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The Resources Agency

Department of Water Resources

BULLETIN No. 130-69

HYDROLOGIC DATA: 1969

Volume II: NORTHEASTERN CALIFORNIA

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MAY 1971

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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
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FOREWORD

The data collection programs of the Department of Water Resources have been designed to supplement the activities of other agencies to satisfy specific needs of the State. Bulletin No. 130-69 presents useful, comprehensive, accurate, and timely hydrologic data which 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 to the left.

William R. Gianelli

William R. Gianelli, Director
Department of Water Resources
The Resources Agency
State of California
March 30, 1971

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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ACKNOWLEDGMENTS

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City of Stockton
Colusa County

East Bay Municipal Utility District
Glenn County
Lake County
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
Sutter County
Tehama County
U. S. Army Corps of Engineers
U. S. Bureau of Reclamation

U. S. Geological Survey
U. S. Weather Bureau
Yolo County
Yuba County

State of California
The Resources Agency
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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 1968-69 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; the maximum, minimum, and average daily specific conductance at selected stations; daily water temperatures; 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, 1968, to September 30, 1969. Twenty-two cooperating agencies and 249 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 annually 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.

Sacramento River Basin

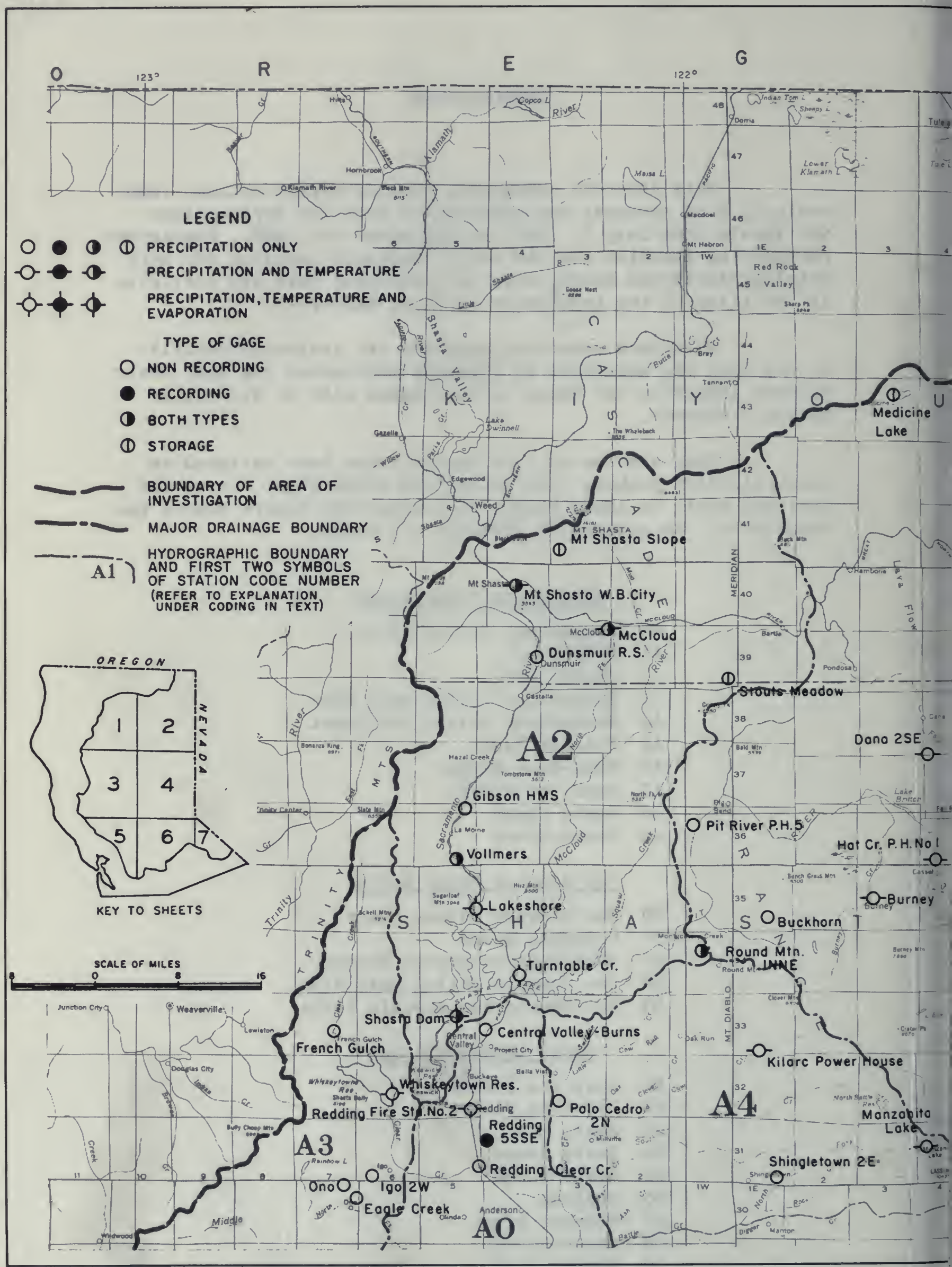
A0 Sacramento Valley Floor
A1 Pit River
A2 Shasta Lake
A3 Sacramento Valley West Side
A4 Sacramento Valley Northeast
A5 Feather River
A6 Yuba-Bear Rivers
A7 American River
A8 Cache Creek
A9 Putah Creek

San Joaquin River Basin

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

North Lahontan Area

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



CLIMATOLOGICAL OBSERVATION STATIONS 1968-69

CLIMATOLOGICAL OBSERVATION STATIONS 1968-69

Sheet 3 FIGURE A-1

CLIMATOLOGICAL OBSERVATION STATIONS 1968-69

CLIMATOLOGICAL OBSERVATION STATIONS 1968-69

CLIMATOLOGICAL OBSERVATION STATIONS 1968-69

CLIMATOLOGICAL OBSERVATION STATIONS 1968-69

CLIMATOLOGICAL OBSERVATION STATIONS 1968-69

TABLE A-1

INDEX OF CLIMATOLOGICAL STATIONS FOR 1968-69

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 FOR 1968-69

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
A0 0039-34	AEROJET	140	SEC 21	T09N	R07E	B	M	38 37 26	121 12 48	000		1962	1969		34
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			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
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			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 WB 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 1147	BUCK CREEK RANGER STATION	5195	SEC 07	T46N	R15E		M	41 52 24	120 17 30	905		1944	1968	14	25
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
A5 1162	BUCKS STORAGE RESERVOIR	5200	SEC 33	T24N	R07E	F	M	39 53 40	121 12 12	003		1930	1968		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			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			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	000		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			62

TABLE A-1 (Cont.)

INDEX OF CLIMATOLOGICAL STATIONS FOR 1968-69

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 1616	CEDARVILLE TREE FARM	2625	SEC 03	T08N	R12E	N	M	38 34 08	120 38 46	000		1960			09
A4 1624	CENTERVILLE POWERHOUSE	522	SEC 05	T22N	R03E		M	39 47 00	121 40 00	900		1914			04
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			29
A4 2335	DEER CREEK FLAT	1910	SEC 14	T25N	R01E	J	M	40 01 16	121 49 34	419	PN2335	1960			52
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 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			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			29
B1 2518	DRYTOWN VAIRA RANCH	740	SEC 22	T07N	R10E	K	M	38 26 46	120 51 33	000		1954			03

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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 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	T10N	R10W	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
A7 2721	EL DORADO POWERHOUSE	1920	SEC 22	T11N	R12E	A	M	38 47 38	120 37 07	003		1936	1969		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 3030	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			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			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
A0 3740	HAMMONTON	131	SEC 32	T16N	R05E	R	M	39 11 35	121 25 41	000		1910	1968		58
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			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	000	003954	1960			02
A8 3964	HIGH VALLEY MITCHELL	1785	SEC 23	T14N	R08W	J	M	39 02 47	122 42 28	000		1958			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

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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
B9 4041	HOLT 2 ESE			T01N	R05E		M	37 55 42	121 23 30	000		1959			39
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 LAKE	7000	SEC 34	T19N	R15E		M	39 27	120 18	900		1966			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 ORCHÅRD	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			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
B8 5074	LONE TREE CANYON	330	SEC 35	T03S	R05E	E	M	37 37 54	121 23 47	900		1933	1969		39
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			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

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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 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
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
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			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			28
A8 5858-01	MORGAN VALLEY STALLEY	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					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	R20E		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

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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
A5 6527	OROVILLE DAM	845	SEC 01	T19N	R04E	N	M	39 31 40	121 28 46	000		1959			04
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
A1 6952-02	PITTVILLE 3 SE	3500	SEC 29	T37N	R06E	B	M	41 01 00	121 18 00	000		1958	1969		18
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			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			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			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			31
A0 7568-02	ROSEWOOD CAPEHART	650	SEC 14	T28N	R06W	K	M	40 16 48	122 30 30	419		1960			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

TABLE A-1 (Cont.)

INDEX OF CLIMATOLOGICAL STATIONS FOR 1968-69

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 7633-53	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
A0 7633-56	SACRAMENTO 6 S	14	SEC 02	T07N	R04E	H	M	38 29 30	121 30 09	000		1963			34
A0 7633-57	SACRAMENTO 5 SSE	25	SEC 29	T08N	R05E	L	M	38 30 52	121 27 20	000		1965	1969		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
B9 8902-39	THORNTON 3 SSE	10	SEC 23	T04N	R05E	L	M	38 10 54	121 24 00	806		1961	1968		39
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	TOPAZ LAKE	5044	SEC 27	T10N	R22E	K	M	38 40 55	119 32 52	000		1955	1968	04	26
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

TABLE A-1 (Cont.)

INDEX OF CLIMATOLOGICAL STATIONS FOR 1968-69

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
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			45
A0 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
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 9528	WERNER RANCH	1190	SEC 21	T12N	R08E	D	M	38 53	121 06	000		1934	1969		31
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			34
B2 9583	WEST POINT 3 SW	2365	SEC 17	T06N	R13E	C	M	38 22 46	120 34 13	900		1949	1969		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
C8 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	120 13	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	1968						1969									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																	
AEROJET	33.16	0	0.20	0	0.77	3.96	3.98	14.26	4.55	2.71	1.88	0.10	0.75	0	RE		-
ARBUCKLE 5 SSW	25.55	0	0	0	0	3.25	5.84	6.93	7.46	1.17	0.90	0	0	0	0	0	25.55
ARDEN AND MISSION	26.91	0.01	0.18	0	0.61	3.04	3.17	9.71	6.99	1.07	1.78	0.04	0.31	0	0	0	26.72
ARDEN PARK BAILEY	30.72	0.01	0.18	T	0.74	3.27	3.61	10.85	8.39	1.39	1.96	0.01	0.31	0.01	0	0.03	30.57
BEALE AIR FORCE BASE	30.92	T	0.42	0.03	1.37	5.09	4.25	9.51	7.51	1.02	1.44	0	0.28	0.09	0	T	30.56
BLACK BUTTE RANCH	26.80	0	1.24	0	0.63	2.77	5.24	5.32	7.88	2.18	0.82	0	0.72	0	0	0	25.56
BROWNS VALLEY 2 NE	39.33	T	0.26	0.01	1.80	5.57	4.35	14.11	8.94	1.36	2.43	0.02	0.48	0	0	0	39.06
CENTRAL VALLEY BURNS	73.23	0	3.54	0.11	2.67	5.19	17.61	20.92	15.27	3.39	4.19	0.03	0.31	0	0	0.28	69.86
CHICO EXPERIMENTAL STN	37.85	T	0.50	0.03	2.46	3.48	7.12	10.53	8.59	1.77	2.62	0	0.75	0.05	0	0	37.37
CHICO AIRPORT	-	0	0.22	0.02	1.60	2.69	-	-	10.01	1.49	2.16	0	0.71	0.08	0	0	-
CIRCLE T RANCH	31.27	0	0.13	0	0.70	3.29	6.23	10.44	7.78	0.89	1.81	0	0	0	0	0	31.14
CITRUS HEIGHTS	32.93	T	0.22	T	1.03	3.88	3.80	11.73	8.07	1.50	2.45	0.09	0.16	T	0	T	32.71
CITRUS HEIGHTS FIRE STN	33.83	T	0.20	0	0.90	4.07	3.77	12.84	7.88	2.06	1.87	0	0.24	0	0	0.01	33.64
CLARKS VALLEY MUDD	24.31	T	1.02	0	0.26	2.60	5.68	4.44	8.00	1.44	0.35	0	0.52	0	0	T	23.29
COLEMAN FISH HATCHERY	36.95	T	2.27	0.01	0.74	3.39	8.69	9.81	7.72	2.54	1.49	0	0.29	0.63	0	0	35.30
COLUSA 1 SSW	22.48	0	0.46	0	0.56	2.93	3.94	5.60	6.21	1.91	0.66	0	0.21	0.03	0	0	22.05
COON CREEK EXPT PLOT	38.98	0	0.46	0.08	1.70	5.47	4.03	12.46	9.36	2.83	2.59	0	0	0	0	0	38.44
CORNING UHL	32.00	T	3.47	T	0.95	3.12	6.58	6.38	7.99	2.11	0.92	0	0.48	T	0	0	28.53
CORNING HOUGHTON RANCH	28.90	0	1.22	0	0.59	2.65	5.64	6.43	9.09	2.08	0.81	0	0.39	0	0	0	27.68
COTTONWOOD 7 W	39.39	0	1.83	0.04	1.28	3.41	10.17	8.18	9.57	2.05	2.59	0	0.27	0	0	0	37.52
COUNTRY CLUB CENTRE	27.13	T	0.15	T	0.72	3.01	3.40	9.55	6.79	1.46	1.63	T	0.42	0.05	0	0.03	27.06
DAN BEST RANCH	22.41	0	0.26	0.03	0.57	2.78	3.33	6.89	5.93	1.25	1.28	0	0.09	0	0	0	22.12
DANTONI ORCHARD	28.35	0	0.20	0.03	1.26	3.96	3.46	9.28	6.30	1.87	1.72	0	0.27	0	0	0	28.12
DAVIS 2 WSW	24.67	T	0.18	T	0.54	2.43	3.28	9.60	6.11	1.46	0.93	0.01	0.13	0	0	0.05	24.54
DAVIS STATE NURSERY	23.79	0	0.06	0	0.57	2.48	2.97	9.06	6.20	1.38	1.00	0.07	0	0	0	0	23.73
DEL PASO PARK	28.08	0	0.13	0	0.85	3.14	3.71	10.21	6.31	1.84	1.58	0.03	0.28	T	0	0.02	27.97
DEWEY AND WINDING WAY	36.89	0	0.20	0	0.75	3.85	4.42	14.24	9.18	1.14	2.71	0	0.40	0	0	0	36.69
DIXON 6 E	23.62	0	0.06	0	0.83	2.48	2.61	8.07	6.40	1.95	1.22	0	0	0	0	0	23.56
DUFOUR	21.07	0	0.07	0.04	0.44	2.60	3.17	6.62	5.78	1.00	1.23	0.10	0.02	0	0	0	20.96
DUNNIGAN	-	0	0	0	-	-	-	-	-	-	1.15	0	0	0	0	0	-
DUNNIGAN POWERS RANCH	22.95	0	0.13	0	0.56	2.58	4.05	6.88	6.48	1.03	1.13	0.04	0.07	0	0	0	22.82
DURHAM FIRE STATION	35.36	0	0.36	0	1.04	3.18	6.78	10.62	9.20	1.52	2.17	T	0.49	0.01	0	0	35.01
ELKHORN FERRY	24.08	T	0.07	T	0.75	2.97	3.05	8.41	6.26	1.55	0.98	0.04	T	T	0	0.02	24.03
ESPARTO DESERET FARMS	25.77	0	0.21	0	0.65	2.98	5.00	7.59	6.83	1.50	0.99	0	0.02	0	0	0.01	25.57
FAIR OAKS	33.83	0	0.18	0	0.67	3.37	3.87	12.38	8.49	2.16	2.15	0.06	0.50	0	0	0.01	33.66
FRUITRIDGE AND HEDGE	28.29	0	0.10	0	0.50	2.95	3.05	10.01	7.74	1.26	2.09	0.19	0.40	0.03	0	0	28.22
FRUTO 2	25.38	0	1.18	0	0.24	1.17	6.13	5.59	8.48	1.62	0.48	0	0.49	0	0	0	24.20
GLENN COLUSA HEADGATE	29.49	0.04	0.60	0.03	1.94	3.28	6.32	7.61	6.64	1.98	0.93	0	0.12	0	0	0	28.82
GRIDLEY BUTTE WATER DIST	30.24	T	0.42	0.05	1.34	3.93	4.47	9.29	6.82	1.81	1.89	T	0.22	T	0	0	29.77
HAMILTON RANCH	24.20	0	0.22	0	0.07	3.43	3.11	8.10	6.93	0.92	1.32	0	0.10	0	0	0	23.98
HAMMONTON	-	T	0.19	T	0.83	3.78	RE										
HONCUT	31.87	0	0.40	0.90	1.65	4.21	4.20	9.75	6.41	1.88	2.21	0	0.26	T	0	0	30.57
HUNTER DISTRICT GRAVES	35.94	0	1.72	0	0.44	2.12	10.42	7.53	10.73	1.77	0.93	0	0.28	T	0	0	34.22
JELLY	38.30	T	1.84	0	1.52	2.77	8.58	10.40	9.67	1.75	1.42	0.01	0.34	0	0	0	36.46
JOHNS SCHOOL	24.93	0	0.10	0.04	0.62	3.20	4.45	7.72	6.34	1.39	1.05	T	0.02	T	0	0	24.79
KAHI RADIO	50.32	0	0.76	0	2.66	6.43	5.72	17.54	11.03	2.28	3.68	0.04	0.18	0	0	0	49.56
KARNAK	23.35	0	0.08	T	0.97	2.94	2.89	7.90	6.29	1.22	1.06	0	T	0	T	0.95	24.22
KIRKVILLE	22.13	0	0.02	0.05	0.88	2.73	3.30	6.67	5.73	1.24	1.21	0	0.30	0	0	0	22.06
KPOP RADIO	-	0	0.22	T	1.22	3.61	4.01	13.64	9.14	2.17	1.99	0	-	0	0	0	-
LA FINCA ORCHARD	29.93	T	0.34	0.19	1.57	3.83	4.26	9.33	6.17	1.90	1.96	T	0.38	T	0	0	29.40
LAKE SOLANO	29.94	0	0.04	0	0.62	3.07	5.92	9.91	7.47	1.73	1.18	0	0	0	0	0	29.90
LAMB VALLEY	29.21	0	0.28	0	0.48	2.98	6.32	8.52	8.10	1.17	1.23	0.03	0.10	0	0	0.02	28.95
LINCOLN AUSTIN	36.21	0	0.37	0	1.66	4.70	3.68	11.17	10.62	1.44	2.22	0.03	0.32	0.02	0	0	35.86
LINCOLN 4 NE	34.89	0	0.32	0.02	1.50	4.62	3.32	10.44	9.55	2.90	2.13	0	0.09	T	0	0	34.55
LIVE OAK	30.11	0	0.27	0.14	1.33	3.83	4.07	9.92	6.47	1.57	2.30	0.01	0.20	0	0	0	29.70
LIVE OAK 6 SSW	26.48	0	0.22	0.11	1.27	2.69	3.72	8.48	6.42	1.57	1.58	0.04	0.38	0.05	0	0	26.20
LIVE OAK 2 SE	29.49	0	0.25	0.08	1.62	3.55	4.23	9.11	5.96	2.05	2.34	T	0.30	0.10	0	0	29.26
LOMA RICA	35.94	T	0.20	0.04	1.80	4.95	4.22	12.64	7.97	1.68	2.06	0	0.38	0.01	T	0	35.71
LOOMIS	39.00	T	0.33	T	1.26	5.10	4.27	13.59	8.56	2.63	3.01	0.04	0.21	T	T	T	38.67
LOOMIS NO. 2	36.33	0	0.36	0	1.25	4.85	3.90	12.29	7.84	2.61	2.97	0.02	0.24	0	0	0	35.97
LOOMIS 3 ENE	42.54	T	0.48	0	1.73	5.50	4.37	15.03	9.12	2.51	3.17	0.03	0.60	0	0	T	42.06
LOS MOLINOS 3 N	39.80	T	2.68	0	1.18	3.38	9.31	10.65	8.98	1.74	1.31	0	0.57	0.01	0	T	37.13
LOS MOLINOS 6 N	34.63	T	1.82	0.02	1.05	3.40	8.88	8.90	7.45	1.54	1.23	0	0.34	T	0	T	32.79
M & T RANCH	32.82	0	0.48	0	1.97	3.54	6.86	9.21	6.47	2.06	1.74	0	0.49	0	0	0	32.34
MANZANITA FIRE STATION	31.33	0	0.52	0.13	1.13	3.60	5.10	9.53	7.39	1.83	1.93	T	0.17	0.05	0	0	30.73
MARYSVILLE	29.30	0	0.23	0.02	1.54	3.72	3.89	9.42	6.69	1.79	1.65	0	0.35	0.02	0	0	29.07
MATHER AIR FORCE BASE	31.53	T	0.14	T	0.60	3.56	3.70	11.64	8.33	1.18	1.56	0.02	0.80	0.06	0	T	31.45
MAXWELL	23.81	0	0.73	0	1.28	2.72	4.81	5.02	6.24	1.86	0.67	0	0.48	0	0	0	23.08
MCCLELLAN AIR FORCE BASE	26.30	0	0.17	T	0.74	3.24	3.41	9.12	6.94	1.17	1.27	0.02	0.22	T	0	0.01	26.14
MILLS ORCHARD	20.23	0.03	0.59	0.04	1.27	3.80	6.31	3.50	3.87	0.44	0.26	0.12	T	T	0.05	T	19.62
NATOMAS FIRE STATION 2	20.10	0	0.07	0	0.55	2.60	2.20	7.27	5.44	0.86	1.04	0.07	0	0	0	0	20.03
NELSON WESTERN CAMP	26.70	T	0.49	T	2.84	2.40	5.54	5.16	6.74	1.71	1.37	T	0.45	0	0	0	26.21
NEWCASTLE FOWLER	36.94	0	0.41	0	1.63	5.01	3.72	12.18	8.72	2.57	2.62	0	0.08	0	0	0	36.53
NEW ENGLAND ORCHARD	28.70	T	0.15	0	1.39	3.84	3.74	9.34	6.43	1.93	1.56	0	0.32	0	0	0	28.55
NICOLAUS NO. 2	29.19	0	0.25	0.04	1.01	4.08	5.14	8.90	6.06	1.94	1.76	0.01	T	T	0	T	28.90
NORD	32.87	T	0.67	0.01	0.90	3.85	6.55	9.23	6.69	1.76	2.61	0	0.60	0	0	0	32.19
NORTH SACRAMENTO	26.13	0	0	0	0.83	2.88	3.33	9.22	6.39	1.81	1.16	0.06	0.45	0	0	0.03	26.16
ORANGEVALE	35.13	0	0.23	0	0.83	4.18	3.92	12.96	9.30	1.40	2.05	0.02	0.24	0	0	0	34.90
ORLAND FRENCH RANCH	22.79	0	0.68	0	0.34	2.85	4.71	4.21	7.42	1.53	0.60	0	0.45	0	0	0	22.11
ORLAND	29.56	0	1.89	0.02	1.05	3.24	5.27	6.65	8.07	1.90	1.11	0	0.36	0	0	0	27.65

