		0.14				5050	5050
2 6-70 30	1.4			0.6		0.06		0.27				5050	5050
7 5-70 35	0.06			0.5		0.09		0.20				5050	5050
8 9-70 00	0.03			0.7		0.13		0.21				5050	5050
9 0-70 00	0.02			0.6		0.08		0.21				5050	5050
0 955.00 R. D. 787 DRAINAGE TO SACRAMENTO RIVER													
1 6-70 00	0.17			0.1		0.03		0.10				5050	5050
1 9-70 30	2.2			1.7		0.23		0.70				5050	5050
2 4-70 00	1.8			0.6		0.20		0.35				5050	5050
2 6-70 30	0.43			0.4		0.05		0.28				5050	5050

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	Lc
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
AO 2955.00 R. D. 787 DRAINAGE TO SACRAMENTO RIVER (Continued)													
03-03-70 0800	0.91			0.5		0.00		0.32				5050	50
03-16-70 0830	0.21			0.1		0.02		0.08				5050	50
04-20-70 0730	0.02			0.6		0.16		0.23				5050	50
06-03-70 0730	0.12			1.0		0.18		0.33				5050	50
06-16-70 0700	0.04			0.7		0.13		0.26				5050	50
07-15-70 1255	0.07			1.2		0.23		0.23				5050	50
08-19-70 1620	0.15			0.8		0.17		0.22				5050	50
09-10-70 1310	0.02			0.4		0.14		0.40				5050	50
AO 2965.00 R. D. 70 DRAINAGE TO SACRAMENTO RIVER													
10-07-69 0615	0.07			0.7		0.16		0.39				5050	50
10-21-69 0630	0.05			0.5		0.09		0.20				5050	50
11-04-69 0730	0.08			0.5		0.09		0.16				5050	50
12-01-69 0715	0.06			0.5		0.06		0.14				5050	50
12-16-69 0700	0.15			0.4		0.05		0.16				5050	50
01-06-70 0920	0.59			0.3		0.13		0.15				5050	50
02-03-70 0745	2.6			0.7		0.20		0.21				5050	50
03-03-70 0745	1.2			0.6		0.18		0.28				5050	50
03-17-70 0730	0.99			0.5		0.27		0.27				5050	50
04-07-70 0800	0.26			0.4		0.09		0.09				5050	50
04-21-70 0815	0.16			1.7		0.14		0.87				5050	50
05-05-70 0810	0.11			0.5		0.11		0.20				5050	50
05-19-70 0640	0.17			0.8		0.12		0.25				5050	50
06-03-70 0730	0.14			0.8		0.21		0.34				5050	50
06-15-70 0630	0.20			0.9		0.15		0.26				5050	50
07-15-70 0735	0.13			0.7		0.14		0.33				5050	50

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	Lab
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
0965.00 R. D. 70 DRAINAGE TO SACRAMENTO RIVER (Continued)													
8 9-70 50	0.02			0.9		0.15		0.26				5050	5050
9 0-70 45	0.06			0.05		0.15		0.22				5050	5050
0 967.00 BUTTE SLOUGH AT OUTFALL GATES													
0 7-69 20	0.08			0.5		0.08		0.19				5050	5050
0 1-69 50	0.06			0.5		0.05		0.16				5050	5050
1 4-69 10	0.11			0.6		0.06		0.14				5050	5050
1 8-69 05	0.04			0.4		0.05		0.13				5050	5050
2 2-69 15	0.05			0.6		0.04		0.16				5050	5050
2 6-69 30	0.23			0.3		0.04		0.11				5050	5050
1 6-70 55	0.19			0.1		0.02		0.08				5050	5050
1 0-70 50	0.24			0.4		0.03		0.16				5050	5050
2 3-70 45	0.41			0.6		0.03		0.26				5050	5050
02 7-70 25	0.23			0.3		0.03		0.17				5050	5050
03 3-70 20	0.22			0.3		0.02		0.09				5050	5050
03 7-70 20	0.01			0.4		0.01		0.09				5050	5050
04 7-70 35	0.04			0.6		0.04		0.11				5050	5050
04 1-70 15	0.26			0.6		0.07		0.21				5050	5050
05 5-70 20	0.20			0.5		0.06		0.16				5050	5050
06 3-70 10	0.16			0.7		0.05		0.18				5050	5050
06 5-70 35	0.13			0.6		0.05		0.15				5050	5050
07 4-70 00	0.16			0.6		0.06		0.17				5050	5050
08 9-70 05	0.10			0.6		0.06		0.10				5050	5050
09 0-70 15	0.04			0.6		0.06		0.13				5050	5050

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	Lc
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
AO 5103.00 FEATHER RIVER AT NICOLAUS													
10-02-69 1215	0.04		0.1	0.00		0.01		0.04				5050	50
10-21-69 0830	0.02					0.00		0.03	KN	000.1	M	5050	50
11-05-69 1055	0.03		0.2	0.00		0.01		0.03				5050	50
11-18-69 0945	0.03					0.00		0.04	KN	000.2	M	5050	50
12-03-69 1120	0.04		0.1	0.06		0.00		0.04				5050	50
12-16-69 1030	0.06					0.06		0.06	KN	000.1	M	5050	50
01-07-70 1225	0.09		0.2	0.00		0.01		0.06				5050	50
01-20-70 1125	0.21					0.02		0.06	KN	000.2	M	5050	50
02-04-70 1040	0.14		0.2	0.00		0.01		0.08				5050	50
02-17-70 1120	0.18					0.01		0.13	KN	000.2	M	5050	50
03-04-70 1220	0.12		0.2	0.00		0.01		0.10				5050	50
03-17-70 1030	0.02					0.01		0.12	KN	000.2	M	5050	50
04-08-70 1210	0.04		0.2	0.00		0.01		0.02				5050	50
04-21-70 1015	0.08					0.01		0.06	KN	000.2	M	5050	50
05-06-70 1125	0.07		0.1	0.00		0.01		0.04				5050	50
05-19-70 1340	0.04					0.00		0.06	KN	000.1	M	5050	50
06-03-70 1030	0.06		0.4	0.00		0.01		0.05				5050	50
06-16-70 0845	0.04					0.01		0.04	KN	000.2	M	5050	50
07-07-70 1015	0.03		0.1	0.01		0.00		0.05				5050	50
07-21-70 0940	0.02					0.01		0.07	KN	000.2	M	5050	50
08-05-70 0830	0.07		0.2	0.01		0.06		0.11				5050	50
08-18-70 1150	0.03					0.01		0.05	KN	000.2	M	5050	50
09-02-70 0840	0.04		0.2	0.00		0.03		0.18				5050	50
09-15-70 0740	0.00					0.00		0.05	KN	000.1	M	5050	50

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	Lab
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
111.01 FEATHER RIVER BELOW STAR BEND													
2-5-70 45	0.06					0.01		0.14	KN	000.1	M	5403	5050
0-70 45	0.06					0.02		0.04	KN	000.2	M	5403	5050
4-70 35	0.05					0.00		0.01	KN	000.1	M	5403	5050
4-70 35	0.07					0.01		0.04	KN	000.2	M	5403	5050
6-70 10	0.11					0.00		0.04	KN	000.2	M	5403	5050
2-70 20	0.33					0.02		0.04	KN	000.2	M	5403	5050
6-70 05	0.7					0.01		0.03	KN	000.2	M	5403	5050
9-70 33	0.05					0.00		0.04	KN	000.1	M	5403	5050
3-70 -	0.05					0.01		0.08	KN	000.2	M	5403	5050
4-70 07	0.11					0.01		0.04	KN	000.3	M	5403	5050
8-70 56	0.04					0.01		0.06	KN	000.2	M	5403	5050
1-70 49	0.00					0.01		0.05	KN	000.2	M	5403	5050
5-70 05	0.02					0.01		0.04	KN	000.2	M	5403	5050
5-70 50	0.02					0.00		0.07	KN	000.2	M	5403	5050
9-70 15	0.01					0.00		0.05	KN	000.1	M	5403	5050
120.00 FEATHER RIVER BELOW SHANGHAI BEND													
3-70 10	0.09					0.01		0.08	KN	000.1	M	5050	5050
0-70 30	0.07					0.01		0.06	KN	000.1	M	5050	5050
7-70 45	0.03					0.01		0.06	KN	000.1	M	5050	5050
7-70 55	0.03					0.01		0.06	KN	000.2	M	5050	5050
4-70 25	0.08					0.00		0.04	KN	000.2	M	5050	5050
1-70 00	0.13					0.03		0.06	KN	000.2	M	5050	5050
5-70 45	0.06					0.01		0.05	KN	000.1	M	5050	5050
9-70 30	0.05					0.00		0.06	KN	000.1	M	5050	5050
3-70 50	0.08					0.01		0.06	KN	000.2	M	5050	5050

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscelloneous Nutrients			Samp	Lc
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
AO 5120.00 FEATHER RIVER BELOW SHANGHAI BEND (Continued)													
06-16-70 0930	0.05					0.01		0.04	KN	000.1	M	5050	50
07-07-70 0900	0.01					0.00		0.06	KN	000.1	M	5050	50
07-21-70 0900	0.03					0.02		0.06	KN	000.2	M	5050	50
08-04-70 1420	0.08					0.00		0.18	KN	000.3	M	5050	50
08-18-70 1100	0.03					0.01		0.06	KN	000.2	M	5050	50
09-01-70 1405	0.09					0.09		0.09	KN	000.3	M	5050	50
09-15-70 0815	0.01					0.00		0.04	KN	000.2	M	5050	50
AO 5125.00 FEATHER RIVER AT SHANGHAI BEND													
03-24-70 1000	0.04					0.01		0.07	KN	000.1	M	5402	50
04-28-70 0940	0.11					0.00		0.06	KN	000.2	M	5402	50
05-12-70 0830	0.22					0.01		0.09	KN	000.2	M	5402	50
05-26-70 0855	0.06					0.01		0.03	KN	000.1	M	5402	50
06-09-70 0900	0.05					0.00		0.05	KN	000.1	M	5402	50
06-23-70 0915	0.05					0.01		0.04	KN	000.2	M	5402	50
07-14-70 0840	0.05					0.01		0.05	KN	000.2	M	5402	50
08-11-70 0850	0.00					0.03		0.04	KN	000.2	M	5402	50
08-25-70 0735	0.02					0.07		0.07	KN	000.2	M	5402	50
09-15-70 0900	0.01					0.00		0.02	KN	000.2	M	5402	50
09-29-70 0920	0.01					0.02		0.12	KN	000.2	M	5402	50
AO 5134.01 FEATHER RIVER ABOVE YUBA RIVER AT YUBA CITY													
02-25-70 1030	0.07					0.01		0.16	KN	000.1	M	5212	50
03-10-70 0950	0.07					0.05		0.07	KN	000.2	M	5212	50
03-24-70 1210	0.03					0.01		0.09	KN	000.2	M	5212	50
04-14-70 0930	0.08					0.01		0.06	KN	000.2	M	5212	50
04-28-70 1315	0.13					0.00		0.08	KN	000.3	M	5212	50

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	Lab
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
34.01 FEATHER RIVER ABOVE YUBA RIVER AT YUBA CITY (Continued)													
-70 1.0	0.26					0.00		0.08	KN	000.2	M	5212	5050
-70 1.0	0.08					0.01		0.08	KN	000.2	M	5212	5050
-70 1.5	0.06					0.01		0.02	KN	000.2	M	5212	5050
-70 1.5	0.04					0.01		0.10	KN	000.2	M	5212	5050
-70	0.00					0.01		0.04	KN	000.4	M	5212	5050
-70 1.5	0.01					0.02		0.08	KN	000.2	M	5212	5050
-70 1.5	0.01					0.00		0.04	KN	000.1	M	5212	5050
36.01 FEATHER RIVER AT YUBA CITY DIVERSION													
-70 1.0	0.08					0.01		0.09	KN	000.1	M	5212	5050
-70 1.5	0.08					0.01		0.06	KN	000.2	M	5212	5050
-70 1.0	0.15					0.02		1.3	KN	000.2	M	5212	5050
-70 0.5	0.11					0.00		0.06	KN	000.2	M	5212	5050
-70 1.5	0.12					0.00		0.08	KN	000.1	M	5212	5050
-70 1.0	0.21					0.01		0.20	KN	000.2	M	5212	5050
-70 1.5	0.10					0.01		0.08	KN	000.1	M	5212	5050
-70 1.0	0.05					0.00		0.03	KN	000.2	M	5212	5050
-70 1.5	0.04					0.00		0.08	KN	000.2	M	5212	5050
-70	0.00					0.00		0.06	KN	000.2	M	5212	5050
-70 1.0	0.02					0.03		0.06	KN	000.2	M	5212	5050
-70 1.5	0.01					0.01		0.06	KN	000.1	M	5212	5050
65.00 FEATHER RIVER NEAR GRIDLEY													
-69 1.0	0.05		0.1	0.00		0.00		0.02				5050	5050
-69 0.5	0.04		0.2	0.04		0.01		0.01				5050	5050
-69 0.5	0.05		0.1	0.00		0.00		0.01				5050	5050

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	L
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
AO 5165.00 FEATHER RIVER NEAR GRIDLEY (Continued)													
01-07-70 1005	0.08		0.1	0.00		0.01		0.02				5050	5C
02-04-70 0910	0.13		0.1	0.03		0.01		0.04				5050	5C
02-26-70 0950	0.07					0.01		0.08	KN	000.1	M	5050	5C
03-04-70 0930	0.08		0.1	0.00		0.01		0.04				5050	5C
03-17-70 0745	0.04					0.00		0.02	KN	000.0	M	5050	5C
04-08-70 0955	0.10		0.2	0.00		0.00		0.00				5050	5C
04-21-70 1320	0.10					0.02		0.02	KN	000.1	M	5050	5C
05-06-70 0935	0.05		0.2	0.00		0.00		0.02				5050	5C
05-19-70 1130	0.03					0.00		0.06	KN	000.1	M	5050	5C
06-03-70 0750	0.09		0.2	0.00		0.00		0.04				5050	5C
06-16-70 1130	0.04					0.00		0.03	KN	000.1	M	5050	5C
07-08-70 0630	0.06		0.08	0.01		0.00		0.06				5050	5C
07-21-70 0720	0.02					0.00		0.03	KN	000.2	M	5050	5C
08-05-70 0640	0.09		0.2	0.00		0.00		0.08				5050	5C
08-18-70 0950	0.04					0.00		0.04	KN	000.2	M	5050	5C
09-02-70 0815	0.04		0.1	0.00		0.02		0.11				5050	5C
09-15-70 0950	0.01					0.00		0.07	KN	000.2	M	5050	5C
AO 5660.00 JACK SLOUGH AT MARYSVILLE													
02-26-70 1056	0.42					0.04		0.22	KN	000.5	M	5401	5C
03-10-70 1128	0.20					0.06		0.22	KN	001.3	M	5401	5C
03-24-70 0844	0.13					0.07		0.10	KN	000.4	M	5401	5C
04-14-70 0841	0.09					0.06		0.15	KN	000.5	M	5401	5
04-28-70 1011	0.39					0.02		0.11	KN	000.8	M	5401	5
05-12-70 1025	0.28					0.05		0.13	KN	000.5	M	5401	5
05-26-70 0848	0.13					0.04		0.14	KN	000.6	M	5401	5

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	Lab
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
0660.00 JACK SLOUGH AT MARYSVILLE (Continued)													
09-70 047	0.08					0.02		0.12	KN	000.3	M	5401	5050
3-70 44	0.14					0.10		0.17	KN	000.6	M	5401	5050
4-70 35	0.07					0.02		0.09	KN	000.5	M	5401	5050
8-70 26	0.05					0.02		0.11	KN	000.3	M	5401	5050
1-70 04	0.06					0.05		0.06	KN	000.3	M	5401	5050
5-70 15	0.02					0.02		0.06	KN	000.3	M	5401	5050
9-70 15	0.04					0.04		0.08	KN	000.2	M	5401	5050
710.01 NORTH HONCUT CREEK AT HIGHWAY 70													
6-70 05	0.16					0.01		0.07	KN	000.3	M	5401	5050
0-70 57	0.24					0.01		0.06	KN	000.4	M	5401	5050
4-70 14	0.10					0.00		0.00	KN	000.2	M	5401	5050
4-70 25	0.10					0.01		0.03	KN	000.3	M	5401	5050
8-70 30	0.07					0.00		0.01	KN	000.3	M	5401	5050
2-70 54	0.36					0.02		0.07	KN	000.3	M	5401	5050
6-70 21	0.05					0.03		0.17	KN	000.3	M	5401	5050
9-70 10	0.04					0.00		0.11	KN	000.2	M	5401	5050
3-70 14	0.02					0.00		0.05	KN	000.3	M	5401	5050
4-70 18	0.05					0.02		0.18	KN	000.5	M	5401	5050
8-70 49	0.14					0.02		0.14	KN	000.4	M	5401	5050
1-70 34	0.78					0.02		0.06	KN	000.4	M	5401	5050
5-70 42	0.06					0.02		0.25	KN	000.5	M	5401	5050
120.00 YUBA RIVER AT MARYSVILLE													
5-70 30	0.06					0.00		0.04	KN	000.1	M	5213	5050
0-70 50	0.04					0.01		0.03	KN	000.1	M	5213	5050
4-70 05	0.47					0.01		0.03	KN	000.1	M	5213	5050

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Somp	Lc
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
AO 6120.00 YUBA RIVER AT MARYSVILLE (Continued)													
04-14-70 0905	0.03					0.01		0.01	KN	000.0	M	5213	50
04-28-70 0825	0.04					0.00		0.02	KN	000.1	M	5213	50
05-12-70 1020	0.15					0.00		0.04	KN	000.1	M	5213	50
05-26-70 1030	0.01					0.00		0.00	KN	000.0	M	5213	50
06-09-70 1000	0.06					0.00		0.02	KN	000.0	M	5213	50
06-23-70 1030	0.03					0.00		0.01	KN	000.1	M	5213	50
07-14-70 0750	0.13					0.02		0.02	KN	000.1	M	5213	50
08-11-70 0950	0.00					0.08		0.08	KN	000.1	M	5213	50
08-25-70 0825	0.01					0.00		0.01	KN	000.1	M	5213	50
09-15-70 0825	0.01					0.00		0.01	KN	000.2	M	5213	50
09-29-70 0810	0.02					0.01		0.04	KN	000.0	M	5213	50
AO 6150.00 YUBA RIVER NEAR MARYSVILLE													
02-26-70 1150	0.06					0.01		0.06	KN	000.1	M	5402	50
03-10-70 1315	0.03					0.01		0.03	KN	000.0	M	5402	50
03-24-70 1325	0.15					0.00		0.01	KN	000.0	M	5402	50
04-14-70 1430	0.02					0.00		0.01	KN	000.1	M	5402	50
04-28-70 1305	0.03					0.00		0.09	KN	000.1	M	5402	50
05-12-70 1020	0.11					0.00		0.00	KN	000.1	M	5402	50
05-26-70 1035	0.01					0.01		0.01	KN	000.0	M	5402	50
06-09-70 1110	0.03					0.00		0.01	KN	000.0	M	5402	50
06-23-70 --	0.02					0.00		0.01	KN	000.1	M	5402	50
07-14-70 1045	0.15					0.00		0.00	KN	000.1	M	5402	50
07-28-70 1015	0.01					0.00		0.06	KN	000.1	M	5402	50
08-11-70 1005	0.00					0.09		0.09	KN	000.1	M	5402	50

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	Lob
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
150.00 YUBA RIVER NEAR MARYSVILLE (Continued)													
5-70 40	0.01					0.01		0.05	KN	000.1	M	5402	5050
9-70 45	0.02					0.00		0.06	KN	000.0	M	5402	5050
512.01 BEAR RIVER NEAR RIO OSO													
6-70 30	0.11					0.02		0.14	KN	000.2	M	5050	5050
7-70 45	0.03					0.01		0.04	KN	000.2	M	5050	5050
8-70 35	0.04					0.02		0.02	KN	000.2	M	5050	5050
1-70 00	0.08					0.02		0.06	KN	000.2	M	5050	5050
5-70 55	0.04					0.10		0.23	KN	000.6	M	5050	5050
9-70 10	0.03					0.00		0.07	KN	000.3	M	5050	5050
3-70 20	0.04					0.02		0.07	KN	000.4	M	5050	5050
6-70 45	0.02					0.01		0.11	KN	000.4	M	5050	5050
7-70 30	0.00					0.03		0.12	KN	000.7	M	5050	5050
1-70 00	0.03					0.01		0.10	KN	000.5	M	5050	5050
4-70 00	0.09					0.00		0.13	KN	000.7	M	5050	5050
1-70 10	0.10					0.11		0.32	KN	000.8	M	5050	5050
5-70 30	0.01					0.00		0.06	KN	000.4	M	5050	5050
A0 535.01 BEAR RIVER AT FORTY MILE ROAD NEAR WHEATLAND													
0-70 10	0.08					0.01		0.03	KN	000.1	M	5405	5050
4-70 30	0.03					0.00		0.01	KN	000.2	M	5405	5050
4-70 05	0.07					0.00		0.01	KN	000.1	M	5405	5050
8-70 30	0.10					0.00		0.01	KN	000.3	M	5405	5050
2-70 00	0.08					0.00		0.09	KN	000.2	M	5405	5050
6-70 00	0.03					0.00		0.01	KN	000.1	M	5405	5050
9-70 30	0.03					0.00		0.02	KN	000.0	M	5405	5050
3-70 05	0.02					0.00		0.02	KN	000.1	M	5405	5050

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	Lat
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
AO 6535.01 BEAR RIVER AT FORTY MILE ROAD NEAR WHEATLAND (Continued)													
07-14-70 1100	0.16					0.01		0.03	KN	000.2	M	5405	505
08-25-70 1400	0.06					0.01		0.04	KN	000.2	M	5405	505
AO 6550.00 BEAR RIVER NEAR WHEATLAND													
02-26-70 1430	0.09					0.01		0.08	KN	000.1	M	5405	505
03-10-70 1320	0.08					0.08		0.08	KN	000.1	M	5405	505
03-24-70 1000	0.03					0.00		0.00	KN	000.2	M	5405	505
04-14-70 1035	0.09					0.00		0.00	KN	000.1	M	5405	505
04-28-70 1000	0.15					0.00		0.02	KN	000.2	M	5405	505
05-12-70 1130	0.19					0.00		0.04	KN	000.2	M	5405	505
05-26-70 1030	0.02					0.00		0.02	KN	000.1	M	5405	505
06-09-70 1000	0.02					0.00		0.02	KN	000.1	M	5405	505
06-23-70 1030	0.01					0.00		0.01	KN	000.2	M	5405	505
07-14-70 1030	0.20					0.00		0.01	KN	000.2	M	5405	505
07-28-70 1300	0.02					0.01		0.03	KN	000.6	M	5405	505
08-11-70 1315	0.00					0.00		0.02	KN	000.1	M	5405	505
09-29-70 1330	0.01					0.00		0.09	KN	000.1	M	5405	505
AO 6620.01 DRY CREEK AT FORTY MILE ROAD NEAR RIO OSO													
03-10-70 1420	0.21					0.00		0.02	KN	000.3	M	5405	505
03-24-70 1045	0.46					0.04		0.04	KN	000.2	M	5405	505
04-14-70 1125	0.36					0.12		0.21	KN	001.3	M	5405	505
04-28-70 1105	0.08					0.01		0.06	KN	000.4	M	5405	505
05-12-70 1415	0.17					0.06		0.21	KN	000.7	M	5405	505
05-26-70 1115	0.05					0.18		0.34	KN	001.3	M	5405	505
06-09-70 1100	0.06					0.34		0.54	KN	001.3	M	5405	505
06-23-70 1130	0.04					0.21		0.40	KN	001.3	M	5405	505

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscelloneous Nutrients			Samp	Lab
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
AO 7140.10 AMERICAN RIVER AT SACRAMENTO WATER PLANT AT SACRAMENTO													
10-27-69 0915	0.07					0.02						5050	5050
AO 7180.00 AMERICAN RIVER BELOW NIMBUS DAM													
10-27-69 0730	0.06					0.01						5050	5050
AO X 846.8 136.2 NATOMAS CROSS CANAL AT VERONA													
10-07-69 0910	0.05					0.05		0.11	KN	000.4	M	5050	5050
10-21-69 0930	0.18					0.05		0.13	KN	000.5	M	5050	5050
11-04-69 0930	0.11					0.05		0.40	KN	000.3	M	5050	5050
12-02-69 1025	0.18					0.09		0.13	KN	000.1	M	5050	5050
12-16-69 1145	0.14					0.01		0.05	KN	000.2	M	5050	5050
01-06-70 1045	0.51					0.08		0.15	KN	000.4	M	5050	5050
01-20-70 1230	0.50					0.11		0.21	KN	000.8	M	5050	5050
02-17-70 1030	0.52					0.16		0.35	KN	000.9	M	5050	5050
03-03-70 1020	0.41					0.05		0.16	KN	000.5	M	5050	5050
03-17-70 1100	0.34					0.05		0.11	KN	000.5	M	5050	5050
04-07-70 0950	0.20					0.10		0.17	KN	000.6	M	5050	5050
05-19-70 1500	0.14					0.10		0.32	KN	000.9	M	5050	5050
A2 1010.00 SACRAMENTO RIVER AT KESWICK													
10-07-69 0645	0.08				0.0	0.02		0.02				5050	5050
10-21-69 0820	0.08				0.1	0.02		0.03				5050	5050
11-04-69 0740	0.10				0.1	0.03		0.03				5050	5050
12-02-69 0930	0.10				0.2	0.03		0.04				5050	5050
01-06-70 0825	0.08				0.0	0.02		0.04				5050	5050
02-03-70 0920	0.15				0.2	0.01		0.09				5050	5050
02-17-70 0930	0.08				0.2	0.01		0.11				5050	5050
03-03-70 0910	0.11				0.1	0.00		0.05				5050	5050

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	Lo
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
A2 1010.00 SACRAMENTO RIVER AT KESWICK (Continued)													
04-07-70 0835	0.04			0.1		0.00		0.01				5050	505
04-21-70 0850	0.11			0.1		0.01		0.02				5050	505
05-05-70 0900	0.09			0.1		0.01		0.07				5050	505
06-03-70 0835	0.12			0.1		0.00		0.03				5050	505
06-15-70 0805	0.06			0.2		0.01		0.03				5050	505
07-14-70 0805	0.09			0.2		0.01		0.09				5050	505
08-19-70 0900	0.08			0.2		0.01		0.04				5050	505
09-08-70 0930	0.05			0.1		0.01		0.04				5050	505
A3 1110.00 STONY CREEK BELOW BLACK BUTTE DAM													
11-05-69 --						0.01						5050	505
01-07-70 --						0.02						5050	505
03-04-70 --						0.04						5050	505
05-06-70 --						0.00						5050	505
07-02-70 --						0.00						5050	505
09-03-70 --						0.02						5050	505
A3 1250.00 STONY CREEK NEAR FRUTO													
10-01-69 1145						0.01						5050	505
11-05-69 --						0.01						5050	505
12-10-69 1110						0.00						5050	505
01-07-70 --						0.02						5050	505
02-05-70 1220						0.03						5050	505
03-04-70 --						0.02						5050	505
04-03-70 1305						0.01						5050	505
05-06-70 --						0.00						5050	505
06-05-70 1100	0.00					0.01						5050	505

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	Lab
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
1250.00 STONY CREEK NEAR FRUTO (Continued)													
-02-70 0930						0.00						5050	5050
-07-70 0845						0.00						5050	5050
-03-70 1245						0.02						5050	5050
1302.00 GRINDSTONE CREEK NEAR ELK CREEK													
-05-69 1005						0.00						5050	5050
-07-70 0925						0.02						5050	5050
-04-70 0950						0.02						5050	5050
-06-70 0925						0.02						5050	5050
-02-70 0900						0.00						5050	5050
-03-70 1200						0.02						5050	5050
2120.00 THOMES CREEK AT PASKENTA													
-01-69 0930						0.00						5050	5050
-12-69 1040						0.00						5050	5050
-01-69 1250						0.01						5050	5050
-05-70 1230						0.01						5050	5050
-05-70 1045						0.02						5050	5050
-06-70 1120						0.02						5050	5050
-03-70 1130						0.01						5050	5050
-06-70 1020						0.01						5050	5050
-05-70 0930	0.00					0.02						5050	5050
-02-70 1015						0.00						5050	5050
-07-70 1015						0.00						5050	5050
-03-70 1115						0.02						5050	5050

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	La
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
A5 R 010.8 036.3 ANTELOPE LAKE AT EAST END OF DAM													
10-08-69 0815	0.03		0.6	0.00		0.00		0.03				5050	50
05-06-70 1230	0.01		0.3	0.07		0.01		0.04				5050	50
09-23-70 1325	0.01		0.7	0.04		0.00		0.10				5050	50
A5 R 011.3 034.1 ANTELOPE LAKE AT ANTELOPE CREEK BRIDGE													
10-08-69 0925	0.03		0.6	0.00		0.00		0.06				5050	50
05-06-70 1305	0.03		0.5	0.04		0.01		0.08				5050	50
09-23-70 1350	0.00		0.8	0.02		0.02		0.20				5050	50
A5 R 011.7 036.5 ANTELOPE LAKE AT LONE ROCK CAMPGROUND													
10-08-69 0850	0.02		0.5	0.00		0.00		0.05				5050	50
05-06-70 1345	0.05		0.3	0.01		0.01		0.03				5050	50
09-23-70 1425	0.00		0.7	0.12		0.02		0.10				5050	50
A5 R 932.7 128.5 LAKE OROVILLE NEAR OROVILLE DAM (STATION 1)													
10-21-69 1250	0.01		0.1	0.00		0.00		0.01				5050	50
01-27-70 1115	0.07		0.1	0.00		0.00		0.04				5050	50
A5 R 933.1 125.7 LAKE OROVILLE AT BIDWELL BAR BRIDGE (STATION 3)													
10-21-69 1115	0.00		0.1	0.01		0.00		0.01				5050	50
01-27-70 1230	0.05		0.1	0.00		0.00		0.03				5050	50
A5 R 937.0 129.3 LAKE OROVILLE IN NORTH FORK ARM (STATION 2)													
10-21-69 0815	0.00		0.1	0.00		0.00		0.01				5050	50
01-27-70 0920	0.08		0.1	0.00		0.00		0.03				5050	50
A5 R 953.0 028.4 LAKE DAVIS AT NORTHEAST END OF DAM													
10-07-69 1120	0.02		0.3	0.01		0.00		0.02				5050	50
05-06-70 1005	0.02		0.3	0.02		0.00		0.02				5050	50

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	Lab
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
R 953.0 028.6 LAKE DAVIS NEAR DAM													
-26-70 1400 Foot)	0.00					0.00		0.01	KN	000.3	M	5050	5050
-26-70 1430 Feet)	0.00					0.00		0.02	KN	000.3	M	5050	5050
-26-70 1500 Feet)	0.01					0.01		0.04	KN	000.4	M	5050	5050
-24-70 0810 Feet)	0.02					0.01		0.01	KN	000.3	M	5050	5050
-24-70 0845 Feet)	0.04					0.02		0.06	KN	000.6	M	5050	5050
-21-70 1135 Foot)	0.04					0.01		0.03	KN	000.6	M	5050	5050
-25-70 1705 Foot)	0.00					0.01		0.02	KN	000.7	M	5050	5050
-22-70 1445 Foot)	0.04					0.07		0.07	KN	000.6	M	5050	5050
R 953.6 011.4 FRENCHMAN LAKE AT WEST END OF DAM													
-07-69 0750	0.02			0.3	0.00	0.00		0.02				5050	5050
-06-70 0705	0.02			0.4	0.00	0.01		0.04				5050	5050
-23-70 0850	0.00			0.4	0.00	0.02		0.11				5050	5050
R 954.9 010.9 FRENCHMAN LAKE AT CRYSTAL SPRINGS CAMPGROUND													
-07-69 0830	0.02			0.3	0.00	0.00		0.02				5050	5050
-06-70 0740	0.05			0.3	0.07	0.01		0.02				5050	5050
-23-70 0920	0.03			0.4	0.00	0.02		0.12				5050	5050
R 954.9 030.3 LAKE DAVIS, MIDLAKE													
-21-70 0930 ottom)			1480*		176*			418*				5050	5050
-26-70 1035 Foot)	0.00					0.00		0.00	KN	000.2	M	5050	5050
-26-70 1055 Feet)	0.01					0.00		0.01	KN	000.4	M	5050	5050

*Bottom samples. Value shown is in milligrams per kilogram.

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	La
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
A5 R 954.9 030.3 LAKE DAVIS, MIDLAKE (Continued)													
06-24-70 1015 (38 Feet)	0.03					0.02		0.08	KN	000.4	M	5050	505
06-24-70 1040 (5 Feet)	0.02					0.01		0.01	KN	000.3	M	5050	505
07-21-70 1315 (1 Foot)	0.04					0.00		0.03	KN	000.6	M	5050	505
08-25-70 1335 (1 Foot)	0.00					0.02		0.02	KN	000.7	M	5050	505
08-25-70 1455 (36 Feet)	0.14					0.13		0.28	KN	001.3	M	5050	505
09-22-70 1300 (1 Foot)	0.04					0.08		0.08	KN	000.6	M	5050	505
09-22-70 1310 (40 Feet)	0.06					0.10		0.10	KN	000.8	M	5050	505
A5 R 954.9 032.1 LAKE DAVIS IN COW CREEK CHANNEL													
06-24-70 1125	0.04					0.01		0.05	KN	000.3	M	5050	505
A5 R 955.3 033.0 LAKE DAVIS IN FREEMAN CREEK CHANNEL													
06-24-70 1230	0.03					0.01		0.02	KN	000.2	M	5050	505
A5 R 955.7 033.7 LAKE DAVIS IN GRIZZLY CREEK CHANNEL													
06-24-70 1400	0.04					0.02		0.04	KN	000.3	M	5050	505
A5 R 955.8 030.4 LAKE DAVIS OPPOSITE MT. NICHOLS LOGGING ROAD													
10-07-69 1255	0.02		0.4	0.00		0.00		0.09				5050	505
A5 R 955.9 031.3 LAKE DAVIS NEAR NORTH END													
05-21-70 1430 (Bottom)			3210*	192*				443*				5050	505
05-26-70 0800 (1 Foot)	0.00					0.00		0.01	KN	000.3	M	5050	505
05-26-70 0805 (13 Feet)	0.01					0.00		0.00	KN	000.3	M	5050	505
06-24-70 1500 (1 Foot)	0.02					0.01		0.01	KN	000.3	M	5050	505

*Bottom sample. Values shown in milligrams per kilogram.