TABLE A-2 (Cont.)
PRECIPITATION DATA

Precipitation in Inches

Station Name	Total July 1 to June 30	1968						1969									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	37.26	0.02	0.26	T	3.42	4.47	5.73	10.81	7.49	1.97	2.78	T	0.31	T	0	0	36.98
OROVILLE BRIDGE	37.34	0	0.25	T	3.37	4.43	5.61	10.92	7.60	2.01	2.85	T	0.30	T	0	0	37.09
OROVILLE RANGER STATION	36.70	0	0.20	0	3.40	4.40	5.40	10.80	8.00	1.30	2.80	0	0.40	0	0	0	36.50
PALERMO		T	0.45	0.05	2.21	4.49	4.69	10.88	6.38	2.19	2.77	0	0.72	0	0	0	34.83
PASKENTA RANGER STATION	34.32	0	0.86	0	0.62	2.61	8.34	8.50	9.43	2.17	1.38	0	0.41	0	0	0	33.46
PHELAN PARROTT RANCH	29.29	0	0.49	0	1.33	3.46	6.01	8.61	5.81	1.90	1.68	0	0	0	0	0	28.80
PHOENIX FIELD	28.73	0	0.20	0	0.51	3.34	3.09	11.25	7.44	0.86	1.66	0.03	0.35	0	0	0	28.53
PLAINFIELD 1 E	26.83	0	0	T	0.53	2.86	4.17	9.39	6.76	1.66	1.31	0	0.15	0	0	T	26.83
PLAINFIELD 2 NNW	26.12	0	0.08	0	0.76	3.80	4.13	8.71	5.66	1.58	1.40	0	0	-	-	-	-
PLAINFIELD 1 NNW	22.96	0	0.02	0.03	0.39	2.59	3.30	8.25	5.45	1.35	1.38	0.02	0.18	0	0	T	22.91
RANCHO CORDOVA	28.57	0	0.11	0	0.57	3.38	2.89	9.93	7.88	1.17	2.06	0.03	0.55	T	0	0.03	28.49
RANCHO CORDOVA FIRE STN	28.44	0	0.11	0	0.48	2.98	3.16	10.73	7.47	1.12	1.84	0	0.55	0	0	0	28.33
RED BLUFF OWENS RANCH	32.30	0	1.52	0	0.72	1.95	6.99	8.05	10.70	1.62	0.75	0	0	0	0	0	30.78
RED BLUFF 8 S	33.43	T	2.25	0.02	1.07	2.82	7.97	7.30	9.30	1.75	0.95	0	T	0.02	0	0	31.18
RED BLUFF WB AIRPORT	30.44	T	1.18	0.01	1.31	2.36	7.17	7.02	8.63	1.39	1.04	0	0.33	0.05	0	0	29.30
REDDING 5 SSE	41.96	0.02	1.80	0.03	2.47	3.70	10.32	10.22	9.98	1.01	1.84	0	0.57	0	0	0.12	40.23
REDDING FIRE STN NO. 2	54.37	0	1.78	0.05	3.11	5.05	13.72	12.72	12.82	2.01	2.64	0.03	0.44	0	0	0.28	52.82
REDDING CLEAR CREEK	52.48	0.02	1.80	0.05	3.95	5.46	12.89	11.51	11.27	2.35	2.38	0	0.80	T	0	0.20	50.81
RICE EXPERIMENT STATION	28.58	0	0.57	1.40	2.38	3.27	2.12	8.95	5.47	2.25	1.92	0	0.25	0	0	0	26.61
RICHVALE	32.37	0	0.50	0.02	2.38	3.35	4.73	10.10	7.02	2.09	1.85	0.02	0.31	0.02	0	T	31.87
RIO VISTA 1 NW	25.06	0	2.88	0	0.37	2.40	3.03	8.11	6.70	1.00	0.50	0.07	0	0	0	0	22.18
RIO VISTA 5 W	22.38	0	0	0	0.30	2.38	3.10	8.25	5.70	1.30	1.25	0.10	0	0	0	0	22.38
ROBBINS	22.72	0	0.03	0.08	0.74	2.87	3.23	7.08	6.25	1.10	1.34	0	0	0	0	0	22.61
ROCKLIN	34.19	0	0.28	0	0.96	4.90	3.78	12.18	7.41	2.04	2.38	T	0.26	T	0	T	33.91
ROSEWOOD CAPEHART	29.01	0	1.42	0	0.45	2.77	5.48	6.69	9.33	1.37	1.28	0	0.22	0	0	0	27.59
ROSEVILLE 6 W	-	-	-	-	-	3.73	3.84	11.40	7.27	1.92	1.32	0	0				
SACRAMENTO WB AIRPORT	24.05	T	0.02	0	0.60	2.49	2.77	8.50	6.98	0.94	1.63	0.04	0.08	T	0	0.02	24.05
SACRAMENTO WB CITY	25.66	0	0.08	0	0.68	2.74	3.10	8.90	7.61	1.13	1.32	0.09	0.01	0	0	0.03	25.61
SACRAMENTO HUFFMAN	-	T	0.05	0	0.66	2.93	3.38	9.74	-	-	1.64	0.05	0.07	0	0	0.03	-
SACRAMENTO 3 SSW	27.95	0	0.08	0	0.69	2.97	3.37	9.07	7.41	2.69	1.55	0.06	0.06	0.02	0	0.02	27.91
SACRAMENTO 6 S	26.14	0	0.02	0	0.58	2.70	3.10	9.31	6.59	1.98	1.80	0.03	0.03	0	0	0	26.12
SACRAMENTO 5 SSE	24.07	0	0.02	0	0.66	2.60	3.06	7.99	6.16	1.89	1.51	0.06	0.12	RE			-
SACRAMENTO REFUGE	25.32	T	1.40	0	0.89	3.27	4.64	5.56	5.95	2.42	0.74	T	0.45	0	0	0	23.92
SMARTSVILLE	35.83	T	0.34	0.04	2.00	2.59	4.44	13.20	8.44	1.71	2.62	T	0.45	0	0	T	35.45
STONE VALLEY	26.83	0	1.08	0	0.34	2.36	6.99	5.14	8.32	1.61	0.65	0	0.34	0	0	0	25.75
SUTTER CITY	-	0	0	0	0.79	2.87	3.42	7.37	4.55	1.93	-	0	0	0	0	0	-
SUTTER RANCH	29.26	0	0.11	0.04	1.53	3.88	3.54	9.54	6.90	1.93	1.56	0	0.23	0	0	0	29.11
THERMALITO AFTERBAY	34.97	0	0.47	0	2.39	4.16	5.47	9.64	7.75	1.99	2.86	0	0.24	0	0	0	34.50
TISDALE WEIR	25.47	0	0.10	0.08	0.96	3.23	3.79	8.13	6.31	1.36	1.48	0	0.03	0	0	0	25.29
TISDALE BYPASS	23.06	0	0.04	0.02	1.11	3.01	3.41	7.77	4.69	1.83	1.14	0	0.04	0	0	0	23.00
TOWN & COUNTRY MITCHELL	28.03	0	0.10	0	0.71	2.92	3.51	10.04	7.47	1.26	1.58	0	0.44	0.04	0	0.03	28.00
VACAVILLE	30.68	0	0.15	0	0.87	3.35	4.49	12.26	7.34	0.98	1.22	T	0.02	0	0	0	30.53
VERONA	21.67	0	0.34	0.02	0.78	2.63	2.65	7.45	5.16	1.72	0.90	0.02	T	0.02	0	T	21.33
VINA 1 NE	33.86	0	1.66	0	1.15	3.40	7.39	9.49	7.63	1.43	1.15	0	0.56	0	0	0	32.20
VINA MONASTERY	35.57	T	1.97	0	1.31	3.66	8.21	9.28	7.46	1.85	1.19	0	0.64	0	0	0	33.60
WERNER RANCH	-	T	0.68	0.01	2.53	5.81	4.77	14.83	RE								
WEST ACRES	25.94	0	0.07	0	0.75	2.77	3.09	8.97	7.23	1.70	1.28	0.08	T	0.02	0	T	25.89
WEST CARMICHAEL	29.80	T	0.13	0	0.77	2.77	3.67	11.08	7.70	1.44	1.96	0.03	0.25	0.02	0	0.03	29.72
WHEATLAND 2 NE	29.96	0	0.36	0.05	1.55	4.28	3.39	9.89	7.59	1.08	1.57	0	0.20	0	0	0	29.55
WHEATLAND CALPAK	30.73	0	0.41	0.03	1.29	4.42	3.71	9.65	7.68	1.49	1.52	0	0.53	0	0	0	30.29
WILLIAMS	19.92	0	0.80	0	0.49	2.59	4.48	3.33	5.74	1.79	0.31	0	0.39	0	0	0	19.12
WILLOWS	23.25	T	0.95	0	1.19	2.93	4.55	4.88	6.22	1.65	0.59	0	0.29	0	0	0	22.30
WILLOWS USBR	23.37	0.01	0.93	0	1.21	2.90	4.48	4.89	6.31	1.54	0.59	0	0.51	0	0	0	22.43
WINTERS	29.44	0	0.12	T	0.60	3.15	5.73	9.31	7.70	1.46	1.33	T	0.04	0	0	T	29.32
WINTERS UDELL RANCH	30.30	T	0.13	0	0.64	2.86	5.54	9.88	7.86	1.67	1.68	T	0.04	0	0	T	30.17
WINTERS 3 NE	26.45	0	0.12	0	0.51	2.78	4.61	8.98	6.69	1.38	1.24	0	0.14	0	0	0.05	26.38
WINTERS 4 N	25.35	0	0.15	0	0.77	2.98	4.68	7.64	6.83	1.33	0.97	0	0	0	0	0	25.20
WINTERS LEWIS RANCH	23.85	0	0.21	0	0.41	2.56	3.80	8.45	5.83	0.91	1.52	0	0.16	0	0	0.08	23.72
WINTERS WOLFSKILL RANCH	28.56	T	0.14	0	0.61	3.15	5.47	9.17	7.10	1.53	1.38	0	0.01	0	0	T	28.42
WOODLAND 1 WNW	26.61	0	0.06	T	0.60	3.25	3.56	7.83	7.58	2.18	1.43	0.05	0.07	0.01	0	T	26.56
WOODLAND HOLLAND RANCH	20.42	0	0.03	T	0.65	2.07	3.20	6.01	6.43	0.75	0.85	0.03	0.40	T	0	0	20.39
WOODLAND 3 W	25.04	0	0.07	0.02	0.55	2.95	3.66	8.17	6.35	1.59	1.43	0.05	0.20	0	0	0.01	24.96
YOLO 2 NE	22.41	0	0.17	0.03	0.67	2.84	3.44	6.92	5.97	1.02	1.33	T	0.02	0.01	0	T	22.22
YOLO 3 NNE	23.88	0	0.18	0	0.51	2.95	3.53	7.60	6.71	0.88	1.52	0	0	0	0	0	23.70
YOLO 3 N	22.36	0	0.03	0	0.40	2.92	3.42	6.90	5.97	1.48	1.24	0	T	0	0	0	22.33
YUBA CITY	27.17	0	0.21	0.03	1.42	3.63	3.58	8.38	6.25	1.77	1.60	T	0.30	0.03	0	0	26.96
YUBA CITY 4 S	27.10	0	0.16	0.06	1.50	3.22	3.70	8.73	6.13	2.00	1.44	0	0.16	T	0	0	26.88
PIT RIVER A1																	
ADIN RANGER STATION	23.80	T	1.94	0.04	1.22	2.66	3.83	7.98	1.51	0.72	1.73	0.44	1.73	0.13	0	T	21.95
ALTURAS COPCO	14.25	T	2.10	T	0.58	2.18	0.75	3.48	0.91	0.40	0.94	0.13	2.78	0.05	T	T	12.20
ALTURAS INSPECTION STN	14.38	0.04	2.16	0	0.59	2.67	0.72	3.48	0.72	0.23	0.87	0.31	2.59	0	0	T	12.18
ALTURAS 7 ESE	15.86	0	3.04	T	0.85	2.76	0.85	3.51	0.97	0.31	1.22	0.22	2.13	0.12	0	0	12.94
ALTURAS RANGER STATION	15.99	0	1.97	0	0.42	2.17	0.98	4.24	0.93	0.53	1.11	0.29	3.35	0.09	0	T	14.11
BIEBER	-	0	1.91	0.15	0.81	1.89	2.58	4.84	-	0.36	0.90	0.16	1.08	0.25	0	0	-
BIEBER BABCOCK RANCH	19.80	0	2.37	0	1.30	5.32	2.05	5.32	0.80	0.37	1.46	0.71	0.10	0.33	0	0	17.76
BIEBER 4 NW	22.74	0.02	2.32	0.22	1.22	2.79	3.33	6.80	2.00	0.45	1.69	0.32	1.58	0.22	0	0	20.40
BUCK CREEK RANGER STN	-	0	3.09	0	0.50	0.66	RE										
BUCKHORN	94.65	T	5.87	0.75	7.91	9.34	18.62	23.88	19.69	2.92	5.51	T	0.16	T	0	0.36	88.39