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

ate ime	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	Lab
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
A R 955.9 031.3 LAKE DAVIS NEAR NORTH END (Continued)													
0 21-70 820 (Foot)	0.05					0.00		0.03	KN	000.6	M	5050	5050
0 21-70 900 (1 Feet)	0.04					0.00		0.04	KN	000.8	M	5050	5050
0 25-70 930 (Foot)	0.00					0.00		0.01	KN	000.8	M	5050	5050
0 25-70 950 (1 Feet)	0.00					0.02		0.03	KN	000.7	M	5050	5050
0 22-70 145 (Foot)	0.06					0.08		0.08	KN	000.6	M	5050	5050
0 22-70 200 (1 Feet)	0.06					0.06		0.07	KN	000.5	M	5050	5050
A R 956.1 031.3 LAKE DAVIS AT VALLEY VISTA RECREATION AREA													
0 06-70 930	0.02		0.4	0.05		0.00		0.01				5050	5050
A R 956.9 012.3 FRENCHMAN LAKE NEAR UPPER END													
1 07-69 900	0.02		0.6	0.00		0.00		0.04				5050	5050
0 06-70 805	0.02		0.3	0.02		0.01		0.04				5050	5050
0 23-70 955	0.00		0.4	0.01		0.00		0.06				5050	5050
A 3280.00 AMERICAN RIVER, NF OF MF, NEAR FORESTHILL													
1 22-69 415	0.00					0.00						5050	5050
A 4170.00 AMERICAN RIVER, SOUTH FORK, AT COLOMA													
1 22-69 300	0.07					0.00						5050	5050
A 4580.01 AMERICAN RIVER, SILVER FORK OF SOUTH FORK, AT MOUTH													
1 23-69 430	0.02					0.00						5050	5050
A 5050.01 RUBICON RIVER BELOW RALSTON POWERHOUSE NEAR FORESTHILL													
1 22-69 515	0.02					0.00						5050	5050
A 1250.00 BEAR CREEK NEAR RUMSEY													
1 09-69 920						0.00						5050	5050
1 06-69 115						0.00						5050	5050
1 04-69 245	6.77					0.00						5050	5050

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscelloneous Nutrients			Samp	Lab
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
A8 1250.00 BEAR CREEK NEAR RUMSEY (Continued)													
01-08-70 1505						0.04						5050	505
02-05-70 1125						0.02						5050	505
03-12-70 1230						0.00						5050	505
04-09-70 1105						0.02						5050	505
05-14-70 1310						0.01						5050	505
06-11-70 1000	0.65					0.00						5050	505
07-09-70 1045						0.02						5050	505
09-17-70 1015						0.01						5050	505
A8 1350.00 CACHE CREEK NEAR LOWER LAKE													
10-09-69 0740						0.02						5050	505
12-04-69 1010						0.01						5050	505
01-08-70 1350						0.00						5050	505
02-05-70 0940						0.04						5050	505
03-12-70 1040						0.03						5050	505
04-09-70 0935						0.01						5050	505
05-14-70 1145						0.00						5050	505
06-11-70 0800						0.00						5050	505
07-09-70 0930						0.10						5050	505
08-12-70 1440						0.03						5050	505
09-17-70 0820						0.00						5050	505
A8 L 857.0 239.6 CLEAR LAKE NEAR CLEARLAKE HIGHLANDS													
11-06-69 0915						0.03						5050	505
12-04-69 1100						0.03						5050	505

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	Lab
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
L 902.7 254.7 CLEAR LAKE AT LAKEPORT													
-08-69 1405						0.16						5050	5050
-06-69 0800						0.14						5050	5050
-04-69 0850						0.14						5050	5050
-08-70 1300						0.05						5050	5050
-05-70 0835						0.07						5050	5050
-12-70 0935						0.05						5050	5050
-09-70 0840						0.04						5050	5050
-14-70 1030						0.00						5050	5050
-11-70 0630						0.01						5050	5050
-09-70 0800						0.06						5050	5050
-12-70 1300						0.27						5050	5050
-17-70 0725						0.37						5050	5050
7020.00 SAN JOAQUIN RIVER NEAR VERNALIS													
-17-70 1215	1.00		0.38	<0.08		0.06		0.07				5001	5006
-16-70 1225	0.40		0.95	<0.005		0.06			PO_4	00.74	M	5001	5006
-10-70 0910	0.90		1.60	<0.08		0.07		0.13				5001	5006
-16-70 0530	1.2								KN	001.3	M	5050	5050
D 747.2 118.4 SAN JOAQUIN RIVER AT MOSSDALE BRIDGE													
-16-70 0620	1.0								KN	001.2	M	5050	5050
-28-70 0600	1.2								KN	001.1	M	5050	5050
D 748.3 126.9 OLD RIVER AT TRACY ROAD BRIDGE													
-22-69 1400	0.80		0.72	0.16		0.09		0.11				5001	5006
-13-70 1345	0.70		1.50	0.17		0.08		0.11				5001	5006
-22-70 1330	0.80		1.30	<0.08		0.03		0.15				5001	5006
-09-70 1210	<0.10		0.95	<0.08		0.06		0.13				5001	5006

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	L
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
B9 D 748.3 126.9 OLD RIVER AT TRACY ROAD BRIDGE													
09-17-70 0635	0.77								KN	002.1	M	5001	50
09-21-70 0600	0.23								KN	001.5	M	5001	50
09-28-70 0630	0.95								KN	001.4	M	5001	50
B9 D 748.5 120.0 OLD RIVER BELOW HEAD													
09-16-70 0710	1.0								KN	001.7	M	5001	50
09-21-70 0750	0.27								KN	001.4	M	5001	50
09-28-70 0810	1.2								KN	001.2	M	5001	50
B9 D 749.3 122.5 OLD RIVER AT JUNCTION OF MIDDLE RIVER													
09-17-70 0820	1.0								KN	002.2	M	5001	50
09-21-70 0650	0.22								KN	001.8	M	5001	50
09-28-70 0710	1.2								KN	001.1	M	5001	50
B9 D 751.9 119.3 SAN JOAQUIN RIVER AT BRANDT BRIDGE													
09-16-70 0705	0.53								KN	001.4	M	5050	50
09-28-70 0635	0.86								KN	001.4	M	5050	50
B9 D 752.6 122.9 MIDDLE RIVER AT WILLIAMS BRIDGE NEAR HOLT													
10-22-69 1320	0.70		0.30	<0.08		0.08		0.10				5001	56
01-13-70 1305	0.70		1.60	0.10		0.06		0.09				5001	56
04-22-70 1250	0.50		1.00	<0.08		0.08		0.12				5001	56
07-09-70 1120	0.30		0.85	<0.08		0.05		0.09				5001	56
B9 D 753.5 129.3 MIDDLE RIVER AT BORDEN HIGHWAY													
10-22-69 1230	0.50		0.62	0.12		0.05		0.07				5001	56
01-13-70 1230	1.20		2.30	0.10		0.07		0.09				5001	56
04-22-70 1215	0.20		0.70	<0.08		0.06		0.08				5001	56
07-09-70 1035	0.20		0.58	<0.08		0.06		0.09				5001	56

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	Lab
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
B9 D 756.1 125.8 WHISKY SLOUGH AT HOLT													
10-22-69 1130	1.00		0.47	0.09		0.04		0.07				5001	5006
01-13-70 1055	4.00		2.40	0.15		0.03		0.06				5001	5006
04-22-70 1145	<0.10		0.70	<0.08		0.01		0.04				5001	5006
07-09-70 0955	<0.10		0.95	0.12		0.02		0.06				5001	5006
B9 D 757.8 121.9 STOCKTON SHIP CHANNEL AT BURNS CUTOFF													
09-16-70 0840	1.1								KN	001.2	M	5050	5050
09-28-70 0725	1.1								KN	001.3	M	5050	5050
B9 D 758.7 122.9 SAN JOAQUIN RIVER AT BUCKLEY COVE													
10-22-69 1020	1.00		0.45	0.12		0.16		0.17				5001	5006
01-13-70 0955	0.90		1.10	<0.08		0.15		0.17				5001	5006
04-21-70 1430	1.00		1.10	<0.08		0.39		1.24				5001	5006
07-08-70 1315	0.20		0.73	<0.08		0.09		0.15				5001	5006
B9 D 759.9 126.6 SAN JOAQUIN RIVER AT LIGHT 24													
09-16-70 0930	0.52								KN	000.6	M	5050	5050
09-28-70 0825	0.86								KN	00.62	M	5050	5050
B9 D 800.5 134.8 OLD RIVER AT HOLLAND TRACT													
03-17-70 1345	0.80		0.57	<0.08		0.06		0.07				5001	5006
06-16-70 1555	0.10		0.50	<0.005		0.05			PO_4	00.62	M	5001	5006
09-11-70 1700	<0.10		0.92	<0.08		0.06		0.08				5001	5006
B9 D 800.7 138.4 DUTCH SLOUGH AT BETHEL ISLAND BRIDGE													
03-17-70 1430	0.80		0.51	<0.08		0.06		0.08				5001	5006
06-16-70 1500	<0.05		0.50	<0.005		0.05			PO_4	00.49	M	5001	5006
09-11-70 1600	0.10		0.87	<0.08		0.08		0.09				5001	5006

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	Lab
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
B9 D 801.1 142.6 BIG BREAK NEAR OAKLEY													
10-20-69 1250	0.20		0.39	<0.005		0.07			DON PO_4	00.19 00.21	M M	5001	5006
11-20-69 1535	0.10		0.06	0.02		0.04			DON PO_4	00.01 00.34	MY M	5001	5006
02-11-70 1055	0.50		0.39	<0.005		0.06			DON PO_4	00.32 00.42	M M	5001	5006
03-16-70 1330	0.68		0.64	0.02		0.07			DON PO_4	00.25 00.36	M M	5001	5006
04-16-70 1420	0.29		0.55	<0.005		0.06			DON PO_4	00.55 00.38	M M	5001	5006
05-18-70 1655	0.05		0.41	<0.005		0.09			DON PO_4	00.39 00.30	M M	5001	5006
06-15-70 1645	0.05		0.40	<0.005		0.06			DON PO_4	00.39 00.51	M M	5001	5006
07-15-70 1655	0.11		0.47	<0.005		0.13			DON PO_4	00.15 00.94	M M	5001	5006
08-13-70 1630	0.11		0.49	0.01		0.10			DON PO_4	00.13 00.46	M M	5001	5006
09-09-70 1505	0.05		0.29	<0.005		0.08			DON PO_4	00.25 00.47	M M	5001	5006
B9 D 801.2 148.5 SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL													
10-20-69 1145	0.10		0.24	<0.005		0.07			DON PO_4	00.05 00.21	M M	5001	5006
11-21 69 1240	0.20		0.08	0.02		0.05			DON PO_4	00.01 00.53	MY M	5001	5006
02-12-70 0920	0.30		0.27	0.02		0.06			DON PO_4	00.26 00.45	M M	5001	5006
03-19-70 1530	0.41		0.21	0.02		0.06			DON PO_4	00.21 00.31	M M	5001	5006
04-16-70 1350	0.32		0.59	0.01		0.06			DON PO_4	00.59 00.38	M M	5001	5006
05-18-70 1625	0.05		0.39	0.01		0.08			DON PO_4	00.19 00.39	M M	5001	5006
06-15-70 1605	<0.05		0.42	0.02		0.06			DON PO_4	00.35 00.46	M M	5001	5006
07-15-70 1620	0.09		0.53	<0.005		0.09			DON PO_4	00.02 00.83	M M	5001	5006
08-13-70 1555	0.11		0.55	0.03		0.09			DON PO_4	00.13 00.54	M M	5001	5006
09-09-70 1420	0.02		<0.01	<0.005		0.07			DON PO_4	00.01 00.58	MY M	5001	5006

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	Lab
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
9 D 801.6 145.2 SAN JOAQUIN RIVER AT ANTIOCH BRIDGE (AT LIGHT 12)													
0-20-69 1220	0.20		0.37	<0.005		0.07			DON PO_4	00.06 00.21	M M	5001	5006
1-21-69 1340	0.10		0.02	0.02		0.05			DON PO_4	00.02 00.38	M M	5001	5006
2-11-70 1030	0.40		0.45	<0.005		0.05			DON PO_4	00.32 00.45	M M	5001	5006
3-16-70 1245	0.29		0.16	<0.005		0.05			DON PO_4	00.10 00.25	M M	5001	5006
4-15-70 1215	0.34		0.73	0.01		0.08			DON PO_4	00.73 00.51	M M	5001	5006
5-20-70 1840	<0.05		0.37	0.01		0.08			DON PO_4	00.21 00.29	M M	5001	5006
6-17-70 1725	0.05		0.43	0.02		0.06			DON PO_4	00.43 00.52	M M	5001	5006
7-16-70 1745	0.09		0.45	0.02		0.08			DON PO_4	00.27 00.79	M M	5001	5006
8-14-70 1655	0.09		0.55	<0.005		0.09			DON PO_4	00.26 00.46	M M	5001	5006
9-11-70 1600	<0.005		0.17	<0.05		0.08			DON PO_4	00.01 00.55	MY M	5001	5006
9 D 801.9 151.4 NEW YORK SLOUGH NEAR PITTSBURG POINT													
3-19-70 1510	0.50		0.13	<0.08		0.04		0.05				5001	5006
6-17-70 1700	0.10		0.18	<0.005		0.05			PO_4	00.47	M	5001	5006
9-11-70 1530	0.20		0.34	<0.08		0.08		0.08				5001	5006
9 D 802.6 136.8 FRANKS TRACT NEAR RUSSOS LANDING													
0-20-69 1615	0.20		0.20	0.01		0.07			DON PO_4	00.10 00.21	M M	5001	5006
1-24-69 1645	0.20		0.03	0.05		0.05			DON PO_4	00.03 00.29	M M	5001	5006
2-11-70 1300	0.50		0.39	0.02		0.06			DON PO_4	00.39 00.35	M M	5001	5006
3-16-70 1500	0.52		0.29	0.03		0.06			DON PO_4	00.28 00.33	M M	5001	5006
4-16-70 1515	0.34		0.54	0.01		0.07			DON PO_4	00.54 00.37	M M	5001	5006
5-18-70 1750	0.05		0.46	<0.005		0.08			DON PO_4	00.24 00.36	M M	5001	5006
6-15-70 1745	0.07		0.35	0.02		0.10			DON PO_4	00.29 00.45	M M	5001	5006

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	Lab
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
B9 D 802.6 136.8 FRANKS TRACT NEAR RUSSOS LANDING (Continued)													
07-15-70 1745	0.23		0.44	<0.005		0.12			DON PO_4	00.01 00.80	MY M	5001	5006
08-13-70 1810	0.11		0.53	<0.005		0.09			DON PO_4	00.46 00.44	M M	5001	5006
09-09-70 1600	<0.005		<0.01	<0.05		0.08			DON PO_4	00.01 00.40	MY M	5001	5006
B9 D 802.6 147.6 SHERMAN LAKE NEAR ANTIOCH													
10-20-69 1100	0.10		0.36	<0.005		0.07			DON PO_4	00.09 00.24	M M	5001	5006
11-21-69 1310	0.20		0.02	0.02		0.06			DON PO_4	00.01 00.36	MY M	5001	5006
02-12-70 0945	0.20		0.31	<0.005		0.05			DON PO_4	00.31 00.45	M M	5001	5006
3-20-70 1415	0.29		0.32	0.02		0.05			DON PO_4	00.11 00.33	M M	5001	5006
04-17-70 1335	0.32		0.54	0.01		0.06			DON PO_4	00.49 00.48	M M	5001	5006
05-19-70 1700	0.20		0.42	<0.005		0.09			DON PO_4	00.39 00.43	M M	5001	5006
06-16-70 1525	0.07		0.40	<0.005		0.07			DON PO_4	00.31 00.49	M M	5001	5006
07-14-70 1415	0.07		0.69	<0.005		0.07			DON PO_4	00.27 00.69	M M	5001	5006
08-12-70 1400	0.16		0.66	<0.005		0.10			DON PO_4	00.26 00.54	M M	5001	5006
09-10-70 1425	0.05		0.17	<0.005		0.08			DON PO_4	00.01 00.48	MY M	5001	5006
B9 D 802.7 123.3 DISAPPOINTMENT SLOUGH NEAR LODI													
10-23-69 1415	0.20		0.34	0.10		0.05		0.10				5001	5006
01-12-70 0845	2.00		1.80	0.15		0.18		0.23				5001	5006
04-21-70 1300	0.10		1.20	<0.08		0.10		0.18				5001	5006
07-08-70 1145	0.30		0.85	<0.08		0.11		0.16				5001	5006
B9 D 803.1 141.3 SAN JOAQUIN RIVER AT JERSEY POINT													
10-20-69 1325	0.20		0.26	<0.005		0.07			DON PO_4	00.20 00.23	M M	5001	5006
11-24-69 1430	0.20		<0.01	0.02		0.05			DON PO_4	00.01 00.33	MY M	5001	5006

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	Lab
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
.9 D 803.1 141.3 SAN JOAQUIN RIVER AT JERSEY POINT (Continued)													
2-11-70 1120	0.40		0.39	<0.005		0.07			DON PO_4	00.36 00.32	M M	5001	5006
3-19-70 1615	0.47		0.30	0.02		0.05			DON PO_4	00.16 00.31	M M	5001	5006
4-10-70 1430	0.36		0.58	0.01		0.07			DON PO_4	00.58 00.41	M M	5001	5006
4-16-70 1450	0.29		0.64	<0.005		0.06			DON PO_4	00.64 00.33	M M	5001	5006
4-24-70 1235	0.27		0.59	0.01		0.08			DON PO_4	00.59 00.45	M M	5001	5006
5-01-70 1230	0.30		0.54	<0.005		0.09			DON PO_4	00.43 00.36	M M	5001	5006
5-07-70 1320	0.10		1.20	0.01		0.06			DON PO_4	00.31 00.47	M M	5001	5006
5-14-70 1200	0.10		0.53	<0.005		0.09			DON PO_4	00.23 00.36	M M	5001	5006
5-18-70 1720	0.05		0.42	<0.005		0.08			DON PO_4	00.18 00.34	M M	5001	5006
5-28-70 1230	0.07		0.35	<0.005		0.09			DON PO_4	00.32 00.38	M M	5001	5006
6-10-70 1100	0.07		0.42	<0.005		0.07			DON PO_4	00.39 00.58	M M	5001	5006
6-15-70 1715	0.27		0.42	<0.005		0.09			DON PO_4	00.32 00.57	M M	5001	5006
6-25-70 1340	0.09		0.56	0.02		0.08			DON PO_4	00.25 00.93	M M	5001	5006
7-02-70 1150	0.18		0.95	0.02		0.12			DON PO_4	00.03 00.80	M M	5001	5006
7-09-70 0955	0.07		0.40	0.02		0.08			DON PO_4	00.01 00.64	MY M	5001	5006
7-15-70 1720	0.11		0.62	0.02		0.08			DON PO_4	00.27 00.69	M M	5001	5006
7-23-70 1200	0.16		0.39	0.03		0.09			DON PO_4	00.19 00.49	M M	5001	5006
7-30-70 1030	0.18		0.52	0.01		0.10			DON PO_4	00.22 00.52	M M	5001	5006
8-06-70 1400	0.16		0.46	0.01		0.10			DON PO_4	00.18 00.51	M M	5001	5006
8-13-70 1735	0.14		0.50	<0.005		0.10			DON PO_4	00.30 00.43	M M	5001	5006

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscelloneous Nutrients			Samp	Lab
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
B9 D 803.1 141.3 SAN JOAQUIN RIVER AT JERSEY POINT (Continued)													
08-20-70 1300	0.11		0.36	0.03		0.09			DON PO_4	00.13 00.51	M M	5001	5006
08-27-70 1230	0.14		0.36	0.01					DON PO_4	00.11 00.48	M M	5001	5006
09-03-70 1400	0.07		0.21	0.02		0.08			DON PO_4	00.01 00.54	MY M	5001	5006
09-09-70 1530	<0.005		<0.01	<0.005		0.08			DON PO_4	00.01 00.48	MY M	5001	5006
09-24-70 1230	0.05		0.32	<0.005		0.08			DON PO_4	00.01 00.44	MY M	5001	5006
B9 D 803.7 136.1 FALSE RIVER AT WEBB PUMP													
03-16-70 1415	0.60		0.57	<0.08		0.06		0.07				5001	5006
06-15-70 1810	0.10		0.40	<0.005		0.06			PO_4	00.55	M	5001	5006
09-09-70 1620	0.10		0.53	0.10		0.08		0.08				5001	5006
B9 D 804.4 134.2 OLD RIVER AT MOUTH													
10-20-69 1520	0.30		0.18	0.09		0.08			DON PO_4	00.11 00.25	M M	5001	5006
11-24-70 1550	0.10		0.04	0.02		0.07			DON PO_4	00.04 00.34	M M	5001	5006
02-11-70 1225	0.40		0.36	<0.005		0.06			DON PO_4	00.36 00.42	M M	5001	5006
03-16-70 1430	0.41		0.26	0.03		0.06			DON PO_4	00.12 00.25	M M	5001	5006
04-16-70 1550	0.29		0.44	0.03		0.08			DON PO_4	00.42 00.40	M M	5001	5006
05-18-70 1825	0.20		0.42	0.02		0.10			DON PO_4	00.19 00.38	M M	5001	5006
06-15-70 1825	0.07		0.42	0.02		0.07			DON PO_4	00.42 00.46	M M	5001	5006
07-15-70 1815	0.23		0.24	<0.005		0.11			DON PO_4	00.01 00.67	MY M	5001	5006
08-13-70 1845	0.11		0.41	0.01		0.09			DON PO_4	00.28 00.46	M M	5001	5006
09-09-70 1640	0.05		<0.01	<0.005		0.07			DON PO_4	00.01 00.31	MY M	5001	5006

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	Lab
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
B9 D 805.1 144.3 SACRAMENTO RIVER AT EMMATON													
03-20-70 1450	0.40		0.63	<0.08		0.04		0.06				5001	5006
06-16-70 1600	0.20		0.27	<0.005		0.07			PO_4	00.59	M	5001	5006
09-10-70 1450	0.20		0.38	0.08		0.08		0.08				5001	5006
B9 D 805.2 124.1 WHITE SLOUGH AT RIO BLANCO TRACT NEAR LODI													
10-23-69 1330	4.00		3.20	0.62		1.63		4.04				5001	5006
01-12-70 0920	2.00		2.80	2.80		3.00		3.10				5001	5006
04-21-70 1220	5.60		2.20	0.10		3.16		3.59				5001	5006
07-08-70 1055	0.60		0.58	<0.08		0.62		0.62				5001	5006
B9 D 805.2 126.0 WHITE SLOUGH NEAR LODI													
10-23-69 1215	0.80		0.34	0.10		0.36			PO_4	01.30	M	5001	5006
01-12-70 1010	1.80		1.80	0.15		0.18			PO_4	00.71	M	5001	5006
04-21-70 1135	0.40		0.65	<0.08		0.17			PO_4	00.56	M	5001	5006
07-08-70 1000	0.20		1.60	<0.08		0.11			PO_4	00.41	M	5001	5006
B9 D 805.8 140.1 SAN JOAQUIN RIVER AT TWITCHELL ISLAND													
03-19-70 1640	0.50		0.26	<0.08		0.05		0.06				5001	5006
06-16-70 1810	0.10		0.30	0.02		0.06			PO_4	00.45	M	5001	5006
09-10-70 1630	0.10		0.30	<0.08		0.07		0.08				5001	5006
B9 D 806.4 142.0 THREE MILE SLOUGH AT SACRAMENTO RIVER													
03-20-70 1510	0.20		0.44	<0.08		0.05		0.06				5001	5006
06-16-70 1620	0.20		0.40	<0.005		0.08			PO_4	00.55	M	5001	5006
09-10-70 1510	0.20		0.38	<0.08		0.09		0.10				5001	5006
B9 D 808.8 125.8 SYCAMORE SLOUGH AT DRAIN NEAR LODI													
10-23-69 1120	0.10		7.10	6.40		0.98		2.09				5001	5006
01-12-70 1040	0.10		6.20	4.20		1.50		1.57				5001	5006
04-21-70 1050	0.20		2.20	0.15		0.32		0.52				5001	5006
07-08-70 0915	<0.10		0.85	<0.08		0.07		0.11				5001	5006

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	Lab
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
B9 D 809.6 141.1 SACRAMENTO RIVER AT RIO VISTA BRIDGE													
10-21-69 1855	0.10		0.26	0.03		0.09			DON PO_4	00.09 00.27	M M	5001	500
11-25-70 1530	0.20		<0.01	0.04		0.08			DON PO_4	00.01 00.33	MY M	5001	500
02-12-70 1145	0.20		0.29	<0.005		0.04			DON PO_4	00.22 00.52	M M	5001	500
03-20-70 1535	0.23		0.12	0.03		0.05			DON PO_4	00.01 00.33	MY M	5001	500
04-16-70 1420	0.27		0.79	0.12		0.09			DON PO_4	00.79 00.41	M M	5001	500
05-18-70 1700	0.20		0.32	0.09		0.11			DON PO_4	00.22 00.37	M M	5001	500
06-15-70 1505	0.29		0.40	<0.005		0.11			DON PO_4	00.27 00.58	M M	5001	500
07-15-70 1630	0.23		0.47	<0.005		0.13			DON PO_4	00.34 00.71	M M	5001	500
08-12-70 1520	0.09		0.29	<0.005		0.09			DON PO_4	00.22 00.44	M M	5001	500
09-09-70 1400	0.05		<0.01	<0.005		0.08			DON PO_4	00.01 00.44	MY M	5001	500
B9 D 810.1 127.9 HOG SLOUGH NEAR THORNTON													
10-24-69 1230	0.20		0.34	0.08		0.13		0.18				5001	500
01-12-70 1125	0.40		0.45	0.23		0.13		0.13				5001	50
04-23-70 1155	0.20		1.20	0.15		0.12		0.17				5001	50
07-10-70 1020	0.20		0.65	<0.08		0.12		0.13				5001	50
B9 D 811.0 139.3 STEAMBOAT SLOUGH ABOVE CACHE SLOUGH													
03-20-70 1605	0.40		0.44	<0.08		0.04		0.08				5001	50
06-16-70 1710	0.30		0.35	<0.005		0.13			PO_4	00.58	M	5001	50
09-10-70 1545	0.10		0.43	<0.08		0.08		0.09				5001	50
B9 D 812.3 126.8 BEAVER SLOUGH NEAR THORNTON													
10-24-69 1320	0.20		0.54	0.46		0.29		0.31				5001	50
01-12-70 1240	0.40		3.20	2.70		0.13		0.95				5001	50

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	Lab
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
D 812.3 126.8 BEAVER SLOUGH NEAR THORNTON (Continued)													
-23-70 1240	0.50		1.10	0.30		0.15		0.20				5001	5006
-10-70 1100	<0.10		0.83	0.15		0.08		0.13				5001	5006
D 815.3 126.3 MOKELUMNE RIVER NEAR THORNTON													
-24-69 1350	0.10		0.38	0.13		0.01		0.03				5001	5006
-12-70 1310	0.10		0.60	<0.08		0.04		0.05				5001	5006
-23-70 1320	<0.10		0.10	<0.08		0.32		0.36				5001	5006
-07-70 1130	<0.10		0.38	<0.08		0.05		0.08				5001	5006
D 816.6 129.8 SNODGRASS SLOUGH AT TWIN CITIES ROAD NEAR HOOD													
-23-69 1420	0.30		0.42	0.14		0.07		0.08				5001	5006
-12-70 1350	1.30		2.60	<0.08		0.07		0.10				5001	5006
-23-70 1405	0.10		0.50	<0.08		0.07		0.11				5001	5006
-10-70 1225	0.20		0.38	<0.08		0.07		0.11				5001	5006
D 819.1 130.1 SNODGRASS SLOUGH AT SOUTHERN PACIFIC RAILROAD BRIDGE													
-24-69 1515	0.10		0.34	0.10		0.04		0.06				5001	5006
-12-70 1425	0.60		0.55	<0.08		0.16		0.19				5001	5006
-23-70 1450	<0.10		1.10	<0.08		0.09		0.15				5001	5006
-10-70 1315	0.20		0.45	<0.08		0.07		0.11				5001	5006
D 820.7 132.7 SACRAMENTO RIVER AT GREENE'S LANDING													
-17-70 1620	0.10		0.19	<0.08		0.04		0.05				5001	5006
-15-70 1345	0.20		0.22	0.12		0.10			PO_4	00.58	M	5001	5006
-09-70 1230	0.10		0.55	<0.08		0.09		0.11				5001	5006
D 827.3 130.0 SACRAMENTO RIVER AT FREEPORT													
-02-69 1340	0.11		0.2	0.08		0.06		0.10				5050	5050
									PO_4	00.56	M	5050	5000
-21-69 0930	0.25					0.10		0.15	KN	000.4	M	5050	5050
-05-69 1305	0.10		0.2	0.07		0.06		0.10				5050	5050
									PO_4	00.30	M	5050	5000

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	Lat
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
B9 D 827.3 130.0 SACRAMENTO RIVER AT FREEPORT (Continued)													
12-03-69	0.11		0.4	0.30		0.07		0.12				5050	505
1300									PO_4	00.32	M	5050	500
12-16-69 1315	0.28					0.07		0.20	KN	000.5	M	5050	505
01-07-70	0.18		0.2	0.02		0.04		0.14				5050	505
1210									PO_4	00.31	M	5050	500
01-20-70 1300	0.14					0.02		0.06	KN	000.1	M	5050	505
02-04-70	0.37					0.05		0.25	KN	000.4	M	5050	505
1255									PO_4	00.00	M	5050	500
02-17-70 1210	0.21					0.04		0.17	KN	000.3	M	5050	505
03-04-70 1135									PO_4	00.57	M	5050	500
03-17-70 1400	0.13					0.03		0.10	KN	000.3	M	5050	505
04-08-70	0.22					0.09		0.16	KN	000.3	M	5050	505
1300									PO_4	00.91	M	5050	500
04-21-70 1245	0.18					0.11		0.21	KN	000.5	M	5050	505
05-06-70	0.14					0.08		0.16	KN	000.4	M	5050	505
1230									PO_4	00.48	M	5050	500
05-19-70 1150	0.15					0.08		0.17	KN	000.5	M	5050	505
06-03-70	0.11					0.21		0.26	KN	000.5	M	5050	505
1240									PO_4	00.81	M	5050	500
06-16-70 1215	0.14					0.09		0.22	KN	000.5	M	5050	505
07-07-70	0.04					0.10		0.16	KN	000.4	M	5050	505
1820									PO_4	00.30	M	5050	500
07-21-70 1130	0.07					0.07		0.14	KN	000.3	M	5050	505
08-05-70	0.47					0.12		0.16	KN	000.4	M	5050	505
1030									PO_4	00.61	M	5050	500
08-18-70 0650	0.08					0.07		0.12	KN	000.3	M	5050	505
09-02-70 1110	0.14							0.13				5050	505
09-02-70 1115	0.10					0.08		0.11	KN	000.4	M	5050	505
09-15-70 1340	0.04					0.05		0.12	KN	000.2	M	5050	505

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscelloneous Nutrients			Samp	Lab
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
7 L 856.6 000.6 LAKE TAHOE NEAR TAHOE KEYS													
0-07-69 0905	0.0036	0.0008	0.185	0.0206				<0.005	RP	003.0	UY	5050	5060
1-19-69 1315	0.0020	0.0008	0.220	0.0136				0.0180	RP	005.0	U	5050	5060
3-10-70 1230	0.0050	<0.0003	0.085	0.0053				0.009	RP	003.0	U	5050	5060
5-13-70 1005	0.0023	0.0003	0.034	0.0168				0.0142	RP	004.8	U	5050	5060
8-26-70 1135	0.0021	0.0000	0.023	0.0040				0.006	RP	001.5	U	5050	5050
7 L 856.6 003.4 LAKE TAHOE NEAR TAYLOR CREEK													
0-07-69 0930	0.0054	0.0008	0.135	0.0192				0.005	RP	003.0	U	5050	5060
1-19-69 1345	0.0022	0.0006	0.163	0.0112				0.0100	RP	007.0	U	5050	5060
3-10-70 1300	0.0056	<0.0003	0.066	0.0083				0.009	RP	006.0	U	5050	5060
5-13-70 1020	0.0067	<0.0003	0.032	0.0128				0.0102	RP	003.2	U	5050	5060
8-26-70 1158	0.0019	0.0001	0.007	0.002				0.004	RP	001.0	U	5050	5050
7 L 900.0 000.0 LAKE TAHOE, SOUTH CENTER													
0-07-69 0850	0.0016	0.0008	0.144	0.0100				0.0050	RP	003.0	U	5050	5060
1-19-69 1255	0.0012	0.0008	0.167	0.0134				0.0180	RP	009.0	U	5050	5060
3-10-70 1145	0.0038	<0.0003	0.101	0.0045				0.011	RP	005.0	U	5050	5060
5-13-70 0900	0.0027	<0.0003	0.108	0.0056				0.0081	RP	004.8	U	5050	5060
8-26-70 1100	0.0019	0.0001	0.029	0.0090				0.022	RP	001.4	U	5050	5050
7 L 900.5 957.0 LAKE TAHOE AT ZEPHYR COVE													
0-07-69 0845	0.0044	0.0008	0.195	0.0106				<0.005	RP	003.0	U	5050	5060
1-19-69 1245	0.0016	0.0008	0.125	0.0150				0.0180	RP	013.0	U	5050	5060
3-10-70 1120	0.0049	0.0003	0.131	0.0121				0.010	RP	004.0	U	5050	5060
5-13-70 0845	0.0020	0.0003	0.131	0.0032				0.0122	RP	004.8	U	5050	5060
8-26-70 1040	0.0024	0.0000	0.022	0.002				0.011	RP	001.0	U	5050	5050

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	Lal
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
G7 L 900.8 006.6 LAKE TAHOE AT RUBICON BAY													
10-07-69 0945	0.0044	0.0008	0.186	0.0140				<0.005	RP	004.0	U	5050	506
11-19-69 1400	0.0012	0.0008	0.126	0.0094				0.0200	RP	007.0	U	5050	506
03-10-70 1330	0.0063	<0.0003	0.080	0.0196				0.008	RP	003.0	U	5050	506
05-13-70 1050	0.0090	<0.0003	0.113	0.0144				0.0142	RP	004.8	U	5050	506
08-26-70 1231	0.0021	0.0001	0.036	0.0010				0.006	RP	001.4	U	5050	505
G7 L 904.5 008.3 LAKE TAHOE AT CHAMBERS LODGE													
10-07-69 1000	0.0040	0.0012	0.196	0.0180				0.0050	RP	003.0	U	5050	506
11-19-69 1430	0.0010	0.0008	0.133	0.0114				0.030	RP	009.0	U	5050	506
03-10-70 1555	0.0075	<0.0003	0.064	0.0053				0.012	RP	004.0	U	5050	506
05-13-70 1110	0.0011	<0.0003	0.035	0.0096				0.0102	RP	003.9	U	5050	506
08-26-70 1300	0.0024	0.0001	0.036	0.002				0.007	RP	001.0	U	5050	505
G7 L 905.4 956.4 LAKE TAHOE AT GLENBROOK													
10-07-69 0815	0.0040	0.0008	0.172	0.0162				<0.005	RP	003.0	U	5050	506
11-19-69 1215	0.0024	0.0008	0.109	0.0168				0.0180	RP	009.0	U	5050	506
03-10-70 1045	0.0053	<0.0003	0.068	0.0060				0.012	RP	006.0	U	5050	506
05-13-70 0825	0.0037	0.0003	0.085	0.0104				0.0142	RP	006.4	U	5050	506
08-26-70 1005	0.0022	0.0000	0.066	0.0010				0.007	RP	001.3	U	5050	505
G7 L 908.7 000.3 LAKE TAHOE, NORTH CENTER													
10-07-69 0800	0.0036	0.0006	0.115	0.0112				<0.005	RP	003.0	U	5050	506
11-19-69 1030	0.0012	0.0008	0.179	0.0094				0.014	RP	010.0	U	5050	506
03-10-70 1030	0.0041	<0.0003	0.061	0.0083				0.008	RP	003.0	U	5050	506
05-13-70 0805	0.0020	<0.0003	0.080	0.0088				0.0203	RP	004.8	U	5050	506
08-26-70 0935	0.0020	0.0001	0.024	0.0040				0.010	RP	001.6	U	5050	505

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	Lab
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
7 L 910.8 007.1 LAKE TAHOE NEAR LAKE FOREST													
0-07-69 0700	0.0026	0.0008	0.126	0.0200				<0.005	RP	003.0	U	5050	5060
1-19-69 0910	0.0028	0.0006	0.166	0.0136				0.020	RP	010.0	U	5050	5060
3-10-70 0910	0.0050	0.0003	0.091	0.0204				0.010	RP	003.0	U	5050	5060
5-13-70 0700	0.0070	0.0010	0.117	0.0168				0.0142	RP	004.8	U	5050	5060
8-26-70 1338	0.0023	0.0001	0.031	0.0020				0.006	RP	001.5	U	5050	5050
7 L 914.2 002.2 LAKE TAHOE NEAR TAHOE VISTA													
0-07-69 0715	0.0026	0.0006	0.217	0.0112				<0.005	RP	003.0	U	5050	5060
1-19-69 0940	0.0024	0.0008	0.165	0.0094				0.018	RP	010.0	U	5050	5060
3-10-70 0940	0.0040	0.0007	0.087	0.0083				0.016	RP	005.0	U	5050	5060
5-13-70 0720	0.0037	<0.0003	0.067	0.0088				0.0142	RP	006.1	U	5050	5060
8-26-70 0815	0.0019	0.0001	0.051	0.001				0.011	RP	000.8	U	5050	5050
7 L 914.2 956.8 LAKE TAHOE AT INCLINE GUARD STATION													
0-07-69 0745	0.0050	0.0006	0.236	0.0120				0.0050	RP	003.0	U	5050	5060
1-19-69 0955	0.0020	0.0008	0.149	0.0192				0.014	RP	007.0	U	5050	5060
3-10-70 1000	0.0038	<0.0003	0.090	0.0053				0.006	RP	003.0	U	5050	5060
5-13-70 0740	0.0023	<0.0003	0.081	0.0080				0.0089	RP	004.8	U	5050	5060
8-26-70 0845	0.0020	0.0000	0.054	0.002				0.006	RP	001.3	U	5050	5050
7 3253.01 INCLINE CREEK AT INCLINE VILLAGE													
0-07-69 1145	0.0118	0.0014	0.203	0.0112				0.007	RP	005.0	U	5050	5060
1-19-69 1100	0.0138	0.0014	0.175	0.0130				0.027	RP	018.5	U	5050	5060
3-10-70 1300	0.0037	0.0060	0.281	0.0250				0.066	RP	033.0	U	5050	5060
5-13-70 1250	0.0204	0.0086	0.094	0.0136					RP	016.1	U	5050	5060
8-26-70 1245	0.0186	0.0001	0.121	0.014				0.053	RP	0035.	U	5050	5050

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

Date Time	Nutrients (Mg/L)								Miscellaneous Nutrients			Samp	Lal
	Nitrogen Series as N					Phosphorus Series as P							
	NO_3	NO_2	Org	NH_3	Total	Ortho	Hydro	Total	Code	Value	UR		
G7 3300.01 GENERAL CREEK NEAR MEEKS BAY													
10-07-69 1300	0.0024	0.0008	0.181	0.0126				0.005	RP	005.0	U	5050	506
11-19-69 0855	0.0020	0.0008	0.136	0.0104				0.018	RP	016.0	U	5050	506
03-10-70 1200	0.0047	<0.0003	0.061	0.0083				0.010	RP	007.0	U	5050	506
05-13-70 1030	0.0047	0.0003	0.076	0.0064				0.0162	RP	004.8	U	5050	506
08-26-70 1040	0.0055	0.0001	0.116	0.000				0.013	RP	012.8	U	5050	505
G7 3571.01 TAYLOR CREEK NEAR CAMP RICHARDSON													
10-07-69 0915	0.0448	0.0008	0.239	0.0210				<0.005	RP	003.0	U	5050	506
11-19-69 0930	0.0116	0.0008	0.136	0.0136				0.010	RP	005.0	U	5050	506
03-10-70 1030	0.0068	0.0003	0.058	0.0113				<0.005	RP	002.0	U	5050	506
05-13-70 0945	0.0053	<0.0003	0.036	0.0024				0.0081	RP	002.3	U	5050	506
08-26-70 0930	0.0235	0.0000	0.087	0.0001				0.006	RP	000.3	U	5050	505
G7 3705.01 UPPER TRUCKEE RIVER NEAR MOUTH													
10-07-69 0800	0.0620	0.0012	0.166	0.0144				0.007	RP	005.0	U	5050	506
11-19-69 1000	0.0672	0.0014	0.117	0.0086				0.018	RP	015.0	U	5050	506
03-10-70 0935	0.0063	0.0018	0.083	0.0068				0.041	RP	011.0	U	5050	506
05-13-70 0915	0.0203	0.0007	0.048	0.0152				0.0304	RP	006.8	U	5050	506
08-26-70 0845	0.0298	0.0007	0.084	0.001				0.007	RP	007.3	U	5050	505

TABLE D-8

PESTICIDES IN SURFACE WATER AND SEDIMENT

Abbreviations and Codes

Pesticides

BHC - Benzene hexachloride

ppDDD - Para para isomer of dichloro diphenyl dichloroethane

DDE - Dichloro diphenyl ethane

ppDDE - Para para isomer of dichloro diphenyl ethane

DDT - Dichloro diphenyl trichloroethane

ppDDT - Para para isomer of dichloro diphenyl trichloroethane

When two pesticides are reported together with a slash mark separating them (ppDDE/Dieldrin, Simazine/Atrazine, etc.), the reported concentration is an undifferentiated total of the two. Either of the two pesticides could make up the entire total.