TABLE A-2 (Cont.)
PRECIPITATION DATA

Precipitation in Inches

Station Name	Total July 1 to June 30	1968						1969									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																	
BURNEY	40.01	0	1.54	0.20	2.61	3.24	9.14	12.23	5.97	1.09	2.40	0.18	1.41	0.06	0	0.23	38.56
CANBY 11 SW	-	-	-	-	-	-	3.53	8.06	1.94	0.45	1.40	0.11	2.69	T	0	0.20	-
CANBY RANGER STATION	16.98	0	2.05	0.08	0.94	2.48	1.80	5.14	0.99	0.47	0.98	0.14	1.91	0.19	0.02	0.05	15.11
COVE RANCH	21.13	0.31	4.02	0	1.37	3.22	2.22	5.84	0.71	0.56	0.46	0.15	2.27	0	0	0	16.80
DANA 2 SE	36.22	T	1.76	0.16	2.62	2.59	7.05	10.78	6.07	0.55	2.71	0.29	1.64	0.03	0	0.25	34.58
DAVIS CREEK	22.16	0	2.54	0.04	1.09	4.08	2.03	4.90	1.91	0.53	1.81	0.84	2.39	0.07	0.01	0.02	19.68
DAY	29.59	0	1.66	0.10	1.17	2.69	5.59	9.79	4.60	0.83	1.89	0.12	1.15	0.17	0	0.16	28.16
FALL RIVER MILLS INTAKE	22.31	0	1.18	0.07	0.83	1.93	4.72	6.54	2.55	0.50	1.27	1.08	1.64	0.06	0	0	21.12
HAT CREEK RANGER STATION	29.93	0	1.37	0.07	1.48	2.78	6.79	9.56	3.63	0.79	1.65	0.08	1.73	0.92	0	0.46	29.87
HAT CREEK POWERHSE NO. 1	24.79	0	1.22	0.13	1.08	2.26	5.79	6.72	3.49	0.73	1.15	0.15	2.07	0.15	0	0.04	23.63
JESS VALLEY	21.90	0.80	3.45	T	0.69	3.71	2.00	4.01	0.81	1.61	1.98	0.40	2.44	0.16	T	0.05	17.86
LIKELY VANCE	13.51	0	2.23	0	0.34	2.00	0.95	3.30	0.57	0.26	1.12	0.14	2.60	0.14	0	0.03	11.45
LITTLE VALLEY	24.37	0	3.03	0	0.74	2.52	3.66	7.42	1.59	0.67	1.04	0.65	3.05	0.42	0	0	21.76
LOOKOUT 3 WSW	25.60	0	2.13	0.24	1.42	2.86	4.10	8.63	2.74	0.47	1.55	0.13	1.33	0.21	0	0.01	23.45
LOOKOUT SHAW	23.65	T	1.99	0.14	1.15	2.49	4.16	7.42	2.21	0.75	1.65	0.25	1.44	0.07	0	0.04	21.63
NEW PINE CREEK, OREGON	23.95	0	3.46	0.05	1.07	3.55	2.58	5.94	1.75	0.68	1.49	0.63	2.75	T	0	0.15	20.59
OLD STATION	28.22	0.03	2.33	0.12	1.31	3.35	5.12	9.11	2.51	0.65	1.59	0.36	1.74	0.82	0	0.07	26.63
PIT RIVER POWERHSE NO. 5	89.26	T	2.10	0.38	7.92	5.32	19.64	24.69	19.15	3.00	5.79	0.28	0.99	0.02	0	0.48	87.28
PITTVILLE 3 SE	-	0	1.55	0.04	0.72	1.90	3.14	-	-	0.47	1.08	0.45	RE				
WILLOW RANCH	11.70	0	0.89	0.34	0.67	0.66	0.89	3.16	0.62	0.26	0.85	0.65	2.71	0.20	0.04	0.55	11.26
SHASTA LAKE A2																	
DUNSMUIR RANGER STATION	67.16	0	1.61	0.22	5.90	5.46	17.06	16.70	14.29	2.17	2.17	0.98	0.60	T	0	0.19	65.52
GIBSON HWY MAINT STATION	67.18	T	3.17	T	4.00	4.92	15.15	11.63	19.27	2.43	4.97	0.90	0.74	0	0	0.14	64.15
LAKESHORE	81.99	0	2.70	0.21	5.40	5.76	19.28	21.34	20.72	0.93	4.61	0.51	0.53	0.08	0	0.14	79.30
MCCLOUD	63.26	T	1.56	0.17	4.72	5.00	13.48	16.34	14.17	1.78	3.79	1.27	0.98	T	0	0.12	61.65
MT. SHASTA WB CITY	43.15	0.02	0.78	0.15	1.83	2.75	11.85	9.78	10.09	0.82	3.28	1.03	0.77	0.03	0	0.13	42.36
ROUND MOUNTAIN 1 NNE	80.91	0	4.58	0.20	7.45	6.37	14.75	20.87	16.72	3.06	6.09	0.02	0.80	0	0	0.76	76.89
SHASTA DAM	80.76	0	2.64	0.11	4.18	5.36	16.40	24.18	18.56	3.92	4.70	0.04	0.67	0	0	0.06	78.07
TURNTABLE CREEK	78.53	0	4.36	0.14	3.52	5.07	14.34	22.82	18.98	3.35	5.69	0.02	0.24	T	0	0.26	74.29
VOLLMERS	78.99	0	2.49	0.15	4.27	5.77	18.64	16.06	20.46	3.97	4.49	0.95	1.74	0	0	0.13	76.48
SACRAMENTO VALLEY WEST SIDE A3																	
BLACK BUTTE DAM	26.76	0	1.38	0	0.52	2.46	5.63	5.26	7.97	2.27	0.87	0	0.40	0	0	0	25.38
EAGLE CREEK	44.32	0.15	1.39	0.03	1.05	5.15	9.56	11.16	12.10	1.91	1.50	0	0.32	0.05	0	T	42.80
EAST PARK RESERVOIR	27.20	0	0.97	0	0.43	2.65	6.64	5.55	7.45	2.54	0.57	0	0.40	0	0	0	26.23
FLOOD RANCH	28.76	0	0.82	0	0.44	2.47	6.28	7.01	8.65	1.84	0.99	0	0.26	0	0	0	27.94
FLOURNOY 8 NW	36.54	T	0.40	0	0.53	3.20	8.11	10.13	9.82	2.65	1.40	0	0.30	0	0	T	36.14
FOUTS SPRING BOYS RANCH	44.17	0	1.23	0	0.75	5.22	10.67	12.21	9.50	2.77	1.03	0.10	0.69	0.09	0	0	43.03
FRENCH GULCH	50.58	0	1.54	0.28	1.35	4.32	13.76	9.29	13.86	1.93	2.11	0.36	1.78	0	0	0.03	48.79
HARRISON GULCH RANGER STN	47.26	0.02	1.97	0.13	1.10	5.88	12.90	9.40	9.84	3.50	1.17	0.08	1.27	T	0	0.11	45.25
IGO 2 W	52.89	0.10	1.50	0.06	1.67	4.98	12.76	13.13	13.59	2.21	2.55	0	0.34	0	0	0.02	51.25
MONTGOMERY PLACE	38.31	T	1.02	0	0.81	2.49	8.84	10.05	11.53	2.30	0.57	0	0.70	0	0	0	37.29
ONO	44.58	0	1.72	0.08	1.23	5.22	9.61	10.53	11.40	3.16	1.35	0	0.28	0.10	0	T	42.88
PLATINA	39.33	T	1.92	0.10	0.90	4.88	11.54	8.13	7.60	1.76	1.24	0.14	1.12	0	0	0.06	37.37
PLATINA BURCH	40.18	T	1.81	0.09	0.94	4.61	11.13	8.29	8.47	2.18	1.32	T	1.34	T	0	0	38.28
STONYFORD COOLEY	69.39	0	3.44	0.06	2.91	5.04	15.89	19.83	12.93	3.99	3.98	0.52	0.80	T	0	T	65.89
STONYFORD RANGER STATION	29.00	0	0.02	0	0.29	2.55	8.01	6.31	8.30	2.34	0.67	0	0.51	0	0	0	28.98
STONY GORGE RESERVOIR	28.56	T	1.33	0	0.32	2.45	7.05	6.21	8.12	1.58	0.61	0	0.89	0	0	T	27.23
WHISKEYTOWN RESERVOIR	77.82	0	1.34	0.07	3.52	6.58	14.28	22.59	21.05	3.94	3.58	0.09	0.78	0	0	0.03	76.44
SACRAMENTO VALLEY NORTHEAST A4																	
CENTERVILLE POWERHOUSE	59.96	0.04	0.97	0.05	3.72	5.59	10.25	17.26	15.65	2.01	3.82	0.02	0.58	0	0	0	58.90
COHASSET 1 NNE	81.45	T	2.41	0.13	6.12	8.24	14.02	24.82	15.84	3.33	5.53	T	1.01	0.12	0	T	79.03
DALES	36.96	0	2.12	0.04	1.31	3.22	8.88	9.32	8.13	1.21	2.16	0	0.57	0.07	0	0	34.87
DARRAH FISH HATCHERY	38.09	0	2.58	0.05	1.56	3.58	8.31	10.89	5.67	2.02	2.51	0	0.92	0.01	0	0	35.47
DESABLA	86.73	0.03	1.79	0.14	6.24	7.19	16.24	27.87	18.46	2.45	5.24	0.10	0.98	0.09	0	0	84.86
FOREST RANCH	77.45	0.02	1.41	0.15	5.60	8.65	14.80	23.60	14.64	2.44	5.10	0.09	0.95	0.20	0	0	76.07
KILARC POWERHOUSE	60.05	0	3.59	0.15	4.64	6.16	12.56	13.70	10.73	1.99	5.37	0.12	1.04	0.07	0	0.10	56.48
MANTON 6 E	58.59	0.04	3.99	0.17	3.77	7.03	10.59	15.74	7.66	2.19	6.06	0.10	1.25	0.10	0	T	54.49
MANZANITA LAKE	55.86	0	4.57	0.31	3.87	6.84	8.00	16.06	6.22	3.39	3.85	0.16	2.59	0.39	0	0.06	51.43
MINERAL	77.25	0	4.14	0.31	6.63	6.93	14.03	23.44	12.76	2.20	4.32	0.03	2.46	0.22	T	0.11	73.13
PALO CERRO 2 N	-	0	1.86	0	0.60	4.51	14.01	11.53	12.53	2.43	1.79	-	0	0	0	0	-
PARADISE	74.03	T	1.40	0.05	4.59	7.28	12.44	22.72	16.36	3.04	5.15	0.02	0.98	0.03	0	0	72.61
PAYNES CREEK	-	-	-	-	-	-	-	10.82	6.34	1.99	2.72	0	0.79	0.03	0	0	-
SHINGLETOWN 2 E	61.66	0	4.05	0.15	4.71	6.85	11.77	16.59	8.92	2.48	5.08	0.02	1.04	0.05	0	0	57.51
VOLTA POWERHOUSE	53.11	0	3.06	0.14	3.85	6.29	9.38	13.28	9.31	1.65	5.24	T	0.91	0.07	0	T	49.98
FEATHER RIVER A5																	
BOULDER CREEK GUARD STN	-	T	1.31	0.03	-	-	-	-	-	-	-	-	2.37	0.62	0	T	-
BRUSH CREEK RANGER STN	90.01	0	2.15	0.08	8.32	9.32	14.94	30.36	16.23	3.18	4.82	T	0.61	0	0	0	87.78
BUCKS CREEK POWERHOUSE	85.58	0.01	3.03	0.15	5.26	7.29	16.76	26.50	17.71	2.40	5.10	0.31	1.06	0.02	0	0	82.41
BUCKS LAKE	-	0	2.30	0.10	8.40	7.30	16.30	32.50	-	-	-	-	-	0	0	0	-
BUCKS STORAGE RESERVOIR	-	0.02	2.01	0.10	7.52	RE											
CANYON DAM	53.37	0.09	1.30	0.07	2.83	4.25	10.44	19.46	9.72	1.02	2.78	0.07	1.34	0.08	0	0	51.99
CARIBOU POWERHOUSE	52.75	0.03	0.92	0.08	2.80	4.43	11.44	15.81	12.00	1.15	2.98	0.18	0.93	0	0	0	51.72
CHEROKEE	62.69	T	1.20	0.05	4.83	6.90	9.03	18.87	14.77	1.69	4.65	0.04	0.66	0.06	0	0	61.50
CHESTER	46.82	0.12	1.35	0.22	1.93	4.24	10.34	14.86	9.09	0.73	1.93	0.15	1.86	0.08	0	0.01	45.22