Samp - Codes for agency collecting sample

5001 - U. S. Bureau of Reclamation

5050 - Department of Water Resources

Lab - Codes for laboratory performing analysis

5007 - Federal Water Quality Control Administration Laboratory at Alameda

5050 - Department of Water Resources Laboratory at Bryte

TABLE D-8

PESTICIDES IN SURFACE WATER AND SEDIMENT

Station Number	Station	Date Time	Pesticides in Water (nanograms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)		Samp	
AO 2170.00	SACRAMENTO RIVER AT FREMONT WEIR, WEST END	10-07-69 1110	BHC	5	ppDDE/Dieldrin	6	5050	5
			Complex chlorinated compounds as DDT	116	ppDDD	5	5050	5
					ppDDT	2	5050	5
					Complex chlorinated compounds as DDT	78	5050	5
		12-16-69 1330	BHC	4			5050	5
			Unknown as DDT	15				
		01-16-70 1315	Unknown as DDT	13			5050	5
		02-03-70 1250	Unknown as DDT	52			5050	5
		03-03-70 1200	BHC	9			5050	5
		04-07-70 1215	Unknown as DDT	4			5050	5
		05-05-70 1120	BHC	8			5050	5
			Dieldrin	5			5050	5.
		06-03-70 1030	BHC	19			5050	5
		07-07-70 1030	BHC	24			5050	5
			DCPA (dacthal)	12			5050	5
		08-04-70 1000	No chlorinated pesticides detected				5050	5
		09-01-70 1000	No chlorinated pesticides detected				5050	5
B9 D 747.2 118.4	SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	10-14-69 1100	BHC	12	Unknown as DDT	2	5050	5
			Aldrin	4	ppDDE/Dieldrin	1.1	5050	5
			ppDDD	8	ppDDD	1.3	5050	5
					Complex chlorinated compounds as DDT	14	5050	5
		12-17-69 1300	BHC	10			5050	5
			Unknown as DDT	33			5050	5
			ppDDD	11			5050	5
			ppDDT	7			5050	5
		01-27-70 1230	Unknown as DDT	17			5050	5
		02-24-70 1145	Unknown as DDT	18			5050	5
		04-09-70 1445	DCPA (dacthal)	42			5050	5
		05-18-70 1130	BHC	14			5050	5
			DCPA(dacthal)	27			5050	5
		07-03-70 1000	Unknown as DDT	17			5050	5
			DCPA (dacthal)	50			5050	5
		08-12-70 1330	Unknown as DDT	35			5050	5
			Kelthane	10			5050	5
		09-16-70 1100	Unknown as DDT	30	No chlorinated pesticides detected		5050	5
B9 D 758.7 122.9	SAN JOAQUIN RIVER AT BUCKLEY COVE	11-13-68 1110	Aldrin	< 3			5001	5
			BHC	< 3			5001	5
			DDE	< 3			5001	5
			DDT	< 10			5001	5
			Dieldrin	< 3			5001	5
			Toxphene	< 100			5001	5
			Heptachlor	< 3			5001	5
			Heptachlor Epoxide	< 3			5001	5
		01-23-69 1315	Aldrin	< 3			5001	5
			BHC	20			5001	5
			DDE	< 3			5001	5
			DDT	< 10			5001	5
			Dieldrin	< 3			5001	5
			Toxphene	< 100			5001	5
			Heptachlor	< 3			5001	5
			Heptachlor Epoxide	< 3			5001	5
		02-14-69 1235	Aldrin	< 3			5001	5
			BHC	10			5001	5
			DDE	< 3			5001	5
			DDT	< 10			5001	5
			Dieldrin	< 3			5001	5
			Toxphene	< 100			5001	5

TABLE D-8 (CONT)

PESTICIDES IN SURFACE WATER AND SEDIMENT

Station Number	Station	Date Time	Pesticides in Water (nanograms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)	Samp	Lab
B9 758.7 122.9	SAN JOAQUIN RIVER AT BUCKLEY COVE (Continued)	02-14-69 1235	Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		03-24-69 1315	Aldrin	2		5001	5007
			BHC	10		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		04-16-69 1100	Aldrin	4		5001	5007
			BHC	10		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		07-17-69 1300	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		08-07-69 1330	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	5		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 100		5001	5007
		09-17-69 1345	Aldrin	< 3		5001	5007
			BHC	3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		10-22-69 1020	Aldrin	8		5001	5007
			BHC	6		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	17		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		11-14-69 1350	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	14		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		12-18-69 0955	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		01-13-70 0955	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		02-17-70 1205	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007

TABLE D-8 (CONT)

PESTICIDES IN SURFACE WATER AND SEDIMENT

Station Number	Station	Date Time	Pesticides in Water (nanograms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)	Samp
B9 D 758.7 122.9	SAN JOAQUIN RIVER AT BUCKLEY COVE (Continued)	02-17-70 1205	Heptachlor	< 3		5001
			Heptachlor Epoxide	< 3		5001
		03-12-70 1115	Aldrin	< 3		5001
			BHC	< 3		5001
			DDE	< 3		5001
			DDT	< 10		5001
			Dieldrin	< 3		5001
			Toxphene	< 100		5001
			Heptachlor	< 3		5001
			Heptachlor Epoxide	< 3		5001
		04-21-70 1430	Aldrin	< 3		5001
			BHC	< 3		5001
			DDE	< 3		5001
			DDT	< 10		5001
			Dieldrin	< 3		5001
			Toxphene	< 100		5001
			Heptachlor	< 3		5001
			Heptachlor Epoxide	< 3		5001
		05-12-70 1400	Aldrin	< 3		5001
			BHC	< 3		5001
			DDE	< 3		5001
			DDT	< 10		5001
			Dieldrin	< 3		5001
			Toxphene	< 100		5001
			Heptachlor	< 3		5001
			Heptachlor Epoxide	< 3		5001
		06-10-70 1345	Aldrin	< 3		5001
			BHC	6		5001
			DDE	< 3		5001
			DDT	< 10		5001
			Dieldrin	< 3		5001
			Toxphene	< 100		5001
			Heptachlor	< 3		5001
			Heptachlor Epoxide	< 3		5001
		07-08-70 1315	Aldrin	< 3		5001
			BHC	< 3		5001
			DDE	< 3		5001
			DDT	< 10		5001
			Dieldrin	< 3		5001
			Toxphene	< 100		5001
			Heptachlor	< 3		5001
			Heptachlor Epoxide	< 3		5001
		08-11-70 1345	Aldrin	< 3		5001
			BHC	< 3		5001
			DDE	< 3		5001
			DDT	< 10		5001
			Dieldrin	< 3		5001
			Toxphene	< 100		5001
			Heptachlor	< 3		5001
			Heptachlor Epoxide	< 3		5001
		09-17-70 1305	Aldrin	< 3		5001
			BHC	3		5001
			DDE	< 3		5001
			DDT	< 10		5001
			Dieldrin	< 3		5001
			Toxphene	< 100		5001
			Heptachlor	< 3		5001
			Heptachlor Epoxide	< 3		5001
B9 D 800.8 143.9	BIG BREAK AT BIG BREAK RESORT	10-28-68 1200	Aldrin	< 3		5001
			BHC	< 3		5001
			DDE	< 3		5001
			DDT	< 10		5001
			Dieldrin	< 3		5001
			Toxphene	< 100		5001
			Heptachlor	< 3		5001
			Heptachlor Epoxide	< 3		5001
		12-17-68 1335	Aldrin	< 3		5001
			BHC	10		5001
			DDE	< 3		5001
			DDT	< 10		5001
			Dieldrin	< 3		5001
			Toxphene	< 100		5001
			Heptachlor	< 3		5001
			Heptachlor Epoxide	< 3		5001

TABLE D-8 (CONT)

PESTICIDES IN SURFACE WATER AND SEDIMENT

Station Number	Station	Date Time	Pesticides in Water (nanograms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)	Samp	Lab
301.1 142.6	BIG BREAK NEAR OAKLEY	11-26-68 1105	Aldrin	< 3		5001	5007
			BHC	20		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	200		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		02-25-69 1035	Aldrin	< 3		5001	5007
			BHC	10		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		03-28-69 1350	Aldrin	< 3		5001	5007
			BHC	3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		05-07-69 1000	Aldrin	< 3		5001	5007
			BHC	10		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		07-23-69 1425	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dildrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		08-20-69 1340	Aldrin	< 3		5001	5007
			BHC	3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		09-18-69 1225	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		10-20-69 1250	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		11-20-69 1535	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		02-11-70 1055	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007

TABLE D-8 (CONT)

PESTICIDES IN SURFACE WATER AND SEDIMENT

Station Number	Station	Date Time	Pesticides in Water (nanograms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)	Samp
B9 D 801.1 142.6	BIG BREAK NEAR OAKLEY (Continued)	02-11-70 1055	Toxphene	< 100		5001
			Heptachlor	< 3		5001
			Heptachlor Epoxide	< 3		5001
		03-16-70 1330	Aldrin	< 3		5001
			BHC	< 3		5001
			DDE	< 3		5001
			DDT	< 10		5001
			Dieldrin	< 3		5001
			Toxphene	< 100		5001
			Heptachlor	< 3		5001
			Heptachlor Epoxide	< 3		5001
		04-16-70 1420	Aldrin	< 3		5001
			BHC	< 3		5001
			DDE	< 3		5001
			DDT	< 10		5001
			Dieldrin	< 3		5001
			Toxphene	< 100		5001
			Heptachlor	< 3		5001
			Heptachlor Epoxide	< 3		5001
		05-18-70 1655	Aldrin	< 3		5001
			BHC	3		5001
			DDE	< 3		5001
			DDT	< 10		5001
			Dieldrin	< 3		5001
			Toxphene	< 100		5001
			Heptachlor	< 3		5001
			Heptachlor Epoxide	< 3		5001
		06-15-70 1645	Aldrin	< 3		5001
			BHC	< 3		5001
			DDE	< 3		5001
			DDT	< 10		5001
			Dieldrin	< 3		5001
			Toxphene	< 100		5001
			Heptachlor	< 3		5001
			Heptachlor Epoxide	< 3		5001
		07-15-70 1655	Aldrin	< 3		5001
			BHC	< 3		5001
			DDE	< 3		5001
			DDT	< 10		5001
			Dieldrin	< 3		5001
			Toxphene	< 100		5001
			Heptachlor	< 3		5001
			Heptachlor Epoxide	< 3		5001
		08-13-70 1630	Aldrin	< 3		5001
			BHC	< 3		5001
			DDE	< 3		5001
			DDT	< 10		5001
			Dieldrin	< 3		5001
			Toxphene	< 100		5001
			Heptachlor	< 3		5001
			Heptachlor Epoxide	< 3		5001
		09-09-70 1505	Aldrin	< 3		5001
			BHC	< 3		5001
			DDE	< 3		5001
			DDT	< 10		5001
			Dieldrin	< 3		5001
			Toxphene	< 100		5001
			Heptachlor	< 3		5001
			Heptachlor Epoxide	< 3		5001
B9 D 801.2 148.5	SAN JOAQUIN RIVER AT ANTIOCH (SHIP CHANNEL)	10-28-68 1135	Aldrin	< 3		5001
			BHC	< 3		5001
			DDE	< 3		5001
			DDT	< 10		5001
			Dieldrin	< 3		5001
			Toxphene	< 100		5001
			Heptachlor	< 3		5001
			Heptachlor Epoxide	< 3		5001
		11-26-68 1035	Aldrin	< 3		5001
			BHC	< 3		5001
			DDE	< 3		5001
			DDT	< 10		5001
			Dieldrin	< 3		5001
			Toxphene	< 100		5001
			Heptachlor	< 3		5001
			Heptachlor Epoxide	< 3		5001

TABLE D-8 (CONT)

PESTICIDES IN SURFACE WATER AND SEDIMENT

tion Number	Station	Date Time	Pesticides in Water (nonograms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)	Somp	Lab
301.2 148.5	SAN JOAQUIN RIVER AT ANTIOCH (SHIP CHANNEL) (Continued)	12-17-68 1410	Aldrin	< 3		5001	5007
			BHC	10		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		01-29-69 1300	Aldrin	< 3		5001	5007
			BHC	20		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		02-27-69 1215	Aldrin	< 3		5001	5007
			BHC	10		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		03-28-69 1240	Aldrin	< 3		5001	5007
			BHC	3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		05-07-69 0915	Aldrin	< 3		5001	5007
			BHC	30		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		07-23-69 1345	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		08-19-69 1025	Aldrin	< 3		5001	5007
			BHC	6		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		09-17-69 1010	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		10-20-69 1145	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007

TABLE D-8 (CONT)

PESTICIDES IN SURFACE WATER AND SEDIMENT

Station Number	Station	Date Time	Pesticides in Water (nanograms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)	Samp
B9 D 801.2 148.5	SAN JOAQUIN RIVER AT ANTIOCH (SHIP CHANNEL) (Continued)	11-21-69 1240	Aldrin	< 3		5001
			BHC	3		5001
			DDE	3		5001
			DDT	< 10		5001
			Dieldrin	< 3		5001
			Toxphene	< 100		5001
			Heptachlor	< 3		5001
			Heptachlor Epoxide	< 3		5001
		02-12-70 0920	Aldrin	< 3		5001
			BHC	< 3		5001
			DDE	< 3		5001
			DDT	< 10		5001
			Dieldrin	< 3		5001
			Toxphene	< 100		5001
			Heptachlor	< 3		5001
			Heptachlor Epoxide	< 3		5001
		03-19-70 1530	Aldrin	< 3		5001
			BHC	< 3		5001
			DDE	< 3		5001
			DDT	< 10		5001
			Dieldrin	< 3		5001
			Toxphene	< 100		5001
			Heptachlor	< 3		5001
			Heptachlor Epoxide	< 3		5001
		04-16-70 1350	Aldrin	< 3		5001
			BHC	8		5001
			DDE	< 3		5001
			DDT	< 10		5001
			Dieldrin	< 3		5001
			Toxphene	< 100		5001
			Heptachlor	< 3		5001
			Heptachlor Epoxide	< 3		5001
		06-15-70 1605	Aldrin	6		5001
			BHC	13		5001
			DDE	< 3		5001
			DDT	< 10		5001
			Dieldrin	5N		5001
			Toxphene	< 100		5001
			Heptachlor	< 3		5001
			Heptachlor Epoxide	< 3		5001
		07-15-70 1620	Aldrin	< 3		5001
			BHC	< 3		5001
			DDE	< 3		5001
			DDT	< 10		5001
			Dieldrin	< 3		5001
			Toxphene	< 100		5001
			Heptachlor	< 3		5001
			Heptachlor Epoxide	< 3		5001
		08-13-70 1555	Aldrin	< 3		5001
			BHC	< 3		5001
			DDE	< 3		5001
			DDT	< 10		5001
			Dieldrin	< 3		5001
			Toxphene	< 100		5001
			Heptachlor	< 3		5001
			Heptachlor Epoxide	< 3		5001
		09-09-70 1420	Aldrin	< 3		5001
			BHC	< 3		5001
			DDE	< 3		5001
			DDT	< 10		5001
			Dieldrin	< 3		5001
			Toxphene	< 100		5001
			Heptachlor	< 3		5001
			Heptachlor Epoxide	< 3		5001

TABLE D-8 (CONT)

PESTICIDES IN SURFACE WATER AND SEDIMENT

Station Number	Station	Date Time	Pesticides in Water (nanograms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)	Samp	Lab
9 802.6 136.8	FRANKS TRACT NEAR RUSSOS LANDING	10-28-68 1325	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		11-26-68 1215	Aldrin	< 3		5001	5007
			BHC	15N		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		12-17-68 1610	Aldrin	< 3		5001	5007
			BHC	10		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		01-27-69 1420	Aldrin	< 3		5001	5007
			BHC	10		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		02-25-69 1325	Aldrin	< 3		5001	5007
			BHC	10		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		03-27-69 1300	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		05-07-69 1200	Aldrin	< 3		5001	5007
			BHC	2		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		07-23-69 1645	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		08-20-69 1550	Aldrin	< 3		5001	5007
			BHC	3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		09-18-69 1455	Aldrin	< 3		5001	5007
			BHC	5		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007

TABLE D-8 (CONT)

PESTICIDES IN SURFACE WATER AND SEDIMENT

Station Number	Station	Date Time	Pesticides in Water (nanograms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)	Samp	Lc
B9 D 802.6 136.8	FRANKS TRACT NEAR RUSSOS LANDING (Continued)	09-18-69 1455	Toxphene	< 100		5001	50
			Heptachlor	< 3		5001	50
			Heptachlor Epoxide	< 3		5001	50
		10-20-69 1615	Aldrin	< 3		5001	50
			BHC	< 3		5001	50
			DDE	< 3		5001	50
			DDT	< 10		5001	50
			Dieldrin	< 3		5001	50
			Toxphene	< 100		5001	50
			Heptachlor	< 3		5001	50
			Heptachlor Epoxide	< 3		5001	50
		11-24-69 1645	Aldrin	< 3		5001	50
			BHC	< 3		5001	50
			DDE	< 3		5001	50
			Dieldrin	< 3		5001	50
			Toxphene	< 100		5001	50
			Heptachlor	< 3		5001	50
			Heptachlor Epoxide	3		5001	50
		02-11-70 1300	Aldrin	< 3		5001	50
			BHC	< 3		5001	50
			DDE	< 3		5001	50
			DDT	< 10		5001	50
			Dieldrin	< 3		5001	50
			Toxphene	< 100		5001	50
			Heptachlor	< 3		5001	50
			Heptachlor Epoxide	< 3		5001	50
		03-16-70 1500	Aldrin	< 3		5001	50
			BHC	< 3		5001	50
			DDE	< 3		5001	50
			DDT	< 10		5001	50
			Dieldrin	< 3		5001	50
			Toxphene	< 100		5001	50
			Heptachlor	< 3		5001	50
			Heptachlor Epoxide	< 3		5001	50
		04-16-70 1515	Aldrin	< 3		5001	50
			BHC	< 3		5001	50
			DDE	< 3		5001	50
			DDT	< 10		5001	50
			Dieldrin	< 3		5001	50
			Toxphene	< 100		5001	50
			Heptachlor	< 3		5001	50
			Heptachlor Epoxide	< 3		5001	50
		05-18-70 1750	Aldrin	< 3		5001	50
			BHC	< 3		5001	50
			DDE	< 3		5001	50
			DDT	< 10		5001	50
			Dieldrin	< 3		5001	50
			Toxphene	< 100		5001	50
			Heptachlor	< 3		5001	50
			Heptachlor Epoxide	< 3		5001	50
		06-15-70 1745	Aldrin	< 3		5001	50
			BHC	< 3		5001	50
			DDE	< 3		5001	50
			DDT	< 10		5001	50
			Dieldrin	< 3		5001	50
			Toxphene	< 100		5001	50
			Heptachlor	< 3		5001	50
			Heptachlor Epoxide	< 3		5001	50
		07-15-70 1745	Aldrin	< 3		5001	50
			BHC	< 3		5001	50
			DDE	< 3		5001	50
			DDT	< 10		5001	50
			Dieldrin	< 3		5001	50
			Toxphene	< 100		5001	50
			Heptachlor	< 3		5001	50
			Heptachlor Epoxide	< 3		5001	50
		08-13-70 1810	Aldrin	< 3		5001	50
			BHC	< 3		5001	50
			DDE	< 3		5001	50
			DDT	< 10		5001	50
			Dieldrin	< 3		5001	50
			Toxphene	< 100		5001	50
			Heptachlor	< 3		5001	50
			Heptachlor Epoxide	< 3		5001	50
		09-09-70 1600	Aldrin	< 3		5001	50
			BHC	< 3		5001	50
			DDE	< 3		5001	50

TABLE D-8 (CONT)

PESTICIDES IN SURFACE WATER AND SEDIMENT

Station Number	Station	Date Time	Pesticides in Water (nanograms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)	Samp	Lab
9 802.6 136.8	FRANKS TRACT NEAR RUSSOS LANDING (Continued)	09-09-70 1600	DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
9 803.1 141.3	SAN JOAQUIN RIVER AT JERSEY POINT	10-28-68 1210	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		11-26-68 1110	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		12-17-68 1500	Aldrin	5		5001	5007
			BHC	10		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	5		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		01-27-69 1145	Aldrin	< 3		5001	5007
			BHC	10		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		02-25-69 1110	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		03-26-69 1100	Aldrin	< 3		5001	5007
			BHC	10		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		05-07-69 1025	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		07-23-69 1500	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		08-20-69 1410	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007

TABLE D-8 (CONT)

PESTICIDES IN SURFACE WATER AND SEDIMENT

Station Number	Station	Date Time	Pesticides in Water (nanograms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)	Samp	La
B9 D 803.1 141.3	SAN JOAQUIN RIVER AT JERSEY POINT (Continued)	09-18-69 1300	Aldrin	< 3		5001	50C
			BHC	< 3		5001	50C
			DDE	< 3		5001	50C
			DDT	< 10		5001	50C
			Dieldrin	< 3		5001	50C
			Toxphene	< 100		5001	50C
			Heptachlor	< 3		5001	50C
			Heptaehlor Epoxide	< 3		5001	50C
		10-20-69 1325	Aldrin	< 3		5001	50C
			BHC	< 3		5001	50C
			DDE	< 3		5001	50C
			DDT	< 10		5001	50C
			Dieldrin	< 3		5001	50C
			Toxphene	< 100		5001	50C
			Heptachlor	< 3		5001	50C
			Heptaehlor Epoxide	< 3		5001	50C
		11-24-69 1430	Aldrin	< 3		5001	50C
			BHC	< 3		5001	50C
			DDE	< 3		5001	50C
			DDT	< 10		5001	50C
			Dieldrin	< 3		5001	50C
			Toxphene	< 100		5001	50C
			Heptachlor	< 3		5001	50C
			Heptaehlor Epoxide	< 3		5001	50C
		02-11-70 1120	Aldrin	< 3		5001	50C
			BHC	< 3		5001	50C
			DDE	< 3		5001	50C
			DDT	< 10		5001	50C
			Dieldrin	< 3		5001	50C
			Toxphene	< 100		5001	50C
			Heptachlor	< 3		5001	50C
			Heptachlor Epoxide	< 3		5001	50C
		03-19-70 1615	Aldrin	< 3		5001	50C
			BHC	< 3		5001	50C
			DDE	< 3		5001	50C
			DDT	< 10		5001	50C
			Dieldrin	< 3		5001	50C
			Toxphene	< 100		5001	50C
			Heptachlor	< 3		5001	50C
			Heptachlor Epoxide	< 3		5001	50C
		04-16-70 1450	Aldrin	< 3		5001	500
			BHC	< 3		5001	500
			DDE	< 3		5001	500
			DDT	< 10		5001	500
			Dieldrin	< 3		5001	500
			Toxphene	< 100		5001	500
			Heptachlor	< 3		5001	500
			Heptachlor Epoxide	< 3		5001	500
		05-18-70 1720	Aldrin	< 3		5001	500
			BHC	< 3		5001	500
			DDE	< 3		5001	500
			DDT	< 10		5001	500
			Dieldrin	< 3		5001	500
			Toxphene	< 100		5001	500
			Heptachlor	< 3		5001	500
			Heptachlor Epoxide	< 3		5001	500
		06-15-70 1715	Aldrin	< 3		5001	500
			BHC	< 3		5001	500
			DDE	< 3		5001	500
			DDT	< 10		5001	500
			Dieldrin	< 3		5001	500
			Toxphene	< 100		5001	500
			Heptachlor	< 3		5001	500
			Heptachlor Epoxide	< 3		5001	500
		07-15-70 1720	Aldrin	< 3		5001	500
			BHC	< 3		5001	500
			DDE	< 3		5001	500
			DDT	< 10		5001	500
			Dieldrin	< 3		5001	500
			Toxphene	< 100		5001	500
			Heptachlor	< 3		5001	500
			Heptachlor Epoxide	< 3		5001	500
		08-13-70 1735	Aldrin	< 3		5001	500
			BHC	< 3		5001	500
			DDE	< 3		5001	500
			DDT	< 10		5001	500
			Dieldrin	< 3		5001	500

TABLE D-8 (CONT)

PESTICIDES IN SURFACE WATER AND SEDIMENT

Station Number	Station	Date Time	Pesticides in Water (nanograms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)	Samp	Lab
803.1 141.3	SAN JOAQUIN RIVER AT JERSEY POINT (Continued)	08-13-70 1735	Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor	< 3		5001	5007
		09-09-70 1530	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
809.6 141.1	SACRAMENTO RIVER AT RIO VISTA BRIDGE	10-30-68 1320	Aldrin	< 3		5001	5007
			BHC	10		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		11-25-68 1135	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor	< 3		5001	5007
		12-18-68 1515	Aldrin	< 3		5001	5007
			BHC	5		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		01-28-69 1315	Aldrin	< 3		5001	5007
			BHC	40		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		02-25-69 1330	Aldrin	< 3		5001	5007
			BHC	10		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		03-29-69 1430	Aldrin	< 3		5001	5007
			BHC	3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	3		5001	5007
		05-08-69 1020	Aldrin	< 3		5001	5007
			BHC	2		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		07-22-69 1315	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007

TABLE D-8 (CONT)

PESTICIDES IN SURFACE WATER AND SEDIMENT

Station Number	Station	Date Time	Pesticides in Water (nanograms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)	Samp	Lc
B9 D 809.6 141.1	SACRAMENTO RIVER AT RIO VISTA BRIDGE (Continued)	08-19-69 1220	Aldrin	< 3		5001	50
			BHC	3		5001	50
			DDE	< 3		5001	50
			DDT	< 10		5001	50
			Dieldrin	< 3		5001	50
			Toxphene	< 100		5001	50
			Heptachlor	< 3		5001	50
			Heptachlor Epoxide	< 3		5001	50
		09-18-69 1200	Aldrin	< 3		5001	50
			BHC	< 3		5001	50
			DDE	< 3		5001	50
			DDT	< 10		5001	50
			Dieldrin	< 3		5001	50
			Toxphene	< 100		5001	50
			Heptachlor	< 3		5001	50
			Heptachlor Epoxide	< 3		5001	50
		10-24-69 1055	Aldrin	< 3		5001	50
			BHC	< 3		5001	50
			DDE	< 3		5001	50
			DDT	< 10		5001	50
			Dieldrin	< 3		5001	50
			Toxphene	< 100		5001	50
			Heptachlor	< 3		5001	50
			Heptachlor Epoxide	< 3		5001	50
		11-25-69	Aldrin	< 3		5001	50
			BHC	< 3		5001	50
			DDE	3		5001	50
			DDT	< 10		5001	50
			Dieldrin	< 3		5001	50
			Toxphene	< 100		5001	50
			Heptachlor	< 3		5001	50
			Heptachlor Epoxide	< 3		5001	50
		02-12-70 1145	Aldrin	< 3		5001	50
			BHC	< 3		5001	50
			DDE	< 3		5001	50
			DDT	< 10		5001	50
			Dieldrin	< 3		5001	50
			Toxphene	< 100		5001	50
			Heptachlor	< 3		5001	50
			Heptachlor Epoxide	< 3		5001	50
		03-20-70 1535	Aldrin	< 3		5001	50
			BHC	< 3		5001	50
			DDE	< 3		5001	50
			DDT	< 10		5001	50
			Dieldrin	< 3		5001	50
			Toxphene	< 100		5001	50
			Heptachlor	< 3		5001	50
			Heptachlor Epoxide	< 3		5001	50
		04-17-70 1445	Aldrin	< 3		5001	50
			BHC	< 3		5001	50
			DDE	< 3		5001	50
			DDT	< 10		5001	50
			Dieldrin	< 3		5001	50
			Toxphene	< 100		5001	50
			Heptachlor	< 3		5001	50
			Heptachlor Epoxide	< 3		5001	50
		06-16-70 1645	Aldrin	< 3		5001	50
			BHC	< 3		5001	50
			DDE	< 3		5001	50
			DDT	< 10		5001	50
			Dieldrin	< 3		5001	50
			Toxphene	< 100		5001	50
			Heptachlor	< 3		5001	50
			Heptachlor Epoxide	< 3		5001	50
		07-15-70 1630	Aldrin	< 3		5001	50
			BHC	< 3		5001	50
			DDE	< 3		5001	50
			DDT	< 10		5001	50
			Dieldrin	< 3		5001	50
			Toxphene	< 100		5001	50
			Heptachlor	< 3		5001	50
			Heptachlor Epoxide	< 3		5001	50
		08-12-70 1520	Aldrin	< 3		5001	50
			BHC	< 3		5001	50
			DDE	< 3		5001	50
			DDT	< 10		5001	50
			Dieldrin	< 3		5001	50

TABLE D-8 (CONT)

PESTICIDES IN SURFACE WATER AND SEDIMENT

Station Number	Station	Date Time	Pesticides in Water (nanograms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)	Samp	Lab
809.6 141.1	SACRAMENTO RIVER AT RIO VISTA BRIDGE (Continued)	08-12-70 1520	Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		09-10-70 1530	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
815.3 126.3	MOKELUMNE RIVER NEAR THORNTON	11-13-68 1505	Aldrin	< 3		5001	5007
			BHC	1		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		02-10-69 1230	Aldrin	< 3		5001	5007
			BHC	10		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		02-13-69 1120	Aldrin	1		5001	5007
			BHC	20		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	1		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		03-25-69 1245	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		07-18-69 1110	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		08-08-69 1135	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		09-18-69 1245	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		10-24-69 1350	Aldrin	< 3		5001	5007
			BHC	< 3		5001	5007
			DDE	< 3		5001	5007
			DDT	< 10		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007

TABLE D-8 (CONT)

PESTICIDES IN SURFACE WATER AND SEDIMENT

Station Number	Station	Date Time	Pesticides in Water (nanograms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)	Samp	Lo
B9 D 815.3 126.3	MOKELUMNE RIVER NEAR THORNTON (Continued)	11-14-69 1140	Aldrin	< 3		5001	500
			BHC	< 3		5001	500
			DDE	< 3		5001	500
			DDT	< 10		5001	500
			Dieldrin	< 3		5001	500
			Toxphene	< 100		5001	500
			Heptachlor	< 3		5001	500
			Heptachlor Epoxide	< 3		5001	500
		12-18-69 1350	Aldrin	< 3		5001	500
			BHC	< 3		5001	500
			DDE	< 3		5001	500
			DDT	< 10		5001	500
			Dieldrin	< 3		5001	500
			Toxphene	< 100		5001	500
			Heptachlor	< 3		5001	500
			Heptachlor Epoxide	< 3		5001	500
		01-12-70 1310	Aldrin	< 3		5001	500
			BHC	< 3		5001	500
			DDE	< 3		5001	500
			DDT	< 10		5001	500
			Dieldrin	< 3		5001	500
			Toxphene	< 100		5001	500
			Heptachlor	< 3		5001	500
			Heptachlor Epoxide	< 3		5001	500
		02-18-70 1100	Aldrin	< 3		5001	500
			BHC	< 3		5001	500
			DDE	< 3		5001	500
			DDT	< 10		5001	500
			Dieldrin	< 3		5001	500
			Toxphene	< 100		5001	500
			Heptachlor	< 3		5001	500
			Heptachlor Epoxide	< 3		5001	500
		03-13-70 1015	Aldrin	< 3		5001	500
			BHC	< 3		5001	500
			DDE	< 3		5001	500
			DDT	< 10		5001	500
			Dieldrin	< 3		5001	500
			Toxphene	< 100		5001	500
			Heptachlor	< 3		5001	500
			Heptachlor Epoxide	< 3		5001	500
		04-23-70 1320	Aldrin	< 3		5001	500
			BHC	< 3		5001	500
			DDE	< 3		5001	500
			DDT	< 10		5001	500
			Dieldrin	< 3		5001	500
			Toxphene	< 100		5001	500
			Heptachlor	< 3		5001	500
			Heptachlor Epoxide	< 3		5001	500
		05-13-70 1305	Aldrin	< 3		5001	500
			BHC	< 3		5001	500
			DDE	< 3		5001	500
			DDT	< 10		5001	500
			Dieldrin	< 3		5001	500
			Toxphene	< 100		5001	500
			Heptachlor	< 3		5001	500
			Heptachlor Epoxide	< 3		5001	500
		06-11-70 1235	Aldrin	3		5001	500
			BHC	< 3		5001	500
			DDE	< 3		5001	500
			DDT	< 10		5001	500
			Dieldrin	< 3		5001	500
			Toxphene	< 100		5001	500
			Heptachlor	< 3		5001	500
			Heptachlor Epoxide	16		5001	500
		07-10-70 1130	Aldrin	< 3		5001	500
			BHC	< 3		5001	500
			DDE	< 3		5001	500
			DDT	< 10		5001	500
			Dieldrin	< 3		5001	500
			Toxphene	< 100		5001	500
			Heptachlor	< 3		5001	500
			Heptachlor Epoxide	< 3		5001	500
		08-12-70 1230	Aldrin	< 3		5001	500
			BHC	< 3		5001	500
			DDE	< 3		5001	500
			DDT	< 10		5001	500
			Dieldrin	< 3		5001	500
			Toxphene	< 100		5001	500

TABLE D-8 (CONT)

PESTICIDES IN SURFACE WATER AND SEDIMENT

ation Number	Station	Date Time	Pesticides in Water (nanograms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)	Samp	Lab
ED 815.3 126.3	MOKELUMNE RIVER NEAR THORNTON	08-12-70 1230	Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007
		09-18-70 1125	Aldrin	< 3		5001	5007
			BHC	1		5001	5007
			DDE	< 3		5001	5007
			DDT	13		5001	5007
			Dieldrin	< 3		5001	5007
			Toxphene	< 100		5001	5007
			Heptachlor	< 3		5001	5007
			Heptachlor Epoxide	< 3		5001	5007

TABLE D-9

DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

(In Degrees Fahrenheit)

AO 2170.00 SACRAMENTO RIVER AT FREMONT WEIR, WEST END

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	65	63	57	56	50	49	49	48	48	48	52	51	56	54	59	57	NR	NR	68	66	71	69	69	68
2	64	63	58	57	50	49	48	48	48	48	51	51	56	54	61	58	NR	NR	NR	NR	72	70	69	68
3	63	60	58	57	49	49	48	47	48	48	51	50	57	55	63	60	NR	NR	NR	NR	72	71	69	68
4	60	59	58	57	49	49	47	47	49	48	50	49	57	56	65	62	NR	NR	NR	NR	72	71	69	67
5	59	59	58	56	49	48	47	46	50	49	50	49	58	57	64	63	NR	NR	NR	NR	72	70	67	66
6	59	58	58	57	49	48	46	45	50	49	49	49	60	58	64	61	72	70	NR	NR	72	71	67	66
7	59	58	57	56	49	48	46	45	50	49	49	48	60	59	62	61	71	69	NR	NR	73	71	68	66
8	59	58	56	56	49	49	46	45	50	50	51	49	60	59	62	61	69	65	73	71	73	71	69	68
9	58	57	56	55	50	49	47	46	50	49	53	51	59	58	63	61	65	64	72	71	74	71	71	69
10	58	57	55	54	50	50	48	47	50	49	52	51	59	58	62	61	64	63	71	70	74	72	71	70
11	58	56	55	54	50	50	48	47	50	50	52	51	60	59	62	61	65	63	71	70	74	72	71	70
12	57	56	55	54	50	50	48	48	51	50	51	50	60	58	61	60	64	63	71	70	74	72	70	68
13	57	55	56	54	51	50	49	48	51	50	52	50	58	56	60	59	64	62	71	70	73	72	68	68
14	56	56	NR	NR	52	51	50	49	50	50	53	52	56	56	61	59	65	64	72	70	74	72	68	66
15	56	55	NR	NR	52	51	50	50	50	49	54	53	56	55	63	61	67	64	71	70	74	72	66	65
16	56	55	56	55	51	51	51	50	49	48	55	54	57	55	NR	NR	68	66	70	69	73	71	65	64
17	56	55	55	54	52	51	51	51	49	48	55	54	NR	NR	NR	NR	68	66	71	69	73	71	65	64
18	56	56	54	52	52	51	51	51	49	48	55	54	NR	NR	NR	NR	69	67	71	69	73	71	65	64
19	56	55	52	51	52	51	51	51	48	48	54	53	NR	NR	NR	NR	70	68	72	70	72	71	65	64
20	56	55	51	50	53	52	51	51	48	47	54	53	NR	NR	NR	NR	72	70	72	70	72	70	65	64
21	57	55	51	50	54	47	52	51	48	47	54	53	NR	NR	NR	NR	73	70	71	70	71	70	65	63
22	58	56	51	50	47	45	53	52	49	48	55	53	NR	NR	NR	NR	73	72	71	69	71	69	64	63
23	58	57	51	50	53	45	53	53	50	48	56	54	NR	NR	NR	NR	74	72	72	70	70	69	64	63
24	59	58	51	50	51	46	54	53	50	49	57	55	NR	NR	NR	NR	73	71	72	70	70	69	64	63
25	58	57	51	50	51	50	53	52	51	50	58	56	NR	NR	NR	NR	72	71	72	70	70	69	63	62
26	59	58	51	51	50	49	52	51	51	50	58	57	NR	NR	NR	NR	72	69	72	70	70	68	63	62
27	58	57	51	51	50	50	51	50	51	50	58	56	NR	NR	NR	NR	70	69	72	70	70	68	63	61
28	58	57	51	51	50	48	50	49	52	51	57	56	NR	NR	NR	NR	69	68	71	70	69	68	63	62
29	57	56	51	50	48	48	49	48			57	56	56	55	NR	NR	68	67	71	70	69	68	63	62
30	57	56	51	50	48	48	48	47			56	55	58	55	NR	NR	67	66	71	70	69	68	63	62
31	57	56			48	48	48	47			56	55			NR	NR			71	69	69	68		
Max	65		NR		54		54		52		58		NR		NR		NR		NR		74		71	
Min	55		NR		45		45		47		48		NR		NR		NR		NR		68		61	
Avg	58		NR		50		49		49		53		NR		NR		NR		NR		71		66	