TABLE A-2 (Cont.)
PRECIPITATION DATA

Precipitation in Inches

Station Name	Total July 1 to June 30	1968						1969									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																	
ENTERPRISE OWID	60.83	0	0.84	0	4.29	7.29	9.25	19.93	12.40	2.15	4.12	0	0.56	0.12	0	0	60.11
FEATHER FALLS	-	0	1.19	0.20	3.39	7.20	12.46	-	-	-	-	0	0.40	0	0	0	-
FORBESTOWN	81.16	0.02	1.61	0.15	4.70	9.02	13.32	28.76	14.87	3.23	4.98	0.04	0.46	0.07	T	0	79.45
FOREMAN CREEK	52.08	0	0.99	0	3.71	7.51	8.49	15.30	9.88	1.98	3.78	0	0.44	0.10	0	0	51.19
GREENVILLE RANGER STN	58.77	0	1.00	0.08	2.26	5.03	11.68	21.98	9.16	1.44	2.94	0.50	2.70	0	0	0.09	57.78
HAMILTON BRANCH PH	37.79	0.09	0.68	0.10	1.27	3.32	8.29	12.52	6.81	0.90	1.94	0.16	1.71	0.59	0	0	37.51
LAKE WILENOR	78.99	0.01	1.25	0.08	6.27	10.47	12.81	22.98	16.88	2.68	4.58	0.21	0.77	0.21	0	0	77.86
LA PORTE	117.42	0	3.17	0.20	6.86	10.60	18.63	41.99	23.52	4.37	6.31	0.41	1.36	0.11	0	0	114.16
LOYALTON	27.51	0.09	0.51	0.35	0.75	2.33	4.54	11.70	3.53	0.39	0.95	0.39	1.98	0.11	0	0	26.67
LOYALTON NO. 2	31.29	0.09	0.55	0	0.74	2.54	3.85	13.69	4.26	0.38	2.51	0.13	2.55	0.54	T	0.05	31.24
MOHAWK RANGER STATION	46.32	T	0.70	0	2.71	4.18	8.05	18.03	7.03	0.88	2.24	0.31	2.19	0.16	0	T	45.78
OROVILLE DAM	41.89	0	0.84	0.01	3.87	5.90	5.92	12.07	7.55	2.18	3.14	0	0.41	T	0	0	41.04
PARISH CAMP	47.43	0.02	0.58	0.01	2.87	5.23	8.98	13.11	10.47	1.68	3.72	0.06	0.70	0.01	0	0	46.83
PLUMAS EUREKA STATE PARK	91.93	0.08	1.97	0.06	7.52	8.31	13.92	36.02	13.76	2.59	4.98	0.58	2.14	0	0	0	89.82
PORTOLA	31.79	T	0.29	0	0.94	2.86	4.88	12.05	5.98	0.83	1.31	0.06	2.59	0	0	0.01	31.51
QUINCY RANGER STATION	58.47	0.59	0.86	0.01	2.88	5.11	11.18	22.77	7.46	1.45	3.31	0.21	2.64	T	0	T	57.01
SIERRAVILLE RANGER STN	39.41	0.01	0.77	0	1.82	3.26	5.31	16.68	5.89	0.64	1.76	0.49	2.78	0.25	0	0.01	38.89
STIRLING CITY RANGER STN	103.50	0.10	2.80	0.20	8.10	8.20	20.50	34.60	18.50	3.40	6.00	0.20	0.90	0.20	0	0	100.60
TWAIN	52.02	0.22	0.92	0	2.15	4.50	10.75	19.70	9.38	0.63	2.81	0.07	0.89	0	0	0	50.88
VINTON	19.38	0.04	1.15	0.01	0.26	2.77	1.84	8.35	1.80	0.19	0.63	0.67	1.67	0.03	0	0.01	18.22
WOODLEAF OROLEVE	95.89	0.01	1.21	0.14	5.39	10.00	16.01	34.37	18.56	4.41	5.20	0.30	0.29	0	0	0	94.53
YUBA-BEAR RIVERS A6																	
BANGOR FIRE STATION	41.26	0	0.35	0.12	2.71	5.97	5.41	13.71	7.76	2.15	2.73	T	0.35	0.04	0	0	40.83
BEAR RIVER HEAD DAM	70.98	0	1.04	0.80	4.86	7.74	10.07	23.26	15.42	2.42	5.03	0	0.34	0.10	0	0	69.24
BIG BEND RANGER STATION	92.43	T	2.09	0.09	5.24	9.28	14.31	36.01	15.25	3.08	5.17	0.02	1.89	T	T	0.01	90.26
BOWMAN DAM	87.76	T	3.21	T	5.34	9.43	12.89	32.92	15.04	2.29	4.80	0.33	1.51	0.11	0	0.04	84.70
CAMPTONVILLE RANGER STN	73.18	0.01	1.55	0.08	4.75	8.60	14.22	23.71	13.00	2.43	4.48	0.04	0.31	T	0	0	71.54
CHALLENGE RANGER STATION	88.07	T	1.41	0.16	4.34	7.59	15.72	32.31	17.43	3.74	4.98	0.02	0.37	0.02	0	0	86.52
CLIPPER GAP	57.13	0	0.94	T	2.36	6.80	7.27	20.49	12.93	1.63	3.81	0	0.90	0	0	0	56.19
COLGATE POWERHOUSE	52.91	0	0.63	0.03	2.94	6.80	7.38	18.55	10.72	2.20	3.39	T	0.27	T	0	T	52.25
DEER CREEK POWERHOUSE	102.91	0.17	2.58	0.02	5.91	10.66	15.23	36.78	21.73	2.99	6.15	0.10	0.59	0.01	0	0.06	100.21
DOBBINS F F S	64.09	T	0.85	0.13	3.33	6.90	10.61	23.23	12.21	2.55	4.24	0.04	0	0.02	0	T	63.13
DOBBINS COLGATE	53.15	0	0.71	0.06	3.08	6.84	7.23	18.61	11.02	1.78	3.49	0	0.33	T	0	T	52.38
DOWNIEVILLE RANGER STN	87.49	0	2.18	0.05	5.93	9.84	15.56	29.74	14.95	2.88	5.37	0.17	0.82	0.12	0	0	85.38
DRUM FOREBAY	77.20	0.07	1.95	0.05	4.70	7.46	10.75	27.45	16.47	2.87	4.68	0.32	0.43	0.01	0	0.05	75.19
FRENCH CORRAL	52.09	T	0.59	0.04	2.82	6.99	7.17	17.30	11.06	2.28	3.52	0.05	0.27	0.03	0	0	51.49
GRASS VALLEY NO. 2	71.99	0.01	0.98	0.26	4.08	7.84	10.71	25.02	14.95	2.91	4.93	T	0.30	0.01	T	T	70.75
H. L. ENGLEBRIGHT DAM	47.10	T	0.39	0.05	2.13	6.16	6.34	16.11	9.88	2.57	3.03	T	0.44	T	0	0	46.66
HIDDEN VALLEY RANCH	50.76	0	0.45	0.07	2.39	6.22	6.25	16.45	10.90	3.33	3.79	0.05	0.86	T	0	T	50.24
INDIAN ROCK	86.83	T	1.34	0.13	4.17	9.09	14.46	29.42	19.10	3.46	5.28	0.03	0.35	0	0	0	85.36
LAKE SPAULDING	93.51	0.05	3.06	0.04	5.99	9.23	12.86	34.88	18.28	2.34	5.23	0.26	1.29	T	T	0.13	90.49
LAKE SPAULDING DAM	-	0.04	2.71	0.04	-	-	-	-	-	-	-	-	1.22	T	T	0.09	-
NEVADA CITY	79.13	T	1.08	0.01	4.18	8.09	12.01	26.37	18.95	2.94	5.16	0.03	0.31	0.02	T	T	78.06
NEVADA CITY RANGER STN	70.47	T	0.90	0.01	4.01	8.29	8.73	25.82	14.85	2.76	4.80	0	0.30	0	0	0	69.56
NORTH BLOOMFIELD	-	0.11	1.41	0	4.23	8.70	10.87	-	-	-	4.58	0	0	0	0	0	-
NORTH SAN JUAN	62.03	0.01	1.04	0.06	3.49	8.13	8.82	21.68	12.84	1.84	3.90	0.11	0.11	0	T	0	60.92
NORTH SAN JUAN 4 NE	70.80	T	1.25	0.03	5.17	8.67	9.59	21.88	16.65	3.05	4.16	0.02	0.33	T	T	0	69.52
RACKERBY	50.20	0	0.17	T	2.76	5.63	6.37	18.68	11.56	2.45	2.08	0	0.50	0	0	0	50.03
RUSSELL RANCH	62.89	0	0.95	0.15	4.02	8.02	8.74	20.41	12.55	2.35	5.08	0	0.62	0.13	0	0	61.92
SCALES	115.23	0.05	2.24	0.17	6.37	12.39	19.26	39.08	23.18	4.26	6.00	0.68	1.55	T	0	T	112.77
SHADY CREEK	53.08	T	0.81	0.07	3.00	7.29	7.62	17.64	9.84	2.23	4.03	0.30	0.25	T	T	T	52.20
SIERRA CITY	93.65	0.01	3.02	0	5.35	8.41	14.08	36.30	17.07	2.51	4.57	0.69	1.64	T	T	0.03	90.65
SODA SPRINGS 1 E	75.98	0.03	3.06	0.39	4.09	7.93	12.41	25.12	13.23	3.06	4.42	0.51	1.73	0	0	0.21	72.71
STRAWBERRY VALLEY	101.29	0.03	1.55	0.12	5.80	10.12	16.52	37.06	20.54	3.13	5.79	T	0.63	T	T	T	99.59
WASHINGTON RIDGE	-	0.20	1.34	0	4.15	8.44	10.36	-	-	2.71	6.06	0.03	1.18	0.03	0	0	-
WASHINGTON	84.92	0.03	2.25	T	4.74	8.39	13.49	33.43	14.84	2.10	5.22	0.15	0.28	0.31	T	0.06	83.01
WEIMAR 1 W	65.99	T	0.83	0	2.78	6.73	9.02	23.84	14.18	3.24	4.37	0	1.00	T	0	T	65.16
WOLF MOUNTAIN	60.71	0	0.90	0.07	3.69	7.52	8.02	21.28	12.98	1.30	4.44	0.05	0.46	0	0	0	59.74
AMERICAN RIVER A7																	
APPLEGATE	65.43	0	1.24	0.13	2.86	7.54	8.35	23.11	14.39	2.64	4.47	0.08	0.62	0	0	0	64.06
AUBURN	49.98	0.03	0.73	0.02	3.29	6.26	5.58	16.97	9.87	2.94	3.67	0.15	0.47	T	0	0	49.20
BLODGETT EXPT FOREST	83.70	0.17	2.39	0.03	3.36	9.86	11.97	30.63	16.34	2.70	5.38	0.28	0.59	0.30	0	0.19	81.60
BLUE CANYON WB AIRPORT	91.09	0.03	2.97	0.07	5.87	9.99	13.62	32.41	17.79	2.24	5.08	0.53	0.49	0.15	0	0.11	88.28
COLFAX	72.87	0	1.05	0.53	3.48	8.50	11.22	25.04	16.19	1.53	5.04	0.01	0.28	0.08	0	0	71.37
COLFAX FIRE STATION	62.74	T	0.92	0.67	3.07	6.96	8.88	22.89	12.48	1.73	4.93	T	0.21	T	0	T	61.15
COLOMA	45.80	T	0.59	0	1.79	5.22	5.81	14.67	11.44	2.40	3.40	0.29	0.19	0.10	0	0.04	45.35
COOL	44.98	0	0.52	0.08	1.76	6.57	4.90	15.16	9.38	2.49	3.83	0.10	0.19	0	0	0.02	44.40
EL DORADO F F S	49.66	0	0.70	0	1.69	5.20	6.64	17.00	10.27	3.10	4.55	0	0.51	0.11	0	0.04	49.11
EL DORADO POWERHOUSE	-	0.12	1.00	0.02	2.00	7.87	9.28	22.26	12.29	2.16	4.74	RE					
FOLSOM DAM	35.00	0	0.25	0	0.92	4.06	4.11	13.49	7.43	2.13	2.45	0.01	0.15	0	0	0	34.75
FORESTHILL RANGER STN	69.85	T	1.62	0.13	3.13	7.62	9.51	24.37	14.91	2.81	5.45	T	0.30	0.10	0	0.02	68.22
FRESH POND	67.30	0.07	1.27	0	2.51	8.31	10.52	24.89	11.14	2.85	4.97	0	0.77				
GARDEN VALLEY 2 S	53.32	0	1.17	0.02	2.13	6.79	7.23	17.24	10.96	3.26	3.92	0.36	0.24	0.36	0	0.05	52.54
GEORGETOWN RANGER STN	74.82	0.05	1.92	0	3.38	7.94	10.50	28.56	13.37	3.37	5.18	T	0.55	0.22	T	0.09	73.16
GOLD RUN	76.70	0.23	1.59	0.22	4.67	8.51	10.87	28.12	14.97	2.23	4.98	0.06	0.25	0.03	0	T	74.69
HELL HOLE	55.30	0.10	1.80	0.40	2.90	8.50	3.50	23.20	7.60	1.90	3.40	0.20	1.80	0.20	0	0.20	53.40
IOWA HILL	-	-	-	-	-	-	-	25.73	14.10	2.61	4.94	0.02	0.29	0.20	T	0.03	-

TABLE A-2 (Cont.)
PRECIPITATION DATA

Precipitation in Inches

Station Name	Total July 1 to June 30	1968						1969									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																	
JAY BIRD POWERHOUSE	68.87	0.01	1.44	0	2.67	9.00	12.19	24.64	10.98	2.38	4.79	0	0.77	0.14	0	0.27	67.83
KYBURZ STRAWBERRY	63.27	0.11	1.21	0.02	2.52	8.40	11.24	22.09	9.61	2.14	3.11	0.64	2.18	0.42	0	0.48	62.83
LONG VALLEY ORCHARD	41.59	T	0.54	0.02	1.62	5.53	4.24	15.32	7.96	2.80	3.17	0.10	0.29	0	0	T	41.03
MICHIGAN BLUFF	59.75	0.16	1.20	0.16	2.93	7.01	8.32	19.51	12.81	1.57	4.80	0.15	1.13	0.23	0	0.05	58.51
MOUNT DANAHER	57.54	0.11	1.21	0.05	2.20	7.54	7.93	20.56	9.76	2.96	4.67	0	0.55	0.18	0	0.17	56.52
PACIFIC HOUSE	64.80	T	1.17	0.05	1.46	8.48	9.87	24.07	10.99	2.97	5.07	0.06	0.61	0	0	0.18	63.76
PEAVINE RIDGE	62.41	0.03	1.52	0	2.61	8.10	9.28	22.15	9.92	3.11	4.68	0	1.01	0.10	0	0.28	61.24
PLACERVILLE	50.01	T	0.85	T	1.78	6.29	7.55	16.57	8.80	3.38	4.43	0.02	0.34	0.47	T	0.06	49.69
PLACERVILLE I F G	52.33	0.06	1.11	0	1.79	6.52	7.25	18.45	9.92	2.41	4.29	0	0.53	0.12	T	0.09	51.37
PLACERVILLE DISP PLANT	49.20	0	0.70	0	1.60	5.50	6.90	16.80	10.60	2.30	4.50	0	0.30	0.30	0	0.10	48.90
REPRESA	30.69	0	0.22	0.01	0.81	3.87	3.69	11.54	6.81	1.19	2.18	0.02	0.35	0	0	T	30.46
ROBBS PEAK POWERHOUSE	73.60	0	2.10	0.10	2.30	9.00	11.30	27.00	12.70	2.20	5.20	0.60	1.10	0.10	0	0.10	71.60
TODD VALLEY	64.93	0.07	1.32	0.09	2.62	7.22	9.39	22.56	14.30	1.91	5.07	T	0.38	0.16	T	0.02	63.63
TWIN LAKES	79.89	0.12	2.27	0.12	2.03	8.54	11.39	30.24	14.34	3.35	5.21	1.42	0.86	0.56	0	0.63	78.57
UNION VALLEY	75.86	0.03	1.48	0	2.98	9.10	11.93	29.93	11.84	2.33	4.82	0.06	1.36	0.10	0	0.13	74.58
CACHE CREEK A8																	
ADOBE CREEK	-	0	1.13	0	1.97	2.74	15.49	20.91	-	-	-	-	-	-	-	-	-
BROOKS FARNHAM RANCH	26.16	0	0.27	0	0.59	2.60	5.28	8.22	5.69	1.60	1.85	T	0.06	0	0	T	25.89
CAPAY 4 W	32.79	0	0.64	0	0.73	3.02	6.47	9.73	8.81	1.97	1.32	0.07	0.03	0	0	0.02	32.17
CLEARLAKE HIGHLANDS	31.55	0	0.49	T	0.74	2.41	7.34	8.02	9.05	1.26	1.90	0	0.34	0	0	0	31.06
COBB	98.29	0	2.08	0.10	3.92	4.90	22.58	33.96	21.12	3.17	5.68	0.41	0.37	0	0	0	96.11
COBB 2 NW	68.72	0	1.46	0	3.68	3.39	17.16	20.31	15.77	2.79	3.61	0.25	0.30	0	0	0	67.26
CUNNINGHAM		-	0.98	0.05													
FINLEY 1 SSE	37.78	0	0.93	0.02	1.09	2.86	9.98	11.43	7.47	1.14	2.61	0.03	0.22	0	0	0	36.83
FINLEY 5 SW	53.92	0	1.13	0.20	1.52	4.02	13.19	14.93	12.14	1.91	4.56	0.20	0.12	0	0	0	52.59
H BAR H		0	1.11	0													
HIGH VALLEY MITCHELL	36.91	0	1.56	0	1.22	4.42	7.90	8.74	9.13	0.95	2.30	0.05	0.64	T	0	T	35.35
HOBERGS	69.62	0	1.49	0	2.42	3.57	17.35	24.22	14.73	2.65	2.74	0.24	0.21	0	0	0	68.13
HOPLAND 8 NE	-	0	-	-	-	-	11.85	-	-	-	2.72	0.05	-	0	0	0	-
KELSEYVILLE	36.95	0	0.69	0.02	1.04	2.65	9.35	11.25	8.13	1.21	2.38	0	0.23	0	0	0	36.24
KELSEYVILLE 2 N	33.27	0	0.85	0	0.84	3.03	8.77	8.95	6.92	1.20	2.41	0.05	0.25	0	0	0	32.42
LAKEPORT	40.41	0	1.63	0.06	1.23	3.76	10.17	11.04	9.12	0.95	1.99	0.10	0.36	0	0	T	38.72
LAKEPORT 3 W	47.43	0	1.86	0	1.78	3.96	12.37	12.91	10.60	1.59	2.16	0.04	0.16	0	0	0	45.57
LAKEPORT US SCS		0	1.20	0	0.90	3.40	9.30	9.95	8.38	0.65	1.72						
LEESVILLE KEEGAN RANCH	31.35	0	1.00	0	1.02	3.27	6.96	7.74	8.24	1.71	1.41	0	0	0	0	0	30.35
LONG VALLEY GARNER	40.03	0	1.60	0.03	1.46	4.29	8.49	10.31	9.26	1.60	2.22	0.02	0.75	0	0	0	38.40
LOWER LAKE	39.51	0	0.61	T	0.95	2.58	9.01	11.80	10.65	1.19	2.40	0	0.32	0	0	T	38.90
MAHNKE	55.24	0	2.40	0.05	2.26	3.04	12.37	16.96	11.89	1.49	4.32	0.29	0.17	0	0	0.19	52.98
MORGAN VALLEY STATION	48.82	0	0.77	0.03	1.88	3.23	11.18	15.08	12.05	1.60	2.86	T	0.14	T	0	0	48.02
RUMSEY 1 NW	34.61	0	0.38	0	0.61	2.94	7.96	9.72	9.61	1.59	1.67	0	0.13	0	0	0	34.23
UPPER LAKE 7 W	54.79	0	1.66	0.17	1.94	4.65	14.53	14.18	13.71	0.82	2.69	0.12	0.32	0	0	0.02	52.98
WINTERS SCOTT RANCH	30.94	0	1.07	T	0.73	3.55	5.45	8.58	8.62	1.59	1.29	0.02	0.04	0	0	0.03	29.90
PUTAH CREEK A9																	
BERRYESSA LAKE	32.48	0	0.64	0	0.96	2.80	6.80	9.40	7.46	2.09	2.20	0	0.13	T	0	0.02	31.86
MIDDLETOWN	63.69	0	1.08	0	2.84	3.45	13.06	22.92	14.30	2.35	3.51	0.11	0.07	T	0	T	62.61
MIDDLETOWN 4 WSW	92.36	T	2.23	0.10	5.80	3.41	18.26	32.97	20.11	3.94	5.19	0.20	0.15	0	0	0	90.03
MONTICELLO DAM	34.78	0	0.20	0	0.89	3.02	5.99	10.10	10.60	1.98	1.84	0	0.16	0.02	0	0	34.60
PLEASANTS VALLEY	37.28	0	0.02	0	0.91	3.61	7.28	12.50	9.27	1.96	1.71	0	0.02	0	0	0	37.26
POPE VALLEY 2 E	44.06	0	0.90	0	0.77	3.35	9.70	14.88	10.29	1.44	2.70	0.03	0	0	0	0	43.16
SAINT HELENA 7 NE	47.98	0	1.31	0.02	2.37	3.14	9.80	17.64	9.91	1.08	2.59	0.04	0.08	0	0	0	46.65
SAN JOAQUIN RIVER BASIN																	
SAN JOAQUIN VALLEY FLOOR B0																	
BELLOTA ANDERSON	23.59	0	0	0	0.61	3.50	3.90	6.26	5.54	1.84	1.94	0	0	0	0	0.36	23.95
BUENA VISTA	29.69	0.25	0.15	0	1.02	4.22	3.82	8.12	7.75	1.36	3.00	0	0	0.03	0	0.02	29.34
CAMANCHE NORTH STATION	21.67	0	0.07	0	0.58	3.32	3.41	5.53	4.66	1.39	2.67	0	0.04	0	0	0.11	21.71
CAMANCHE SOUTH STATION	26.36	0	0.07	0	0.69	3.72	3.78	6.83	6.45	1.96	2.77	0	0.09	0	0	0.08	26.37
CENTRAL VALLEY HATCHERY	26.78	T	0.05	0	0.64	2.89	3.48	9.38	6.90	1.92	1.30	0.22	T	0	0	0.09	26.82
CLAY 1 NW	21.31	T	0	0.01	0.47	3.16	3.48	6.33	4.83	1.41	1.42	0.15	0.05	0	0	0.06	21.36
CLEMENTS	23.95	0	0.02	0	0.67	3.37	3.75	6.42	5.85	1.39	2.43	0	0.05	0	0	0.18	24.11
ELLIOTT	24.06	0	0.01	0.01	0.40	3.36	3.91	7.79	5.11	1.56	1.79	0.07	0.05	0	0	0.24	24.28
ESCALON SWANSON	19.02	0	0.02	0	0.68	2.90	3.16	4.59	5.50	0.56	1.61	T	0	0	0	0.32	19.32
GALT	24.10	0	0.04	0.01	0.42	3.22	3.90	8.17	5.38	1.53	1.28	0.10	0.05	T	0	0.26	24.31
HERALD FIRE STATION	23.81	0	0.03	0	0.29	2.93	3.33	8.27	6.33	1.07	1.34	0.17	0.05	0	0	0	23.78
HUNT RANCH	26.94	0	0.04	0	0.77	4.11	3.70	6.78	6.52	2.29	2.68	0	0.05	0	0	0.19	27.09
IONE	30.23	0	0.18	0.02	0.94	4.48	4.11	9.08	6.16	2.00	3.24	0.02	T	0	0	0.02	30.05
IONE 2 NW	36.19	T	0.25	T	0.86	4.88	4.87	12.50	7.03	1.75	3.95	0.10	T	0.03	0	0	35.97
JENNY LIND 3 SW	27.21	0	0.09	0	0.82	4.05	4.53	6.87	6.20	2.12	2.52	0	0.01	T	T	0.20	27.32
LINDEN FIRE STATION	20.47	0	0.02	0	0.62	2.87	3.71	5.07	5.03	1.58	1.57	0	0	0	0	0.44	20.89
LINN RANCH	23.15	0	0.01	0	0.65	3.47	3.51	6.05	5.19	1.41	2.45	T	0.41	0	0	0.27	23.41
LOCKEFORD	23.58	0	0	T	0.63	3.36	3.87	6.60	5.64	1.41	1.97	T	0.10	T	0	0.33	23.91
LOCKEFORD 5 ESE	24.65	0	0.03	T	0.67	3.74	3.95	6.43	5.62	1.82	2.35	T	0.04	T	0	0.20	24.82
LODI	22.96	0	T	0	0.41	3.03	4.43	6.52	5.78	1.13	1.44	0.18	0.04	0.02	0	0.39	23.37

TABLE A-2 (Cont.)
PRECIPITATION DATA

Precipitation in inches

Station Name	Total July 1 to June 30	1968						1969									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																	
LODI 3 W	22.75	0	0	0	0.34	3.05	4.22	7.02	5.42	1.38	1.23	0.07	0.02	0	0	0.10	22.85
LODI THOMPSON RANCH	20.38	0	0	0.01	0.38	2.69	3.47	6.68	4.92	0.98	1.05	0.11	0.09	0	0	0.32	20.69
MANTECA	17.63	0	0.07	0	0.50	2.39	3.12	4.21	5.16	0.77	1.38	0	0.03	0	0	0.36	17.92
MARSHALL RANCH	20.48	0	0	0	0.52	2.73	3.90	5.67	5.01	1.06	1.54	0.05	0	0	0	0.47	20.95
MILTON	30.29	0	0	0	0.94	4.08	4.78	8.64	6.85	2.63	2.37	0	0	0	0	0.05	30.34
OSPITAL RANCH	25.80	0	0	0	0.60	3.60	4.40	6.40	6.40	1.90	2.50	0	0	0	0	0	25.80
SACTO COUNTY BOYS' RANCH	26.98	0	0.22	0	0.46	4.16	2.77	8.77	6.85	1.08	2.42	0	0.25	0	0	0	26.76
SLOUGHHOUSE 1 SW	33.27	0	0.14	T	0.60	4.38	3.84	10.42	10.14	1.36	2.17	0	0.22	0	0	0.08	33.21
SNOW RANCH	25.21	0	0	0	1.06	3.63	3.65	7.44	5.73	1.91	1.79	0	0	0	0	0.15	25.36
STOCKTON WB AIRPORT	21.87	0	0.03	T	0.62	2.63	4.38	6.24	5.43	0.91	1.60	0.03	T	0	0	0.22	22.06
STOCKTON FIRE STATION 4	19.97	0	T	0	0.44	2.34	4.52	6.09	4.60	1.02	0.89	0.06	0.01	0	0	0.29	20.26
VALLEY SPRINGS 6 SW	27.64	0	0.10	0	0.77	3.95	4.50	6.95	6.92	1.96	2.49	0	0	0	0	0.05	27.59
WALLACE 1 SE	27.68	0	0.05	T	0.99	4.49	3.94	7.09	6.57	1.86	2.66	0	0.03	T	0	0.12	27.75
WOODBRIDGE FIRE STATION 1	-				RB	2.91	3.88	6.39	5.01	1.10	1.18	0.20	0.02	0	0	0.30	-
WOODBRIDGE FIRE STATION 2	-				RB	2.44	3.99	5.79	5.58	0.90	1.43	0.03	0.06	0	0	0.35	-
YOUNGSTOWN	21.51	0	0.01	0	0.32	2.84	3.66	6.24	5.29	1.38	1.50	0.06	0.21	0	0	0.41	21.91
COSUMNES RIVER B1																	
CEDARVILLE TREE FARM	57.94	0.04	0.69	0.07	1.94	7.41	7.38	18.89	13.94	2.70	4.44	T	0.44	T	T	0.24	57.38
D'AGOSTINI WINERY	44.92	T	0.58	0.08	1.66	6.05	5.64	14.71	8.61	3.19	4.03	0.25	0.12	0.08	0	0.05	44.39
DIAMOND SPRINGS	50.07	T	0.84	T	1.59	6.16	6.85	17.60	8.97	3.25	4.46	T	0.35	0.33	0	0.06	49.62
DRYTOWN VAIRA RANCH	32.47	0	0.30	0	1.15	4.97	4.92	9.73	7.40	2.63	1.32	0	0.05	0	0	0	32.17
FIDDLETOWN LYNCH	53.61	0.09	0.50	0.03	1.77	6.77	6.78	18.18	11.07	3.64	4.60	0	0.18	0	0	0.23	53.22
LEHMAN RANCH	38.33	0.01	0.35	0.03	1.18	5.17	3.64	13.04	8.36	2.94	3.42	T	0.19	T	0	0.04	37.98
LOGTOWN RIDGE	41.33	T	0.56	0.09	0.43	5.50	5.34	15.67	7.81	3.12	2.28	0.06	0.47	0.13	0	0.14	40.95
PINE GROVE CONS CAMP	54.43	0	0.65	0.04	1.91	6.27	7.30	19.57	10.79	3.65	4.25	0	0	0	0	0.25	53.99
PLYMOUTH 3 NE	40.87	0	0.50	0	1.39	6.41	4.61	12.69	9.01	1.88	3.75	0.50	0.13	0.10	0	0	40.47
PLYMOUTH 6 WNW	36.26	0	0.20	0.07	1.12	5.09	4.55	11.96	6.69	2.81	3.66	0.08	0.03	T	T	T	35.99
RIVER PINES	46.82	0.06	0.44	0.06	1.54	6.32	5.69	15.50	9.24	3.45	4.22	0.04	0.26	T	0	0.09	46.35
SHINGLE SPRINGS	49.89	0	0.65	T	1.85	5.42	6.58	18.10	9.59	2.95	4.54	0.06	0.15	0.08	0	0.04	49.36
SLY PARK	61.41	0.12	1.05	0.05	2.22	8.38	8.89	21.14	10.92	3.18	4.64	0.13	0.69	T	0	0.12	60.31
SOMERSET 5 ESE	51.00	0.10	1.00	0.10	1.80	7.00	6.70	17.50	10.10	2.20	3.70	0.20	0.60	0	0	0.20	50.00
MOKELUMNE-CALAVERAS RIVERS B2																	
ALTAVILLE C D F	45.53	0	0.15	0	1.35	4.65	3.77	20.18	9.18	3.27	2.84	0	0.14	0	0	0.05	45.43
CALAVERAS BIG TREES	86.78	0.08	1.34	0	3.32	8.33	12.77	33.98	16.10	4.42	5.48	0.07	0.89	0	0	0.69	86.05
CAMP PARDEE	31.09	T	0.30	0	1.19	4.45	3.98	8.41	7.43	2.31	2.98	0	0.04	0	0	0.04	30.83
DOUBLE SPRINGS RANCH	37.21	0	0.12	0	1.22	6.41	5.35	8.75	8.39	3.40	3.47	0	0.10	0	0	0.16	37.25
ELECTRA POWERHOUSE	39.54	0	0.31	0	1.42	5.36	4.80	12.26	8.80	2.99	3.54	0	0.06	0	0	0.07	39.30
HOGAN DAM	31.24	0	0.11	T	0.98	4.38	4.96	8.08	7.24	2.59	2.88	0	0.02	T	0	0.01	31.14
JACKSON 1 NW	37.18	0	0.35	0.05	1.52	5.67	5.39	10.50	7.99	2.41	3.24	0.03	0.03	0.01	0	0.05	36.84
MOKELUMNE HILL	41.30	0	0.34	0	1.45	5.37	6.20	12.39	8.43	3.59	3.49	0	0.04	0.02	0	0.18	41.16
MOKELUMNE HILL 5 E	47.17	0	0.29	0	1.71	6.17	6.55	14.51	11.45	3.05	3.23	0.04	0.17	0.03	T	0.16	47.07
MOUNTAIN RANCH 2 NW	56.56	T	0.55	0	2.00	7.14	7.96	19.66	10.88	3.33	4.13	0	0.91	0.08	0	0.16	56.25
MURPHYS 2 N	59.15	0	0.42	0	2.05	6.37	8.92	20.68	12.62	3.47	4.01	0.04	0.57	0	0	0.33	59.06
PRESTON SCHOOL	31.14	0	0.20	0.01	0.97	4.62	4.01	9.29	6.85	1.75	3.39	0.05	T	0.04	0	0	30.97
RAILROAD FLAT	59.32	0	0.59	0	1.83	7.19	8.68	19.68	11.80	3.95	4.28	0.07	1.25	0	0	0.28	59.01
RAILROAD FLAT A D R	57.10	0	0.60	0	2.00	6.70	8.80	19.30	11.10	3.60	3.90	0	1.10	0	0	0	56.50
SALT SPRINGS POWERHOUSE	64.81	0.02	0.95	0.16	2.41	7.88	9.87	23.48	11.77	2.72	4.44	0.72	0.39	0	0	1.01	64.69
SAN ANDREAS	41.41	0	0.72	0	0.96	4.51	6.24	14.50	8.07	3.42	2.85	T	0.14	T	0	0.12	40.81
SAN ANDREAS 2 S	40.59	0	0.22	0	1.06	4.48	5.59	15.07	7.80	3.47	2.86	T	0.04	0	0	0.01	40.38
SAN ANDREAS RANGER STN	39.50	0	0.14	0	1.03	4.48	6.09	13.84	7.62	3.32	2.88	0	0.10	T	0	0.19	39.55
SHEEP RANCH	57.00	0	0.30	0	2.00	6.30	8.00	19.60	12.10	3.80	3.90	0.10	0.90	0	0	0	56.70
SUTTER HILL RANGER STN	42.36	T	0.53	0.06	1.50	5.63	6.14	12.96	8.61	3.13	3.73	0.02	0.05	0	0	0.10	41.87
TIGER CREEK POWERHOUSE	64.03	0.20	0.93	0.01	2.27	8.35	9.07	22.00	13.28	3.09	4.53	0.06	0.24	0	0	0.59	63.48
VALLEY SPRINGS	30.82	0	0.19	0	0.77	4.38	4.45	7.80	7.65	2.62	2.92	0	0.04	0	0	0	30.63
WEST POINT 3 SW	-	T	0.61	0.06	2.04	6.85	8.17	14.89	13.06	RE							
WILSEYVILLE SCHAADS	-	0	0.62	0	-	9.52	6.05	23.46	17.23	1.90	4.70	0	0.20	0	0	0.64	-
SAN JOAQUIN VALLEY WEST SIDE B8																	
ALTAMONT 4 E	16.45	0	T	0	0.33	2.21	2.72	5.25	3.99	1.18	0.77	0	0	0	0	T	16.45
ANTIOCH PUMPING PLANT 3	18.00	0	0.45	0	0.13	2.16	2.41	6.31	4.71	1.14	0.68	0.01	T	0	0	T	17.55
BRENTWOOD 6 SW	22.95	0	0.68	0	0.10	2.37	3.53	8.38	6.51	0.61	0.77	0	0	0	0	0	22.27
CASTLE ROCK RADIATION LAB	13.77	0	1.45	0	0.38	1.68	1.45	3.59	3.71	0.91	0.60	0	0	0	0	0.09	12.41
KERLINGER	14.64	0	2.59	0	0.64	1.72	2.05	2.50	3.16	1.33	0.65	0	0	0	0	0.19	12.24
LONE TREE CANYON	-	0	0.34	0	-	-	-	5.95	3.87	0.96	0.34	0	T	RE			
PITTSBURG DOW CHEMICAL	-	0	0.01	0	0.13	2.33	2.56	5.54	5.99	0.47	0.85	-	0	0	0	0.02	-
SACRAMENTO-SAN JOAQUIN DELTA B9																	
ANTIOCH FIBREBOARD	18.69	0	0.65	0	0.12	2.22	2.26	5.71	5.68	0.99	1.04	T	0.02	0	0	0	18.04
BRANNAN ISLAND	20.93	0	0.42	0	0.37	2.54	2.14	6.65	6.19	1.45	1.13	0.04	0	0	0	T	20.51
BRENTWOOD	19.76	0	1.76	0	0.15	2.27	2.91	5.85	5.26	1.17	0.39	0	T	0	0	T	18.00
CLARKSBURG	23.40	0	T	T	0.53	2.27	2.88	8.24	6.12	1.74	1.59	0.03	0	T	0	0.11	23.51
DIXON VOICE OF AMERICA	23.89	0	0.14	0	0.56	2.60	3.25	7.39	7.16	1.55	1.24	0	0	0	0	0	23.75