NR - No Record

AO 5975.00 THERMALITO AFTERBAY RELEASE TO FEATHER RIVER NEAR OROVILLE

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	63	62	56	56	52	51	49	49	48	47	51	50	58	55	62	59	77	72	72	71	73	71	69	68
2	62	60	57	56	52	51	49	48	48	47	50	48	58	56	62	59	79	72	71	70	74	71	68	67
3	60	58	57	56	51	51	49	48	48	47	48	48	58	56	63	60	77	73	71	69	73	70	67	63
4	58	57	57	57	51	51	48	47	48	48	49	48	60	57	66	61	75	72	70	69	72	70	66	62
5	59	58	58	57	51	50	48	46	48	48	49	47	62	58	64	60	72	70	70	69	72	71	64	62
6	58	58	57	57	51	51	47	47	49	48	49	48	61	59	64	63	71	70	75	69	72	71	66	62
7	58	57	57	56	51	50	47	47	49	48	49	48	59	57	65	62	72	69	75	73	71	69	64	63
8	58	57	56	56	51	50	47	47	49	48	50	48	61	57	62	61	73	67	74	73	73	69	65	62
9	58	57	56	55	51	50	47	47	49	48	49	48	58	57	63	62	67	66	74	72	75	71	65	63
10	59	58	56	55	51	51	49	47	49	49	49	48	58	57	66	62	70	66	74	72	78	72	65	62
11	58	57	56	55	51	51	49	48	49	49	49	48	59	57	64	62	72	67	73	72	75	73	64	62
12	58	56	56	55	51	51	49	49	50	49	51	49	59	56	63	62	71	67	73	72	74	71	63	61
13	57	56	56	55	51	51	49	49	50	49	51	49	57	54	64	62	68	66	82	72	73	71	64	61
14	57	56	56	55	52	51	49	49	49	48	52	51	55	54	65	63	74	67	78	74	72	70	64	62
15	56	56	56	56	52	52	49	48	48	48	52	51	57	54	66	64	76	69	74	72	72	70	63	61
16	56	56	56	55	52	52	50	48	48	48	51	50	55	54	66	63	73	70	74	71	74	71	62	62
17	56	56	55	54	52	52	50	49	48	48	51	50	57	54	65	64	76	71	74	73	73	72	62	61
18	56	56	53	52	52	52	49	49	48	47	50	49	58	55	67	65	75	70	74	73	72	70	63	61
19	57	55	53	52	52	52	49	49	48	47	51	49	59	56	69	66	77	72	74	73	70	68	63	62
20	57	56	53	52	53	52	49	49	48	47	52	50	58	56	70	67	75	72	74	73	68	67	64	62
21	58	56	52	52	54	53	50	49	48	48	56	52	58	55	72	67	80	71	75	71	67	66	63	62
22	58	57	52	52	54	54	50	49	49	48	58	54	60	56	71	69	81	75	75	74	66	66	63	62
23	57	57	52	52	54	53	51	49	49	48	57	54	58	56	72	69	77	74	75	73	69	66	62	60
24	58	57	53	52	53	52	51	49	49	48	61	56	59	57	73	70	75	74	73	72	70	67	60	59
25	59	57	53	52	52	51	49	48	49	48	61	57	60	57	72	71	75	72	73	71	68	67	59	57
26	59	58	53	52	51	51	49	49	50	49	59	58	60	59	72	71	73	71	74	71	68	67	60	58
27	58	58	53	53	51	50	49	49	50	49	58	56	59	58	71	71	71	70	74	71	68	67	60	57
28	58	57	53	52	50	49	49	47	50	50	62	56	59	57	71	70	71	70	76	74	68	66	61	58
29	57	56	53	52	49	48	48	47			59	56	59	57	71	69	73	70	75	75	67	66	60	58
30	56	55	52	52	49	49	48	48			57	55	61	58	75	70	73	71	75	74	68	66	60	59
31	56	55			49	49	48	48			56	55			74	72			74	72	68	68		
Max	63		58		54		51		50		62		62		75		81		82		78		69	
Min	55		52		48		46		47		47		54		59		66		69		66		57	
Avg	57		54		51		48		48		52		57		66		72		73		70		62	

TABLE D-9 (CONT)

DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

(In Degrees Fahrenheit)

AO 5990.00 FEATHER RIVER FISH HATCHERY

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	53	52	53	53	NR	NR	49	49	47	47	47	46	52	51	53	52	58	56	62	61	62	61	55	53
2	54	52	54	53	NR	NR	49	49	47	47	47	46	52	51	53	53	58	57	62	61	61	60	55	53
3	54	53	54	53	NR	NR	49	49	47	47	47	47	51	50	54	53	58	57	62	60	62	58	55	54
4	55	54	53	53	NR	NR	49	48	47	47	47	47	52	51	54	53	58	57	61	60	62	60	55	54
5	55	54	54	53	NR	NR	48	48	47	47	47	47	53	51	54	53	58	57	60	59	62	61	56	54
6	55	53	54	53	NR	NR	48	48	47	47	47	47	53	51	53	52	58	58	60	59	63	61	55	54
7	54	53	53	53	NR	NR	48	48	47	47	47	47	52	50	53	52	58	57	60	59	63	61	55	54
8	54	53	53	52	NR	NR	48	48	47	47	47	47	51	50	53	53	58	57	61	60	63	62	56	54
9	55	54	53	52	52*	52*	48	48	47	47	47	47	51	50	54	53	58	56	60	59	63	62	56	55
10	54	53	53	52	51	50	48	47	47	47	47	47	52	51	55	53	57	57	60	59	63	60	56	55
11	54	53	53	52	51	49	47	47	47	47	47	47	53	51	54	53	59	58	61	60	63	62	57	56
12	54	52	53	52	51	51	47	47	47	46	47	47	51	51	54	51	60	58	60	60	63	62	57	56
13	54	51	53	52	51	51	48	47	46	45	47	47	52	50	53	52	60	59	61	59	63	60	56	55
14	52	51	53	52	52	51	48	47	47	46	47	47	51	50	55	53	60	59	61	60	61	58	57	56
15	53	52	52	52	52	51	48	47	47	47	48	47	51	50	56	54	59	58	61	60	61	60	58	56
16	52	52	53	52	51	51	51	47	47	47	49	48	51	51	56	55	59	58	61	59	60	59	56	55
17	53	52	NR	NR	51	51	47	46	47	46	49	49	52	51	56	55	59	58	62	60	61	58	56	53
18	53	53	NR	NR	51	51	48	47	47	46	49	49	52	51	56	55	59	58	62	61	61	60	53	52
19	53	52	NR	NR	51	51	48	48	47	47	50	49	53	51	55	55	60	59	62	61	61	59	52	52
20	53	52	NR	NR	51	49	48	47	47	47	49	48	52	51	55	54	60	59	61	59	61	60	53	52
21	53	52	NR	NR	50	50	48	47	47	47	49	49	52	51	56	54	60	59	61	60	62	60	55	52
22	53	52	NR	NR	51	50	47	46	47	47	50	49	51	51	56	55	61	59	62	60	62	61	55	52
23	52	49	NR	NR	51	50	48	47	47	47	51	48	52	51	57	56	61	59	62	59	61	61	54	52
24	52	50	NR	NR	50	50	47	47	47	47	50	49	52	51	57	56	61	60	60	59	62	60	54	53
25	52	52	NR	NR	51	50	48	47	47	47	50	49	51	51	56	55	61	60	60	60	62	60	54	53
26	53	52	NR	NR	50	50	48	48	47	47	51	49	51	51	57	55	61	60	60	59	62	61	55	53
27	53	51	NR	NR	51	50	48	47	47	47	52	50	52	51	56	56	61	61	61	59	62	61	55	55
28	53	52	NR	NR	51	50	48	47	47	47	52	51	52	50	57	56	61	60	61	59	62	61	56	52
29	53	53	NR	NR	50	50	48	48			53	51	52	52	57	56	61	59	61	59	61	60	53	51
30	53	53	NR	NR	50	50	48	48			53	51	52	52	58	56	61	60	61	60	60	59	53	51
31	54	53			50	49	48	47			52	51			58	56			61	61	60	55		
Max	55		NR		NR		51		47		53		53		58		61		62		63		58	
Min	49		NR		NR		46		45		46		50		51		56		59		55		51	
Avg	53		NR		NR		48		47		48		51		54		59		60		61		54	

* Indicates value based on partial days record.
NR No Record

AO 6120.00 YUBA RIVER AT MARYSVILLE

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	74	71	64	62	52	50	48	44	49	46	50	48	NR	NR	59	52	64	52	NR	NR	70	60	71	62
2	71	66	65	62	52	50	48	44	49	46	50	46	NR	NR	59	51	NR	NR	NR	NR	71	60	71	62
3	66	64	65	62	51	50	47	44	49	46	50	46	57	49	59	51	NR	NR	NR	NR	71	61	70	63
4	66	62	64	62	51	50	47	44	50	47	48	46	58	50	59	51	67	57	NR	NR	70	61	69	62
5	67	63	63	61	50	48	46	43	50	47	50	46	58	51	57	50	63	52	75	69	71	61	68	60
6	67	64	61	59	51	50	46	43	49	47	51	47	58	51	54	44	65	55	74	67	71	62	70	61
7	66	64	59	57	50	49	46	44	51	47	50	48	57	50	57	49	63	56	74	68	71	62	70	63
8	66	63	58	56	50	49	46	46	51	47	52	48	57	51	56	52	NR	54	74	68	72	62	70	63
9	67	64	58	57	52	50	48	46	50	48	49	47	58	52	60	54	NR	NR	73	67	72	62	69	62
10	67	64	58	57	51	50	48	46	51	48	NR	NR	58	53	60	52	62E	NR	72	65	72	63	68	62
11	64	61	58	57	51	50	48	46	51	48	NR	NR	57	52	55	48	63	53	73	66	72	63	69	62
12	64	60	58	57	52	50	48	47	51	48	NR	NR	58	51	53	48	62	54	75	67	72	63	69	62
13	64	62	58	57	53	52	48	46	49	48	NR	NR	NR	NR	56	49	63	55	75	69	72	63	68	61
14	63	62	58	57	53	52	48	46	51	48	NR	NR	NR	NR	58	49	63	55	76	70	72	63	68	61
15	62	61	58	57	53	52	48	46	50	48	NR	NR	58	50	58	49	65	55	75	70	72	63	67	61
16	64	61	58	57	52	50	50	47	49	48	NR	NR	57	53	58	50	NR	56E	73	66	72	63	68	60
17	64	62	57	54	52	50	49	47	49	47	NR	NR	58	52	58	50	NR	NR	75	69	72	63	68	60
18	63	62	54	52	52	51	50	49	50	47	NR	NR	57	54	58	50	NR	NR	76	70	72	63	68	60
19	62	60	54	53	53	52	50	49	50	46	NR	NR	59	54	58	51	NR	NR	76	70	72	62	68	60
20	64	62	55	53	54	52	50	49	51	46	NR	NR	58	52	60	50	NR	NR	77	67	71	62	66	59
21	65	63	54	53	54	52	51	50	51	46	NR	NR	57	53	61	50	NR	58E	70	60	71	62	66	59
22	66	64	54	53	54	51	51	49	52	47	NR	NR	60	54	59	51	NR	NR	70	60	71	63	68	61
23	65	63	54	53	51	50	49	48	51	47	NR	NR	59	55	61	52	NR	NR	70	60	71	62	69	64
24	65	63	54	53	50	49	48	47	51	47	NR	NR	61	55	62	52	NR	NR	70E	60E	71	62	67	64
25	64	62	54	53	51	48	48	47	52	47	NR	NR	61	56	62	52	NR	NR	70	60	71	62	67	61
26	64	62	54	52	50	48	49	48	52	47	NR	NR	60	50	62	52	NR	NR	70	60	71	62	67	63
27	64	62	54	52	48	47	49	48	52	47	NR	NR	57	52	NR	NR	NR	NR	69	60	71	62	67	60
28	64	62	53	52	48	46	48	46	50	48	NR	NR	57	50	NR	NR	NR	NR	69	60	71	63	67	61
29	63	60	52	51	48	46	48	46			NR	NR	58	51	NR	NR	NR	NR	69	59	71	63	67	60
30	64	61	52	51	48	45	48	46			NR	NR	58	52	61	52	NR	NR	69	59	70	62	67	63
31	64	62			48	45	48	46			NR	NR			62	52			69	59	72	63		
Max	74		65		54		51		52		NR		NR		NR		NR		NR		72		71	
Min	60		51		45		43		46		NR		NR		NR		NR		NR		60		59	
Avg	64		56		50		47		49		NR		NR		NR		NR		NR		67		65	

NR - No Record
E - Estimated

TABLE D-9 (CONT)

DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

(In Degrees Fahrenheit)

B9 D 747.2 118.4 SAN JOAQUIN RIVER AT MOSSDALE BRIDGE

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1									50	49	54	53	NR	NR	66	61	71	69	NR	NR	76	72	75	73
2									50	49	53	52	NR	NR	69	65	73	71	NR	NR	78	74	75	72
3									50	49	53	52	NR	NR	71	69	72	70	77	75	79	75	74	71
4									51	49	52	51	NR	NR	72	70	72	70	78	75	78	74	73	71
5									51	50	51	50	NR	NR	71	68	71	69	77	76	78	74	72	69
6									51	50	51	50	NR	NR	69	67	NR	NR	76	73	78	74	72	69
7									50	50	52	50	NR	NR	68	66	NR	NR	76	73	79	74	74	71
8									51	50	53	51	NR	NR	68	67	NR	NR	77	74	78	74	77	74
9									51	50	54	52	64	63	68	66	NR	NR	76	74	80	76	78	74
10							50	49	51	50	54	53	65	62	67	65	NR	NR	76	74	81	77	78	75
11							51	50	52	51	54	54	68	61	66	64	NR	NR	75	73	81	78	78	75
12							53	51	53	52	54	53	70	65	66	64	NR	NR	76	73	81	77	76	73
13							53	52	53	52	56	53	66	62	68	66	NR	NR	76	73	80	76	74	71
14							53	53	53	52	57	55	62	59	69	67	NR	NR	77	74	80	76	74	69
15							53	52	52	51	58	56	62	57	72	68	NR	NR	76	73	80	76	69	68
16							53	52	53	52	57	55	63	58	75	71	NR	NR	76	72	79	76	70	68
17							52	51	53	52	56	53	64	60	75	73	NR	NR	77	73	79	77	71	69
18							52	51	53	52	54	52	65	60	73	70	NR	NR	78	74	79	77	72	70
19							51	50	52	51	NR	NR	64	60	71	68	NR	NR	79	76	79	76	71	69
20							51	51	51	50	NR	NR	64	61	70	67	NR	NR	81	78	77	74	70	68
21							52	51	51	50	NR	NR	64	61	70	67	NR	NR	81	78	77	74	70	68
22							53	51	51	50	NR	NR	63	59	70	67	NR	NR	79	76	76	73	69	67
23							53	52	52	50	NR	NR	65	59	71	68	NR	NR	79	75	76	73	69	67
24							52	52	52	51	NR	NR	65	61	72	69	NR	NR	81	75	75	73	70	68
25							52	51	53	51	NR	NR	66	62	70	70	NR	NR	81	75	75	73	71	69
26							51	51	54	52	NR	NR	65	63	73	71	NR	NR	80	75	75	72	69	68
27							52	50	54	53	NR	NR	64	59	73	69	NR	NR	80	75	74	72	69	67
28							51	49	55	53	NR	NR	60	57	70	68	NR	NR	79	75	74	71	70	68
29							49	48	55	54	NR	NR	58	58	69	67	NR	NR	78	75	74	71	71	69
30							49	48			NR	NR	59	57	69	67	NR	NR	79	75	75	72	71	70
31							50	49			NR	NR			71	68			77	72	74	72		
Max							NR		55		NR		NR		75		NR		NR		81		78	
Min							NR		49		NR		NR		61		NR		NR		71		67	
Avg							NR		51		NR		NR		69		NR		NR		76		71	

Recorder installed January 9, 1970.
NR - No Record

B9 D 749.5 133.1 OLD RIVER AT CLIFTON COURT FERRY

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	68	68	60	60	51	50	48	47	50	49	55	55	59	58	63	61	72	71	72	72	75	75		
2	68	67	60	60	50	50	47	47	51	50	55	54	59	58	65	63	73	72	74	72	75	75		
3	67	66	60	60	50	50	47	46	51	51	54	53	59	59	66	64	73	73	75	74	76	75		
4	66	64	60	60	50	50	46	46	51	51	54	53	59	59	68	65	73	73	76	75	76	76		
5	64	63	60	60	50	49	46	46	51	51	53	52	60	59	67	65	73	73	76	76	76	75		
6	63	63	60	60	49	49	46	45	51	51	53	52	61	60	66	65	73	73	76	76	75	75	N	
7	63	62	60	59	49	49	45	45	52	51	53	52	61	60	65	64	73	72	76	76	75	75		
8	62	62	59	58	49	49	45	45	51	51	54	53	61	60	65	64	72	71	77	76	75	75	O	
9	62	62	58	58	49	49	46	45	51	51	54	54	61	61	66	64	71	70	77	77	76	75		
10	63	62	58	57	50	49	47	46	51	51	55	54	61	61	65	64	70	70	77	76	77	76		
11	62	62	57	57	50	50	48	47	52	51	55	55	61	61	64	63	70	69	76	76	77	77	R	
12	62	61	57	57	50	50	49	48	53	52	56	55	61	61	65	64	69	69	76	76	77	77		
13	61	61	57	57	51	50	50	49	53	53	56	55	61	61	65	64	69	69	76	76	NR	NR	E	
14	61	61	57	57	51	51	51	50	54	53	58	56	61	60	66	64	69	69	76	76	NR	NR		
15	61	61	57	57	52	51	51	51	54	53	58	57	60	59	68	66	70	69	76	76	NR	NR	C	
16	62	61	57	57	53	52	52	51	54	53	59	58	59	59	70	67	70	70	76	75	NR	NR	O	
17	61	61	57	57	53	53	52	52	53	53	58	57	59	59	71	69	70	69	75	75	NR	NR		
18	61	61	57	55	53	52	52	52	53	53	57	56	59	59	71	70	70	69	76	75	NR	NR	R	
19	61	61	55	54	52	52	52	52	53	52	56	55	59	59	70	68	71	70	76	76	NR	NR		
20	61	60	55	54	52	52	52	52	53	52	56	55	59	59	68	67	73	71	76	76	NR	NR	D	
21	62	62	54	54	53	52	53	52	52	52	56	56	60	59	68	67	74	73	76	76	NR	NR		
22	62	61	54	53	53	53	53	53	52	52	57	56	60	59	69	68	75	74	76	76	NR	NR		
23	61	60	53	53	54	53	54	53	52	52	58	57	62	59	69	69	75	75	76	76	NR	NR		
24	61	61	53	53	54	54	54	53	53	52	59	58	62	60	70	69	75	75	76	76	NR	NR		
25	61	61	53	53	54	54	53	52	54	53	60	59	62	61	70	70	75	75	77	76	NR	NR		
26	61	61	53	52	54	53	52	51	54	54	60	60	61	61	70	70	75	74	77	77	NR	NR		
27	61	61	52	52	53	53	52	51	55	54	60	60	61	60	70	70	74	73	77	77	NR	NR		
28	61	60	52	52	53	51	52	51	55	55	60	60	60	59	70	69	73	72	77	76	NR	NR		
29	60	60	52	51	51	49	51	50			60	60	60	59	69	69	72	72	76	76	NR	NR		
30	60	60	51	51	49	48	50	49			60	59	61	60	70	69	72	72	76	76	NR	NR		
31	60	59			48	48	50	49			59	59			71	70			76	75	NR	NR		
Max	68		60		54		54		55		60		62		71		75		77		NR		NR	
Min	59		51		48		45		49		52		58		61		69		72		NR		NR	
Avg	62		56		51		49		52		56		60		67		72		76		NR		NR	

NR - No Record

TABLE D-9 (CONT)

DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

(In Degrees Fahrenheit)

B9 D 757.8 121.9 STOCKTON SHIP CHANNEL AT BURNS CUTOFF

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	75	72	62	60	53	50	48	46	NR	NR	53	52	62	58	NR	NR	76	73	78	73	79	77	77	74
2	75	72	63	60	53	50	47	46	NR	NR	54	51	61	59	NR	NR	76	73	78	73	80	77	77	74
3	73	70	63	60	52	50	47	45	NR	NR	53	51	61	59	NR	NR	78	73	78	74	81	77	77	74
4	70	68	62	61	51	50	46	45	NR	NR	53	51	63	59	NR	NR	79	73	79	75	80	77	75	74
5	72	67	62	60	51	49	46	44	NR	NR	54	50	63	60	NR	NR	76	73	79	75	79	77	75	73
6	71	67	61	60	50	49	45	44	50	49	53	50	63	60	NR	NR	76	74	78	75	79	77	76	73
7	68	65	61	60	50	49	45	45	50	49	54	52	62	60	NR	NR	75	73	80	76	79	77	76	74
8	66	65	60	59	50	49	46	45	50	49	55	53	63	60	NR	NR	73	71	79	76	79	77	76	74
9	66	64	60	59	50	49	46	45	50	49	55	54	64	60	66	64	72	71	78	76	81	78	76	74
10	66	64	60	58	50	49	47	46	50	49	56	54	63	61	66	64	72	70	78	74	80	78	77	74
11	65	63	60	57	51	50	48	46	51	50	55	55	63	61	66	64	71	69	78	75	80	78	77	74
12	66	62	60	57	51	50	50	48	52	50	57	54	64	61	67	64	71	70	78	76	80	78	76	74
13	64	62	59	57	52	50	50	49	51	51	58	55	61	60	67	65	70	68	78	75	80	78	76	74
14	64	62	60	58	52	51	52	50	52	51	58	56	61	60	68	65	70	68	79	76	80	78	75	73
15	63	62	59	58	52	51	52	51	52	51	58	56	63	59	70	66	70	68	79	76	80	78	75	73
16	64	62	59	58	52	52	53	52	52	51	60	57	62	59	71	67	71	68	78	75	80	78	75	73
17	63	62	58	57	53	52	55	52	52	50	58	57	62	58	72	68	71	68	79	76	80	78	75	73
18	64	61	58	57	53	52	54	53	51	50	58	55	63	58	72	68	72	69	79	76	80	78	76	73
19	64	61	57	56	53	52	53	53	52	50	58	55	63	59	71	69	74	70	NR	NR	80	78	74	73
20	NR	NR	57	56	54	53	53	52	51	49	59	55	62	58	71	69	75	72	NR	NR	79	77	74	72
21	NR	NR	56	54	54	53	54	53	51	50	58	55	62	59	71	69	76	72	NR	NR	79	77	73	72
22	63	61	56	54	54	52	55	54	51	49	59	56	64	59	72	69	77	73	NR	NR	79	77	74	71
23	63	61	55	54	53	53	55	54	52	50	61	57	NR	NR	72	70	76	73	NR	NR	78	76	73	72
24	63	62	54	53	54	53	NR	NR	52	51	62	58	NR	NR	73	70	77	74	80	78	78	76	73	71
25	63	61	54	53	55	53	NR	NR	53	51	61	59	NR	NR	73	70	76	74	80	78	78	76	73	71
26	64	61	54	52	54	53	NR	NR	54	51	61	59	NR	NR	73	71	77	75	80	78	77	75	73	71
27	62	61	53	52	53	52	NR	NR	54	52	61	59	NR	NR	74	71	77	74	80	78	78	75	73	71
28	63	61	53	52	52	51	NR	NR	54	53	62	59	NR	NR	73	71	75	74	80	78	77	75	73	71
29	64	60	53	51	51	48	NR	NR			61	60	NR	NR	73	71	74	73	80	79	77	75	73	71
30	64	60	52	51	49	47	NR	NR			60	59	NR	NR	73	72	75	73	80	78	77	74	72	71
31	63	60			48	47	NR	NR			60	59			75	72			79	77	77	74		
Max	NR		63		55		NR		NR		62		NR		NR		79		NR		81		77	
Min	NR		51		47		NR		NR		50		NR		NR		68		NR		74		71	
Avg	NR		57		51		NR		NR		56		NR		NR		73		NR		78		74	

NR - No Record

B9 D 759.8 125.1 SAN JOAQUIN RIVER AT RINDGE PUMP

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	74	73	63	62	51	50	49	48	51	50	55	54	NR	NR	64	60	75	74					NR	NR
2	73	72	63	62	51	50	48	47	51	50	55	54	NR	NR	64	62	78	75					NR	NR
3	72	68	63	61	51	50	47	47	51	50	54	53	NR	NR	65	63	76	74					76	74
4	69	65	63	62	51	50	47	46	51	50	54	53	NR	NR	65	64	76	74					75	73
5	69	67	63	62	50	49	46	46	51	51	53	51	NR	NR	68	64	76	74					73	72
6	69	67	62	62	50	49	46	45	51	51	52	51	NR	NR	66	65	76	73	N		N		74	71
7	68	67	62	61	50	49	45	45	51	51	53	52	NR	NR	68	64	75	74					74	72
8	67	66	61	61	49	49	45	45	51	51	54	52	NR	NR	66	66	74	73	O		O		75	73
9	66	65	61	60	50	49	46	45	51	51	54	54	64	60	68	66	73	72					77	74
10	66	64	60	60	50	49	48	46	51	51	54	53	63	61	69	66	73	71					76	74
11	64	62	60	60	49	49	48	47	52	51	55	54	63	60	69	68	74	71	R		R		75	74
12	64	63	60	59	50	49	48	47	53	52	55	54	62	60	69	67	72	71					75	74
13	64	63	60	59	50	50	49	48	53	52	57	55	60	58	71	69	72	71	E		E		74	72
14	64	64	60	59	51	50	50	49	53	52	57	55	59	58	72	69	73	71					73	72
15	64	63	60	59	51	51	51	50	53	52	58	56	61	58	75	71	73	71	C		C		73	72
16	63	62	59	59	51	51	52	51	53	53	59	57	60	59	76	73	73	71	O		O		73	71
17	63	63	59	57	51	51	53	52	53	53	58	57	60	59	76	74	73	71					75	72
18	63	62	58	57	51	51	53	53	53	52	NR	NR	61	59	75	73	74	71	R		R		74	72
19	63	61	58	57	52	51	53	53	52	51	NR	NR	61	60	73	71	74	72					73	72
20	63	62	58	57	53	52	53	53	52	51	NR	NR	60	60	72	70	76	73	D		D		72	71
21	63	62	57	57	53	53	53	53	52	52	NR	NR	61	59	73	70	77	74					72	70
22	63	63	57	56	53	53	54	53	53	52	NR	NR	63	59	74	72	78	74					73	69
23	63	63	57	56	53	53	54	54	52	52	NR	NR	63	60	74	72	76	75					73	70
24	63	63	56	55	53	53	54	53	53	52	NR	NR	63	60	75	72	77	74					72	70
25	63	62	55	54	53	53	53	52	54	53	NR	NR	63	60	74	72	76	75					72	69
26	63	63	54	54	53	52	53	52	54	53	NR	NR	61	60	73	71	76	75					72	70
27	63	63	54	53	52	51	53	52	55	54	NR	NR	60	59	73	71	77	74					72	70
28	63	62	54	53	51	49	52	51	55	55	NR	NR	60	59	73	71	75	74					72	70
29	63	62	53	53	51	49	51	51			NR	NR	61	59	74	72	75	74					72	71
30	63	62	53	51	50	49	51	50			NR	NR	62	59	74	72	75	74					72	70
31	62	62			50	48	51	50			NR	NR			75	73								
Max	74		63		53		54		55		NR		NR		76		78		NR		NR		NR	
Min	61		51		48		45		50		NR		NR		60		71		NR		NR		NR	
Avg	65		58		51		50		52		NR		NR		70		74		NR		NR		NR	

NR - No Record

TABLE D-9 (CONT)

DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

(In Degrees Fahrenheit)

B9 D 801.1 148.1 SAN JOAQUIN RIVER AT ANTIOCH

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	71	69													65	59	71	68	NR	NR	73	71	70	68
2	71	68													65	61	71	68	NR	NR	73	71	70	68
3	68	65													66	62	71	68	71	69	73	71	70	68
4	68	64													66	63	71	68	71	69	73	72	70	68
5	68	64													66	63	70	68	71	69	73	72	69	68
6	68	65													65	62	69	67	71	69	74	73	70	68
7	68	65													66	62	68	67	71	69	75	73	72	69
8	72	66													64	62	67	66	71	69	76	72	NR	NR
9	72	64													65	62	67	66	71	69	77	74	NR	NR
10	73	62													65	62	68	65	71	69	78	74	NR	NR
11	74	59													64	62	66	65	71	70	77	74	72	71
12	81	65													65	61	67	65	71	70	76	74	72	70
13	72	63													67	62	67	65	71	70	75	73	71	70
14	75	64													67	63	67	66	71	70	75	73	71	70
15	72	60													68	64	67	66	70	70	74	72	71	69
16	73	64													70	66	67	65	70	69	73	71	72	69
17	68	62													70	67	67	66	72	71	73	70	72	70
18	72	60													69	66	67	65	72	71	73	70	72	70
19	79	61													69	66	67	66	72	71	NR	NR	72	70
20	77	62													68	66	68	66	73	71	NR	NR	71	70
21	84	60													68	66	68	66	73	71	NR	NR	71	69
22	73	61													68	66	68	66	73	71	70	68	70	68
23	69	62													69	66	67	66	73	72	70	68	71	69
24	70	62													70	67	67	66	73	72	70	68	71	69
25	75	60													69	66	NR	NR	73	72	70	68	70	68
26															68	67	NR	NR	73	72	70	68	70	68
27															68	66	NR	NR	73	72	70	68	70	68
28															69	66	NR	NR	73	72	70	68	71	69
29													61	58	70	66	NR	NR	73	72	69	68	72	69
30													63	59	71	67	NR	NR	74	72	69	68	71	70
31															72	67			73	72	69	67		
Max															72		NR		NR		NR		NR	
Min															59		NR		NR		NR		NR	
Avg															66		NR		NR		NR		NR	

NR - No Record

B9 D 814.5 130.8 SACRAMENTO RIVER AT WALNUT GROVE

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	66	65	59	59	52	51	48	48	48	48	51	51	55	54	60	58	73	70	75	71	74	71	71	70
2	66	66	59	59	52	51	48	48	48	48	51	51	57	55	61	59	74	71	75	72	75	72	72	70
3	66	64	59	58	51	51	48	48	48	48	51	50	57	56	63	61	73	71	75	72	74	72	71	70
4	64	62	59	58	51	51	48	48	49	48	51	51	57	56	64	63	73	72	76	72	74	73	71	69
5	63	62	59	58	51	51	48	48	49	49	51	50	58	57	64	63	72	72	76	74	74	72	70	69
6	62	61	59	58	51	51	48	47	50	49	50	50	58	58	64	63	72	71	76	74	75	72	69	68
7	62	61	58	58	51	51	47	46	50	50	50	50	59	58	63	63	72	71	76	74	74	73	69	68
8	61	61	58	57	51	50	46	46	50	50	50	50	59	59	63	61	71	70	75	74	76	73	70	69
9	61	60	57	57	50	50	46	46	50	50	51	50	59	59	62	61	70	68	75	74	76	74	72	70
10	61	60	57	57	51	50	47	46	50	50	51	51	59	59	62	61	69	66	74	73	77	75	73	71
11	60	59	57	56	51	51	48	47	51	50	51	51	59	59	62	61	66	65	73	72	78	75	72	71
12	60	59	56	56	51	51	48	48	51	51	51	51	59	58	63	62	66	65	74	72	78	76	71	70
13	60	59	56	56	51	51	49	48	51	51	51	51	58	57	63	62	67	65	74	72	78	76	70	69
14	59	59	56	56	52	51	49	49	51	51	52	51	57	57	62	61	68	65	75	73	77	76	69	68
15	59	59	57	56	53	52	49	49	51	51	53	52	58	56	63	61	69	66	74	73	77	75	68	67
16	59	59	57	56	53	53	49	49	51	51	53	53	57	56	65	63	70	68	74	72	77	75	67	67
17	59	59	56	56	53	53	50	49	51	50	54	53	57	56	65	64	71	69	75	72	77	75	67	66
18	59	59	56	55	53	52	50	50	50	50	53	53	57	57	66	65	73	69	76	73	75	74	68	66
19	59	58	55	54	52	52	50	50	50	49	53	52	58	57	66	65	75	72	77	74	75	74	67	67
20	58	58	54	53	52	52	50	50	49	49	52	52	59	58	68	66	77	74	77	75	75	73	67	66
21	58	58	53	52	53	52	50	50	49	49	52	52	59	57	68	65	78	76	77	75	74	72	66	65
22	59	58	52	52	53	53	51	50	49	49	53	52	60	58	69	66	80	77	77	75	72	71	66	65
23	59	59	52	52	53	53	51	51	50	49	54	53	58	58	69	67	77	76	76	74	73	71	67	66
24	59	59	52	52	53	53	51	51	50	50	55	54	59	58	70	68	77	76	75	73	73	71	67	66
25	59	59	52	52	53	52	51	50	50	50	55	54	59	58	69	69	77	76	75	73	72	71	66	65
26	60	59	52	52	52	52	50	50	50	50	55	55	59	58	69	68	77	76	75	73	72	71	66	65
27	60	60	52	52	52	51	50	50	51	50	55	55	58	58	69	68	76	74	75	73	72	71	66	65
28	60	59	52	52	51	49	50	49	51	51	56	55	59	58	69	67	74	72	75	73	72	71	66	65
29	60	59	52	52	49	49	49	49			56	56	59	57	69	67	73	72	75	73	71	70	66	65
30	59	59	52	52	49	48	49	48			56	55	60	58	70	68	73	71	74	72	71	70	66	65
31	59	58			48	48	48	48			55	54			71	69			74	72	71	70		
Max	66		59		53		51		51		56		60		71		80		77		78		73	
Min	58		52		48		46		48		50		54		58		65		71		70		65	
Avg	60		55		51		49		50		52		58		65		74		74		74		68	

TABLE D-10

DAILY MAXIMUM, MINIMUM AND AVERAGE SPECIFIC CONDUCTANCE

(In Micromhos at 25° C)

AO 2420.00 SACRAMENTO RIVER AT COLUSA

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		
25																		
26																		
27																		
28																		
29																		
30																		
31																		

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1												112			125			120
2												112			128			119
3												113			132			119
4												113			130			122
5												114			131			123
6												114			131			123
7												114			132			124
8												114			133			124
9												115			133			124
10												117			133			122
11												120			134			122
12												108			134			123
13												107			133			124
14												110			135			126
15												115			137			126
16												114			138			126
17												115			138			126
18												116			138			126
19												118			117			127
20												118			117			127
21												120			117			127
22												122			118			127
23												123			119			127
24												124			118			128
25												124			117			126
26												125			117			127
27												122			117			127
28												120			118			126
29									114			121			118			126
30									112			123			119			127
31												125			120			

Recorder installed June 28, 1970.