TABLE A-2 (Cont.)
PRECIPITATION DATA

Precipitation in Inches

Station Name	Total July 1 to June 30	1968						1969									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																	
GRAND ISLAND RD 3	23.05	0	0.42	0	0.61	2.49	2.89	7.72	6.00	1.77	1.10	0.05	0	0	0	0	22.63
HOLT 2 ESE	18.00	0	0	0	0.42	2.39	2.67	6.01	3.98	1.14	1.37	0.02	0	0	0	0.11	18.11
MOUNTAIN HOUSE	16.54	0	T	0	0.25	2.25	3.03	4.87	4.20	1.18	0.76	T	0	0	0	T	16.54
RIO VISTA	19.44	0	0.78	0	0.20	1.55	2.08	7.34	5.12	1.09	1.28	0	0	0	0	T	18.66
RIO VISTA 4 NW	-	0	1.54	0	0.30	2.44	2.79	-	5.83	1.10	-	-	-	0	0	0	-
STOCKTON DISPOSAL PLANT	18.39	0	0	0	0.57	2.22	3.55	5.18	4.90	0.61	1.29	0.07	0	0	0	0.15	18.54
THORNTON 3 SSE		0	0.02	0													
TRACY FIRE STATION	11.23	0	0.24	0	0.48	1.46	2.20	2.98	2.56	0.68	0.63	0	0	0	0	0.18	11.17
TRACY SOUTHERN PACIFIC	14.20	0	0.30	0	0.56	2.07	2.82	3.27	4.14	0.78	0.26	0	0	0	0	0.14	14.04
TRACY 2 SSE	13.68	0	1.15	0	0.73	1.86	2.19	3.00	3.44	0.66	0.65	0	0	0	0	0.28	12.81
TRACY CARBONA	15.42	0	2.49	0	0.78	1.87	2.26	2.94	3.32	1.03	0.73	0	0	0	0	0.31	13.24
TRACY PUMPING PLANT	15.29	0	0.60	0	0.19	2.22	2.44	5.02	3.88	0.29	0.65	0	0	0	0	0.04	14.73
UNION ISLAND	17.13	0	1.04	0	0.41	2.30	2.84	4.65	4.20	0.63	1.06	T	T	0	0	T	16.09
WALNUT GROVE	21.76	0	0	0	0.53	2.24	2.43	8.07	6.19	1.00	1.12	0.10	0.08	0	0	0	21.76
WALNUT GROVE LEARY	23.14	0	0	0	0.57	2.61	2.79	8.34	6.49	1.00	1.24	0.06	0.04	0	0	0.15	23.29
NORTH LAHONTAN AREA																	
SURPRISE VALLEY G1																	
CEDARVILLE	14.80	T	1.77	0.06	0.85	2.43	1.23	4.27	1.30	0.60	1.00	0.24	1.05	0.22	0	0.20	13.39
CEDARVILLE HANSEN	-	0	1.58	0.09	0.45	1.65	-	2.48	0.59	0.26	0.66	0	1.13	0.42	0	0.06	-
CEDARVILLE 12 SE	10.00	0	2.10	0	0.31	1.43	0.55	2.28	0.39	0.41	0.96	0.49	1.08	0.57	0	T	8.47
EAGLEVILLE 2 SE	11.35	0	2.26	0	0.64	1.97	0.62	2.39	1.06	0.37	0.32	0.62	1.10	0.07	0.05	0.11	9.32
FORT BIDWELL	17.82	0	1.75	0	0.64	2.94	2.29	4.08	2.01	0.60	1.12	0.38	2.01	T	0	0.04	16.11
MADELINE PLAINS G2																	
MADELINE HWY MAINT STN	11.63	0	2.38	0	0.68	1.40	1.13	1.69	1.55	0.20	0.33	1.00	1.27	0.50	0.01	0.08	9.84
RAVENDALE JIM MARR	12.55	0.10	2.02	0	0.32	2.25	1.44	3.11	0.88	0.09	0.62	0.20	1.52	0.42	0	0	10.85
RAVENDALE 5 ESE	12.25	0.07	1.52	0	0.39	2.18	0.88	4.28	0.69	0	0.39	0.32	1.53	0.39	0	0	11.05
TERMO 6 SW	17.24	0.20	1.69	0	0.64	1.82	2.33	5.94	1.95	0.15	0.80	0.02	1.70	0.24	0.05	0.19	15.83
TERMO	12.44	0.20	1.25	0	0.42	2.11	1.39	3.61	1.49	0.23	0.59	0.19	0.96	0.31	0.05	0.09	11.44
EAGLE LAKE G3																	
EAGLE LAKE NELSON	23.90	0.61	1.47	0.02	0.65	2.10	3.61	7.88	3.62	0.43	1.10	0.65	1.76	0.49	0.05	0.31	22.65
SUSAN RIVER G4																	
FLEMING FISH AND GAME	11.27	0.44	0.57	0	0.15	1.63	1.52	3.72	1.15	0.07	0.22	0.25	1.55	0.02	0	0	10.28
LASSEN CONSERVATION CTR	13.54	0.10	0.40	0	0	1.06	1.01	4.16	2.65	0.92	0.42	0.98	1.84	0	0	T	13.04
SECRET VALLEY	10.91	0.08	1.06	T	T	1.39	1.15	3.81	1.11	T	0.14	0.18	1.99	0	T	T	9.77
STANDISH 1 E	12.16	T	0.91	0	0.16	1.87	1.81	4.33	1.04	0.21	0.25	0.61	0.97	0.02	0	T	11.27
SUSANVILLE AIRPORT	21.22	0.74	0.63	0	0.26	2.47	3.85	7.79	2.55	0.36	0.54	0.34	1.69	0.13	0	T	19.98
SUSANVILLE 1 WNW	21.43	0.11	0.75	0	0.29	2.36	4.08	7.86	3.19	0.40	0.52	0.70	1.17	0.14	0	0	20.71
SUSANVILLE COURTHOUSE	22.97	0.20	0.73	0	0	2.86	4.05	7.76	3.82	0.49	0.97	0.77	1.32	0.18	0	0	22.22
WENDEL 1 E	9.20	0.25	0.36	0	0.12	1.65	0.76	3.45	0.84	0.10	0.21	0.16	1.30	0.25	0	0	8.84
WILLOW CREEK MURRER RANCH	24.35	0.38	1.35	0.08	0.92	2.71	3.69	8.32	4.02	0.30	0.62	0.48	1.48	0.33	0	0.05	22.92
HERLONG G6																	
DOYLE	15.90	0.07	0.44	T	0.26	1.82	2.06	7.19	1.15	0.04	0.30	0.73	1.84	T	0	T	15.39
DOYLE 5 SSE	26.86	0.30	1.00	0.02	0.87	2.63	2.43	13.11	2.11	0.21	0.79	1.61	1.78	0.29	0	0.01	25.84
HERLONG S O D	7.98	0.07	0.31	0	0.06	1.67	1.07	2.25	1.42	0	T	0.22	0.91	T	0	0	7.60
LONG VALLEY INSP STATION	-	0.05	0.52	T	RE												
MILFORD	23.28	T	0.62	0	0.41	3.32	3.48	11.10	1.22	0.21	0.46	0.51	1.95	0.13	0	0	22.79
MILFORD LAUFMAN R S	25.58	0.01	0.57	0	0.41	2.95	4.56	9.89	2.86	0.49	0.77	0.56	2.51	0.20	0	0	25.20
OTIS CANYON	20.99	0	1.07	0	0.33	3.23	2.88	10.84	0.78	0	0.32	0.20	1.34	0	0	0	19.92
STACY	9.25	0.12	0.29	0	0.10	1.78	0.73	3.26	1.25	0.01	0.14	0.20	1.37	0	0	0	8.84
WENDEL 10 SE	7.74	0.10	0.18	0	0	1.55	0.99	3.25	0.57	0.18	0.03	0.03	0.86	0	0	0	7.46
TRUCKEE RIVER G7																	
BOCA	33.93	0	0.74	0.30	0.57	2.41	5.21	13.02	5.33	0.73	1.35	0.20	4.07	0.35	0	0.15	33.39
D L BLISS STATE PARK	59.00	0.33	1.22	0.33	1.68	5.08	6.75	22.68	11.89	2.75	2.25	1.50	2.54	0.72	0	0.35	58.19
DONNER MEMORIAL S P	56.27	0.08	1.69	0.32	1.76	5.06	9.11	17.13	12.50	2.34	3.13	0.36	2.79	0.13	0	0	54.31
GLENBROOK, NEVADA	30.37	0.28	0.15	0.32	0.41	2.86	4.64	10.16	5.32	2.14	1.93	0.26	1.90	0.04	0	0.16	29.82
MEYERS INSPECTION STN	58.46	0.24	1.47	0.06	1.85	6.99	9.16	21.55	7.58	3.19	3.50	0.13	2.74	0.83	0	0.33	57.85
MEYERS RANGER STATION	59.87	0.31	1.52	0.15	2.21	6.62	8.46	18.78	12.37	3.94	3.39	0.14	1.98	0.37	0	0.34	58.60
MT. ROSE CHRISTMAS TREE	-	-	-	0.20	0.26	2.65	4.74	15.64	12.92	3.26	0.87	0.61	2.71	0.18	0	0	43.84
RENO, NEVADA	9.63	0.05	0.13	0.15	0.01	0.73	1.03	4.13	1.74	0.07	0.10	0.20	1.29	0.17	T	0.01	9.48
SAGEHEN CREEK	51.37	0.07	1.45	0.15	1.82	4.40	8.17	20.33	9.11	0.94	2.00	0.22	2.71	0.18	0	0.11	49.99
SQUAW VALLEY	79.35	1.11	2.59	0.40	3.07	7.57	12.56	29.74	13.70	3.93	3.14	0.09	1.45	0.05	0	0.27	75.57
TAHOE CITY	53.70	T	1.18	0.20	1.74	4.32	7.99	22.82	9.28	1.96	1.56	0.15	2.50	0.10	0	0.17	52.59
TRUCKEE RANGER STATION	50.11	T	1.06	0.34	1.22	3.52	7.92	19.69	9.57	1.56	1.92	0.69	2.62	0.98	0	0.10	49.79
CARSON RIVER G8																	
CARSON CITY, NEVADA	16.65	0.02	0.32	0.39	0.15	0.83	2.16	7.31	2.52	0.42	0.29	0.23	2.01	0.27	0	0.05	16.24
GROVER HOT SPRINGS	44.09	0.19	0.84	0.05	1.83	4.00	5.35	18.11	7.57	2.52	1.63	0.24	1.76	0.37	0	0.32	43.70
MARKLEEVILLE	35.85	0.40	0.40	0.10	0.75	2.87	4.79	13.39	6.03	1.69	3.08	0.13	2.22	0.40	0	0.23	35.58

TABLE A-2 (Cont.)
PRECIPITATION DATA

Precipitation in Inches

Station Name	Total July 1 to June 30	1968						1969									Total Oct. 1 to Sept. 30
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
NORTH LAHONTAN AREA																	
CARSON RIVER G8																	
MINDEN, NEVADA	11.98	0.22	T	0.22	0.13	0.67	1.76	4.50	2.43	0.52	0.14	T	1.39	0.19	0	0.17	11.90
VIRGINIA CITY, NEVADA	23.17	T	0.89	0.14	0.19	1.59	2.02	9.78	4.16	1.47	0.14	0.24	2.55	0.13	0	0.05	22.32
WOODFORDS	30.66	0.37	0.34	0.08	0.76	3.09	3.40	12.83	4.82	1.51	1.26	0.14	2.06	0.19	0	0.25	30.31
WALKER RIVER G9																	
BODIE	22.18	2.47	0.34	0.09	T	0.85	2.07	5.74	5.48	0.79	0.32	1.01	3.02	0.40	0.30	0.03	20.01
BRIDGEPORT	20.76	0.69	0.26	0.47	0.09	0.99	2.68	7.69	5.61	0.79	0.42	0.10	0.97	0.28	0.11	0.02	19.75
BRIDGEPORT RANGER STN	23.70	0.49	0.05	0.43	0.30	1.58	2.65	9.80	5.70	0.43	0.56	0.12	1.49	0.33	0.02	0	23.08
SONORA JUNCTION	24.25	1.25	0.24	0.23	0.37	1.72	2.69	10.07	4.69	4.43	0.68	0.63	1.25	1.08	0.02	0.28	23.91
TOPAZ LAKE	-	0.17	0.48	0.23	0.11	RE											
TOPAZ LAKE, NEVADA	16.46	0.66	0.01	0.18	0.07	0.72	1.57	7.41	2.63	0.28	0.20	0.98	1.75	1.31	0	0.02	16.94
WELLINGTON R S, NEVADA	14.64	0.12	0.07	0.07	0.13	0.46	1.20	6.83	2.24	0.26	0.20	0.67	2.39	0.41	0	0	14.79
SOUTH LAHONTAN AREA																	
MONO LAKE V0																	
CONWAY SUMMIT	33.45	0.98	T	0.40	0.20	2.38	4.04	15.23	7.49	1.19	1.41	0	0.13	0.32	0.33	T	32.72
MONO LAKE	20.82	1.21	0.24	0.10	0.13	1.05	3.08	8.51	3.50	0.31	0.54	0.05	2.10	0.64	0.31	0.05	20.27

TABLE A-3

STORAGE GAGE PRECIPITATION DATA

NORTHEASTERN CALIFORNIA

Station	Agency	1968-69 Season		
		Measurement Period		Precipitation in Inches
SACRAMENTO RIVER BASIN				
PIT RIVER A1				
BLACKS MOUNTAIN	DWR Northern District	8-21-68	8- 6-69	29.64
BUTTE LAKE	DWR Northern District	7- 3-68	7- 2-69	54.20
DEAD HORSE RESERVOIR 2 SE *	DWR Northern District	7-17-68	8-13-69	15.60
LASSEN CREEK UPPER	DWR Northern District	7-17-68	8-13-69	30.13
LONG BELL STATION	DWR Northern District	7-18-68	7-11-69	35.90
MEDICINE LAKE	DWR Northern District	8-20-68	7-10-69	52.13
PATTERSON MEADOW	DWR Northern District	7-16-68	8-12-69	33.85
PEPPERDINES CAMP	DWR Northern District	7-16-68	8-14-69	32.34
SWEAGERT FLAT	DWR Northern District	7-15-68	8-11-69	30.26
SHASTA LAKE A2				
MT. SHASTA SLOPE	DWR Northern District	7-10-68	7-10-69	77.05
STOUTS MEADOW	DWR Northern District	7-11-68	7-10-69	115.89
SACRAMENTO VALLEY WEST SIDE A3				
ALDER SPRINGS	COE Sacramento District	7-25-68	6-17-69	48.68
BALL MOUNTAIN LOOKOUT	DWR Northern District	8-15-68	7-24-69	82.22
LOG SPRING	COE Sacramento District	7-25-68	6-16-69	42.99
NOEL SPRING	COE Sacramento District	7-25-68	6-17-69	51.68
SADDLE CAMP RANGER STATION	DWR Northern District	8-22-68	7-23-69	38.86
TROUGH SPRING	COE Sacramento District	7-26-68	6-18-69	63.67
SACRAMENTO VALLEY NORTHEAST A4				
DEER CREEK FLAT	DWR Northern District	8-16-68	7-24-69	47.70
DEWITT PEAK 2 WSW	DWR Northern District	8-16-68	7-25-69	41.79
HOGBACK ROAD	DWR Northern District	8-13-68	7-25-69	38.31
MCCARTHY POINT	DWR Northern District	8-14-68	7-23-69	57.55
TWENTY MILE HOLLOW	DWR Northern District	8-14-68	7-23-69	41.16
FEATHER RIVER A5				
BOULDER CREEK GUARD STATION	DWR Central District	6-26-69	10- 1-69	0.51
CAMEL PEAK	DWR Central District	9-24-68	9-29-69	85.79
CLARKS PEAK 1 NE	DWR Central District	9-25-68	10- 1-69	31.48
CLOVER VALLEY	DWR Central District	9-26-68	6-26-69	33.77
		6-26-69	10- 2-69	0.10
GRANITE SPRINGS	DWR Central District	9-26-68	6-25-69	26.80
		6-25-69	10- 2-69	2.60
LIGHTS CREEK	DWR Central District	9-25-68	10- 1-69	48.20
LITTLE LAST CHANCE VALLEY	DWR Central District	9-26-68	10- 2-69	25.04
MT. HOUGH SNOW COURSE	DWR Central District	9-25-68	9-30-69	63.80
ONION VALLEY **	DWR Central District	9-24-68	9-30-69	83.01
SWAIN MOUNTAIN **	DWR Central District	9-25-68	10- 1-69	43.45
THREE MILE VALLEY	DWR Central District	9-27-68	10- 2-69	53.64
YUBA-BEAR RIVERS A6				
CAMP PIONEER SKI SHELTER	US Forest Service	9-30-68	10- 4-69	NR
SODA SPRINGS 1 E	COE Sacramento District	7-19-68	8- 8-69	93.01

* Gage leaking, replaced.
**Evidence gage capped during winter.

TABLE A-3 (Continued)

STORAGE GAGE PRECIPITATION DATA

NORTHEASTERN CALIFORNIA

Station	Agency	1968-69 Season		
		Measurement Period		Precipitation in Inches
SACRAMENTO RIVER BASIN (Continued)				
AMERICAN RIVER A7				
BRUSHY SPRINGS GUARD STATION	DWR Central District	10- 8-68	10- 7-69	72.81
FORNI RIDGE	DWR Snow Surveys	9-25-68	10- 1-69	56.46
GERLE CREEK CAMP	DWR Central District	10- 4-68	10- 9-69	75.44
ROBERTSON FLAT	DWR Central District	10- 1-68	10- 7-69	99.49
THE CEDARS	DWR Central District	10- 1-68	10- 3-69	78.80
WESTVILLE	DWR Central District	10- 1-68	10- 7-69	77.78
WRIGHTS LAKE	DWR Central District	10- 4-68	10- 9-69	76.20
WRIGHTS LAKE SNOW COURSE	DWR Snow Surveys	9-25-68	10- 1-69	57.87
SAN JOAQUIN RIVER BASIN				
COSUMNES RIVER B1				
LUMBERYARD	DWR Central District	10- 4-68	10-10-69	90.75
MOKELUMNE-CALAVERAS RIVERS B2				
HIGHLAND LAKES	DWR San Joaquin District	7-10-68	8- 6-69	43.90
NORTH LAHONTAN AREA				
MADELINE PLAINS G2				
DODGE RESERVOIR 3 NNE	DWR Northern District	7-16-68	8-12-69	14.33
EAGLE LAKE G3				
CHAMPS FLAT	DWR Northern District	7-15-68	8- 6-69	25.90
TRUCKEE RIVER G7				
BROCKWAY SUMMIT	COE Sacramento District	7-19-68	8- 8-69	44.78
INDEPENDENCE CAMP	US Soil Conservation	10-29-68		NR
LOWER MEADOW	USFS Inter Mountain	10- 1-68	5-31-69	52.20
		5-31-69	9-30-69	2.26
SECOND SUMMIT	USFS Inter Mountain	10- 1-68	5-31-69	49.11
		5-31-69	9-30-69	2.93

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-5 (Cont.)
EVAPORATION DATA

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

Station Name		Total July 1 to June 30	1968 July	1968 Aug	1968 Sept	1968 Oct.	1968 Nov	1968 Dec.	1969 Jan.	1969 Feb.	1969 Mar	1969 Apr.	1969 May	1969 June	1969 July	1969 Aug	1969 Sept.	Total Oct 1 to Sept 30
SACRAMENTO RIVER BASIN																		
SACRAMENTO VALLEY FLOOR A0																		
AEROJET	EVAP		13.20	12.04	8.75	5.86	1.99											
CHICO EXPERIMENTAL STN	EVAP	-	11.12	8.16	7.12	3.46	0.92	-	-	-	3.56	5.01	7.33	8.64	10.36	9.80	7.51	-
	WIND	16128	1276	1430	952	1079	880	1302	1671	1746	1183	1489	1662	1458	1105	1009	1036	15620
DAVIS 2 WSW	EVAP	84.08	13.70	11.17	10.78	5.43	2.00	1.32	1.46	1.70	5.11	7.85	12.32	11.24	13.07	11.99	8.76	82.25
	WIND	35252	2877	3219	3135	2227	2310	2676	3248	2694	2776	3409	3642	3039	2007	1301	1211	30540
	AVG MAX	72.7	92.7	86.6	85.7	73.4	60.0	51.0	50.0	55.5	68.1	75.1	85.9	88.2	94.3	93.5	87.9	73.6
	AVG MIN	49.2	59.0	57.9	56.6	49.9	45.4	38.6	39.3	41.2	43.8	47.9	53.7	57.2	59.4	59.5	57.9	49.5
LAKE SOLANO	EVAP	81.31	13.00	10.69	10.11	5.88	1.99	1.26	1.42	1.73	5.41	7.18	11.30	11.34	13.15	12.46	9.15	82.27
	WIND	26277	1766	2263	2198	1975	1484	1756	2040	1748	2370	2579	3043	3055	1629	1439	1514	24632
RED BLUFF 5 E	EVAP	61.52	9.42	7.43	7.36	3.90	1.53	0.84	1.00	1.44	3.96	5.15	9.75	9.74	10.53	8.76	6.42	63.02
	WIND	18063	715	1087	1311	1293	1248	1789	2257	2196	1663	1341	1703	1460	-	-	-	-
THERMALITO AFTERBAY *	EVAP	78.06	13.73	11.19	9.98	5.61	2.38	1.92	1.14	1.95	3.68	5.12	10.37	10.99	12.85	12.17	9.19	77.37
WILLOWS USBR	EVAP	72.84	11.89	8.65	9.14	4.96	1.66	1.31	1.43	1.49	4.35	6.63	11.09	10.24	11.62	11.46	7.78	74.02
	WIND	20526	1428	1604	1875	1452	1185	1665	2164	1880	1646	1538	2264	1825	1307	1115	959	19000
	AVG MAX	-	94.8	90.9	-	72.4	-	-	50.6	55.5	-	77.5	-	89.6	-	-	89.9	-
	AVG MIN	-	64.9	61.9	-	51.1	-	-	38.7	40.9	-	49.4	-	61.0	-	-	60.8	-
SHASTA LAKE A2																		
LAKESHORE	EVAP	-	10.30	7.12	6.88	3.52	1.32	-	-	-	3.62	4.46	7.40	6.79	10.34	10.30	6.83	-
	WIND	9762	915	818	703	661	581	637	886	630	1014	1031	1079	807	996	1028	907	10257
SHASTA DAM	EVAP	57.56	10.16	7.15	7.40	4.53	1.75	1.36	1.23	0.93	3.47	4.47	8.06	7.05	11.14	10.74	7.39	62.12
	WIND	18619	1740	1721	1608	1628	1288	1337	1566	1186	1618	1579	1819	1529	1925	1980	1764	19219
TURNTABLE CREEK	EVAP	-	10.08	7.76	8.40	4.73	1.77	-	-	1.13	3.97	4.78	7.81	7.17	9.57	10.59	7.29	-
	WIND	11888	823	1008	1273	1161	919	788	832	744	1015	1109	1229	987	1133	1195	973	12085
SACRAMENTO VALLEY WEST SIDE A3																		
BLACK BUTTE DAM	EVAP	82.16	13.30	13.10	9.84	5.23	2.03	1.31	0.93	1.33	4.90	6.29	12.20	11.70	14.79	14.36	9.86	84.93
	WIND	23705	1286	1532	1465	1704	1494	1979	2171	2573	2306	2154	2705	2336	1802	1700	1331	24255
	AVG MAX	73.1	96.4	95.4	87.9	74.4	58.4	48.4	49.3	51.8	66.3	74.5	86.9	87.4	93.7	92.0	86.5	72.4
	AVG MIN	50.7	67.4	67.4	61.8	51.2	44.5	37.0	37.1	39.2	41.8	45.8	55.2	59.8	64.6	62.7	59.5	49.9
EAST PARK RESERVOIR	EVAP	76.64	13.31	10.59	9.52	5.51	1.71	1.21	1.40	1.58	4.29	6.22	10.94	10.36	13.97	13.12	9.36	79.67
NEWVILLE 1 E	EVAP	78.71	14.63	10.66	11.10	6.22	2.23	0.99	1.20	1.32	1.58	5.71	12.12	10.95	14.86	13.92	9.84	80.94
	WIND	17364	1199	1490	1668	1193	1006	1199	1397	1298	1792	1408	2006	1708	1197	1114	911	16229
STONY GORGE	EVAP	66.75	12.59	9.61	8.67	4.64	1.46	1.06	0.91	1.15	3.84	4.94	9.11	8.77	12.38	11.36	7.87	67.49
WHISKEYTOWN RESERVOIR	EVAP	-	11.54	7.95	7.46	3.48	1.12	-	-	0.46	3.26	4.46	8.51	8.09	11.79	11.60	7.45	-
	WIND	10277	741	792	828	755	585	787	958	860	1057	955	951	1008	941	1067	941	10865
FEATHER RIVER A5																		
BOULDER CREEK GUARD STN	EVAP	-	8.94	5.92	5.96	-	-	-	-	-	-	-	-	4.98	7.53	7.86	5.91	-
ENTERPRISE OWID *	EVAP	52.80	10.37	8.22	7.18	3.45	1.13	0.76	0.66	0.75	2.62	3.71	6.78	7.17	10.26	10.95	8.17	56.41
FOREMAN CREEK	EVAP	63.96	12.45	9.48	9.44	4.57	1.50	1.34	0.62	0.54	3.42	4.51	8.00	8.09	11.06	11.81	9.33	64.79
	AVG MAX	71.9	90.9	85.5	83.7	70.1	59.2	49.0	49.6	51.9	65.4	77.8	90.0	89.3	92.4	90.1	85.1	72.4
	AVG MIN	47.8	59.8	59.8	52.5	46.8	42.5	36.8	37.6	38.7	40.6	46.1	54.2	58.5	61.4	56.0	54.1	47.8
FOREMAN CREEK *	EVAP	53.89	10.93	8.89	8.31	4.11	1.55	1.49	0.89	0.64	2.78	3.10	5.06	6.14	8.98	10.28	8.11	53.13
OROVILLE DAM	EVAP	64.88	12.83	9.14	7.97	4.29	1.40	0.88	0.66	0.83	3.70	5.06	9.16	8.96	12.61	12.82	9.17	69.54
	WIND	13112	849	960	691	1024	688	1208	1608	1494	1152	1299	1180	959	1104	1142	918	13776
	AVG MAX	73.0	95.1	88.1	87.4	72.5	57.3	48.5	48.3	51.1	67.2	77.0	90.8	92.4	97.4	95.5	88.7	73.9
	AVG MIN	52.2	64.1	63.5	63.3	53.3	46.7	39.7	40.1	41.1	44.3	49.6	58.2	62.6	66.0	62.9	60.2	52.1
OROVILLE DAM *	EVAP	59.15	11.20	8.95	8.02	4.61	1.94	1.09	0.62	0.71	2.75	4.01	7.44	7.81	10.82	12.02	8.50	62.32
PARISH CAMP *	EVAP	58.42	12.27	9.25	9.15	4.41	1.58	1.47	1.20	0.82	2.37	2.32	5.95	7.63	11.46	12.45	9.15	60.81
VINTON	EVAP	-	13.73	9.58	8.79	-	-	-	-	-	-	-	9.66	7.91	12.10	12.48	8.88	-
	WIND	-	2617	2551	2234	-	-	-	-	-	-	-	2590	2070	1857	2053	2010	-
YUBA-BEAR RIVERS A6																		
LAKE SPAULDING DAM	EVAP	-	12.67	9.29	8.70	-	-	-	-	-	-	-	-	6.84	10.95	12.40	6.65	-
AMERICAN RIVER A7																		
BLODGETT EXPTL FOREST	EVAP	-	7.29	5.00	4.76	1.82	-	-	-	-	-	-	4.24	3.80	6.07	6.11	4.24	-
	WIND	-	194	231	230	131	-	-	-	-	-	-	384	221	185	130	167	-
	AVG MAX													RB	88.5	84.9	78.7	-
	AVG MIN													RB	61.5	59.2	55.8	-
FOLSOM DAM	EVAP	62.55	11.62	9.03	8.03	4.05	1.68	0.82	0.40	0.89	3.52	5.11	8.79	8.61	11.43	10.83	8.26	64.39
	WIND	8198	209	273	280	247	198	586	1018	2309	1260	809	566	443	95	72	118	7721
PLACERVILLE I F G	EVAP	-	9.42	7.06	6.88	3.37	1.54	-	-	0.52	3.11	4.17	6.54	5.94	8.71	9.66	6.73	-
	WIND	11159	702	830	938	745	911	1210	1427	1106	1161	1002	586	541	762	982	745	11178

* Young Pan.

TABLE A-5 (Cont.)
EVAPORATION DATA

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

Station Name		Total July 1 to June 30	1968 July	1968 Aug	1968 Sept	1968 Oct	1968 Nov	1968 Dec	1969 Jan.	1969 Feb	1969 Mar	1969 Apr	1969 May	1969 June	1969 July	1969 Aug	1969 Sept	Total Oct 1 to Sept 30
SACRAMENTO RIVER BASIN																		
CACHE CREEK A8																		
FINLEY 1 SSE	EVAP	47.04	8.86	5.76	5.41	1.84	0.90	0.76	0.65	0.72	3.31	4.44	7.45	6.94	8.82	8.34	5.96	50.13
	WIND	7856	371	409	391	399	360	784	858	928	798	882	885	791	385	331	299	7700
	AVG MAX	71.0	92.7	86.7	83.9	70.1	56.7	48.5	49.3	51.1	65.1	73.3	86.1	88.0	95.5	93.1	85.7	71.9
	AVG MIN	46.6	58.2	56.4	52.9	44.5	41.2	36.5	37.3	38.4	38.9	44.4	51.8	58.1	60.2	57.6	55.4	47.0
LAKEPORT	EVAP	40.50	8.79	5.19	5.65	1.98	0.39	0.02	0.09	0.05	2.33	3.44	6.37	6.20	8.90	8.59	5.75	44.11
	WIND	3758	200	195	163	109	194	388	293	465	461	373	438	479	362	346	333	4241
PUTAH CREEK A9																		
BERRYESSA LAKE	EVAP	73.18	13.71	10.31	9.44	4.51	2.05	1.55	1.03	1.32	4.04	5.88	9.56	9.78	13.47	12.68	8.54	74.41
	WIND	22048	1999	2199	2081	1669	1539	2027	2119	1795	1724	1452	1624	1820	1579	1407	1271	20026
	AVG MAX	72.6	93.7	87.1	86.0	72.8	60.5	49.5	50.1	53.0	67.6	75.7	87.8	86.9	94.6	93.5	86.2	73.2
	AVG MIN	49.8	61.7	59.3	57.7	50.5	46.4	39.5	39.4	40.1	42.8	47.4	54.3	58.3	62.0	60.4	57.9	49.9
MONTICELLO DAM	EVAP	60.77	11.75	9.03	8.07	3.75	1.59	0.81	0.57	0.95	3.46	4.57	7.91	8.31	10.97	10.65	7.58	61.12
	WIND	-	430	498	-	357	406	558	512	507	371	335	498	556	434	317	329	5180
	AVG MAX	74.4	95.9	90.0	88.9	74.9	62.0	50.7	51.8	53.5	68.3	76.6	89.6	90.4	97.6	96.6	88.9	75.1
	AVG MIN	49.9	60.8	60.2	58.0	50.7	46.0	39.5	39.1	40.3	42.2	47.3	55.2	59.7	62.5	60.7	58.8	50.2
SAN JOAQUIN RIVER BASIN																		
SAN JOAQUIN VALLEY FLOOR B0																		
CAMANCHE NORTH STATION	EVAP	76.27	12.86	10.22	9.24	5.19	2.30	2.46	1.81	2.38	4.26	5.93	9.86	9.76	13.20	12.73	9.23	79.11
CAMANCHE SOUTH STATION	EVAP	73.56	13.33	10.63	9.23	5.07	1.90	1.48	1.69	2.28	3.59	5.77	9.08	9.51	12.90	12.31	8.52	74.10
LODI	EVAP	66.02	11.14	8.55	7.74	3.96	1.63	1.40	1.02	1.73	4.08	6.20	9.45	9.12	11.42	9.17	7.38	66.56
	WIND	19783	1616	1698	1663	1018	1230	1505	1776	1596	1443	1760	2129	2349	1720	1235	1220	18981
	AVG MAX	70.1	90.8	86.0	82.6	70.6	56.4	46.5	46.7	50.6	67.6	74.4	84.7	84.3	90.9	92.0	82.9	70.6
	AVG MIN	48.6	59.9	57.7	55.7	48.9	45.2	37.5	39.8	40.7	43.3	46.9	52.3	55.6	58.9	59.6	57.3	48.8
MANTECA	EVAP	65.81	11.62	8.59	6.31	3.59	1.66	1.16	1.05	1.45	3.75	6.58	9.80	10.25	11.93	11.48	7.81	70.51
	WIND	20992	1931	1827	1626	1162	1325	1770	2275	2071	1175	1860	1927	2043	1297	1179	1127	19211
	AVG MAX	70.8	91.6	86.2	78.6	70.5	59.3	48.5	49.3	53.3	66.7	74.9	85.5	85.7	91.3	91.8	86.9	72.0
	AVG MIN	49.7	59.8	58.5	55.5	50.2	46.4	38.4	40.8	41.9	45.6	48.1	53.3	57.7	62.7	60.4	59.4	50.4
THORNTON 3 SSE	EVAP	-	10.75	7.01	6.90	2.49	1.79	0.91	RE									
MOKELUMNE-CALAVERAS RIVERS B2																		
CAMP PARDEE	EVAP	54.06	11.04	8.09	6.31	3.09	0.93	0.81	0.42	0.89	2.46	4.32	7.55	8.15	11.27	10.38	6.71	56.98
	WIND	6647	621	614	515	402	400	593	642	613	546	531	573	597	592	535	511	6535
HOGAN DAM	EVAP	73.14	13.74	10.48	9.23	5.44	1.68	1.35	0.90	1.47	4.10	5.89	9.27	9.59	13.59	12.93	9.63	75.84
	WIND	-	1543	1570	1512	1611	-	1852	2083	2079	1641	1409	1146	1229	1368	1388	1330	-
	AVG MAX	72.2	92.0	86.6	84.9	73.4	60.9	50.1	50.2	53.9	66.3	75.3	86.1	86.9	92.8	91.2	86.5	72.8
	AVG MIN	50.0	61.9	59.4	56.3	50.8	46.2	37.8	40.1	40.7	43.3	48.5	55.5	59.3	62.2	60.6	59.3	50.4
JACKSON 1 NW	EVAP	60.91	11.88	9.10	7.77	4.23	1.36	0.77	0.77	0.76	3.51	4.58	7.33	8.85	11.64	11.81	8.22	63.83
	WIND	8837	685	709	683	564	544	744	816	798	976	841	531	946	951	909	853	9473
	AVG MAX	66.8	87.8	82.1	79.1	68.0	56.3	45.6	44.7	47.5	61.0	69.9	81.1	78.8	84.9	83.0	78.3	66.6
	AVG MIN	47.5	59.9	56.8	53.6	47.3	41.2	34.1	37.0	38.3	41.6	47.0	54.3	58.3	62.1	60.6	59.0	48.4
SALT SPRINGS POWERHOUSE	EVAP	-	10.62	8.09	8.98	5.18	2.28	-	-	-	3.40	4.34	6.83	5.27	9.55	10.79	7.08	-
SAN JOAQUIN VALLEY WEST SIDE B8																		
ANTIOCH PUMPING PLANT 3	EVAP	69.66	11.50	9.08	8.26	4.29	1.72	1.17	1.22	1.41	4.53	6.43	10.08	9.97	11.48	10.55	7.97	70.82
SACRAMENTO-SAN JOAQUIN DELTA B9																		
BRANNAN ISLAND	EVAP	76.89	14.05	10.39	9.56	4.34	1.70	1.34	1.13	1.25	4.45	6.57	10.63	11.48	12.58	12.55	9.70	77.72
	WIND	33366	4996	4070	3480	2140	1303	1492	1835	1530	2263	2627	3810	3820	2793	2212	3657	29482
TRACY PUMPING PLANT	EVAP	92.66	16.96	13.02	10.97	6.06	2.50	1.41	1.38	1.45	5.27	7.78	12.54	13.32	17.89	15.89	11.11	96.60
	WIND	-	6177	5559	4954	3079	823	613	887	1009	815	776	-	7394	5175	3817	3480	-
NORTH LAHONTAN AREA																		
SURPRISE VALLEY G1																		
CEDARVILLE 12 SE	EVAP	-	15.26	7.64	8.86	4.44	-	-	-	-	-	-	-	7.86	13.69	13.40	9.47	-
	WIND	22605	1772	1895	1709	1997	1556	1674	2614	1393	1976	2336	2126	1557	1699	1792	1555	22275
SUSAN RIVER G4																		
FLEMING FISH AND GAME	EVAP	-	10.23	7.27	6.82	3.82	-	-	-	-	-	5.78	8.41	7.44	10.08	9.67	7.00	-
	WIND	-	858	771	681	937	-	-	-	-	-	1808	1202	1088	978	673	670	-
TRUCKEE RIVER G7																		
BOCA	EVAP	-	10.46	8.25	7.26	-	-	-	-	-	-	-	-	7.74	9.96	10.42	7.02	-
	WIND	-	983	1202	903	1109	-	-	-	-	-	-	-	832	886	851	786	-
MEYERS RANGER STATION	EVAP	-	-	7.25	5.89	-	-	-	-	-	-	-	-	4.98	8.11	8.92	5.79	-
TAHOE CITY	EVAP	-	7.38	4.78	3.56	1.82	-	-	-	-	-	-	-	5.37	6.80	5.71	3.40	-
	WIND	-	388	-	-	784	-	-	-	-	-	-	-	641	192	144	492	-

TABLE A-5 (Cont.)