DAILY MAXIMUM, MINIMUM AND AVERAGE SPECIFIC CONDUCTANCE

(In Micromhos at 25° C)

AO 2630.00 SACRAMENTO RIVER AT HAMILTON CITY

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		
25																		
26																		
27																		
28																		
29																		
30																		
31																		

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1												109			111			114
2												109			111			114
3												110			111			115
4												110			111			116
5												110			111			117
6												110			111			122
7												110			111			122
8												110			111			122
9												110			111			122
10												110			111			122
11												111			111			122
12												111			111			122
13												111			112			122
14												111			112			122
15												111			112			121
16												111			112			121
17												111			112			121
18												111			112			121
19												111			112			100
20												111			112			113
21												111			112			110
22												111			112			113
23												111			112			NR
24												111			112			112
25												111			112			NR
26									109			111			112			NR
27									109			111			112			NR
28									109			111			112			NR
29									109			111			112			NR
30									109			111			113			NR
31												111			114			

NR - No Record

TABLE D-10 (CONT)

DAILY MAXIMUM, MINIMUM AND AVERAGE SPECIFIC CONDUCTANCE

(In Micromhos at 25° C)

AO 2947.10 COLUSA BASIN DRAIN NEAR KNIGHTS LANDING

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1						690			880									NR
2						670			910									NR
3						680			920									NR
4						690			890									NR
5						710			880									NR
6						700			880			N			N			NR
7						650			880									NR
8						640			890			O			O			NR
9						570			900									NR
10						530			920									NR
11						530			940			R			R			NR
12						550			940									NR
13						540			940			E			E			NR
14						520			930									NR
15						510			930			C			C			NR
16			680			510			NR			O			O			NR
17			680			550			NR									NR
18			680			580			NR			R			R			NR
19			660			610			NR									NR
20			570			640			NR			D			D			NR
21			550			680			NR									NR
22			620			710			NR									NR
23			640			740			NR									NR
24			630			770			NR									NR
25			620			780			NR									NR
26			630			790			NR									NR
27			640			810			NR									1,220
28			660			820			NR									1,220
29			680			820			NR									1,240
30			680			840			NR									1,260
31			680						NR									1,270

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1			1,270			460			730			NR			600			550
2			1,260			460			705			NR			600			550
3			1,200			480			700			NR			600			550
4			850			505			700			NR			600			550
5			650			545			705			NR			600			550
6			680			525			710			NR			600			550
7			680			480			750			NR			600			550
8			680			465			760			NR			600			550
9			630			440			765			NR			600			550
10			570			440			750			NR			600			550
11			540			435			700			NR			600			540
12			530			440			600			NR			600			535
13			560			445			550			NR			600			NR
14			685			445			530			NR			600			NR
15			730			450			540			NR			600			NR
16			750			465			NR			NR			600			NR
17			775			490			NR			NR			600			NR
18			730			540			NR			NR			600			NR
19			695			580			NR			NR			600			NR
20			720			650			NR			NR			575			NR
21			765			620			NR			NR			575			NR
22			755			600			NR			NR			580			NR
23			750			560			NR			NR			585			NR
24			730			560			NR			NR			570			NR
25			700			570			NR			NR			570			NR
26			660			590			NR			NR			570			NR
27			655			600			NR			NR			570			NR
28			600			615			NR			NR			570			NR
29			550			650			NR			590			550			NR
30			500			710			NR			600			555			NR
31						760						600			555			

NR - No Record

DAILY MAXIMUM, MINIMUM AND AVERAGE SPECIFIC CONDUCTANCE

(In Micromhos at 25° C)

AO 6120.00 YUBA RIVER AT MARYSVILLE

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	125	123	124	119	116	117	113	111	112	87	83	85	59	57	58	67	59	64
2	125	124	124	126	118	120	113	112	113	86	82	84	62	59	60	61	59	60
3	126	124	125	118	117	118	113	111	112	82	80	81	59	57	58	64	61	62
4	128	124	126	118	116	117	111	110	111	82	80	81	62	59	61	66	60	62
5	129	125	127	116	113	114	111	110	111	80	79	80	64	60	61	63	62	62
6	128	126	127	113	109	112	112	111	111	79	78	78	60	58	59	64	63	64
7	129	126	127	116	112	115	112	111	111	78	78	78	66	60	62	65	63	64
8	130	128	129	116	115	116	111	110	111	78	76	77	68	60	64	68	63	64
9	129	128	128	116	115	116	110	109	110	78	76	77	68	61	63	66	63	65
10	129	128	128	118	116	117	110	109	110	91	78	84	63	60	62	NR	NR	NR
11	135	128	130	117	116	116	109	105	107	81	80	81	65	60	62	NR	NR	NR
12	136	120	127	117	116	116	108	106	107	87	81	84	60	60	60	NR	NR	NR
13	129	117	120	117	116	116	108	104	106	87	64	76	64	59	61	NR	NR	NR
14	127	115	120	118	116	117	110	106	109	68	58	63	62	60	61	NR	NR	NR
15	125	112	116	118	116	117	110	110	110	65	62	63	62	60	61	NR	NR	NR
16	112	105	108	117	117	117	110	110	110	66	52	60	62	60	61	NR	NR	NR
17	110	105	107	118	117	117	110	101	106	56	46	52	65	59	61	NR	NR	NR
18	113	110	112	117	116	116	110	109	110	58	54	56	61	60	60	NR	NR	NR
19	113	112	113	117	116	116	110	103	106	60	58	59	62	60	61	NR	NR	NR
20	112	112	112	116	116	116	122	103	110	60	59	60	66	62	64	NR	NR	NR
21	114	112	113	116	115	116	108	74	94	61	53	57	65	62	63	NR	NR	NR
22	116	114	115	116	116	116	100	75	90	53	51	52	66	61	63	NR	NR	NR
23	116	115	116	116	116	116	105	96	99	53	50	52	66	60	63	NR	NR	NR
24	120	115	117	116	116	116	104	66	82	55	50	53	65	59	62	NR	NR	NR
25	127	115	120	116	115	115	76	62	70	53	51	52	64	59	62	NR	NR	NR
26	117	116	117	115	114	115	68	62	66	53	51	52	63	62	62	NR	NR	NR
27	127	115	120	115	113	114	70	68	69	56	52	54	63	62	63	NR	NR	NR
28	127	115	119	113	112	113	72	70	71	56	55	55	63	62	63	NR	NR	NR
29	124	115	118	112	111	112	75	72	74	56	51	53				NR	NR	NR
30	125	115	120	113	111	112	84	75	79	56	51	53				NR	NR	NR
31	116	116	116				86	82	84	58	56	57				NR	NR	NR

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	NR	NR	NR	NR	NR	NR	80	67	71	NR	NR	NR	82	77	79	NR	NR	NR
2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	80*	85	75	79	78	76	77
3	78	78	78	NR	NR	NR	NR	NR	NR	NR	NR	NR	80	76	79	78	76	76
4	78	78	78	NR	NR	NR	78	68	75	NR	NR	NR	80	77	78	76	76	76
5	NR	NR	NR	NR	NR	NR	75	68	72	NR	NR	NR	80	76	79	76	76	76
6	NR	NR	NR	NR	NR	NR	75	75	75	NR	NR	NR	81	77	79	76	76	76
7	82	80	81	NR	NR	NR	75	75	75	NR	NR	NR	81	77	79	76	76	76
8	88	82	84	NR	NR	NR	NR	NR	NR	NR	NR	NR	82	78	80	76	75	76
9	86	83	85	NR	NR	NR	NR	NR	NR	NR	NR	NR	84	80	82	75	75	75
10	86	85	85	NR	NR	NR	NR	NR	NR	NR	NR	NR	83	77	80	76	75	75
11	88	85	86	NR	NR	NR	75	70	72	NR	NR	NR	80	78	79	76	75	76
12	90	87	88	NR	NR	NR	75	75	75	NR	NR	NR	NR	NR	NR	77	75	76
13	91	90	90	NR	NR	NR	75	75	75	NR	NR	NR	NR	NR	NR	77	76	76
14	92	91	91	NR	NR	NR	75	75	75	NR	NR	NR	NR	NR	NR	78	77	77
15	96	91	93	NR	NR	NR	76	75	75	NR	NR	NR	NR	NR	NR	79	78	78
16	99	96	97	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	85	79	82
17	97	96	97	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	85	83	84
18	98	95	97	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	84	84	84
19	99	97	98	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	84	84	84
20	100	98	99	70	69	69	NR	NR	NR	NR	NR	NR	NR	NR	NR	84	82	83
21	101	100	101	70	69	70	NR	NR	NR	80	78	79	NR	NR	NR	95	83	86
22	103	100	101	71	70	70	NR	NR	NR	82	80	80	NR	NR	NR	105	95	98
23	105	103	104	71	71	71	NR	NR	NR	82	80	80	NR	NR	NR	118	96	103E
24	106	104	105	71	70	71	NR	NR	NR	NR	NR	NR	NR	NR	NR	115E	100E	107E
25	108	106	106	71	71	71	NR	NR	NR	87	79	80	NR	NR	NR	117E	105E	110E
26	106	103	104	76	70	72	NR	NR	NR	80	78	79	NR	NR	NR	115E	81E	98E
27	103	101	102	NR	NR	NR	NR	NR	NR	80	78	79	NR	NR	NR	109	83	92
28	NR	NR	NR	NR	NR	NR	NR	NR	NR	80	78	79	NR	NR	NR	106	82	90
29	NR	NR	NR	NR	NR	NR	NR	NR	NR	80	77	79	NR	NR	NR	100	82	90
30	NR	NR	NR	NR	NR	NR	NR	NR	NR	80	78	79	NR	NR	NR	105	81	90
31				67	67	67				81	78	79	NR	NR	NR			

NR - No Record
E - Estimated
* - Observation made

TABLE D-10 (CONT)

DAILY MAXIMUM, MINIMUM AND AVERAGE SPECIFIC CONDUCTANCE

(In Micromhos at 25° C)

A0 6550.00 BEAR RIVER NEAR WHEATLAND

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1							84	80	83	62	61	62	NR	NR	NR	65	63	64
2							83	81	82	61	60	61	NR	NR	NR	63	62	63
3							84	82	83	61	60	60	NR	NR	NR	63	63	63
4							86	83	84	60	60	60	NR	NR	NR	64	63	63
5							86	84	85	61	60	61	59	58	58	63	63	63
6							86	84	85	61	61	61	58	57	58	63	63	63
7				79	68	72	86	85	85	61	61	61	58	58	58	64	63	64
8				84	71	78	86	86	86	61	61	61	59	58	59	64	62	63
9				88	80	86	89	83	85	62	60	61	59	59	59	63	62	62
10				96	80	89	120	89	102	62	59	61	59	59	59	63	63	63
11				122	96	100	90	84	85	62	59	61	59	59	59	63	63	63
12				97	85	89	88	84	85	60	58	59	60	59	59	66	63	64
13				92	85	87	89	86	87	60	58	59	61	59	60	68	66	67
14				98	89	93	93	86	90	60	58	59	59	58	58	68	67	68
15				104	98	103	94	92	93	60	60	60	59	58	59	68	66	67
16				104	101	103	94	94	94	60	60	60	60	46	59	68	66	67
17				103	100	102	95	94	95	60	60	60	60	59	59	67	67	67
18				101	99	100	98	95	96	60	60	60	59	58	59	67	66	66
19				101	99	100	102	98	100	61	60	61	60	58	59	68	67	68
20				101	100	100	101	84	92	63	61	62	60	60	60	68	68	68
21				110	98	103	89	83	85	62	59	60	61	60	61	68	67	67
22				102	100	101	97	89	95	59	59	59	62	61	62	68	68	68
23				101	100	100	98	71	89	60	59	59	63	62	62	69	68	68
24				101	96	99	87	67	76	59	59	59	63	63	63	69	68	68
25				96	89	92	74	63	72	NR	NR	59E	64	63	64	69	68	69
26				91	85	88	75	74	75	NR	NR	60E	64	64	64	68	67	68
27				85	83	84	75	58	73	61	61	61	65	64	64	67	67	67
28				85	82	84	74	71	73	NR	NR	61E	65	65	65	67	66	66
29				84	81	83	71	57	64	NR	NR	61E				66	65	65
30				83	81	82	62	58	59	NR	NR	60E				65	64	64
31							62	61	61	NR	NR	60E				64	63	63

Station installed November 6, 1969.

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	64	63	64	154	143	147	139	134	136	157	149	153	168	160	164	157	143	147
2	65	62	64	168	154	161	145	135	140	157	155	156	173	154	163	152	145	148
3	67	63	65	168	165	167	153	145	150	157	152	155	178	168	173	162	146	150
4	65	63	64	167	166	167	156	151	151	161	154	156	180	175	177	161	149	154
5	70	65	66	173	167	171	154	140	148	167	161	163	184	180	182	159	151	154
6	72	69	70	179	169	174	158	139	148	171	168	170	180	169	175	157	151	155
7	70	68	69	182	169	175	159	145	150	169	148	158	183	164	174	152	149	150
8	68	66	67	179	160	175	155	141	147	152	142	146	179	166	172	191	151	164
9	67	66	66	168	144	159	154	143	150	164	147	156	166	156	160	197	180	189
10	67	66	66	150	144	146	154	149	151	163	144	152	157	149	155	180	170	175
11	67	66	66	156	139	145	162	149	156	160	140	152	156	149	153	183	173	178
12	70	66	68	168	155	159	170	148	160	167	141	153	170	156	166	182	177	180
13	73	63	67	177	168	173	170	166	168	167	157	164	166	144	157	182	169	175
14	105	67	79	178	175	177	182	166	172	159	155	157	149	143	145	169	161	165
15	92	73	79	175	168	171	186	177	182	161	156	159	156	149	150	166	161	164
16	75	73	74	168	158	163	177	156	167	156	149	154	166	159	155	166	157	163
17	76	73	75	161	155	159	186	166	176	150	142	148	162	154	156	173	157	165
18	80	75	78	162	127	148	185	175	180	161	150	155	164	155	159	172	166	170
19	83	79	81	127	88	105	179	174	176	172	159	163	166	159	163	174	166	170
20	89	83	86	96	86	91	174	166	170	183	162	169	162	147	155	178	166	173
21	116	85	95	95	85	90	169	164	165	171	162	167	153	142	148	176	163	171
22	112	69	86	85	81	83	166	163	165	167	157	160	155	150	154	178	166	172
23	84	72	78	83	80	82	165	157	159	174	167	170	154	146	151	178	164	172
24	113	84	98	88	83	86	173	160	165	177	173	174	156	146	150	177	156	168
25	126	113	120	96	87	91	176	164	170	178	171	175	161	154	157	176	159	168
26	138	116	128	116	96	104	178	166	172	175	170	173	165	159	162	172	164	166
27	138	130	136	133	114	121	177	174	175	175	163	171	164	154	159	174	166	170
28	141	128	134	116	104	114	174	166	169	165	149	158	154	146	152	173	167	169
29	143	140	142	115	97	105	170	165	168	165	148	156	154	142	149	175	171	173
30	143	139	141	112	102	105	165	156	159	164	155	161	149	140	147	175	170	173
31				148	110	125				164	149	157	155	144	147			

NR - No Record
E - Estimated

DAILY MAXIMUM, MINIMUM AND AVERAGE SPECIFIC CONDUCTANCE

(In Micromhos at 25° C)

A7 7140.10 AMERICAN RIVER AT SACRAMENTO WATER PLANT AT SACRAMENTO

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	NR	NR	NR	47	45	46	51	47	49	51	49	50	NR	NR	NR	56	54	55
2	NR	NR	NR	47	45	46	51	48	50	52	50	51	NR	NR	NR	56	55	56
3	NR	NR	NR	47	45	46	51	48	50	52	50	51	52	52	52	56	54	55
4	NR	NR	NR	47	45	46	51	48	50	52	49	50	52	52	52	54	52	53
5	NR	NR	NR	48	46	47	51	48	50	50	49	50	52	51	52	54	52	53
6	NR	NR	NR	NR	NR	NR	51	48	50	50	48	49	52	52	52	54	54	54
7	43	40	42	NR	NR	NR	51	48	49	50	48	49	53	52	52	55	53	54
8	44	41	42	NR	NR	NR	51	48	50	50	49	50	52	52	52	53	52	54
9	43	40	42	NR	NR	NR	50	47	49	50	49	50	52	51	52	56	54	55
10	43	40	42	NR	NR	NR	50	47	49	50	49	50	52	51	52	56	56	56
11	43	40	41	NR	NR	NR	50	47	49	50	49	49	53	51	52	57	56	57
12	42	40	41	46	44	45	50	47	48	50	48	49	53	51	52	57	56	57
13	43	40	42	48	45	47	50	47	49	NR	NR	NR	53	51	52	57	57	57
14	42	40	41	48	47	48	50	47	49	NR	NR	NR	56	53	54	57	56	57
15	43	40	41	50	48	49	50	47	49	NR	NR	NR	55	54	55	57	56	57
16	43	41	42	50	48	49	50	46	48	NR	NR	NR	54	52	52	NR	NR	NR
17	43	41	42	50	48	49	49	46	48	NR	NR	NR	52	49	50	NR	NR	NR
18	41	38	40	50	48	49	50	46	48	NR	NR	NR	52	50	50	NR	NR	NR
19	40	38	39	49	47	48	50	47	49	NR	NR	NR	52	50	51	NR	NR	NR
20	40	38	39	50	47	49	53	48	51	NR	NR	NR	51	50	50	NR	NR	NR
21	40	38	39	51	48	49	54	49	51	NR	NR	NR	50	48	49	NR	NR	NR
22	40	38	39	51	48	50	54	50	52	NR	NR	NR	50	48	50	NR	NR	NR
23	40	38	39	51	47	49	52	50	51	NR	NR	NR	52	50	50	NR	NR	NR
24	41	39	40	51	48	50	55	49	51	NR	NR	NR	54	51	52	NR	NR	NR
25	41	39	40	52	48	50	59	55	57	NR	NR	NR	54	52	53	NR	NR	NR
26	42	40	41	52	48	50	59	55	57	NR	NR	NR	54	53	54	NR	NR	NR
27	43	40	42	52	48	50	55	50	51	NR	NR	NR	54	54	54	NR	NR	NR
28	44	42	43	51	48	50	50	48	49	NR	NR	NR	57	54	55	NR	NR	NR
29	45	44	45	51	48	50	49	48	48	NR	NR	NR				NR	NR	NR
30	46	44	45	51	48	50	51	49	50	NR	NR	NR				NR	NR	NR
31	47	44	46				52	50	51	NR	NR	NR				NR	NR	NR

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	NR	NR	NR	65	61	63	63	59	61	NR	NR	NR	NR	NR	NR	50	47	49
2	NR	NR	NR	63	60	63	62	58	61	NR	NR	NR	NR	NR	NR	49	46	48
3	NR	NR	NR	65	60	63	62	58	60	NR	NR	NR	NR	NR	NR	50	47	48
4	NR	NR	NR	65	60	63	51	56	59	NR	NR	NR	NR	NR	NR	50	46	48
5	NR	NR	NR	65	60	63	59	56	58	NR	NR	NR	NR	NR	NR	48	45	47
6	NR	NR	NR	64	60	63	62	56	59	NR	NR	NR	NR	NR	NR	49	47	48
7	NR	NR	NR	64	60	63	63	57	60	NR	NR	NR	NR	NR	NR	49	46	48
8	NR	NR	NR	64	60	63	62	57	60	NR	NR	NR	NR	NR	NR	49	45	47
9	NR	NR	NR	64	60	62	62	58	60	NR	NR	NR	NR	NR	NR	49	46	47
10	NR	NR	NR	64	60	63	60	57	59	NR	NR	NR	NR	NR	NR	49	46	48
11	NR	NR	NR	64	60	63	60	57	59	52	50	51	NR	NR	NR	49	46	48
12	NR	NR	NR	64	60	63	61	57	59	NR	NR	NR	NR	NR	NR	48	45	47
13	NR	NR	NR	64	60	62	61	57	59	NR	NR	NR	NR	NR	NR	49	46	48
14	NR	NR	NR	64	60	62	61	56	59	NR	NR	NR	NR	NR	NR	50	46	48
15	NR	NR	NR	63	60	62	61	57	59	NR	NR	NR	NR	NR	NR	50	48	49
16	NR	NR	NR	64	59	62	61	57	59	NR	NR	NR	NR	NR	NR	50	48	49
17	NR	NR	NR	64	58	62	60	57	59	NR	NR	NR	NR	NR	NR	50	48	49
18	NR	NR	NR	63	59	61	61	57	59	NR	NR	NR	NR	NR	NR	50	48	50
19	67	62	65	67	61	62	NR	NR	NR	NR	NR	NR	NR	NR	NR	50	48	50
20	67	62	65	68	59	63	NR	NR	NR	NR	NR	NR	NR	NR	NR	50	47	49
21	66	62	64	62	59	61	NR	NR	NR	NR	NR	NR	50	48	49	50	48	50
22	66	62	64	63	58	61	NR	NR	NR	NR	NR	NR	52	48	50	NR	NR	NR
23	66	62	64	62	58	61	NR	NR	NR	NR	NR	NR	52	48	51	NR	NR	NR
24	66	62	65	62	58	61	NR	NR	NR	NR	NR	NR	60	50	53	NR	NR	NR
25	66	59	63	63	59	61	NR	NR	NR	NR	NR	NR	61	51	55	NR	NR	NR
26	62	59	61	64	59	62	NR	NR	NR	NR	NR	NR	60	50	56	NR	NR	NR
27	63	59	62	63	59	61	NR	NR	NR	NR	NR	NR	59	47	52	NR	NR	NR
28	65	62	63	62	59	61	NR	NR	NR	NR	NR	NR	50	47	49	NR	NR	NR
29	64	61	63	62	59	61	NR	NR	NR	NR	NR	NR	50	46	49	NR	NR	NR
30	64	61	63	62	59	61	NR	NR	NR	NR	NR	NR	49	46	48	NR	NR	NR
31				62	58	60				NR	NR	NR	50	46	48			

NR - No Record

TABLE D-10 (CONT)

DAILY MAXIMUM, MINIMUM AND AVERAGE SPECIFIC CONDUCTANCE

(In Micromhos at 25° C)

A8 1120.00 CACHE CREEK NEAR CAPAY

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	370	370	370	650	650	650	800	800	800	560	530	550						
2	370	370	370	660	650	655	800	800	800	575	560	570						
3	385	370	375	670	660	665	800	800	800	590	575	580						
4	390	385	390	670	670	670	800	800	800	600	580	590						
5	395	390	395	670	660	670	810	800	800	620	600	610						
6	400	395	400	660	660	660	810	810	810	640	620	630						
7	400	400	400	680	660	670	810	810	810	650	640	645						
8	405	400	405	690	680	685	810	810	810	650	650	650						
9	420	405	410	710	690	700	830	810	820	750	180	570						
10	420	420	420	730	710	720	830	830	830	225	170	190		N			N	
11	430	420	425	740	730	735	870	830	850	340	225	295		O			O	
12	440	430	440	760	740	750	1,000	870	920	385	340	375						
13	445	440	445	760	750	755	1,150	470	800	385	280	340						
14	455	445	450	750	750	750	580	490	540	280	152	215						
15	460	440	450	750	750	750	700	580	660	225	152	190		R			R	
16	480	460	470	770	750	760	720	700	710	255	147	190		E			E	
17	510	480	490	780	770	775	720	720	720	215	175	195						
18	570	510	540	790	780	785	730	720	725	250	215	230		C			C	
19	630	570	610	800	790	795	810	420	690	280	250	270						
20	630	630	630	800	800	800	450	215	290	280	270	280		O			O	
21	630	630	630	800	800	800	390	240	290	270	175	220		R			R	
22	630	630	630	800	800	800	310	205	250	235	200	215						
23	630	620	630	800	800	800	400	310	350	240	220	235		D			D	
24	620	620	620	800	800	800	400	170	210	NR	NR	NR						
25	620	620	620	800	800	800	330	230	285	NR	NR	NR						
26	620	620	620	800	800	800	360	330	350	NR	NR	NR						
27	630	620	625	800	800	800	410	360	395	NR	NR	NR						
28	640	630	635	800	800	800	460	410	440	NR	NR	NR						
29	645	640	645	800	800	800	495	460	480	NR	NR	NR						
30	645	645	645	800	800	800	510	495	500	NR	NR	NR						
31	650	645	650				530	510	520	NR	NR	NR						

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1										NR	NR	NR	NR	NR	NR	300	300	300
2										NR	NR	NR	NR	NR	NR	300	295	300
3										NR	NR	NR	NR	NR	NR	300	295	300
4										NR	NR	NR	NR	NR	NR	300	295	295
5										NR	NR	NR	NR	NR	NR	300	300	300
6										NR	NR	NR	NR	NR	NR	315	300	310
7										NR	NR	NR	NR	NR	NR	320	315	320
8										NR	NR	NR	NR	NR	NR	330	320	325
9										NR	NR	NR	NR	NR	NR	325	320	320
10		N			N			N		NR	NR	NR	NR	NR	NR	320	300	310
11		O			O			O		NR	NR	NR	NR	NR	NR	305	295	300
12										NR	NR	NR	NR	NR	NR	305	300	300
13										NR	NR	NR	290	290	290	320	305	310
14										300	300	300	290	285	290	320	315	320
15		R			R			R		300	300	300	290	290	290	315	305	310
16		E			E			E		300	300	300	295	290	295	305	300	305
17										300	295	300	295	290	290	305	305	305
18		C			C			C		295	290	295	300	290	300	320	305	310
19										295	290	295	300	300	300	320	320	320
20		O			O			O		290	290	290	300	290	295	330	320	320
21		R			R			R		300	290	295	290	280	285	345	330	340
22										300	295	300	285	280	280	350	345	350
23		D			D			D		300	295	300	295	280	290	350	345	350
24										295	290	295	305	295	300	350	340	345
25										295	295	295	310	305	310	340	335	340
26										NR	NR	NR	310	310	310	335	335	335
27										NR	NR	NR	310	300	305	340	335	340
28										NR	NR	NR	305	300	300	340	340	340
29										NR	NR	NR	300	300	300	360	340	355
30										NR	NR	NR	300	300	300	365	360	365
31										NR	NR	NR	300	300	300			

NR - No Record

17	42	42	42	43	43	43	44	44	44	43
18	43	42	42	43	43	43	44	44	44	43
19	43	43	43	43	43	43	44	44	44	43
20	43	43	43	43	43	43	44	44	44	43
21	44	43	44	43	42	42	44	44	44	42
22	45	44	44	42	42	42	44	44	44	42
23	45	45	45	42	42	42	44	44	44	42
24	45	45	45	42	42	42	44	44	44	42
25	46	45	46	42	42	42	44	44	44	42
26	46	46	46	42	42	42	44	44	44	42
27	47	46	47	42	42	42	44	44	44	42
28	47	47	47	42	42	42	44	44	44	42
29	47	47	47	42	42	42	44	44	44	42
30	47	47	47	42	42	42	44	44	44	42
31				42	42	42				42

NR - No Record

TABLE D-10 (CONT)

DAILY MAXIMUM, MINIMUM AND AVERAGE SPECIFIC CONDUCTANCE

(In Micromhos at 25° C)

BO 2580.00 STOCKTON DIVERTING CANAL AT STOCKTON

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	205	200	203	NF	NF	NF	NF	NF	NF	NF	NF	NF	170	160	165	470	120	210
2	204	202	204	NF	NF	NF	NF	NF	NF	NF	NF	NF	160	160	160	205	190	200
3	207	201	205	NF	NF	NF	NF	NF	NF	NF	NF	NF	160	160	160	210	195	205
4	209	205	207	NF	NF	NF	NF	NF	NF	NF	NF	NF	160	160	160	210	100	155
5	215	209	213	NF	NF	NF	NF	NF	NF	NF	NF	NF	165	160	160	165	160	160
6	254	215	224	565P	NF	405P	NF	NF	NF	NF	NF	NF	165	165	165	165	165	165
7	239	229	232	340	223	256	NF	NF	NF	NF	NF	NF	170	165	165	165	155	160
8	233	220	226	229	210	220	NF	NF	NF	NF	NF	NF	175	170	170	155	150	150
9	NR	NR	NR	230	220	226	NF	NF	NF	NF	NF	NF	190	175	180	150	145	150
10	NR	NR	NR	232	228	230	NF	NF	NF	NF	NF	NF	180	180	180	155	145	150
11	NR	NR	NR	233	220	229	NF	NF	NF	NF	NF	NF	180	175	175	160	150	155
12	NR	NR	NR	230	219	226	NF	NF	NF	NF	NF	NF	505	175	185	160	155	160
13	NR	NR	NR	230	212	222	NF	NF	NF	NF	NF	NF	515	155	185	160	155	155
14	NR	NR	NR	225	210	218	NF	NF	NF	NR	NR	NR	280	175	215	165	160	160
15	NR	NR	180*	NF	NF	NF	NF	NF	NF	NR	NR	NR	225	185	195	170	165	170
16	NR	NR	NR	NF	NF	NF	NF	NF	NF	NR	NR	NR	185	175	180	175	170	170
17	NR	NR	NR	NF	NF	NF	NF	NF	NF	NR	NR	NR	180	160	170	180	175	180
18	NR	NR	NR	NF	NF	NF	NF	NF	NF	NR	NR	NR	175	155	165	180	180	180
19	NR	NR	NR	NF	NF	NF	NF	NF	NF	NR	NR	NR	155	150	150	185	180	185
20	NR	NR	NR	NF	NF	NF	NF	NF	NF	NR	NR	NR	150	145	150	195	180	190
21	NF	NF	NF	NF	NF	NF	NF	NF	NF	NR	NR	NR	150	145	145	200	195	200
22	NF	NF	NF	NF	NF	NF	NF	NF	NF	NR	NR	NR	160	150	155	200	195	200
23	NF	NF	NF	NF	NF	NF	NF	NF	NF	NR	NR	NR	165	160	165	210	200	210
24	NF	NF	NF	NF	NF	NF	NF	NF	NF	NR	NR	NR	165	160	165	215	210	210
25	NF	NF	NF	NF	NF	NF	NF	NF	NF	NR	NR	NR	175	165	170	220	210	215
26	NF	NF	NF	NF	NF	NF	NF	NF	NF	NR	NR	NR	180	170	175	220	210	215
27	NF	NF	NF	NF	NF	NF	NF	NF	NF	175P	160P	165P	190	180	185	220	210	215
28	NF	NF	NF	NF	NF	NF	NF	NF	NF	175	165	170	970	180	310	230	220	225
29	NF	NF	NF	NF	NF	NF	NF	NF	NF	170	165	170				230	220	225
30	NF	NF	NF	NF	NF	NF	NF	NF	NF	170	170	170				225	215	220
31	NF	NF	NF				NF	NF	NF	175	170	170				225	220	220

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	230	220	225	350	210	250	200	190	200	260	220	240	200	175	190	205	195	200
2	230	225	230	220	200	210	210	190	200	255	210	230	205	170	190	205	200	205
3	235	230	230	780	210	300	NF	NF	NF	240	200	225	220	200	210	210	190	200
4	235	225	230	240	190	220	NF	NF	NF	1,000+	230	400	230	210	220	200	190	195
5	NF	NF	NF	NF	NF	NF	NF	NF	NF	1,000+	295	750	240	210	225	NR	NR	NR
6	250	235	240	NF	NF	NF	NF	NF	NF	295	195	230	240	185	215	NR	NR	NR
7	260	240	250	NF	NF	NF	NR	NR	NR	210	190	200	210	180	195	NR	NR	NR
8	260	250	255	NF	NF	NF	NR	NR	NR	205	190	200	205	190	195	NR	NR	NR
9	NF	NF	NF	NF	NF	NF	NR	NR	NR	1,000+	195	500	200	185	195	NR	NR	NR
10	NF	NF	NF	220	200	215	NR	NR	NR	215	200	210	200	180	190	NR	NR	NR
11	NF	NF	NF	NF	NF	NF	NF	NF	NF	230	205	215	200	180	190	NR	NR	NR
12	NF	NF	NF	NF	NF	NF	360	240	280	220	205	215	200	175	190	NR	NR	NR
13	NF	NF	NF	NF	NF	NF	240	215	230	1,000+	205	600	200	190	195	NR	NR	NR
14	NF	NF	NF	NF	NF	NF	NF	NF	NF	700	230	350	560	200	310	NR	NR	NR
15	NF	NF	NF	NF	NF	NF	NF	NF	NF	230	205	215	210	195	205	NR	NR	NR
16	NF	NF	NF	NF	NF	NF	315	240	270	215	200	210	220	205	215	NR	NR	NR
17	NF	NF	NF	NF	NF	NF	295	260	275	1,000+	205	400	225	215	220	205	190	200
18	NF	NF	NF	NF	NF	NF	1,000+	290	550	950	210	500	230	215	225	195	185	190
19	NF	NF	NF	NF	NF	NF	310	270	290	210	200	205	225	220	220	530	180	280
20	NF	NF	NF	NF	NF	NF	300	240	270	220	195	205	700	215	300	195	185	190
21	620	360	490	340	255	295	250	210	235	210	195	200	245	205	215	215	195	205
22	360	285	320	260	225	245	230	210	220	255	210	230	215	210	210	230	215	220
23	300	220	260	1,000+	215	300	1,000+	215	450	NF	NF	NF	215	210	210	230	220	225
24	NF	NF	NF	1,000+	205	350	240	210	225	NF	NF	NF	210	200	205	235	230	230
25	NF	NF	NF	215	200	210	230	210	220	1,000+	320	500	210	200	205	240	230	235
26	250	220	235	215	200	210	250	220	235	350	210	270	650	200	350	240	230	235
27	NF	NF	NF	220	205	215	270	215	245	230	205	220	270	205	230	1,000+	235	500
28	NF	NF	NF	1,000+	210	400	240	210	225	215	210	215	215	205	210	520	240	350
29	NF	NF	NF	230	215	220	850	215	320	215	195	210	560	210	350	240	230	235
30	NF	NF	NF	240	210	225	300	230	245	200	190	195	280	210	245	230	225	230
31				235	200	215				260	190	210	210	200	205			

NF - No Flow
NR - No Record
* - Observation made
P - Partial Day

DAILY MAXIMUM, MINIMUM AND AVERAGE SPECIFIC CONDUCTANCE

(In Micromhos at 25° C)

B1 1150.00 COSUMNES RIVER AT MICHIGAN BAR

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	83	82	83	73	72	73	NR	NR	NR	76	76	76						
2	83	81	82	74	72	73	NR	NR	NR	76	76	76						
3	83	82	82	74	72	73	NR	NR	NR	77	76	77						
4	83	81	82	75	73	74	NR	NR	NR	79	77	78						
5	83	81	82	80	74	76	NR	NR	NR	80	79	80						
6	83	81	82	78	74	76	NR	NR	NR	82	80	81						
7	82	80	81	81	78	80	NR	NR	NR	82	82	82						
8	82	82	82	80	78	79	NR	NR	NR	82	81	82						
9	82	81	82	80	77	78	NR	NR	NR	100	82	87						
10	83	81	82	80	77	78	NR	NR	NR	113	83	95		N			N	
11	82	80	81	78	77	77	NR	NR	NR	83	82	82		O			O	
12	82	78	80	79	78	78	85	85	85	82	82	82						
13	80	78	79	79	78	78	87	85	86	82	77	80						
14	80	79	80	80	79	79	91	87	89	87	58	73						
15	81	79	80	NR	NR	80E	95	91	93	69	57	62		R			R	
16	81	76	79	NR	NR	80E	97	95	96	72	43	58		E			E	
17	78	68	74	NR	NR	80E	98	97	98	52	46	49						
18	68	60	63	NR	NR	78E	98	97	98	52	48	50		C			C	
19	64	60	61	NR	NR	78E	125	98	102	NR	NR	NR						
20	63	61	62	NR	NR	NR	145	116	132	NR	NR	NR		O			O	
21	64	62	63	NR	NR	80E	116	70	90	NR	NR	NR		R			R	
22	66	64	65	NR	NR	NR	91	67	73	NR	NR	NR						
23	67	66	67	NR	NR	NR	89	71	78	NR	NR	NR		D			D	
24	69	67	68	NR	NR	NR	99	75	87	NR	NR	NR						
25	70	69	69	NR	NR	NR	78	64	74	NR	NR	NR						
26	71	70	70	NR	NR	NR	65	61	63	NR	NR	NR						
27	71	70	70	NR	NR	NR	69	65	67	NR	NR	NR						
28	72	70	71	NR	NR	NR	70	69	70	NR	NR	NR						
29	72	70	71	NR	NR	NR	72	70	71	NR	NR	NR						
30	72	71	72	NR	NR	NR	74	72	73	NR	NR	NR						
31	73	71	72				76	74	75	NR	NR	NR						

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	NR	NR	NR	72	68	70	NR	NR	NR	69	68	68	64	62	63	65	61	63
2	NR	NR	NR	68	66	67	NR	NR	NR	70	68	69	65	62	64	66	62	65
3	NR	NR	NR	66	63	65	NR	NR	NR	70	68	69	66	63	65	66	63	65
4	NR	NR	NR	63	60	62	NR	NR	NR	NR	NR	NR	67	64	65	66	64	65
5	NR	NR	NR	60	59	59	NR	NR	NR	NR	NR	NR	68	65	67	65	63	64
6	NR	NR	NR	59	51	58	NR	NR	NR	NR	NR	NR	68	66	67	65	62	64
7	NR	NR	NR	58	57	57	NR	NR	NR	NR	NR	NR	68	66	67	64	62	63
8	NR	NR	NR	59	58	58	NR	NR	NR	68	68	68	68	65	67	63	61	62
9	NR	NR	NR	61	59	60	NR	NR	NR	69	68	68	68	66	67	62	59	60
10	74	72	73	62	60	61	NR	NR	NR	69	68	69	68	66	67	60	58	59
11	74	73	73	61	61	61	NR	NR	NR	70	69	70	68	66	67	60	57	58
12	73	73	73	71	60	60	64	63	63	70	69	70	66	64	65	59	57	58
13	76	73	74	62	60	61	66	63	65	71	69	70	64	60	62	58	57	58
14	NR	NR	NR	62	61	62	66	64	65	72	70	71	61	60	60	58	55	57
15	NR	NR	NR	61	60	60	67	65	66	73	70	72	60	58	59	58	56	57
16	NR	NR	NR	NR	NR	NR	66	65	66	73	70	71	59	57	58	58	55	57
17	NR	NR	NR	NR	NR	NR	67	65	66	72	71	71	57	55	56	58	56	57
18	NR	NR	NR	NR	NR	NR	67	65	66	71	68	70	56	54	55	58	56	57
19	NR	NR	NR	NR	NR	NR	68	66	67	68	64	66	54	52	53	59	56	57
20	NR	NR	NR	NR	NR	NR	69	67	68	64	62	63	53	52	53	58	56	57
21	NR	NR	NR	NR	NR	NR	69	67	68	62	60	61	53	52	53	59	58	58
22	NR	NR	NR	NR	NR	NR	70	60	66	62	60	61	53	52	53	60	57	59
23	75	74	74	NR	NR	NR	70	56	67	61	60	61	55	53	54	61	58	59
24	76	74	75	NR	NR	NR	71	69	70	60	60	60	57	54	55	61	58	62
25	75	74	74	NR	NR	NR	70	69	70	60	60	60	57	56	56	64	60	62
26	74	73	74	NR	NR	NR	70	69	69	62	60	61	57	56	56	66	63	65
27	73	71	72	NR	NR	NR	70	70	70	62	61	62	58	55	57	68	64	66
28	72	71	71	NR	NR	NR	71	68	69	64	62	63	58	56	57	69	65	68
29	72	70	71	NR	NR	NR	70	68	69	64	62	63	60	56	58	71	67	69
30	74	70	72	NR	NR	NR	69	68	68	63	62	63	60	58	59	72	68	70
31				NR	NR	NR				64	62	63	62	60	61			

NR - No Record
E - Estimated

TABLE D-10 (CONT)

DAILY MAXIMUM, MINIMUM AND AVERAGE SPECIFIC CONDUCTANCE

(In Micromhos at 25° C)

B9 D 747.2 118.4 SAN JOAQUIN RIVER AT MOSSDALE BRIDGE

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1													255	230	240	375	350	360
2													265	255	260	380	360	370
3													295	265	280	365	280	320
4													320	295	310	320	270	295
5													310	300	305	270	170	230
6													300	275	290	205	170	190
7													295	285	290	215	200	210
8													290	285	290	215	210	210
9										390	370	380	290	285	290	210	200	205
10										375	340	360	290	245	270	235	200	220
11										380	325	350	250	225	230	255	235	245
12										410	360	385	285	230	260	250	245	250
13										430	395	415	285	270	280	300	250	280
14										420	400	410	270	260	265	295	285	290
15										435	400	425	300	265	280	330	280	305
16										405	240	320	330	300	315	345	315	330
17										250	220	235	335	315	325	375	340	360
18										220	170	195	320	290	305	450	370	410
19										200	160	180	300	290	295	NR	NR	NR
20										220	180	200	295	245	270	NR	NR	NR
21										235	200	220	255	245	250	NR	NR	NR
22										240	210	225	270	250	260	NR	NR	NR
23										230	215	220	300	270	285	NR	NR	NR
24										225	210	220	335	300	320	NR	NR	NR
25										220	215	220	335	320	330	NR	NR	NR
26										215	195	205	325	315	320	NR	NR	NR
27										195	175	180	330	290	310	NR	NR	NR
28										175	170	170	355	285	320	NR	NR	NR
29										195	175	185				NR	NR	NR
30										205	195	200				NR	NR	NR
31										230	205	220				NR	NR	NR

Station installed January 9, 1970.

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	NR	NR	NR	770	710	740	430	370	400	NR	NR	NR	835	795	815	850	800	825
2	NR	NR	NR	755	690	720	450	380	415	NR	NR	NR	815	755	785	810	590	700
3	NR	NR	NR	780	730	755	380	285	330	NR	NR	NR	795	735	765	750	620	685
4	NR	NR	NR	770	755	760	315	225	270	405	365	385	760	730	745	820	740	780
5	NR	NR	NR	780	710	745	230	210	220	525	405	460	800	760	780	820	760	790
6	NR	NR	NR	775	720	750	NR	NR	NR	650	525	590	800	780	790	785	685	735
7	NR	NR	NR	785	705	745	NR	NR	NR	700	650	675	825	785	805	715	645	680
8	NR	NR	NR	785	675	725	NR	NR	NR	720	680	700	805	765	785	705	645	675
9	900	850	875	735	665	700	NR	NR	NR	765	710	735	795	735	765	715	675	695
10	925	900	915	675	605	640	NR	NR	NR	810	765	790	770	750	760	765	705	735
11	950	890	920	615	550	585	NR	NR	NR	805	775	790	750	740	745	790	765	780
12	900	875	885	555	515	535	NR	NR	NR	805	765	785	770	740	755	780	740	760
13	970	900	935	525	475	500	NR	NR	NR	805	755	780	770	700	735	740	670	705
14	905	845	880	475	445	460	NR	NR	NR	785	735	760	770	730	750	720	640	680
15	870	810	840	485	455	470	NR	NR	NR	760	730	745	780	740	760	660	630	645
16	840	770	800	495	460	480	NR	NR	NR	810	750	780	800	770	785	630	540	585
17	800	780	790	475	400	440	NR	NR	NR	830	790	810	810	750	780	605	545	575
18	825	800	810	400	365	380	NR	NR	NR	855	775	815	790	740	765	590	550	570
19	805	780	795	395	385	390	NR	NR	NR	815	775	795	810	780	795	595	585	590
20	810	770	790	385	350	370	NR	NR	NR	795	775	785	810	770	790	635	595	620
21	780	755	770	365	345	355	NR	NR	NR	795	760	775	840	800	820	615	565	590
22	805	755	780	390	360	370	NR	NR	NR	840	795	820	880	830	855	610	580	595
23	820	740	780	560	390	480	NR	NR	NR	860	780	820	890	860	875	655	610	635
24	790	765	780	655	555	605	NR	NR	NR	880	820	850	900	840	870	660	630	645
25	800	750	775	715	495	605	NR	NR	NR	875	795	835	850	770	810	665	635	650
26	755	730	745	510	450	480	NR	NR	NR	845	775	810	800	780	790	670	650	660
27	755	740	750	475	445	460	NR	NR	NR	795	745	770	820	780	800	685	625	655
28	760	715	740	505	465	485	NR	NR	NR	765	725	745	830	800	815	670	580	625
29	785	705	745	480	420	450	NR	NR	NR	790	750	770	840	800	820	635	585	610
30	785	725	755	460	390	425	NR	NR	NR	810	770	790	820	790	805	640	610	625
31				395	355	375				810	780	795	850	820	840			

NR - No Record

DAILY MAXIMUM, MINIMUM AND AVERAGE SPECIFIC CONDUCTANCE

(In Micromhos at 25° C)

B9 D 757.8 121.9 STOCKTON SHIP CHANNEL AT BURNS CUTOFF

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	470	365	395	265	240	255	350	335	340	380	365	370	NR	NR	NR	345	290	325
2	410	355	380	300	250	285	355	335	350	380	360	370	NR	NR	NR	355	320	335
3	415	385	400	295	265	280	365	345	355	380	330	360	NR	NR	NR	345	255	320
4	385	345	365	295	270	280	365	355	360	360	305	330	NR	NR	NR	320	230	295
5	430	375	400	280	265	270	370	340	355	350	305	330	NR	NR	NR	315	260	290
6	430	410	410	285	270	275	350	335	345	375	340	360	330	310	320	265	200	250
7	410	345	375	310	280	295	365	335	350	450	370	420	320	305	315	235	200	215
8	370	340	360	315	295	305	390	360	375	480	420	450	320	310	315	225	215	220
9	345	320	330	315	275	295	410	380	390	465	440	450	330	295	315	225	190	215
10	330	325	325	275	265	270	430	400	420	460	410	440	330	300	310	225	205	215
11	355	315	340	285	265	275	420	410	415	435	405	420	325	265	295	240	220	230
12	370	325	355	300	275	290	430	410	420	530	390	520	265	220	240	270	240	255
13	385	355	370	320	295	310	420	420	420	405	370	380	275	225	250	285	230	265
14	395	355	385	330	310	320	470	420	450	410	370	385	300	270	280	400	240	345
15	420	380	400	340	315	330	460	435	450	420	230	345	300	270	285	400	310	340
16	440	395	420	320	290	310	460	440	450	360	290	315	315	280	300	345	310	330
17	430	405	415	290	270	280	480	450	465	335	190	285	340	295	315	370	330	345
18	425	360	395	275	265	270	525	480	505	290	235	265	345	265	325	390	370	380
19	380	340	365	295	260	270	560	520	530	235	195	225	330	290	305	420	360	380
20	NR	NR	NR	325	275	295	600	540	570	200	155	180	305	210	290	470	415	435
21	NR	NR	NR	340	305	320	585	485	515	225	170	190	310	290	295	505	440	470
22	300	270	285	370	340	355	530	490	510	200	160	185	290	250	270	530	490	510
23	280	270	275	390	370	380	535	490	520	180	145	160	275	250	260	540	495	520
24	290	270	280	395	375	390	545	515	530	NR	NR	NR	305	255	280	540	500	510
25	285	270	280	405	395	400	580	505	555	NR	NR	NR	335	300	320	560	495	510
26	275	265	270	395	385	390	590	510	555	NR	NR	NR	345	325	335	560	530	540
27	290	255	270	410	385	390	605	565	585	NR	NR	NR	345	310	330	570	490	530
28	270	235	255	460	410	450	595	490	530	NR	NR	NR	355	330	340	585	525	540
29	265	250	255	455	390	435	510	395	445	NR	NR	NR				570	540	555
30	255	235	245	405	345	400	415	380	390	NR	NR	NR				590	550	560
31	265	240	250				400	365	380	NR	NR	NR				590	550	560

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	600	550	570	NR	NR	NR	500	435	455	495	370	390	490	380	420	610	540	590
2	620	550	590	NR	NR	NR	485	435	455	460	375	420	495	390	435	610	530	580
3	675	570	605	NR	NR	NR	485	425	455	450	375	390	500	400	440	610	520	580
4	720	600	645	NR	NR	NR	470	450	450	450	370	390	510	400	440	615	540	590
5	735	615	690	NR	NR	NR	490	440	450	450	370	410	400	390	440	620	550	590
6	750	660	690	NR	NR	NR	500	405	440	480	375	400	490	390	435	630	550	600
7	750	650	720	NR	NR	NR	420	375	405	410	380	400	470	390	430	650	530	600
8	770	680	730	NR	NR	NR	420	340	370	400	390	395	460	380	430	620	540	600
9	760	680	720	705	670	675	390	330	360	415	400	410	460	370	420	630	550	600
10	750	680	730	700	630	670	375	320	350	405	395	400	460	360	400	630	580	600
11	720	690	710	690	610	650	360	340	340	410	395	400	500	370	410	630	570	610
12	735	690	705	660	600	630	410	350	370	410	395	400	520	380	430	630	570	600
13	710	690	690	670	570	620	420	375	390	420	400	410	520	360	400	640	590	610
14	710	700	705	650	540	585	420	360	390	410	400	405	510	360	440	645	600	620
15	720	680	700	600	510	555	420	360	390	425	395	410	510	360	440	645	610	630
16	710	690	705	590	500	540	390	350	370	430	390	410	510	380	450	650	615	640
17	705	680	700	560	480	515	420	340	370	420	410	415	510	390	450	660	600	635
18	705	665	690	580	480	525	420	360	360	450	395	405	510	390	450	645	600	630
19	715	675	700	545	460	510	410	330	360	NR	NR	NR	530	390	460	680	620	650
20	730	700	710	540	400	470	430	335	370	NR	NR	NR	510	400	460	700	640	660
21	750	705	720	460	390	420	420	350	375	NR	NR	NR	500	410	450	700	640	660
22	750	710	720	450	360	390	430	350	375	NR	NR	NR	510	405	460	690	660	675
23	NR	NR	NR	445	360	390	420	360	380	NR	NR	NR	510	420	470	690	660	675
24	NR	NR	NR	400	350	380	430	360	390	435	375	400	550	420	465	680	665	675
25	NR	NR	NR	400	365	380	470	360	390	460	380	405	580	420	490	675	675	675
26	NR	NR	NR	425	380	400	480	380	420	450	375	405	560	450	510	685	675	680
27	NR	NR	NR	445	375	405	540	390	480	480	375	420	560	460	515	690	670	680
28	NR	NR	NR	475	390	425	525	425	490	480	370	400	570	460	525	690	670	680
29	NR	NR	NR	495	405	435	540	410	450	480	375	410	570	470	520	690	670	680
30	NR	NR	NR	490	425	450	510	390	450	500	380	420	590	480	540	680	675	675
31				490	430	445				500	390	420	590	510	570			

NR - No Record

Appendix E

GROUND WATER QUALITY

INTRODUCTION

This appendix presents ground water quality data collected during the period from October 1, 1969, through September 30, 1970. The data were collected from a number of major ground water sources in Northeastern California in cooperation with other state, local, and federal agencies. During the 1970 water year, 391 wells were sampled in 31 ground water basins and subbasins or subareas.

Temperature and pH measurements are normally made at the time of field sampling. Comments on current conditions are noted in field books which are available in the files of the Department of Water Resources.

Laboratory analyses of ground waters were performed in accordance with the latest edition of "Standard Methods for the Examination of Water and Wastewater", American Public Health Association, New York, N. Y.

The Region and Basin and State Well Numbering Systems are described on page 271, Appendix C, "Ground Water Measurements".

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5- 4.00	Big Valley	541
5- 5.00	Fall River Valley	542
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5- 7.00	Lake Almanor Valley	
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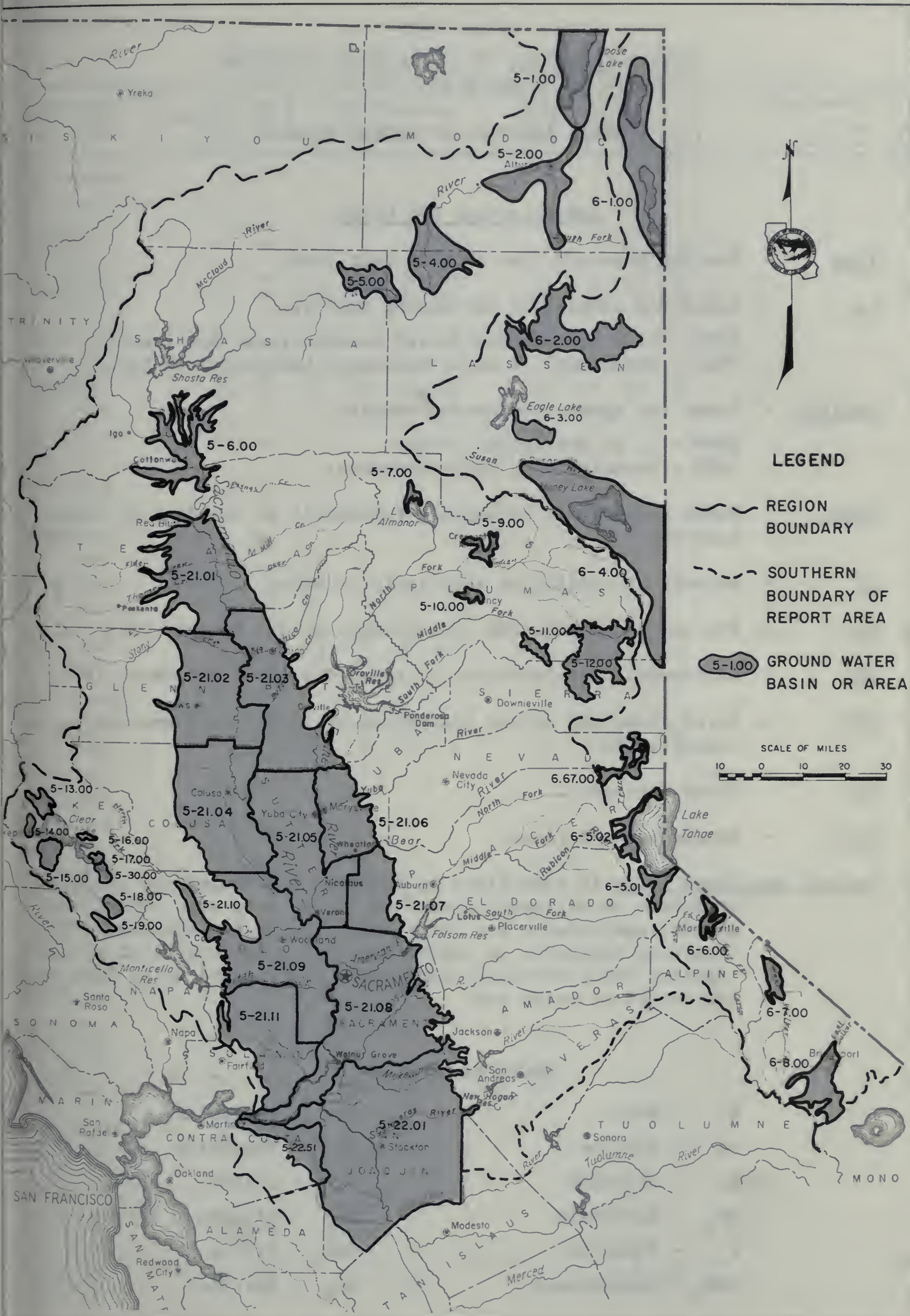
6- 6.00	Carson Valley	
6- 7.00	Topaz Valley	
6- 8.00	Bridgeport Valley	



GROUND WATER BASINS IN NORTHEASTERN CALIFORNIA

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

Abbreviations and Codes

Time - Pacific Standard Time on a 24-hour clock

Lab - Codes for laboratory performing analysis:

5000 - U. S. Geological Survey Laboratory at Sacramento
5050 - Department of Water Resources Laboratory at Bryte

Sampler - Codes for agency collecting sample:

5000 - U. S. Geological Survey
5050 - Department of Water Resources

Temp. - Water temperature in degrees Fahrenheit at the time of field sampling

pH - Measure of acidity or alkalinity of water

EC - Electrical conductance in micromhos at 25° Celsius (C)

TDS - Gravimetric determination of total dissolved solids at 180°C

SUM - Total dissolved solids determined by addition of analyzed constituents

TH - Total hardness

NCH - Noncarbonate hardness

Percent Reactance Value is determined by dividing the sum of the cations or anions in milliequivalents per liter into each constituent in milliequivalents per liter, arriving at a percentage. For a partial analysis, an approximate value is determined by multiplying the electrical conductance by 0.01 and using that as the cation or anion sum.

Chemical Symbols

B	- Boron	K	- Potassium
Ca	- Calcium	Mg	- Magnesium
Cl	- Chloride	Na	- Sodium
CO_3	- Carbonate	NO_3	- Nitrate
F	- Fluoride	SiO_2	- Silica
HCO_3	- Bicarbonate	SO_4	- Sulfate

TABLE E-1 (Cont.)

MINERAL ANALYSES OF GROUND WATER

State Well Number / Date / Time	Lab / Sampler	Temp.	pH Lab / Field	EC Lab / Field	Mineral Constituents in Milligrams per Liter / Milliequivalents per Liter / Percent Reactance Value: Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter: F	B	SiO_2	TDS SUM	TH NCH
CENTRAL VALLEY REGION																		
GOOSE LAKE VALLEY 5-01.00																		
44N/13E-36A01 M		69	---	---														
7-20-70	--		8.3	190														
1115	5050																	
44N/14E-07K01 M		55	7.3	395	41	16	22	1.0	0	221	7.4	6.7	21		0.0		261	166
7-20-70	5050		7.1	410	2.04	1.28	0.96	0.02		3.62	0.15	0.19	0.34					0
1145	5050				47	30	22	1		84	4	4	8					
45N/13E-12L01 M		72	---	---														
7-20-70	--		7.6	322														
1305	5050																	
45N/14E-32L01 M		59	7.1	259	29	8.9	14	1.4	0	163	1.1	1.0	1.8		0.0		176	109
7-20-70	5050		7.1	265	1.45	0.73	0.61	0.04		2.67	0.02	0.03	0.03					0
1250	5050				51	26	22	1		97	1	1	1					
46N/14E-32J01 M		66	---	---														
7-20-70	--		7.3	332														
1440	5050																	
47N/13E-07Q01 M		64	---	---														
7-20-70	--		7.9	218														
1400	5050																	
47N/14E-02H01 M		68	---	---														
7-20-70	--		8.4	450														
1545	5050																	
47N/14E-14B02 M		64	---	---														
7-20-70	--		6.3	168														
1510	5050																	
48N/14E-23K01 M		54	7.0	227	23	6.9	15	1.1	0	128	4.1	0.5	9.4		0.0		146	86
7-20-70	5050		6.5	240	1.15	0.57	0.65	0.03		2.10	0.08	0.01	0.15					0
1530	5050				48	24	27	1		90	3	1	6					
ALTURAS BASIN 5-02.00																		
39N/13E-06N01 M		68	7.8	249	12	4.9	35	6.5	0	146	4.9	3.8	1.8		0.0		185	50
7-22-70	5050		7.5	255	0.60	0.40	1.52	0.17		2.39	0.10	0.11	0.03					0
1330	5050				22	15	57	6		91	4	4	1					
40N/12E-11F01 M		74	---	162										0.2	0.0			32
7-22-70	5050		8.3	161														
1410	5050																	
40N/12E-12J01 M		61	---	---														
7-22-70	--		7.3	500														
1345	5050																	
41N/11E-02J01 M		72	8.2	260			37		0	124		7.0						42
7-23-70	5050		8.0	260			1.61			2.03		0.20						0
0810	5050						66											
42N/11E-24A01 M		69	---	---														
7-22-70	--		7.3	218														
1630	5050																	
42N/12E-11J01 M		64	---	---														
7-22-70	--		7.5	380														
1540	5050																	
42N/11E-19E01 M			8.3	454					0	237		8.8						12
7-23-70	5050		---	---						3.88		0.25						0
0900	5050																	
42N/13E-31G01 M		62	8.6	562			107		9	350		5.3						82
7-22-70	5050		7.1	545			4.65		0.31	5.74		0.15						0
1030	5050						74											
42N/13E-32G01 M		60	---	---														
7-22-70	--		7.5	360														
1035	5050																	
BIG VALLEY 5-04.00																		
37N/07E-02D01 M		59	---	---														
7-23-70	--		7.5	218														
1225	5050																	
37N/07E-13B01 M		57	---	348			29					18	32					112
7-23-70	5050		7.1	372			1.26					0.51	0.52					
1345	5050						36											

MINERAL ANALYSES OF GROUND WATER

State Well Number / Date / Time	Lab / Sampler	Temp.	pH Lab / Field	EC Lab / Field	Mineral Constituents in Milligrams per Liter / Milliequivalents per Liter / Percent Reactance Value: Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter: F	B	SiO_2	TDS SUM	TH NCI
BIG VALLEY 5-04.00 (Continued)																		
38N/07E-02P01 M		67	8.3	519			46		0	240		41	9.5					15
7-23-70	5050		7.1	535			2.00			3.93		1.16	0.15					
1130	5050						39											
38N/07E-23D01 M		61	---	---														
7-23-70	--		7.1	279														
1145	5050																	
38N/07E-28N09 M		65	---	---														
7-23-70	--		7.1	202														
1200	5050																	
38N/08E-17K01 M		62	8.0	211					0	122		3.3	1.2					8
7-23-70	5050		7.7	227						2.00		0.09	0.02					
1500	5050																	
38N/08E-30R01 M		58	7.7	630			28		0	132		52	116					24
7-23-70	5050		7.1	640			1.22			2.16		1.47	1.87					13
1320	5050						20											
38N/09E-21L01 M		68	---	---														
7-23-70	--		7.5	330														
1530	5050																	
39N/07E-13Q01 M		62	7.6	215			39		0	105		6.9						4
7-23-70	5050		7.0	220			1.70			1.72		0.19						
1110	5050						67											
39N/08E-23A01 M		62	7.5	198					0	95	12		4.5	0.2	0.0			3
7-23-70	5050		7.0	218						1.56	0.25		0.07					
1100	5050																	
39N/08E-26J02 M		59	7.5	270	15	5.2	36	2.5	0	107	21	18	0.0		0.0		208	5
7-24-70	5050		7.1	272	0.75	0.43	1.57	0.06		1.75	0.44	0.51						
0655	5050				27	15	56	2		65	16	19						
39N/09E-28F20 M		66	---	---														
7-23-70	--		7.5	274														
1000	5050																	
FALL RIVER BASIN 5-05.00																		
37N/05E-09N01 M		56	---	---														
8-26-70	--		7.3	830														
1330	5050																	
37N/05E-14R01 M		64	---	---														
8-26-70	--		8.4	198														
1250	5050																	
37N/05E-24F01 M		62	---	---														
8-26-70	--		8.2	225														
1235	5050																	
37N/06E-06L01 M		59	---	---														
8-26-70	--		7.9	267														
1145	5050																	
37N/06E-19L01 M		68	---	---														
8-26-70	--		8.0	218														
1215	5050																	
38N/04E-27Q01 M		56	---	---														
8-26-70	--		8.1	180														
1430	5050																	
38N/04E-30H01 M		53	---	---														
8-26-70	--		6.8	260														
1500	5050																	
38N/05E-24F01 M		67	---	---														
8-26-70	--		7.4	147														
1540	5050																	
38N/06E-31D01 M		60	---	---														
8-26-70	--		8.0	188														
1115	5050																	
REDDING BASIN 5-06.00																		
29N/03W-05G02 M		70	8.0	156	11	8.4	8.5	0.7	0	81	7.4	4.6	4.0		0.1		112	6
5-26-70	5050		6.3	162	0.55	0.69	0.37	0.02		1.33	0.15	0.13	0.06					
1410	5050				34	42	23	1		80	9	8	3					
29N/04W-04R03 M		73	---	---														
5-26-70	--		6.3	320														
1200	5050																	

TABLE E-1 (Cont.)

MINERAL ANALYSES OF GROUND WATER

State Well Number / Date / Time	Lab / Sampler	Temp.	pH Lab / Field	EC Lab / Field	Mineral Constituents in Milligrams per Liter / Milliequivalents per Liter / Percent Reactance Value: Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter: F	B	SiO_2	TDS SUM	TH NCH
REDDING BASIN 5-06.00 (Continued)																		
29N/04W-11G04 M		67	8.1	187					0	101		37						65
5-26-70	5050		7.1	190						1.66		0.10						0
1145	5050																	
30N/03W-04M01 M		67	---	---														
5-27-70			6.9	195														
1000	5050																	
30N/03W-18F02 M		65	7.3	278	20	19	10	0.4	0	170	5.4	3.0	4.9		0.1		172	129
5-26-70	5050		6.3	290	1.00	1.58	0.44	0.01		2.79	0.11	0.08	0.08					0
1500	5050				33	52	15	0		91	3	3	3					
30N/03W-34D01 M		62	7.3	325	25	20	12	1.0	0	132	24	4.9	31		0.0		233	143
5-26-70	5050		6.3	320	1.25	1.61	0.52	0.02		2.16	0.49	0.14	0.50					35
1445	5050				37	47	15	1		66	15	4	15					
30N/04W-01E01 M		64	---	---														
5-27-70	--		7.1	152														
0920	5050																	
30N/04W-08R01 M		70	7.6	112	6.2	5.5	8.7	0.6	0	57	4.4	3.0	3.2		0.0		99	38
5-28-70	5050		7.1	110	0.31	0.45	0.38	0.02		0.93	0.09	0.08	0.05					0
1245	5050				27	39	33	1		81	8	7	4					
30N/04W-15M03 M		68	---	---														
5-26-70	--		6.9	280														
1515	5050																	
30N/04W-35R01 M		71	7.6	187	10	11	13	1.0	0	106	5.1	3.6	4.8		0.0		162	70
5-26-70	5050		7.0	187	0.50	0.90	0.56	0.02		1.74	0.10	0.10	0.08					0
1220	5050				25	46	28	1		86	5	5	4					
30N/04W-36D01 M		67	7.7	172	10	9.5	12	0.7	0	93	4.9	4.8	5.6		0.0		142	64
5-26-70	5050		7.1	179	0.50	0.78	0.52	0.02		1.52	0.10	0.14	0.09					0
1300	5050				27	43	29	1		82	5	8	5					
31N/03W-05J01 M		68	7.5	204	14	12	14	1.3	0	119	2.5	6.1	1.9		0.1		202	83
5-27-70	5050		6.5	208	0.70	0.96	0.61	0.03		1.95	0.05	0.17	0.03					0
1125	5050				30	42	27	1		89	2	8	1					
31N/03W-10D02 M		64	7.3	171	12	9.0	9.6	1.6	0	91	3.6	6.9	2.3		0.0		180	67
5-27-70	5050		6.5	175	0.60	0.74	0.42	0.04		1.49	0.07	0.19	0.04					0
1150	5050				34	41	23	2		83	4	11	2					
31N/03W-12E01 M		69	---	---														
5-27-70	--		6.5	180														
1220	5050																	
31N/04W-12A01 M		80	7.8	388	16	11	50	1.3	0	136	1.0	60	0.0		0.9		252	85
5-27-70	5050		7.3	380	0.80	0.90	2.18	0.03		2.23	0.02	1.69						0
1320	5050				20	23	56	1		57	0	43						
31N/04W-15B01 M		67	---	---														
5-27-70	--		7.1	225														
1410	5050																	
31N/04W-15D03 M		69	8.0	178	9.2	11	11	0.3	0	95	2.5	4.8	7.1		0.0		138	67
5-27-70	5050		7.0	178	0.46	0.88	0.48	0.01		1.56	0.05	0.14	0.11					0
1430	5050				25	48	26	1		84	3	7	6					
31N/04W-16Q01 M		62	---	---														
5-27-70	--		6.9	158														
1440	5050																	
31N/04W-20J01 M		68	7.5	225	17	11	12	0.6	0	92	8.4	12	13		0.1		153	88
5-27-70	5050		6.5	222	0.85	0.91	0.52	0.02		1.51	0.17	0.34	0.21					13
1500	5050				37	39	23	1		68	8	15	9					
31N/05W-25K01 M		74	---	---														
5-27-70	--		7.2	263														
1530	5050																	
32N/03W-07N01 M		80	7.3	148	6.3	4.0	22	0.9	0	87	2.1	3.1	2.0		0.2		130	32
5-28-70	5050		6.3	150	0.31	0.33	0.96	0.02		1.42	0.04	0.09	0.03					0
1500	5050				19	21	59	1		90	2	6	2					
32N/03W-20P01 M		71	---	---														
5-28-70	--		6.1	162														
1515	5050																	
32N/03W-32J02 M		67	---	---														
5-28-70	--		7.1	355														
1545	5050																	
32N/03W-35C01 M		70	---	---														
5-27-70	--		6.5	212														
1300	5050																	

TABLE E-1 (Cont.)

MINERAL ANALYSES OF GROUND WATER

State Well Number / Date / Time	Lab / Sampler	Temp.	pH Lab / Field	EC Lab / Field	Mineral Constituents in Milligrams per Liter / Milliequivalents per Liter / Percent Reactance Value: Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter: F	B	SiO_2	TDS SUM	TH NCH
REDDING BASIN 5-06.00 (Continued)																		
32N/04W-14F02 M		80	7.6	137					0	54		4.0						32
5-27-70	5050		6.5	142						0.89		0.11						0
1445	5050																	
32N/04W-20H01 M		74	8.3	379					0	168		37						64
5-28-70	5050		7.0	372						2.75		1.04						0
1420	5050																	
32N/05W-26M01 M		67	---	---														
5-28-70	--		7.0	247														
1345	5050																	
SIERRA VALLEY 5-12.00																		
21N/16E-18H01 M		55	7.7	254	21	12	9.6	2.5	0	94	5.9	9.8	32		0.0		188	102
7-29-70	5050		7.1	230	1.05	0.99	0.42	0.06		1.54	0.12	0.28	0.52					25
1500	5050				42	39	17	2		63	5	11	21					
23N/14E-26H01 M		58	7.7	713	23	3.3	118	1.0	0	87	110	101	0.6		1.6		424	71
7-29-70	5050		8.1	700	1.15	0.27	5.13	0.03		1.42	2.29	2.85	0.01					0
1700	5050				18	4	78	0		22	35	43	0					
UPPER LAKE VALLEY 5-13.00																		
14N/09W-06F02 M		61	6.6	46	1.2	3.2	2.3	1.0	0	14	0.0	0.5	8.1		0.2		42	16
5-22-70	5050		5.7	50	0.06	0.26	0.10	0.02		0.23		0.01	0.13					5
1030	5050				14	59	23	4		62		3	35					
15N/09W-06F01 M		60	---	---														
5-21-70	--		6.5	198														
1605	5050																	
15N/09W-06Q01 M		63	---	---														
5-21-70	--		7.0	342														
1440	5050																	
15N/09W-07B01 M		63	8.5	379					5	241		2.2						165
5-20-70	5050		6.1	380					0.17	3.95		0.06						0
1425	5050																	
15N/09W-17P01 M		63	8.5	397					9	245		3.3						213
5-22-70	5050		7.0	390					0.30	4.02		0.09						0
1135	5050																	
15N/09W-27E01 M		71	7.6	522	50	29	22	0.8	0	323	2.8	11	0.6		0.3		268	243
5-22-70	5050		7.3	508	2.50	2.36	0.96	0.02		5.29	0.06	0.31	0.01					0
1115	5050				43	41	16	0		93	1	6	0					
15N/09W-31P01 M		62	7.5	122	8.0	5.8	7.6	2.4	0	60	5.8	4.6	1.1		0.0		90	44
5-22-70	5050		6.1	122	0.40	0.48	0.33	0.06		0.98	0.12	0.13	0.02					0
1100	5050				31	38	26	5		78	10	10	2					
15N/10W-03C01 M		71	---	---														
5-22-70	--		7.0	410														
1000	5050																	
15N/10W-13A01 M		63	8.1	214					0	131		2.3						87
5-20-70	5050		6.8	238						2.15		0.06						0
1405	5050																	
15N/10W-13A02 M		61	---	---														
5-21-70	--		7.2	200														
1350	5050																	
16N/09W-31L03 M		64	7.4	166	18	5.1	8.3	1.4	0	84	11	4.5	1.6		0.1		115	66
5-21-70	5050		6.3	160	0.90	0.42	0.36	0.04		1.38	0.22	0.13	0.02					0
1630	5050				52	25	21	2		79	13	7	1					
SCOTT VALLEY 5-14.00																		
14N/10W-03F01 M		--	---	---														
6-17-70	--		7.1	360														
0945	5050																	
14N/10W-14E03 M		--	---	---														
6-17-70	--		6.6	210														
1005	5050																	
KELSEYVILLE VALLEY 5-15.00																		
13N/09W-02G03 M		60	7.0	777	40	82	10	1.3	0	447	55	13	20		0.0		433	440
6-16-70	5050		6.5	780	2.00	6.79	0.44	0.03		7.33	1.14	0.37	0.32					74
0940	5050				22	73	5	0		80	12	4	4					

TABLE E-1 (Cont.)

MINERAL ANALYSES OF GROUND WATER

State Well Number / Date / Time	Lab / Sampler	Temp.	pH Lab / Field	EC Lab / Field	Mineral Constituents in Milligrams per Liter / Milliequivalents per Liter / Percent Reactance Value: Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter: F	B	SiO_2	TDS SUM	TH NCH
ELSEYVILLE VALLEY 5-15.00 (Continued)																		
13N/09W-08N01 M		68	6.9	416	21	28	23	2.7	0	216	0.0	12	30		0.6		282	170
6-16-70	5050		6.5	455	1.05	2.35	1.00	0.07		3.54		0.34	0.48					0
1115	5050				23	53	22	2		81		8	11					
13N/09W-08N02 M		62	---	---														
6-16-70	--		6.3	235														
1110	5050																	
13N/09W-09F02 M		70	6.6	716	57	59	13	0.8	0	364	72	10	29		0.1		462	384
6-16-70	5050		6.3	745	2.84	4.83	0.56	0.02		5.96	1.50	0.28	0.47					86
1045	5050				34	59	7	0		73	18	3	6					
13N/09W-12M01 M		64	---	---														
6-16-70	--		7.1	450														
1000	5050																	
13N/09W-15D01 M		73	6.6	775	38	76	18	4.1	0	503	0.0	12	28		0.9		500	410
6-16-70	5050		6.3	815	1.90	6.29	0.78	0.10		8.24		0.34	0.45					0
1210	5050				21	70	8	1		91		4	5					
13N/09W-16D03 M		63	6.5	450	16	47	9.4	1.3	0	289	0.0	6.0	5.6		0.0		255	233
6-16-70	5050		6.5	450	0.80	3.86	0.41	0.03		4.74		0.17	0.09					0
1230	5050				16	76	8	0		95		3	2					
13N/09W-18J01 M		67	7.3	268	20	13	17	1.0	0	149	0.0	7.9	4.8		0.1		192	103
6-16-70	5050		7.1	270	1.00	1.06	0.74	0.02		2.44		0.22	0.08					0
1140	5050				35	38	26	1		89		8	3					
13N/09W-21F02 M		73	7.0	617	18	70	14	1.9	0	418	0.0	12	2.1		0.0		370	334
6-16-70	5050		6.5	650	0.90	5.77	0.61	0.05		6.85		0.34	0.03					0
1310	5050				12	79	8	1		95		5	0					
13N/09W-22C03 M		65	7.5	580	14	70	7.8	0.6	0	383	2.8	9.6	7.3		0.0		334	322
6-16-70	5050		7.3	585	0.70	5.73	0.34	0.02		6.28	0.06	0.27	0.12					8
1335	5050				10	85	5	0		93	1	4	2					
14N/09W-32J01 M		62	---	---														
6-16-70	--		6.5	745														
0850	5050																	
14N/09W-32J03 M		63	---	---														
6-16-70	--		6.3	560														
0900	5050																	
IGH VALLEY 5-16.00																		
14N/08W-23K01 M		--	7.7	340					0	144		24						115
6-17-70	5050		6.3	328						2.36		0.68						0
1330	5050																	
14N/08W-24B02 M		--	8.1	805					0	524		16						351
6-17-70	5050		6.1	765						8.59		0.45						0
1220	5050																	
URNS VALLEY 5-17.00																		
13N/07W-15J02 M		66	7.5	407	40	19	20	2.3	0	255	1.3	6.0	0.7		0.4		266	180
6-15-70	5050		7.1	405	2.00	1.60	0.87	0.06		4.18	0.03	0.17	0.01					0
1105	5050				44	36	19	1		95	1	4	0					
13N/07W-15N01 M		62	6.5	187	16	4.6	18	0.5	0	98	3.0	4.4	4.0		0.4		133	59
6-15-70	5050		6.5	185	0.80	0.38	0.78	0.01		1.61	0.06	0.12	0.06					0
1230	5050				41	19	40	0		87	3	7	3					
13N/07W-21J02 M		66	8.0	569					0	369		13						252
6-15-70	5050		6.9	580						6.05		0.37						0
1300	5050																	
13N/07W-22B03 M		62	6.6	720	50	30	60	0.8	0	223	75	36	84		0.4		491	250
6-15-70	5050		6.3	760	2.50	2.50	2.61	0.02		3.65	1.56	1.02	1.35					68
1140	5050				33	33	34	0		48	21	13	18					
13N/07W-27C01 M		80	7.6	317	25	18	17	1.4	0	192	2.3	6.8	1.0		0.6		193	138
6-15-70	5050		7.3	304	1.25	1.51	0.74	0.04		3.15	0.05	0.19	0.02					0
1350	5050				35	43	21	1		92	1	6	1					
OWER LAKE AREA 5-30.00																		
12N/07W-01F01 M		72	6.5	184	12	7.0	15	0.2	0	72	18	3.2	11		0.0		139	59
6-15-70	5050		6.3	185	0.60	0.58	0.65	0.00		1.18	0.37	0.09	0.18					0
1240	5050				33	32	35	0		65	20	5	10					
12N/07W-01M02 M		62	7.0	346	25	18	19	0.3	0	118	48	9.7	18		0.2		232	137
6-15-70	5050		6.8	360	1.25	1.49	0.83	0.01		1.93	1.00	0.27	0.29					41
1420	5050				35	42	23	0		55	29	8	8					

TABLE E-1 (Cont.)

MINERAL ANALYSES OF GROUND WATER

State Well Number / Date / Time	Lab / Sampler	Temp.	pH Lab / Field	EC Lab / Field	Mineral Constituents in Milligrams per Liter / Milliequivalents per Liter / Percent Reactance Value: Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter: F	B	SiO_2	TDS SUM	Th NCi
LOWER LAKE AREA 5-30.00 (Continued)																		
12N/07W-13N01 M		71	8.2	624					0	337		15						22
6-15-70	5050		6.3	650						5.52		0.42						
1530	5050																	
12N/07W-14C02 M		61	6.5	683	36	23	79	0.3	0	184	113	21	63		0.0		440	18
6-15-70	5050		6.3	715	1.80	1.90	3.44	0.01		3.02	2.35	0.59	1.02					3
1500	5050				25	27	48	0		43	34	8	15					
12N/07W-14F01 M		60	8.3	1220	92	45	130	2.0	0	188	486	18	6.0		0.2		934	41
6-15-70	5050		8.0	1500	4.59	3.72	5.66	0.05		3.08	10.12	0.51	0.10					26
1515	5050				33	27	40	0		22	73	4	1					
COYOTE VALLEY 5-18.00																		
11N/06W-19P02 M		67	8.2	429	9.9	52	4.3		0	280		5.9						23
7-14-70	5050		7.4	440	0.49	4.29	0.19			4.59		0.17						1
1530	5050				10	86	4											
11N/07W-13M01 M		77	8.0	379	24	30	13		0	219		7.9						18
7-14-70	5050		7.6	385	1.20	2.48	0.56			3.59		0.22						
1600	5050				28	59	13											
COLLAYOMI VALLEY 5-19.00																		
10N/07W-03B02 M		74	7.8	248	7.0	25	4.9	1.4	0	134	15	5.4	1.8		0.1		128	12
7-14-70	5050		7.4	245	0.35	2.07	0.21	0.04		2.20	0.31	0.15	0.03					
1430	5050				13	78	8	1		82	11	6	1					
11N/07W-33J02 M		69	7.9	180	11	15	3.8		0	108		3.2						9
7-14-70	5050		7.1	182	0.55	1.27	0.16			1.77		0.09						
1500	5050				28	64	8											
SACRAMENTO VALLEY 5-21.00																		
TEHAMA COUNTY 5-21.01																		
23N/02W-04A02 M		65	8.0	336	28	19	14	1.4	0	182	12	6.0	6.3		0.3		198	14
6-04-70	5050		7.1	358	1.40	1.58	0.61	0.04		2.98	0.25	0.17	0.10					
1145	5050				39	43	17	1		85	7	5	3					
23N/02W-05A01 M		70	8.3	330	20	16	29	1.5	0	198	10	4.5	3.9		0.3		187	11
6-04-70	5050		7.9	340	1.00	1.34	1.26	0.04		3.24	0.21	0.13	0.06					
1250	5050				27	37	35	1		89	6	3	2					
23N/03W-22Q01 M		72	---	---														
6-04-70	--		7.3	300														
1400	5050																	
23N/03W-27N01 M		77	8.2	379	36	18	19	0.8	0	178	15	22	6.0		0.4		217	16
6-04-70	5050		7.3	387	1.80	1.46	0.83	0.02		2.92	0.31	0.62	0.10					1
1420	5050				44	35	20	1		74	8	16	2					
23N/03W-35B01 M		70	---	---														
6-04-70	--		7.1	215														
1430	5050																	
24N/01W-36A02 M		70	8.0	216					0	121		2.9						9
6-03-70	5050		7.0	225						1.98		0.08						
1040	5050																	
24N/02W-14K01 M		65	7.5	427	35	26	16	4.7	0	243	11	5.5	16		0.4		263	19
6-05-70	5050		6.9	440	1.75	2.13	0.70	0.12		3.98	0.23	0.16	0.26					
1000	5050				37	45	15	3		86	5	3	6					
24N/02W-30C01 M		66	7.7	578					0	308		23						23
6-05-70	5050		7.1	585						5.05		0.65						
1030	5050																	
24N/03W-03P01 M		66	8.0	317					0	151		7.5						15
7-02-70	5050		7.1	332						2.47		0.21						2
1230	5050																	
24N/03W-14M01 M		72	7.4	240	23	12	12	0.6	0	127	19	4.7	8.2		0.0		154	10
7-02-70	5050		7.3	240	1.15	0.95	0.52	0.02		2.08	0.40	0.13	0.13					
1105	5050				43	36	20	1		76	14	5	5					
24N/03W-17M01 M		71	7.1	218	22	9.7	8.9	0.4	0	106	10	5.4	4.6		0.0		141	9
7-02-70	5050		6.9	212	1.10	0.80	0.39	0.01		1.74	0.21	0.15	0.07					
1025	5050				48	35	17	0		80	10	7	3					
24N/03W-20N01 M		68	7.8	156			12		0	76		4.5	7.8					5
7-02-70	5050		7.0	158			0.52			1.24		0.13	0.12					
0950	5050						33											
24N/03W-24P01 M		74	7.5	652	53	42	34	2.3	0	405	20	9.5	10		0.0		373	30
7-02-70	5050		7.3	650	2.64	3.45	1.48	0.06		6.64	0.42	0.27	0.16					
1120	5050				35	45	19	1		88	6	4	2					

MINERAL ANALYSES OF GROUND WATER

State Well Number / Date / Time	Lab / Sampler	Temp.	pH Lab / Field	EC Lab / Field	Mineral Constituents in Milligrams per Liter / Milliequivalents per Liter / Percent Reactance Value: Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter: F	B	SiO_2	TDS SUM	TH NCH
EHAMA COUNTY 5-21.01 (Continued)																		
24N/03W-33M01 M		77	7.4	137	5.3	5.6	17	0.3	0	67	3.0	3.0	8.1		0.0		111	36
7-02-70	5050		7.3	132	0.26	0.46	0.74	0.01		1.10	0.06	0.08	0.13					0
0930	5050				18	31	50	1		80	4	6	10					
25N/02W-04M01 M		67	---	---														
6-04-70	--		6.5	280														
0810	5050																	
25N/02W-07K01 M		65	7.3	569	50	40	20	0.8	0	292	28	28	20		0.0		380	289
7-03-70	5050		7.1	610	2.50	3.27	0.87	0.02		4.78	0.58	0.79	0.32					50
0950	5050				38	49	13	0		74	9	12	5					
25N/02W-16F01 M		69	---	---														
6-04-70	--		7.3	285														
0845	5050																	
25N/02W-16P01 M		67	7.3	380	28	20	19	3.2	0	172	23	15	12		0.6		262	154
6-04-70	5050		6.5	392	1.40	1.68	0.83	0.08		2.82	0.48	0.42	0.19					13
1000	5050				35	42	21	2		72	12	11	5					
25N/03W-01G01 M		74	7.7	389	28	21	25	0.8	0	198	13	19	6.2		0.0		224	156
7-03-70	5050		7.5	382	1.40	1.72	1.09	0.02		3.24	0.27	0.54	0.10					0
1000	5050				33	41	26	0		78	7	13	2					
25N/03W-01G02 M		74	7.2	617	48	43	22	0.8	0	319	24	35	12		0.0		381	296
7-03-70	5050		7.1	630	2.40	3.51	0.96	0.02		5.23	0.50	0.99	0.19					35
1030	5050				35	51	14	0		76	7	14	3					
25N/03W-03N01 M		69	7.6	382	27	22	20	0.9	0	204	7.1	17	3.4		0.0		216	160
7-03-70	5050		7.6	370	1.35	1.85	0.87	0.02		3.34	0.15	0.48	0.05					0
1125	5050				33	45	21	1		83	4	12	1					
25N/03W-22D01 M		72	7.3	372	25	22	20	0.4	0	167	8.4	28	5.3		0.0		224	151
7-02-70	5050		7.1	370	1.25	1.77	0.87	0.01		2.74	0.17	0.79	0.05					14
1335	5050				32	46	22	0		73	5	21	1					
25N/03W-31R01 M		68	8.2	545			13		0	266		13	15					277
7-03-70	5050		7.0	545			0.56			4.36		0.37	0.24					59
0915	5050						9											
25N/03W-36C01 M		80	7.1	351	48	13	8.2	0.9	0	172	34	5.2	5.4		0.0		217	175
7-02-70	5050		7.0	345	2.40	1.10	0.36	0.02		2.82	0.71	0.15	0.09					34
1315	5050				62	28	9	1		75	19	4	2					
25N/04W-27F01 M		86	7.6	351	25	29	8.9	0.6	0	231		2.5	4.9		0.0		204	182
7-02-70	5050		7.5	350	1.25	2.39	0.39	0.02		3.79		0.07	0.08					0
1400	5050				31	59	10	0										
26N/02W-15M01 M		78	8.1	210	15	10	12	1.5	0	119	1.0	4.2	4.4		0.3		188	81
6-03-70	5050		7.1	218	0.75	0.87	0.52	0.04		1.95	0.02	0.12	0.07					0
1500	5050				34	40	24	2		90	1	6	3					
26N/02W-28P01 M		67	6.8	294	21	19	12	1.2	0	128	21	12	8.5		0.0		206	129
7-14-70	5050		6.7	293	1.05	1.53	0.52	0.03		2.10	0.44	0.34	0.14					24
0950	5050				33	49	17	1		69	15	11	5					
26N/03W-03N01 M		78	---	---														
7-03-70	--		7.6	320														
1200	5050																	
26N/03W-04F01 M		74	7.5	291	28	14	12	0.5	0	142	15	6.9	11		0.0		184	128
7-03-70	5050		7.3	285	1.40	1.16	0.52	0.01		2.33	0.31	0.19	0.18					12
0745	5050				45	38	17	0		78	10	6	6					
26N/03W-26C01 M		77	7.2	353	25	24	13	0.6	0	154	20	15	20		0.0		237	162
7-03-70	5050		7.0	355	1.25	1.99	0.56	0.02		2.52	0.42	0.42	0.32					36
1245	5050				33	52	15	0		69	11	11	9					
26N/03W-32A02 M		72	7.4	178	10	10	9.4	0.3	0	76	7.2	2.9	13		0.0		126	66
7-03-70	5050		7.3	165	0.50	0.82	0.41	0.01		1.24	0.15	0.08	0.21					4
0830	5050				29	47	23	1		74	9	5	12					
26N/03W-36E02 M		69	7.7	355	26	22	19	1.2	0	204	7.7	10	4.8		0.0		216	155
7-03-70	5050		7.7	360	1.30	1.80	0.83	0.03		3.34	0.16	0.28	0.08					0
1020	5050				33	45	21	1		87	4	7	2					
26N/03W-36K01 M		69	---	---														
7-03-70	--		7.7	385														
1150	5050																	
26N/04W-10D01 M		69	---	---														
7-03-70	--		7.5	382														
1350	5050																	
27N/02W-30C02 M		64	---	---														
6-03-70	--		6.5	295														
1345	5050																	

MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in Milligrams per Liter Milliequivalents per Liter Percent Reactance Value Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter F	B	SiO_2	TDS SUM	Ti NC
TEHAMA COUNTY 5-21.01 (Continued)																	
27N/03W-10B01 M	70	8.3	349	24	18	21	3.2	0	140	45	11	3.3		0.4		262	1.
6-03-70 5050		7.2	380	1.20	1.44	0.91	0.08		2.29	0.94	0.31	0.05					
1035 5050				33	40	25	2		64	26	9	1					
27N/03W-10Q01 M	76	7.9	283	15	7.2	36	4.8	0	146	7.6	12	0.1		0.4		218	
6-03-70 5050		7.9	295	0.75	0.59	1.57	0.12		2.39	0.16	0.34	0.00					
1030 5050				25	19	52	4		83	5	12						
27N/03W-15C01 M	69	7.6	362	34	18	13	2.7	0	184	12	12	9.7		0.3		245	1
6-03-70 5050		7.0	370	1.70	1.50	0.56	0.07		3.02	0.25	0.34	0.16					
1005 5050				44	39	15	2		80	7	9	4					
27N/03W-15N01 M	81	8.2	617	44	32	34	4.1	0	243	10	74	5.7		0.9		373	2.
6-03-70 5050		7.3	620	2.20	2.66	1.48	0.10		3.98	0.21	2.09	0.09					
0945 5050				34	41	23	2		63	3	33	1					
27N/03W-19A01 M	68	---	---														
6-03-70 --		7.4	228														
0905 5050																	
27N/03W-25D01 M	68	7.7	404	33	24	14	2.4	0	192	14	12	30		0.4		264	1.
6-03-70 5050		6.8	428	1.65	1.99	0.61	0.06		3.15	0.29	0.34	0.48					
1400 5050				38	46	14	2		74	7	8	11					
27N/04W-01H02 M	71	---	---														
6-03-70 --		7.7	232														
0855 5050																	
27N/04W-03J01 M	70	---	---														
6-12-70 --		7.3	215														
1445 5050																	
27N/04W-24C01 M	70	8.3	286	30	13	12	1.1	0	166	5.1	2.0	5.7		0.3		179	1
6-03-70 5050		7.3	308	1.50	1.08	0.52	0.03		2.72	0.11	0.06	0.09					
1235 5050				48	34	17	1		91	4	2	3					
27N/04W-26J01 M	70	7.6	328	29	17	17	0.7	0	194	3.8	6.0	3.8		0.3		190	1
6-03-70 5050		6.3	342	1.45	1.41	0.74	0.02		3.18	0.08	0.17	0.06					
1245 5050				40	39	20	1		91	2	5	2					
GLENN COUNTY 5-21.02																	
18N/01W-16H01 M	74	8.2	430	26	10	54	1.3	0	202	0.5	39	0.2		0.2		247	1
7-30-70 5050		7.9	425	1.30	0.86	2.35	0.03		3.31	0.01	1.10	0.00					
1155 5050				28	19	52	1		75	0	25						
18N/02W-01E01 M	65	---	---														
7-30-70 --		7.8	750														
1020 5050																	
18N/02W-07F01 M	67	---	---														
7-30-70 --		8.0	575														
0920 5050																	
18N/03W-10K01 M	70	8.1	594					0	300		21						1
7-30-70 5050		7.8	595						4.92		0.58						
0940 5050																	
18N/04W-02F01 M	88	8.3	1120					0	323		118	128					3
7-30-70 5050		7.8	1125						5.29		3.33	2.06					
0845 5050																	
19N/01W-07B03 M	73	8.0	360	29	15	28	1.5	0	209	8.2	7.9	1.7		0.1		212	1
7-30-70 5050		7.8	360	1.45	1.25	1.22	0.04		3.42	0.17	0.22	0.03					
1235 5050				37	31	31	1		89	4	6	1					
19N/02W-23N01 M	71	8.6	752					23	418		10						3
7-30-70 5050		7.6	790					0.77	6.85		0.28						
1215 5050																	
19N/03W-04E01 M	66	8.3	606	41	28	56	0.5	0	323	49	13	15		0.1		360	2
7-30-70 5050		8.0	620	2.04	2.30	2.44	0.01		5.29	1.02	0.37	0.24					
0810 5050				30	34	36	0		76	15	5	4					
19N/03W-09J01 M	67	---	---														
7-30-70 --		7.8	485														
0755 5050																	
19N/03W-18P01 M	66	---	---														
7-30-70 --		7.8	595														
0835 5050																	
19N/03W-26P01 M	72	8.0	584	32	29	54	0.8	0	306	50	14	6.2		0.2		394	
7-30-70 5050		7.7	590	1.60	2.38	2.35	0.02		5.02	1.04	0.39	0.10					
1000 5050				25	38	37	0		77	16	6	1					

MINERAL ANALYSES OF GROUND WATER

State Well Number / Date / Time	Lab / Sampler	Temp.	pH Lab / Field	EC Lab / Field	Mineral Constituents in Milligrams per Liter / Milliequivalents per Liter / Percent Reactance Value: Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter: F	B	SiO_2	TDS SUM	TH NCH
GLENN COUNTY 5-21.02 (Continued)																		
20N/02W-13Q01 M		68	---	---														
7-30-70	--		7.9	485														
1335	5050																	
20N/02W-22E01 M		75	8.0	610	53	41	22	0.7	0	392	22	5.8	2.7		0.0		342	303
7-30-70	5050		7.8	630	2.64	3.41	0.96	0.02		6.42	0.46	0.16	0.04					0
1300	5050				38	48	14	0		91	6	2	1					
20N/03W-02D01 M		67	---	---														
7-29-70	--		7.6	455														
1635	5050																	
20N/03W-16E01 M		75	8.3	305	17	20	18	0.3	0	190	0.0	4.2	7.3		0.0		172	126
7-29-70	5050		8.2	305	0.85	1.67	0.78	0.01		3.11		0.12	0.12					0
1605	5050				26	50	24	0		93		4	3					
20N/03W-16E02 M		77	7.9	269	17	17	15	0.3	0	154	0.0	6.5	9.0		0.0		163	111
7-29-70	5050		7.8	270	0.85	1.37	0.65	0.01		2.52		0.18	0.14					0
1550	5050				29	48	23	0		89		6	5					
20N/03W-26R01 M		70	7.9	502	54	27	16	0.6	0	302	5.8	15	12		0.0		267	247
7-30-70	5050		7.8	500	2.69	2.25	0.70	0.02		4.95	0.12	0.42	0.19					0
0720	5050				48	40	12	0		87	2	8	3					
20N/04W-02Q01 M		75	8.2	349					0	185		5.0	20					155
7-29-70	5050		8.0	355						3.03		0.14	0.32					3
1535	5050																	
21N/01W-29N01 M		65	7.5	381	40	17	14	0.4	0	207	9.9	12	5.1		0.1		209	171
7-30-70	5050		7.4	380	2.00	1.42	0.61	0.01		3.39	0.21	0.34	0.08					2
1500	5050				50	35	15	0		84	5	9	2					
21N/02W-15C01 M		68	8.2	635					0	293		41	23					292
7-29-70	5050		7.6	650						4.80		1.17	0.37					52
1340	5050																	
21N/03W-02Q01 M		70	8.3	709	76	26	24	0.9	0	275	31	37	38		0.1		378	298
7-29-70	5050		---	690	3.79	2.16	1.04	0.02		4.51	0.64	1.04	0.61					72
1400	5050				54	31	15	0		66	10	15	9					
21N/03W-08A02 M		70	8.3	277	19	14	18	0.3	0	160	3.4	7.2	4.8		0.0		166	106
7-29-70	5050		8.0	285	0.95	1.17	0.78	0.01		2.62	0.07	0.20	0.08					0
1440	5050				33	40	27	0		88	2	7	3					
22N/01W-29C01 M		66	8.4	516					5	232		26	17					231
7-29-70	5050		7.6	530					0.17	3.80		0.74	0.27					33
1100	5050																	
22N/02W-03A01 M		69	---	---														
7-29-70	--		7.4	590														
1125	5050																	
22N/02W-03A04 M		67	7.9	590	50	33	22	0.9	0	234	35	42	28		0.0		350	260
7-29-70	5050		7.4	600	2.50	2.69	0.96	0.02		3.84	0.73	1.18	0.45					68
1020	5050				40	44	16	0		62	12	19	7					
22N/02W-04C02 M		70	8.0	405	33	20	19	0.7	0	158	18	29	19		0.0		238	163
7-29-70	5050		7.6	400	1.65	1.61	0.83	0.02		2.59	0.37	0.82	0.31					33
1000	5050				40	39	20	1		63	9	20	8					
22N/02W-07N01 M		68	7.6	518	59	20	21	0.8	0	260	26	19	17		0.2		296	232
7-29-70	5050		7.4	520	2.94	1.68	0.91	0.02		4.26	0.54	0.54	0.27					19
1040	5050				53	30	17	0		76	10	9	5					
22N/02W-20Q01 M		72	7.7	489	55	20	20	0.7	0	250	28	19	5.2		0.2		266	220
7-29-70	5050		7.4	500	2.74	1.66	0.87	0.02		4.10	0.58	0.54	0.08					15
1135	5050				52	31	17	0		77	11	10	2					
22N/02W-26B01 M		65	---	---														
7-29-70	--		7.4	425														
1120	5050																	
22N/03W-06H01 M		68	7.6	934	87	47	43	1.2	0	378	60	89	6.7		0.2		612	410
7-29-70	5050		7.4	960	4.34	3.85	1.87	0.03		6.20	1.25	2.51	0.11					100
1900	5050				43	38	19	0		62	12	25	1					
22N/03W-17E01 M		72	7.9	405	50	14	16	1.5	0	209	14	18	5.9		0.1		217	184
7-29-70	5050		7.6	405	2.50	1.18	0.70	0.04		3.42	0.29	0.51	0.10					13
0810	5050				56	27	16	1		79	7	12	2					
22N/03W-17K01 M		87	8.2	530					0	275		22	8.6					246
7-29-70	5050		7.6	510						4.51		0.62	0.14					20
0755	5050																	
22N/03W-22G02 M		66	7.7	390	43	14	18	0.6	0	186	18	20	5.8		0.2		220	166
7-29-70	5050		7.4	390	2.14	1.18	0.78	0.02		3.05	0.37	0.56	0.09					14
0720	5050				52	29	19	0		75	9	14	2					

MINERAL ANALYSES OF GROUND WATER

State Well Number / Date / Time	Lab / Sampler	Temp.	pH Lab / Field	EC Lab / Field	Mineral Constituents in Milligrams per Liter / Milliequivalents per Liter / Percent Reactance Value: Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter: F	B	SiO_2	TDS SUM	TH NCH
GLENN COUNTY 5-21.02 (Continued)																		
22N/03W-22Q01 M		67	---	---														
7-29-70	--		7.6	460														
0705	5050																	
22N/03W-25B01 M		63	8.2	455			20		0	220		20	14					198
7-30-70	5050		7.5	510			0.87			3.61		0.55	0.23					18
--	5050						18											
22N/03W-32R02 M		66	7.7	381	32	19	18	0.6	0	181	24	15	6.2		0.1		216	158
7-29-70	5050		7.4	395	1.60	1.56	0.78	0.02		2.97	0.50	0.42	0.10					10
1430	5050				40	39	20	1		74	13	11	2					
22N/04W-10B01 M		72	8.4	491					5	231		22						226
7-29-70	5050		7.4	490					0.17	3.79		0.63						28
0830	5050																	
BUTTE COUNTY 5-21.03																		
17N/01E-01R01 M		65	---	596			38					24	8.2					261
9-03-70	5050		7.5	605			1.65					0.66	0.13					
0915	5050						24											
17N/03E-18Q01 M		67	---	---														
9-03-70	--		7.1	600														
0810	5050																	
17N/03E-20C01 M		62	7.9	319	21	22	12	0.9	0	168	11	2.1	20		0.0		227	144
9-03-70	5050		7.1	315	1.05	1.83	0.52	0.02		2.75	0.23	0.06	0.32					6
0830	5050				31	53	15	1		82	7	2	9					
17N/04E-16M01 M		74	7.5	250	17	13	12	0.4	0	89	11	14	23		0.0		198	98
9-02-70	5050		6.8	247	0.85	1.11	0.52	0.01		1.46	0.23	0.39	0.37					25
1330	5050				34	45	21	0		60	9	16	15					
18N/01E-14R01 M		67	8.0	310			15		0	179		5.4						132
9-03-70	5050		7.5	325			0.65			2.93		0.15						0
1230	5050						20											
18N/02E-12G01 M		68	---	---														
9-03-70	--		6.8	258														
1155	5050																	
18N/02E-13R05 M		69	7.8	174	11	10	10	0.6	0	108	0.6	2.4	0.2		0.0		148	71
9-03-70	5050		7.3	175	0.55	0.87	0.44	0.02		1.77	0.01	0.07	0.00					0
1030	5050				29	46	24	1		96	0	4						
18N/02E-14G01 M		68	7.9	238	16	14	13	2.0	0	140	0.8	5.9	3.2		0.0		179	99
9-03-70	5050		7.5	240	0.80	1.18	0.56	0.05		2.29	0.02	0.17	0.05					0
0950	5050				31	45	22	2		90	1	7	2					
18N/03E-16P02 M		62	---	---														
9-02-70	--		7.0	495														
1500	5050																	
18N/03E-25J01 M		76	7.6	184	12	9.5	9.5	1.2	0	78	0.8	9.4	14		0.0		167	69
9-02-70	5050		7.1	181	0.60	0.78	0.41	0.03		1.28	0.02	0.26	0.22					5
1240	5050				33	43	22	2		72	1	15	12					
18N/03E-29P01 M		67	7.8	218	14	14	11	2.0	0	132	4.3	3.0	0.1		0.0		157	92
9-02-70	5050		7.3	225	0.70	1.14	0.48	0.05		2.16	0.09	0.08	0.00					0
1430	5050				30	48	20	2		92	4	4						
18N/03E-33N01 M		67	---	---														
9-02-70	--		7.6	261														
1410	5050																	
18N/04E-07A01 M		68	---	153								4.9	6.7					56
9-02-70	5050		7.7	155								0.14	0.11					
1220	5050																	
18N/04E-21P01 M		66	---	---														
9-02-70	--		7.1	275														
1310	5050																	
18N/04E-28M01 M		71	---	---														
9-02-70	--		8.2	2600														
1300	5050																	
19N/02E-16R01 M		76	---	---														
9-02-70	--		7.5	230														
1530	5050																	
19N/04E-06P01 M		70	8.0	214	14	12	13	0.7	0	125	2.3	4.1	3.0		0.0		168	84
9-02-70	5050		7.1	219	0.70	0.98	0.56	0.02		2.05	0.05	0.12	0.05					0
1110	5050				71	43	25	1		90	2	6	2					

TABLE E-1 (Cont.)

MINERAL ANALYSES OF GROUND WATER

State Well Number / Date / Time	Lab / Sampler	Temp.	pH Lab / Field	EC Lab / Field	Mineral Constituents in Milligrams per Liter / Milliequivalents per Liter / Percent Reactance Value: Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter: F	B	SiO_2	TDS SUM	TH NCH
BUTTE COUNTY 5-21.03 (Continued)																		
19N/04E-06P02 M		69	7.8	216			13		0	118		4.1						87
9-02-70	5050		7.0	219			0.56			1.93		0.12						0
1130	5050						24											
20N/01E-01C01 M		66	8.1	650	59	48	11	0.9	0	359	24	14	44		0.0		413	344
8-31-70	5050		7.0	680	2.94	3.93	0.48	0.02		5.88	0.50	0.39	0.71					50
1155	5050				40	53	7	0		79	7	5	9					
20N/02E-29R03 M		78	---	---														
9-02-70	--		7.3	600														
1400	5050																	
20N/03E-15H01 M		68	---	---														
9-02-70	--		6.1	165														
1010	5050																	
21N/01E-08H02 M		66	8.1	586	48	41	17	1.2	0	316	26	7.7	46		0.0		372	291
8-31-70	5050		7.1	610	2.40	3.41	0.74	0.03		5.18	0.54	0.22	0.74					32
1300	5050				36	52	11	1		78	8	3	11					
21N/02E-21M01 M		71	8.0	303	22	22	11	0.3	0	157	19	3.9	13		0.1		202	144
8-31-70	5050		7.0	310	1.10	1.78	0.48	0.01		2.57	0.40	0.11	0.21					16
1045	5050				33	53	14	0		78	12	3	7					
21N/02E-30F01 M		66	---	---														
8-31-70	--		---	318														
1125	5050																	
21N/03E-10K01 M		69	7.9	212	17	13	7.8	0.5	0	128	0.5	3.3	4.9		0.0		179	96
9-02-70	5050		6.9	212	0.85	1.07	0.34	0.01		2.10	0.01	0.09	0.08					0
0900	5050				37	47	15	1		92	0	4	4					
21N/03E-10Q01 M		68	---	---														
9-02-70	--		6.5	265														
0920	5050																	
21N/01W-35C01 M		69	---	---														
8-31-70	--		7.1	470														
1240	5050																	
22N/01E-05C01 M		67	7.9	358	24	17	27	0.9	0	187	4.6	4.9	33		0.1		249	130
8-31-70	5050		6.9	358	1.20	1.40	1.17	0.02		3.06	0.10	0.14	0.53					0
0930	5050				32	37	31	0		80	3	4	14					
22N/01E-05F01 M		69	7.8	177	11	7.7	16	1.2	0	89	1.8	3.2	16		0.2		158	54
8-31-70	5050		7.3	178	0.55	0.63	0.70	0.03		1.46	0.04	0.09	0.26					0
0910	5050				29	33	37	1		79	2	5	14					
22N/02E-17E01 M		64	---	---														
8-31-70	--		7.0	218														
1010	5050																	
23N/01W-09L01 M		66	---	588								11	49					297
8-31-70	5050		6.9	580								0.30	0.79					
0835	5050																	
COLUSA COUNTY 5-21.04																		
13N/01E-22J01 M		67	---	215			11					4.3						91
9-10-70	5050		7.1	227			0.48					0.12						
1600	5050						21											
13N/01W-06Q01 M		73	7.7	1380	108	53	85	0.8	0	246	17	296	31		0.7		893	487
9-10-70	5050		7.1	1430	5.39	4.34	3.70	0.02		4.03	0.35	8.35	0.50					285
1450	5050				40	32	28	0		30	3	63	4					
13N/01W-07A01 M		75	8.0	1340	116	42	78	1.1	0	180	12	314	22		0.5		1040	464
9-10-70	5050		7.6	1350	5.79	3.48	3.39	0.03		2.95	0.25	8.86	0.35					316
1430	5050				46	27	27	0		24	2	71	3					
13N/01W-30F01 M		70	8.0	431	25	25	31	0.8	0	205	3.3	34	8.0		0.3		232	164
9-10-70	5050		7.8	438	1.25	2.03	1.35	0.02		3.36	0.07	0.96	0.13					0
1410	5050				27	44	29	0		74	2	21	3					
13N/01W-36Q02 M		72	---	---														
9-16-70	--		7.5	470														
1540	5050																	
13N/02W-26A01 M		71	---	---														
9-10-70	--		7.5	700														
1330	5050																	
13N/02W-26G01 M		81	8.2	553	24	37	46	1.4	0	301	8.6	35	3.3		0.4		300	213
9-10-70	5050		7.8	580	1.20	3.06	2.00	0.04		4.93	0.18	0.99	0.05					0
1350	5050				19	48	32	1		80	3	16	1					

MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in Milligrams per Liter Milliequivalents per Liter Percent Reactance Value Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter F	B	SiO_2	TDS SUM	TH NC
COLUSA COUNTY 5-21.04 (Continued)																	
14N/01E-16K01 M	67	8.1	559	14	11	100	1.5	0	251	12	58	0.0		0.4		355	8
9-11-70 5050		7.7	555	0.70	0.94	4.35	0.04		4.11	0.25	1.64						(
0810 5050				12	15	72	1		69	4	27						
14N/01W-02D01 M	66	8.0	1150			100		0	226		197						35
9-11-70 5050		7.5	1130			4.35			3.70		5.56						17
0745 5050						38											
14N/02W-29J01 M	75	---	---														
9-10-70 --		7.1	280														
1210 5050																	
15N/02W-32R01 M	69	8.1	894	82	33	77	0.4	0	466	55	36	39		0.2		482	34
9-10-70 5050		7.3	900	4.09	2.72	3.35	0.01		7.64	1.14	1.02	0.63					(
1045 5050				40	27	33	0		73	11	10	6					
15N/03W-01R01 M	71	8.3	967	37	32	142	1.5	0	374	95	92	0.2		0.5		612	22
9-10-70 5050		---	990	1.85	2.65	6.18	0.04		6.13	1.98	2.60	0.00					(
0920 5050				17	25	58	0		57	19	24						
15N/03W-26L01 M	70	8.1	669	49	19	73	0.8	0	298	58	38	7.8		0.3		381	20
9-10-70 5050		7.3	660	2.44	1.58	3.18	0.02		4.88	1.21	1.07	0.12					(
0940 5050				34	22	44	0		67	16	15	2					
16N/01W-29J01 M	72	8.2	429	30	25	33	0.6	0	280	1.8	9.9	0.1		0.2		238	17
9-03-70 5050		8.0	442	1.50	2.04	1.44	0.02		4.59	0.04	0.28	0.00					(
1600 5050				30	41	29	0		93	1	6						
16N/02W-04H01 M	65	---	---														
9-04-70 --		7.7	555														
0840 5050																	
16N/02W-25B02 M	73	8.2	1240			185		0	647		32						33
9-03-70 5050		7.7	1230			8.05			10.60		0.90						(
1400 5050						55											
16N/02W-25B03 M	71	8.3	1120			183		0	585		30						25
9-03-70 5050		7.7	1180			7.96			9.59		0.85						(
1430 5050						61											
16N/02W-35B01 M	68	---	---														
9-03-70 --		7.8	715														
1500 5050																	
16N/03W-09N01 M	74	---	---														
9-04-70 --		7.8	580														
1015 5050																	
17N/01W-30K03 M	71	8.1	516	49	30	23	2.1	0	348	0.0	10	0.0		0.1		277	24
9-03-70 5050		8.0	530	2.44	2.48	1.00	0.05		5.70		0.28						(
1330 5050				41	41	17	1		95		5						
17N/02W-12C01 M	66	---	---														
9-04-70 --		7.9	495														
0805 5050																	
17N/02W-30J02 M	66	8.2	1680	68	54	235	2.5	0	392	341	168	4.6		0.4		1130	39
9-04-70 5050		7.7	1660	3.39	4.46	10.22	0.06		6.42	7.10	4.74	0.07					7
0915 5050				19	25	56	0		35	39	26	0					
17N/03W-32M01 M	66	8.1	596	42	16	71	0.6	0	3.13	49	13	7.6		0.2		341	17
9-04-70 5050		7.4	582	2.10	1.36	3.09	0.02		5.13	1.02	0.37	0.12					(
1000 5050				32	21	47	0		77	15	6	2					
17N/03W-33R01 M	71	---	---														
9-04-70 --		7.7	980														
0940 5050																	
17N/03W-33R02 M	70	---	---														
9-04-70 --		7.4	920														
0945 5050																	
SUTTER COUNTY 5-21.05																	
11N/03E-14R01 M	64	8.3	1080	41	11	169	4.9	0	301	9.7	191	0.0		0.3		609	147
8-31-70 5050		8.1	960	2.05	0.89	7.35	0.13		4.93	0.20	5.39						(
0730 5050				20	9	70	1		47	2	51						
11N/04E-13H01 M	69	8.0	264	17	9.1	20	0.8	0	123	2.5	18	5.5		0.0		198	8
9-24-70 5050		7.7	240	0.85	0.75	0.87	0.02		2.02	0.05	0.51	0.09					(
1300 5050				34	30	35	1		76	2	19	3					
11N/04E-23P02 M	--	8.1	313	28	11	28		0	152		21						114
8-24-70 5050		7.7	280	1.40	0.88	1.22			2.49		0.59						(
1400 5050				40	25	35											

TABLE E-1 (Cont.)

MINERAL ANALYSES OF GROUND WATER

State Well Number / Date / Time	Lab / Sampler	Temp.	pH Lab / Field	EC Lab / Field	Mineral Constituents in Milligrams per Liter / Milliequivalents per Liter / Percent Reactance Value: Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter: F	B	SiO_2	TDS SUM	TH NCH
SUTTER COUNTY 5-21.05 (Continued)																		
12N/02E-06D01 M			8.3	484	11	13	84	1.2	0	288	10	16	0.0		0.4		294	83
9-01-70	5050		7.9	440	0.55	1.11	3.65	0.03		4.72	0.21	0.45						0
1330	5050				10	21	68	1		88	4	8						
12N/02E-26Q01 M			8.2	951	17	13	180		0	307		162						96
9-01-70	5050		7.9	850	0.85	1.07	7.83			5.03		4.57						0
1445	5050				9	11	80											
12N/04E-05R05 M		68	8.3	236	16	8.5	22	2.3	0	139	2.1	5.9	0.5		0.2		144	75
8-25-70	5050		7.9	215	0.80	0.70	0.96	0.06		2.28	0.04	0.17	0.01					0
1030	5050				32	28	38	2		91	2	7	0					
13N/03E-15C03 M		66	7.9	2980	228	186	111		0	363		842						1330
8-25-70	5050		7.3	2650	11.38	15.27	4.83			5.95		23.75						1040
1300	5050				36	49	15											
13N/04E-24N01 M			8.2	267	15	14	17	0.7	0	107	4.8	23	5.0		0.0		166	97
8-25-70	5050		7.5	240	0.75	1.19	0.74	0.02		1.75	0.10	0.65	0.08					10
0815	5050				28	44	27	1		68	4	25	3					
13N/05E-07Q02 M			8.3	731	56	49	30	1.1	0	306	109	16	30		0.0		462	344
8-25-70	5050		7.1	650	2.80	4.07	1.30	0.03		5.02	2.27	0.45	0.49					93
0915	5050				34	50	16	0		61	28	5	6					
14N/02E-17A03 M		66	8.3	362	20	18	34	2.1	0	216	10	6.9	0.0		0.2		229	123
9-01-70	5050		7.8	330	1.00	1.46	1.48	0.05		3.54	0.21	0.19						0
1230	5050				25	37	37	1		90	5	5						
14N/03E-20H03 M		67	8.3	784	58	46	42	1.5	0	363	43	65	0.0		0.0		436	335
8-25-70	5050		7.7	710	2.89	3.80	1.83	0.04		5.95	0.90	1.83						37
1415	5050				34	44	21	1		69	10	21						
15N/01E-14B01 M			8.2	215	11	12	12	3.1	0	57	4.9	14	37		0.0		215	75
9-01-70	5050		7.1	190	0.55	0.95	0.52	0.08		0.93	0.10	0.39	0.60					29
1015	5050				26	45	25	4		46	5	19	30					
15N/03E-29G03 M		66	8.3	866	56	66	38	1.3	0	481	38	29	34		0.0		549	411
8-31-70	5050		7.3	780	2.79	5.42	1.65	0.03		7.88	0.79	0.82	0.54					17
1000	5050				28	55	17	0		79	8	8	5					
16N/03E-20F02 M			8.3	443	31	32	18	1.6	0	266	12	9.6	8.6		0.0		228	208
8-31-70	5050		7.5	400	1.55	2.61	0.78	0.04		4.36	0.25	0.27	0.14					0
1230	5050				31	52	16	1		87	5	5	3					
17N/01E-25D01 M		68	7.8	584	44	27	28		0	142		76	63					222
9-01-70	5050		7.1	520	2.20	2.24	1.22			2.33		2.14	1.02					106
0900	5050				39	40	21											
17N/02E-35A02 M			8.3	447	35	32	14	1.8	0	297	5.4	5.1	4.2		0.0		242	221
9-01-70	5050		7.5	405	1.75	2.67	0.61	0.05		4.87	0.11	0.14	0.07					0
0830	5050				34	53	12	1		94	2	3	1					
YUBA COUNTY 5-21.06																		
13N/04E-12H04 M		64	8.3	919	56	28	115	2.1	0	418	111	27	22		0.2		530	256
8-13-70	5050		7.3	850	2.79	2.32	5.00	0.05		6.85	2.31	0.76	0.35					0
1400	5050				27	23	49	1		67	23	7	3					
14N/04E-20D02 M			8.3	304	22	13	18	1.2	0	118	9.5	30	0.0		0.0		152	109
8-14-70	5050		7.9	270	1.10	1.08	0.78	0.03		1.93	0.20	0.85						13
0830	5050				37	36	26	1		65	7	28						
14N/05E-16Q01 M			8.1	819	47	48	24	1.8	0	73	22	193	3.7		0.0		597	315
8-13-70	5050		6.9	720	2.35	3.94	1.04	0.05		1.20	0.46	5.44	0.06					255
0930	5050				32	53	14	1		17	6	76	1					
14N/05E-18E01 M			8.3	189	12	9.7	12	0.5	0	95	4.3	6.7	5.0		0.0		115	70
8-13-70	5050		7.1	170	0.60	0.80	0.52	0.01		1.56	0.09	0.19	0.08					0
1230	5050				31	41	27	1		81	5	10	4					
14N/05E-21Q01 M		69	8.2	1100	36	36	122	2.8	0	89	30	274	4.6		0.5		701	237
8-13-70	5050		7.1	960	1.80	2.94	5.31	0.07		1.46	0.62	7.73	0.07					164
1030	5050				18	29	52	1		15	6	78	1					
15N/04E-05D02 M			8.3	313	26	16	16	1.6	0	158	23	8.9	0.3		0.0		180	129
8-17-70	5050		7.9	280	1.30	1.28	0.70	0.04		2.59	0.48	0.25	0.00					0
0900	5050				39	39	21	1		78	14	8						
15N/04E-21D01 M		66	7.8	425	38	26	15		0	229		3.8						203
8-14-70	5050		7.7	380	1.90	2.16	0.65			3.75		0.11						16
1200	5050				40	46	14											
15N/04E-23Q01 M		68	8.2	186	14	8.8	13	0.8	0	118	0.0	3.3	0.1		0.0		97	71
8-14-70	5050		7.7	170	0.70	0.72	0.57	0.02		1.93		0.09	0.00					0
1030	5050				35	36	28	1		96		4						

MINERAL ANALYSES OF GROUND WATER

State Well Number / Date / Time	Lab / Sampler	Temp.	pH Lab / Field	EC Lab / Field	Mineral Constituents in Milligrams per Liter / Milliequivalents per Liter / Percent Reactance Value: Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter: F	B	SiO_2	TDS SUM	TH NCH
YUBA COUNTY 5-21.06 (Continued)																		
15N/05E-07B01 M		68	8.2	277	24	12	14	1.0	0	133	28	4.2	0.0		0.0		186	109
8-14-70	5050		7.9	250	1.20	0.98	0.61	0.02		2.18	0.58	0.12						0
1400	5050				42	35	22	1		76	20	4						
16N/03E-24M02 M		64	8.3	505	40	33	18	0.8	0	280	14	11	22		0.0		286	237
8-17-70	5050		7.3	460	2.00	2.74	0.78	0.02		4.59	0.29	0.31	0.35					8
1200	5050				36	50	14	0		83	5	6	6					
16N/04E-27F02 M			8.2	199	9.6	8.8	22	0.4	0	109	8.2	2.4	4.2		0.0		142	60
8-17-70	5050		7.3	180	0.48	0.72	0.96	0.01		1.79	0.17	0.07	0.07					0
1000	5050				22	33	44	1		85	8	4	3					
PLACER COUNTY 5-21.07																		
11N/05E-29E01 M			8.3	268	15	10	26	1.4	0	128	0.2	17	4.3		0.2		183	79
8-12-70	5050		7.7	240	0.75	0.83	1.13	0.04		2.10	0.00	0.48	0.07					0
0715	5050				27	30	41	2		79		18	3					
11N/06E-34B01 M		70	8.3	266	20	12	20	1.4	0	146	0.8	11	3.0		0.0		195	100
8-11-70	5050		6.9	240	1.00	1.00	0.87	0.04		2.39	0.02	0.31	0.05					0
1100	5050				34	34	30	2		86	1	11	2					
12N/05E-34K01 M			8.3	256	16	15	16	0.8	0	135	0.4	20	4.0		0.0		164	101
8-11-70	5050		7.3	235	0.80	1.22	0.70	0.02		2.21	0.01	0.56	0.06					0
1330	5050				29	44	26	1		78	0	20	2					
13N/05E-24P01 M		67	7.9	263	17	10	20	0.4	0	114	5.9	21	5.0		0.0		206	85
8-12-70	5050		7.1	235	0.85	0.85	0.87	0.01		1.87	0.12	0.59	0.08					0
1000	5050				33	33	34	0		70	5	22	3					
SACRAMENTO COUNTY 5-21.08																		
05N/05E-10C02 M		66	8.3	366	26	19	26	2.1	0	221	1.6	11	0.0		0.1		214	144
9-24-70	5050		7.9	330	1.30	1.58	1.13	0.05		3.62	0.03	0.31						0
0830	5050				32	39	28	1		91	1	8						
05N/06E-20J03 M		68	8.1	227	14	8.0	21	1.1	0	128	1.5	7.0	0.7		0.0		182	68
8-05-70	5050		7.7	200	0.70	0.66	0.91	0.03		2.10	0.03	0.20	0.01					0
0730	5050				30	29	40	1		90	1	9	0					
05N/07E-21D01 M			8.1	222	13	11	16	1.0	0	91	0.0	15	12		0.0		150	78
8-04-70	5050		7.0	195	0.65	0.91	0.70	0.03		1.49		0.42	0.20					4
1430	5050				28	40	31	1		71		20	9					
06N/05E-27G01 M		68	8.3	248	15	14	18	1.7	0	145	0.0	6.3	1.7		0.0		149	95
8-05-70	5050		7.7	225	0.75	1.15	0.78	0.04		2.38		0.18	0.03					0
1100	5050				28	42	29	1		92		7	1					
06N/06E-05E01 M		68	8.3	205	13	13	11	1.5	0	118	0.4	4.9	2.8		0.0		135	85
8-05-70	5050		7.5	190	0.65	1.05	0.48	0.04		1.93	0.01	0.14	0.05					0
1230	5050				29	47	22	2		91	0	7	2					
06N/07E-28M01 M		69	8.1	157	7.8	5.5	15	1.6	0	64	2.0	7.6	8.4		0.0		146	42
8-06-70	5050		7.1	145	0.39	0.45	0.65	0.04		1.05	0.04	0.21	0.14					0
0830	5050				26	29	42	3		73	3	14	10					
07N/05E-07C01 M		67	7.9	287	22	13	19		0	131		27						107
8-06-70	5050		7.7	255	1.10	1.04	0.83			2.15		0.76						0
1500	5050				37	35	28											
07N/05E-12P01 M		70	8.3	202	13	9.4	18	2.2	0	120	0.0	5.5	0.0		0.0		128	71
8-06-70	5050		7.5	180	0.65	0.77	0.78	0.06		1.97		0.16						0
1400	5050				29	34	34	3		92		8						
07N/06E-20J03 M		69	8.3	220	15	11	16	3.4	0	126	0.0	5.7	2.2		0.0		146	81
8-06-70	5050		7.5	200	0.75	0.87	0.70	0.09		2.06		0.16	0.04					0
0700	5050				31	36	29	4		91		7	2					
08N/05E-30A01 M		68	8.3	262	21	12	12	2.7	0	132	0.4	11	6.2		0.0		161	103
8-07-70	5050		7.5	225	1.05	1.01	0.52	0.07		2.16	0.01	0.31	0.10					0
1000	5050				39	38	20	3		84	0	12	4					
08N/06E-09Q04 M			8.0	161	11	7.4	9.2	1.1	0	66	1.2	5.1	15		0.0		114	58
8-28-70	5050		7.3	140	0.55	0.61	0.40	0.03		1.08	0.02	0.14	0.24					4
1400	5050				35	38	25	2		73	1	10	16					
08N/06E-28P04 M		69	8.3	226	16	8.3	18	1.6	0	108	0.4	9.8	10		0.0		145	74
8-06-70	5050		7.5	200	0.80	0.68	0.78	0.04		1.77	0.01	0.28	0.16					0
1100	5050				35	29	34	2		80	0	13	7					
09N/04E-13F01 M		63	8.3	479	29	25	31	2.5	0	181	16	50	2.2		0.2		276	175
8-11-70	5050		7.7	430	1.45	2.05	1.35	0.06		2.97	0.33	1.41	0.04					27
0645	5050				30	42	27	1		62	7	30	1					
09N/05E-28K01 M		70	8.3	387	24	19	20	4.3	0	125	0.0	55	1.9		0.1		240	139
8-07-70	5050		7.3	340	1.20	1.58	0.87	0.11		2.05		1.55	0.03					37
1200	5050				32	42	23	3		56		43	1					

TABLE E-1 (Cont.)

MINERAL ANALYSES OF GROUND WATER

State Well Number / Date / Time	Lab / Sampler	Temp.	pH Lab / Field	EC Lab / Field	Mineral Constituents in Milligrams per Liter / Milliequivalents per Liter / Percent Reactance Value: Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter: F	B	SiO_2	TDS SUM	TH NCH
SACRAMENTO COUNTY 5-21.08 (Continued)																		
09N/06E-02P01 M		71	8.3	344	30	18	12	5.0	0	167	4.4	17	9.6		0.0		203	147
8-07-70	5050		7.4	310	1.50	1.44	0.52	0.13		2.74	0.09	0.48	0.15					10
1330	5050				42	40	14	4		79	3	14	4					
10N/04E-36B01 M		68	8.3	337	23	17	22	1.5	0	171	0.8	19	3.7		0.0		192	128
8-10-70	5050		7.5	300	1.15	1.41	0.96	0.04		2.80	0.02	0.54	0.06					0
1000	5050				32	40	27	1		82	0	16	2					
10N/05E-14Q02 M		68	8.3	336	19	21	18	0.9	0	153	2.4	26	4.8		0.0		222	134
8-10-70	5050		7.1	300	0.95	1.73	0.78	0.02		2.51	0.05	0.73	0.08					9
1200	5050				27	50	22	1		74	2	22	2					
10N/07E-20D02 M			8.3	546	15	8.9	86	2.2	0	153	27	73	1.1		1.4		353	74
8-07-70	5050		7.1	480	0.75	0.75	3.74	0.06		2.51	0.56	2.06	0.02					0
1500	5050				14	14	71	1		49	11	40	0					
YOLO COUNTY 5-21.09																		
07N/04E-33L01 M		63	8.3	2760	125	38	364	12	0	204	0.5	766	0.0		1.7		1660	467
9-03-70	5050		7.9	2500	6.24	3.09	15.83	0.31		3.34	0.01	21.61						300
0645	5050				25	12	62	1		13	0	87						
08N/02E-14M03 M			8.3	965	32	80	69	0.9	0	525	70	38	13		0.6		595	409
9-04-70	5050		7.7	860	1.60	6.57	3.00	0.02		8.60	1.46	1.07	0.21					0
0700	5050				14	59	27	0		76	13	9	2					
08N/04E-16N08 M		65	8.3	1040	36	20	152	5.8	0	307	12	174	0.0		1.6		601	173
9-03-70	5050		7.7	925	1.80	1.66	6.61	0.15		5.03	0.25	4.91						
0800	5050				18	16	65	1		49	3	48						
08N/01W-16G02 M			7.9	261	16	17	15	1.0	0	165	0.0	5.8	5.9		0.0		166	109
9-11-70	5050		7.9	230	0.80	1.38	0.65	0.02		2.70		0.16	0.10					0
0900	5050				28	48	23	1		91		6	3					
09N/01E-34N01 M		69	8.3	768	21	61	60	0.7	0	377	42	49	7.4		0.4		465	302
9-03-70	5050		7.9	680	1.05	4.98	2.61	0.02		6.18	0.87	1.38	0.12					0
1015	5050				12	58	30	0		72	10	16	2					
09N/02E-10E01 M		67	8.2	601	32	31	48	1.4	0	290	17	46	1.6		1.5		333	207
9-04-70	5050		7.9	530	1.60	2.54	2.09	0.04		4.75	0.35	1.30	0.02					0
0815	5050				26	40	33	1		74	6	20	0					
10N/01E-33J01 M			8.3	525	18	30	52	1.3	0	262	19	33	0.6		1.3		273	167
9-03-70	5050		7.9	460	0.90	2.44	2.26	0.03		4.29	0.40	0.93	0.01					0
1400	5050				16	43	40	1		76	7	17	0					
10N/01W-02Q01 M			8.3	398	17	16	52	0.9	0	227	13	9.2	6.8		0.6		220	108
9-10-70	5050		8.1	350	0.85	1.31	2.26	0.02		3.72	0.27	0.26	0.11					0
1230	5050				19	30	51	0		85	6	6	3					
10N/02W-26P01 M			8.3	381	33	19	24	0.6	0	230	9.2	4.7	7.0		0.1		196	161
9-10-70	5050		7.9	340	1.65	1.57	1.04	0.02		3.77	0.19	0.13	0.11					0
1430	5050				39	37	24	0		90	4	3	3					
11N/01E-06P02 M			8.3	770	35	55	60	0.6	0	472	23	15	19		0.5		461	316
9-04-70	5050		7.7	680	1.75	4.56	2.61	0.02		7.74	0.48	0.42	0.30					0
1230	5050				20	51	29	0		87	5	5	3					
11N/02E-29A02 M		65	8.3	1100	50	70	71	3.4	0	353	74	143	8.8		3.4		667	412
9-04-70	5050		7.5	1100	2.50	5.73	3.09	0.09		5.78	1.54	4.03	0.14					123
1000	5050				22	50	27	1		50	14	35	1					
CAPAY VALLEY 5-21.10																		
10N/03W-11A01 M		65	7.7	892	76	24	76	0.8	0	290	75	100	8.2		0.6		532	291
9-11-70	5050		7.0	790	3.79	2.02	3.31	0.02		4.75	1.56	2.82	0.13					53
1200	5050				42	22	36	0		51	17	31	1					
SOLANO COUNTY 5-21.11																		
04N/01E-01J01 M		65	8.3	1680	72	96	124	0.9	0	255	52	381	35		0.4		953	576
7-29-70	5050		8.3	1725	3.59	7.92	5.39	0.02		4.18	1.08	10.75	0.56					367
1000	5050				21	47	32	0		25	7	65	3					
04N/03E-31F02 M		65	---	783								75						
7-21-70	5050		8.3	775								2.12						
1545	5050																	
05N/01E-23R01 M		65	8.3	725	7.7	8.0	160	0.7	0	339	69	30	0.0		1.0		456	52
7-22-70	5050		8.2	725	0.38	0.66	6.96	0.02		5.56	1.44	0.85						0
1545	5050				5	8	87	0		71	18	11						
05N/01E-36A01 M		64	8.0	1160	63	70	107	1.2	0	621	26	91	5.4		0.4		663	447
7-22-70	5050		7.6	1190	3.14	5.79	4.65	0.03		10.18	0.54	2.57	0.09					0
1500	5050				23	43	34	0		76	4	19	1					

TABLE E-1 (Cont.)

MINERAL ANALYSES OF GROUND WATER

State Well Number / Date / Time	Lab / Sampler	Temp.	pH Lab / Field	EC Lab / Field	Mineral Constituents in Milligrams per Liter / Milliequivalents per Liter / Percent Reactance Value: Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter: F	B	SiO_2	TDS SUM	TH NCH
SOLANO COUNTY 5-21.11 (Continued)																		
05N/02E-25K01 M		63	---	1500								25						
7-21-70	5050		8.1	1550								0.70						
1615	5050																	
06N/01E-19L02 M		63	8.3	982	95	40	72		0	390		67						401
7-23-70	5050		7.5	1000	4.74	3.27	3.13			6.39		1.89						81
0900	5050				43	29	28											
06N/01E-19Q01 M			8.1	791	69	30	59		0	317		65						297
7-23-70	5050		7.3	790	3.44	2.49	2.57			5.20		1.83						37
0930	5050				41	29	30											
06N/01W-01B04 M		67	8.3	543	46	20	42		0	262		35						196
7-23-70	5050		7.7	545	2.30	1.62	1.83			4.29		0.99						0
1030	5050				40	28	32											
06N/01W-23L01 M		67	---	558								15						
7-23-70	5050		7.6	560								0.42						
0830	5050																	
07N/01E-36C01 M		68	8.2	1160	53	98	78		0	649		46						534
7-23-70	5050		7.9	1175	2.64	8.03	3.39			10.64		1.30						2
1430	5050				19	57	24											
07N/02E-02D01 M		66	7.9	951	37	87	54	0.8	0	599	33	26	10		0.7		541	450
7-23-70	5050		7.8	950	1.85	7.14	2.35	0.02		9.82	0.69	0.73	0.16					0
1300	5050				16	63	21	0		86	6	6	2					
07N/02E-34C02 M		66	8.4	834	42	72	47		9	451		33						401
7-23-70	5050		7.9	860	2.10	5.91	2.04		0.30	7.39		0.93						16
1345	5050				21	59	20											
08N/01E-26F01 M		66	8.3	1100	65	102	56		0	668		22						583
7-23-70	5050		7.7	1150	3.24	8.41	2.44			10.95		0.62						35
1500	5050				23	60	17											
08N/01W-23A01 M		65	---	---														
8-11-70	5050		7.9	535														
1230	5050																	
SAN JOAQUIN VALLEY 5-22.00																		
SAN JOAQUIN COUNTY 5-22.01																		
01N/06E-13B03 M		63	8.2	302	23	9.1	24	1.7	0	132	6.6	26	0.0		0.0		202	95
7-22-70	5050		7.7	270	1.15	0.75	1.04	0.04		2.16	0.14	0.73						0
0700	5050				39	25	35	1		71	5	24						
01N/07E-26H03 M			7.7	199	14	7.3	12	4.3	0	88	3.1	9.0	11		0.1		158	65
7-24-70	5050		7.7	175	0.70	0.60	0.52	0.11		1.44	0.06	0.25	0.18					0
0730	5050				36	31	27	6		75	3	13	9					
01N/08E-10C01 M		64	7.7	229	16	9.7	13	3.8	0	112	6.9	9.2	7.8		0.0		178	80
7-24-70	5050		7.4	210	0.80	0.80	0.57	0.10		1.84	0.14	0.26	0.13					0
1230	5050				35	35	25	5		78	6	11	5					
01N/09E-26A01 M		64	7.7	223	17	9.8	14	3.4	0	101	9.4	11	9.3		0.1		184	83
7-24-70	5050		7.3	210	0.85	0.81	0.61	0.09		1.66	0.20	0.31	0.15					0
0930	5050				36	34	26	4		72	9	13	6					
02N/06E-07P01 M			7.8	490	46	19	26	1.7	0	209	12	48	0.0		0.0		276	192
7-27-70	5050		7.9	485	2.30	1.54	1.13	0.04		3.42	0.25	1.35						21
1250	5050				46	31	22	1		68	5	27						
02N/07E-07Q01 M			8.1	273	22	14	11	4.5	0	154	7.2	6.0	2.3		0.0		165	114
7-27-70	5050		7.4	260	1.09	1.19	0.48	0.12		2.52	0.15	0.17	0.04					0
1345	5050				38	41	17	4		88	5	6	1					
02N/07E-25M01 M		65	8.0	219	17	8.1	12	7.0	0	121	1.2	4.8	3.7		0.0		151	76
7-28-70	5050		7.5	210	0.85	0.67	0.52	0.18		1.98	0.02	0.14	0.06					0
0700	5050				38	30	24	8		90	1	6	3					
02N/08E-13G01 M			8.0	219	18	11	9.2	3.0	0	102	11	7.2	3.5		0.0		141	90
7-28-70	5050		7.3	210	0.90	0.90	0.40	0.08		1.67	0.23	0.20	0.06					7
1015	5050				39	39	18	4		77	11	9	3					
03N/06E-13A04 M			8.3	683	59	32	35	6.2	0	322	18	42	24		0.0		367	281
8-03-70	5050		7.3	600	2.94	2.67	1.52	0.16		5.28	0.37	1.18	0.39					17
1330	5050				40	37	21	2		73	5	16	6					
03N/08E-20P01 M			8.2	226	15	9.4	16	3.5	0	118	0.8	7.8	4.3		0.0		158	76
8-03-70	5050		7.5	200	0.75	0.77	0.70	0.09		1.93	0.02	0.22	0.07					0
0915	5050				33	33	30	4		86	1	10	3					
03N/09E-06N01 M			7.8	144	7.9	6.4	9.2	4.1	0	61	0.0	5.8	12		0.0		121	46
7-28-70	5050		7.3	130	0.39	0.53	0.40	0.10		1.00		0.16	0.20					0
1300	5050				28	37	28	7		73		12	15					

TABLE E-1 (Cont.)

MINERAL ANALYSES OF GROUND WATER

State Well Number / Date / Time	Lab / Sampler	Temp.	pH Lab / Field	EC Lab / Field	Mineral Constituents in Milligrams per Liter / Milliequivalents per Liter / Percent Reactance Value: Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter: F	B	SiO_2	TDS SUM	TH NCH
SAN JOAQUIN COUNTY 5-22.01																		
04N/06E-12C06 M			8.2	212	15	11	10	3.6	0	115	8.0	5.8	1.8		0.0		146	84
8-04-70	5050		7.5	190	0.75	0.93	0.44	0.09		1.88	0.17	0.16	0.03					0
0700	5050				34	42	20	4		84	8	7	1					
04N/07E-12P04 M			8.1	168	8.2	6.7	16	2.2	0	88	0.0	7.6	8.7		0.0		133	48
8-04-70	5050		7.1	145	0.41	0.55	0.70	0.06		1.44		0.21	0.14					0
0845	5050				24	32	41	3		80		12	8					
04N/09E-17E02 M		68	8.0	241	12	9.5	22	2.9	0	102	3.2	13	13		0.0		167	70
8-04-70	5050		7.0	210	0.62	0.78	0.96	0.07		1.67	0.07	0.37	0.21					0
1030	5050				26	32	39	3		72	3	16	9					
01S/06E-02D04 M		64	7.7	1210	76	28	114	4.3	0	228	8.1	263	0.1		0.3		680	305
7-22-70	5050		7.7	---	3.79	2.30	4.96	0.11		3.74	0.17	7.42	0.00					118
0900	5050				34	21	44	1		33	2	65						
01S/08E-13M01 M			7.8	392	30	17	22	3.7	0	166	10	25	23		0.0		263	144
7-23-70	5050		7.5	330	1.50	1.38	0.96	0.09		2.72	0.21	0.70	0.37					8
1400	5050				38	35	25	2		68	5	18	9					
01S/09E-11J01 M			7.7	210	13	9.4	13	3.4	0	83	7.2	12	10		0.0		173	71
7-23-70	5050		7.3	190	0.65	0.77	0.57	0.09		1.36	0.15	0.34	0.16					3
0930	5050				31	37	28	4		68	7	17	8					
02S/07E-24R02 M			7.8	284	22	6.1	26	4.2	0	118	8.9	18	14		0.1		198	80
7-20-70	5050		7.9	240	1.10	0.50	1.13	0.11		1.93	0.19	0.51	0.23					0
1400	5050				39	17	40	4		67	7	18	8					
02S/08E-02C01 M			7.8	329	26	15	18	2.7	0	141	20	5.0	30		0.0		236	125
7-22-70	5050		7.4	280	1.30	1.20	0.78	0.07		2.31	0.42	0.14	0.48					10
1330	5050				39	36	23	2		69	13	4	14					
02S/09E-12R01 M			7.8	325	28	13	20	3.2	0	199	7.7	2.0	5.4		0.0		190	124
7-23-70	5050		7.5	300	1.40	1.08	0.87	0.08		3.26	0.16	0.06	0.09					0
0800	5050				41	32	25	2		91	4	2	3					
03S/05E-04H01 M		64	7.8	1100	94	31	86	4.6	0	228	102	172	25		1.3		667	363
7-21-70	5050		7.5	---	4.69	2.56	3.74	0.12		3.74	2.12	4.85	0.40					176
1300	5050				42	23	34	1		34	19	44	3					
03S/05E-12J02 M			7.7	1660	135	47	148	1.7	0	141	375	234	39		1.0		1190	531
7-21-70	5050		7.7	---	6.74	3.87	6.44	0.04		2.31	7.81	6.60	0.63					415
0900	5050				39	23	38	0		13	45	38	4					
03S/06E-17K01 M		64	7.8	851	69	21	76	2.0	0	208	151	66	20		1.0		536	259
7-21-70	5050		7.7	---	3.44	1.73	3.31	0.05		3.41	3.15	1.86	0.32					88
1030	5050				40	20	39	1		39	36	21	4					
LAHONTAN REGION 6-00.00																		
SURPRISE VALLEY 6-01.00																		
39N/17E-05D01 M		67	7.8	371					0	102		17		2.8				50
7-21-70	5050		8.4	382						1.67		0.48						0
1525	5050																	
40N/16E-11G01 M		53	7.7	209					0	132		0.8						84
7-22-70	5050		7.7	210						2.16		0.02						0
0800	5050																	
40N/16E-13R01 M		54	---	---														
7-22-70	--		7.7	222														
0825	5050																	
40N/17E-20C01 M		57	---	---														
7-21-70	--		8.1	375														
1600	5050																	
41N/16E-25C01 M		56	---	---														
7-22-70	--		8.1	182														
0845	5050																	
41N/16E-35D02 M		58	---	---														
7-21-70	--		7.5	143														
1345	5050																	
42N/16E-08E01 M		59	---	---														
7-21-70	--		7.9	280														
0930	5050																	
42N/16E-08F01 M		58	8.2	319			12		0	198		2.4						171
7-21-70	5050		7.4	330			0.52			3.24		0.07						9
1000	5050						13											
42N/16E-34F01 M		59	---	---														
7-22-70	--		8.1	278														
0745	5050																	

TABLE E-1 (Cont.)

MINERAL ANALYSES OF GROUND WATER

State Well Number / Date / Time	Lab / Sampler	Temp.	pH Lab / Field	EC Lab / Field	Mineral Constituents in Milligrams per Liter / Milliequivalents per Liter / Percent Reactance Value: Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter: F	B	SiO_2	TDS SUM	TH NCH
SURPRISE VALLEY 6-01.00 (Continued)																		
43N/16E-07A03 M		54	7.8	209			14		0	128		2.8						87
7-21-70	5050		7.1	225			0.61			2.10		0.08						0
1115	5050						26											
43N/16E-20B01 M		62	8.3	281	12	1.7	56	0.8	0	173	3.8	3.9	5.1	0.1	0.0		181	37
7-21-70	5050		8.2	295	0.60	0.14	2.44	0.02		2.84	0.08	0.11	0.08					0
1035	5050				19	4	76	1		91	3	3	3					
43N/16E-33M03 M		64	8.0	411	44	11	33	0.7	0	236	9.9	4.2	16		0.0		240	154
7-20-70	5050		7.7	420	2.20	0.88	1.44	0.02		3.87	0.21	0.12	0.26					0
1830	5050				49	19	32	0		87	5	2	6					
45N/16E-17D01 M		59	7.5	277	34	10	10	2.0	0	171	3.8	1.0	1.5		0.0		169	128
7-21-70	5050		7.1	288	1.70	0.86	0.44	0.05		2.80	0.08	0.03	0.02					0
1145	5050				56	28	14	2		95	3	1	1					
45N/16E-19Q01 M		65	---	---														
7-21-70	--		8.0	322														
1300	5050																	
46N/16E-23B01 M		55	7.8	319			19		0	126		18						120
7-21-70	5050		7.8	340			0.83			2.06		0.51						17
1230	5050						26											
MADELINE PLAINS 6-02.00																		
34N/13E-18E01 M		54	8.1	159					0	96		2.1						55
6-09-70	5050		7.9	160						1.57		0.06						0
1215	5050																	
34N/14E-23E01 M		57	---	---														
6-09-70	--		7.5	245														
0830	5050																	
34N/15E-21L01 M		50	---	---														
6-09-70	--		7.3	135														
0900	5050																	
35N/13E-25M01 M		53	---	---														
6-09-70	--		7.1	1090														
1145	5050																	
35N/16E-19F01 M		51	---	---														
6-09-70	--		7.4	340														
0935	5050																	
37N/13E-16A01 M		54	---	---														
6-09-70	--		7.5	445														
1050	5050																	
37N/13E-20Q01 M		52	---	---														
6-09-70	--		7.4	2900														
1030	5050																	
WILLOW CREEK VALLEY 6-03.00																		
31N/12E-13M01 M		48	7.3	1390	105	43	111	52	0	418	60	111	219	0.2	0.0		981	438
6-09-70	5050		7.1	1500	5.24	3.51	4.83	1.33		6.85	1.25	3.13	3.53					95
1330	5050				35	24	32	9		46	9	21	24					
31N/12E-25G01 M		60	---	---														
6-09-70	--		7.4	370														
1400	5050																	
HONEY LAKE VALLEY 6-04.00																		
22N/17E-04K01 M		59	---	---														
6-10-70	--		7.3	400														
1500	5050																	
25N/17E-21N03 M		58	---	---														
6-10-70	--		8.1	285														
1405	5050																	
27N/14E-06C01 M		54	7.6	330					0	152		10	15					141
6-11-70	5050		6.3	340						2.49		0.28	0.24					16
1130	5050																	
27N/14E-26E01 M		56	---	---														
6-11-70	--		6.3	200														
1025	5050																	
28N/13E-09E01 M		55	---	---														
6-11-70	--		6.1	200														
1215	5050																	

TABLE E-1 (Cont.)

MINERAL ANALYSES OF GROUND WATER

State Well Number / Date / Time	Lab / Sampler	Temp.	pH Lab / Field	EC Lab / Field	Mineral Constituents in Milligrams per Liter / Milliequivalents per Liter / Percent Reactance Value: Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter: F	B	SiO_2	TDS SUM	TH NCH
ONEY LAKE VALLEY 6-04.00 (Continued)																		
28N/14E-17B01 M		55	7.5	761	33	36	88	7.5	0	441	24	15	14	0.5	0.0		506	230
6-10-70	5050		7.2	740	1.65	2.95	3.83	0.19		7.23	0.50	0.42	0.22					0
0820	5050				19	34	45	2		86	6	5	3					
28N/16E-08B01 M		208	8.5	1250	5.8	8.6	238	7.0	12	30	278	162	0.0	5.1	3.6		856	50
6-10-70	5050		---	---	0.29	0.71	10.35	0.18	0.40	0.49	5.79	4.57						16
1200	5050				3	6	89	2	4	4	51	41						
28N/17E-18K01 M		61	---	---														
6-10-70	--		8.3	255														
1310	5050																	
29N/12E-15A01 M		54	---	---														
6-08-70	--		6.9	210														
1110	5050																	
29N/13E-01N01 M		58	---	615														19
6-08-70	--		7.8	600														
1200	5050																	
29N/13E-14G01 M		57	---	854								54	27					99
6-08-70	5050		7.1	850								1.52	0.44					
1445	5050																	
29N/14E-04N01 M		59	---	---														
6-08-70	--		7.7	670														
1245	5050																	
29N/14E-17Q01 M		54	8.3	1320	8.0	8.3	295	7.0	0	590	128	48	14	5.8	3.6		905	54
6-08-70	5050		8.2	1350	0.40	0.68	12.83	0.18		9.67	2.66	1.35	0.22					0
1330	5050				3	5	91	1		69	19	10	2					
29N/14E-18R01 M		55	8.4	1110	12	3.4	255	7.5	1	563	77	10	33	5.8	0.9		754	44
6-08-70	5050		8.1	1090	0.60	0.28	11.09	0.19	0.03	9.23	1.60	0.28	0.53					0
1415	5050				5	2	91	2	0	79	14	2	5					
29N/14E-19A02 M		57	8.0	1850	21	12	400	8.0	0	480	397	38	141	2.6	2.6		1340	104
6-08-70	5050		7.6	1900	1.05	1.03	17.40	0.20		7.87	8.26	1.07	2.27					0
1400	5050				5	5	89	1		40	42	6	12					
29N/14E-20B01 M		54	8.1	2160	12	45	444	17	0	828	304	115	36	2.8	4.5		1480	217
6-08-70	5050		7.8	2200	0.60	3.74	19.31	0.43		13.57	6.33	3.24	0.58					0
1340	5050				2	16	80	2		57	27	14	2					
29N/15E-30A03 M		55	---	---														
6-10-70	--		8.0	580														
0930	5050																	
29N/16E-30L01 M		77	8.3	325	1.8	5.2	57	1.0	0	114	26	18	5.2	0.2	0.1		221	26
6-10-70	5050		8.4	290	0.09	0.43	2.48	0.02		1.87	0.54	0.51	0.08					0
1030	5050				3	14	82	1		62	18	17	3					
30N/12E-33N02 M		73	---	---														
6-11-70	--		7.7	---														
1410	5050																	
AHOE VALLEY 6-05.00																		
OUTH TAHOE VALLEY 6-05.01																		
12N/18E-05L01 M			7.7	105	9.0	4.3	6.1	0.8	0	61	1.8	1.9	1.3		0.0		74	40
7-29-70	5050		6.7	105	0.45	0.35	0.27	0.02		1.00	0.04	0.05	0.02					0
0900	5050				41	32	25	2		90	4	4	2					
12N/18E-29L01 M		48	8.0	85	7.6	0.7	7.2	1.1	0	42	3.8	1.8	0.5		0.0		42	22
7-29-70	5050		7.3	75	0.38	0.06	0.31	0.03		0.69	0.08	0.05	0.01					0
0830	5050				49	7	40	4		83	10	6	1					
13N/18E-33R05 M			7.7	120	13	2.8	6.9	1.7	0	69	3.3	2.0	0.7		0.0		66	44
7-29-70	5050		6.8	110	0.65	0.23	0.30	0.04		1.13	0.07	0.06	0.01					0
1000	5050				53	19	25	3		89	5	5	1					

TABLE E-2

TRACE ELEMENT ANALYSES OF GROUND WATER

State Well Number	Date Sampled	Constituents in Milligrams per Liter							
		Arsenic	Cadmium	Copper	Iron	Lead	Manganese	Selenium	Zinc
CENTRAL VALLEY REGION 5-00.00									
SACRAMENTO VALLEY 5-21.00									
SUTTER COUNTY 5-21.05									
11N/04E-13H01M	9-24-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YUBA COUNTY 5-21.06									
15N/05E-07B01M	8-14-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PLACER COUNTY 5-21.07									
13N/05E-24P01M	8-12-70	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00
SACRAMENTO COUNTY 5-21.08									
5N/06E-20J03M	8-05-70	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00
YOLO COUNTY 5-21.09									
9N/02E-10E01M	9-04-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
SAN JOAQUIN VALLEY 5-22.00									
SAN JOAQUIN COUNTY 5-22.01									
1N/06E-13B03M	7-22-70	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00
LAHONTAN REGION 6-00.00									
HONEY LAKE VALLEY 6-04.00									
28N/14E-17B01M	6-10-70	0.00							
28N/16E-08B01M	6-10-70	0.20							
29N/13E-01N01M	6-08-70	0.03							
29N/14E-04N01M	6-08-70	0.02							
29N/14E-17Q01M	6-08-70	2.0							
29N/14E-18R01M	6-08-70	0.24							
29N/14E-19A02M	6-08-70	0.17							
29N/14E-20B01M	6-08-70	0.79							