EVAPORATION DATA

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

Station Name		Total July 1 to June 30	1968						1969									Total Oct 1 to Sept 30
			July	Aug	Sept	Oct	Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June	July	Aug	Sept.	
NORTH LAHONTAN AREA																		
WALKER RIVER G9																		
TOPAZ LAKE, NEVADA	EVAP	-	12.91	10.92	9.23	6.14	-	-	-	-	-	7.39	10.65	9.28	11.08	12.02	9.09	-
	WIND	-	1481	1915	1586	1681	-	-	-	-	-	1518	1534	1086	919	1062	1189	-
	AVG MAX	-	86.6	81.1	76.1	65.3	-	-	-	-	-	69.5	79.9	81.7	89.4	88.2	79.8	-
	AVG MIN	-	57.9	52.8	46.6	39.5	-	-	-	-	-	39.8	47.6	52.6	58.5	56.5	51.5	-

Appendix B

SURFACE WATER MEASUREMENT

INTRODUCTION

This appendix contains surface water data for the 1969 water year, which is from October 1, 1968, to September 30, 1969. 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.

Sacramento River Basin

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

San Joaquin River Basin

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

North Lahontan Area

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

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French Camp Slough 182
Miscellaneous Delta Uplands 189
Mokelumne River 185
Old River 181
Putah Creek 188
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San Joaquin River - Stockton to Vernalis 183
Tom Paine Slough 181
Yolo Bypass - West Cut 187
Feather River 176
Knights Landing Ridge Cut 170
Lower Butte Creek and Butte Slough 171
Mokelumne River 191
Putah Creek 180
Sacramento River
Butte City to Red Bluff 168
Colusa to Butte City 167
Knights Landing to Wilkins Slough 165
Red Bluff to Redding 169
Sacramento to Verona 162
Verona to Knights Landing 163
Wilkins Slough to Colusa 166
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Deliveries from Old River 194
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	Streamflow and Station Description	Stage, Tide, Crests, and Station Description	Station Code Number
	Page	Page	
American River at Fair Oaks	-	235	A07175
American River at Sacramento	-	236	A07140
Ash Creek at Adin	70	-	A18350
Bear Creek near Lodi	142	-	B02010
Bear Creek near Rumsey	127	-	A81250
Bear River near Wheatland	-	230	A06550
Bidwell Creek near Fort Bidwell	154	-	G12200
Big Chico Creek at Chico	80	-	A04250
Burney Creek near Burney	71	-	A15150
Butte Creek near Durham	88	-	A04265
Butte Slough near Meridian	103	217	A02972
Butte Slough at Outfall Gates	91	207	A02967
Cache Creek above Rumsey	128	-	A81200
Cache Creek at Yolo	-	238	A08125
Calaveras River near Stockton	139	-	B02520
Cedar Creek at Cedarville	155	-	G15150
Cherokee Canal near Richvale	90	206	A02984
Clover Creek Bypass near Upper Lake	126	-	A81940
Colusa Basin Drain near College City	-	214	A00180
Colusa Basin Drain at Highway 20	98	213	A02976
Colusa Basin Drain at Knights Landing	99	215	A02945
Colusa Weir Spill to Butte Basin	86	-	A02981
Contra Costa Canal near Oakley	152	-	B95910
Cosumnes River at McConnell	148	244	B01125
Cosumnes River at Michigan Bar	-	243	B11150
Deer Creek near Sloughhouse	147	-	B01580
Delta-Mendota Canal near Tracy	151	-	B95925
Dry Creek near Galt	146	-	B01520
Dry Creek near Ione	145	-	B21150
Dry Creek at Roseville	122	-	A00047
Duck Creek near Stockton	138	-	B02835
Duck Creek Diversion near Farmington	134	-	B02920
Eagle Creek at Eagleville	156	-	G17150
Eagle Lake near Susanville	-	245	G32100
Feather River near Gridley	118	225	A05165
Feather River at Nicolaus	-	231	A05103
Feather River at Oroville	116	224	A05191
Feather River below Shanghai Bend	120	229	A05120
Feather River at Yuba City	-	226	A05135
Fremont Weir Spill to Yolo Bypass (1968)	101	-	A02930

ALPHABETICAL INDEX TO SURFACE WATER MEASUREMENT STATIONS (Continued)

	Streamflow and Station Description Page	Stage, Tide, Crests, and Station Description Page	Station Code Number
Fremont Weir Spill to Yolo Bypass (1969)	102	-	A02930
French Camp Slough near French Camp	136	-	B02805
Grant Line Canal at Tracy Road Bridge	-	270	B95300
Grindstone Creek near Elk Creek	82	-	A31302
Indian Creek near Boulder Creek Guard Station	111	-	A54470
Indian Creek near Taylorsville	114	-	A54370
Italian Slough near Byron	-	268	B95280
Italian Slough near Mouth	-	269	B95278
Kellogg Creek near Byron	150	-	B89200
Lassen Creek near Willow Ranch	68	-	A13060
Last Chance Creek at Dixie Refuge Damsite	113	-	A54750
Lindo Channel near Chico	81	-	A00600
Little Chico Creek near Chico	89	-	A04280
Little Chico Creek Diversion near Chico	87	-	A04910
Littlejohn Creek at Farmington	135	-	B02870
Little Potato Slough at Terminous	-	277	B94120
Long Valley Creek near Doyle	158	-	G61200
Marsh Creek near Byron	153	-	B89100
Middle Creek near Upper Lake	124	-	A81810
Middle Fork Feather River near Portola	110	-	A55420
Middle River at Bacon Island	-	264	B95460
Middle River at Borden Highway	-	263	B95500
Middle River at Mowry Bridge	-	262	B95540
Mokelumne River at Woodbridge	143	242	B02105
Mokelumne River near Thornton	-	274	B94175
Mormon Slough at Bellota	140	-	B02560
Morrison Creek near Sacramento	149	-	A00020
Moulton Weir Spill to Butte Basin	84	-	A02986
Mud Creek near Chico (1968)	77	-	A04242
Mud Creek near Chico (1969)	78	-	A04242
Mud Creek Diversion at Chico	79	-	A00928
North Fork Cottonwood Creek near Igo	72	-	A03545
North Fork Mokelumne River near Isleton	-	276	B94115
North Honcut Creek near Bangor	119	-	A05735
Old River near Byron	-	271	B95270
Old River at Clifton Court Ferry	-	267	B95340
Old River near Rock Slough	-	273	B95180
Old River near Tracy Road Bridge	-	265	B95380
Palermo Canal at Oroville Dam	115	-	A56911
Pine Creek near Alturas	69	-	A14100

ALPHABETICAL INDEX TO SURFACE WATER MEASUREMENT STATIONS (Continued)

	Streamflow and Station Description Page	Stage, Tide, Crests, and Station Description Page	Station Code Number
Pine Creek near Susanville	157	-	G31150
Pope Creek near Pope Valley	129	-	A95010
Putah Creek near Winters	-	240	A91250
Reclamation District 70 Drainage to Sacramento River	93	-	A02965
Reclamation District 108 Drainage to Sacramento River	96	-	A02933
Reclamation District 787 Drainage to Colusa Basin Drain	100	-	A02950
Reclamation District 787 Drainage to Sacramento River	97	-	A02955
Reclamation District 1500 Drainage to Sacramento Slough	108	-	A02926
Reclamation District 1660 Drainage to Sutter Bypass	106	-	A05922
Reclamation District 1660 Drainage to Tisdale Bypass	107	-	A02963
Red Bank Creek near Red Bluff	74	-	A03460
Red Clover Creek above Abbey Bridge Damsite	112	-	A54455
Rock Slough at Contra Costa Canal Intake	-	272	B95220
Sacramento River above Bend Bridge near Red Bluff	-	197	A02788
Sacramento River at Butte City	-	201	A02500
Sacramento River at Collinsville	-	256	B91110
Sacramento River at Colusa	-	205	A02420
Sacramento River at Colusa Weir	-	204	A02430
Sacramento River at Elkhorn Ferry	-	233	A02112
Sacramento River near Freeport	-	249	B91850
Sacramento River at Fremont Weir East End	-	223	A02160
Sacramento River at Fremont Weir West End	-	222	A02170
Sacramento River at Hamilton City	76	199	A02630
Sacramento River at Keswick	-	196	A21010
Sacramento River at Knights Landing	-	216	A02200
Sacramento River at Meridian	92	208	A02380
Sacramento River at Moulton Weir	-	202	A02445
Sacramento River opposite Moulton Weir	85	203	A02450
Sacramento River at Ord Ferry	83	200	A02570
Sacramento River at Reclamation District 70 Pumping Plant	-	209	A02320

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 above Reclamation District 108 Pumping Plant	95	-	A02250
Sacramento River at Rio Vista	-	254	B91210
Sacramento River near Rough and Ready Bend	-	212	A02240
Sacramento River at Sacramento	123	234,248	A02100
Sacramento River at Sacramento Weir	-	247	A02105
Sacramento River at Snodgrass Slough	-	250	B91750
Sacramento River at Tisdale Weir	-	210	A02301
Sacramento River at Verona	-	232	A02150
Sacramento River at Vina Bridge	75	198	A02700
Sacramento River at Walnut Grove	-	251	B91650
Sacramento River below Wilkins Slough	-	211	A02280
Sacramento Slough at Sacramento River	109	-	A02925
Sacramento Weir Spill to Yolo Bypass	121	-	A02903
San Joaquin River at Antioch	-	281	B95020
San Joaquin River at Brandt Bridge	-	258	B95740
San Joaquin River at Mossdale Bridge	-	257	B95820
San Joaquin River at Rindge Pump	-	260	B95620
San Joaquin River at San Andreas Landing	-	279	B95100
San Joaquin River at Venice Island	-	261	B95580
San Joaquin River near Vernalis	132	241	B07020
Scotts Creek at Eickhoff Road near Lakeport	125	-	A81845
Scotts Creek at Upper Lake	-	237	A81820
South Fork Cottonwood Creek near Cottonwood	73	-	A03595
South Fork Mokelumne River at Hog Slough	-	278	B94130
South Fork Mokelumne River at New Hope Bridge	-	275	B94150
South Fork Putah Creek near Davis	130	-	A09115
South San Joaquin Irrigation District Drain 11 near Manteca	133	-	B00915
South San Joaquin Irrigation District Main Drain near French Camp	137	-	B00908
State Pumping Plant 2 Drainage to Sutter Bypass	105	-	A05921
Stockton Diverting Canal at Stockton	141	-	B02580

ALPHABETICAL INDEX TO SURFACE WATER MEASUREMENT STATIONS (Continued)

	Streamflow and Station Description Page	Stage, Tide, Crests, and station Description Page	Station Code Number
Stockton Ship Channel at Burns Cutoff	-	259	B95660
Suisun Bay at Benicia	-	282	E03300
Sutter Bypass at Long Bridge	-	218	A05935
Sutter Bypass at Reclamation District 1500 Pumping Plant	-	221	A02927
Sutter Creek near Sutter Creek	144	-	B21160
Thermalito Afterbay Release to Feather River near Oroville	117	-	A05975
Three Mile Slough at Sacramento River	-	255	B91160
Three Mile Slough at San Joaquin River	-	280	B95060
Tisdale Bypass at Reclamation District 1660 Pumping Plant	-	220	A02308
Tisdale Weir Spill to Sutter Bypass	94	-	A02960
Tom Paine Slough above Mouth	-	266	B95420
Wadsworth Canal near Sutter	104	219	A05929
Yolo Bypass at Liberty Island	-	253	B91500
Yolo Bypass near Lisbon	-	252	B91560
Yolo Bypass near Woodland	131	239	A02935
Yuba River at Englebright Dam	-	227	A61430
Yuba River near Marysville	-	228	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	149	-
0047	Dry Creek at Roseville	122	-
0180	Colusa Basin Drain near College City	-	214
0600	Lindo Channel near Chico	81	-
0928	Mud Creek Diversion at Chico	79	-
2100	Sacramento River at Sacramento	123	234,248
2105	Sacramento River at Sacramento Weir	-	247
2112	Sacramento River at Elkhorn Ferry	-	233
2150	Sacramento River at Verona	-	232
2160	Sacramento River at Fremont Weir, East End	-	223
2170	Sacramento River at Fremont Weir, West End	-	222
2200	Sacramento River at Knights Landing	-	216
2240	Sacramento River near Rough and Ready Bend	-	212
2250	Sacramento River above Reclamation District 108 Pumping Plant	95	-
2280	Sacramento River below Wilkins Slough	-	211
2301	Sacramento River at Tisdale Weir	-	210
2308	Tisdale Bypass at Reclamation District 1660 Pumping Plant	-	220
2320	Sacramento River at Reclamation District 70 Pumping Plant	-	209
2380	Sacramento River at Meridian	92	208
2420	Sacramento River at Colusa	-	205
2430	Sacramento River at Colusa Weir	-	204
2445	Sacramento River at Moulton Weir	-	202
2450	Sacramento River opposite Moulton Weir	85	203
2500	Sacramento River at Butte City	-	201
2570	Sacramento River at Ord Ferry	83	200
2630	Sacramento River at Hamilton City	76	199
2700	Sacramento River at Vina Bridge	75	198
2788	Sacramento River above Bend Bridge near Red Bluff	-	197
2903	Sacramento Weir Spill to Yolo Bypass	121	-
2925	Sacramento Slough at Sacramento River	109	-
2926	Reclamation District 1500 Drainage to Sacramento Slough	108	-
2927	Sutter Bypass at Reclamation District 1500 Pumping Plant	-	221
2930	Fremont Weir Spill to Yolo Bypass	101,102	-

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)		
A02933	Reclamation District 108 Drainage to Sacramento River	96	-
2935	Yolo Bypass near Woodland	131	239
2945	Colusa Basin Drain at Knights Landing	99	215
2950	Reclamation District 787 Drainage to Colusa Basin Drain	100	-
2955	Reclamation District 787 Drainage to Sacramento River	97	-
2960	Tisdale Weir Spill to Sutter Bypass	94	-
2963	Reclamation District 1660 Drainage to Tisdale Bypass	107	-
2965	Reclamation District 70 Drainage to Sacramento River	93	-
2967	Butte Slough at Outfall Gates	91	207
2972	Butte Slough near Meridian	103	217
2976	Colusa Basin Drain at Highway 20	98	213
2981	Colusa Weir Spill to Butte Basin	86	-
2984	Cherokee Canal near Richvale	90	206
2986	Moulton Weir Spill to Butte Basin	84	-
3460	Red Bank Creek near Red Bluff	74	-
3545	North Fork Cottonwood Creek near Igo	72	-
3595	South Fork Cottonwood Creek near Cottonwood	73	-
4242	Mud Creek near Chico	77, 78	-
4250	Big Chico Creek at Chico	80	-
4265	Butte Creek near Durham	88	-
4280	Little Chico Creek near Chico	89	-
4910	Little Chico Creek Diversion near Chico	87	-
5103	Feather River at Nicolaus	-	231
5120	Feather River below Shanghai Bend	120	229
5135	Feather River at Yuba City	-	226
5165	Feather River near Gridley	118	225
5735	North Honcut Creek near Bangor	119	-
5191	Feather River at Oroville	116	224
5921	State Pumping Plant 2 Drainage to Sutter Bypass	105	-
5922	Reclamation District 1660 Drainage to Sutter Bypass	106	-
5929	Wadsworth Canal near Sutter	104	219
5935	Sutter Bypass at Long Bridge	-	218
5975	Thermalito Afterbay Release to Feather River near Oroville	117	-
6150	Yuba River near Marysville	-	228
6550	Bear River near Wheatland	-	230
7140	American River at Sacramento	-	236
7175	American River at Fair Oaks	-	235

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)		
A08125	Cache Creek at Yolo	-	238
9115	South Fork Putah Creek near Davis . . .	130	-
	Pit River		
A13060	Lassen Creek near Willow Ranch	68	-
4100	Pine Creek near Alturas	69	-
5150	Burney Creek near Burney	71	-
8350	Ash Creek at Adin	70	-
	Shasta Lake		
A21010	Sacramento River at Keswick	-	196
1051	Inflow to Shasta Lake	-	290
	Sacramento Valley West Side		
A31302	Grindstone Creek near Elk Creek	82	-
6171	Inflow to Whiskeytown Lake	-	291
	Feather River		
A51141	Lake Oroville near Oroville	-	287
4370	Indian Creek near Taylorsville	114	-
4455	Red Clover Creek above Abbey Bridge Damsite	112	-
4470	Indian Creek near Boulder Creek Guard Station	111	-
4473	Antelope Lake near Boulder Creek Guard Station	-	286
4750	Last Chance Creek at Dixie Refuge Damsite	113	-
5383	Lake Davis near Portola	-	285
5420	Middle Fork Feather River near Portola	110	-
5527	Frenchman Lake near Chilcoot	-	284
6911	Palermo Canal at Oroville Dam	115	-
	Yuba-Bear Rivers		
A61430	Yuba River at Englebright Dam	-	227
5105	Camp Far West Reservoir near Sheridan .	-	288
	American River		
A71121	Inflow to Folsom Lake near Folsom . . .	-	292

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

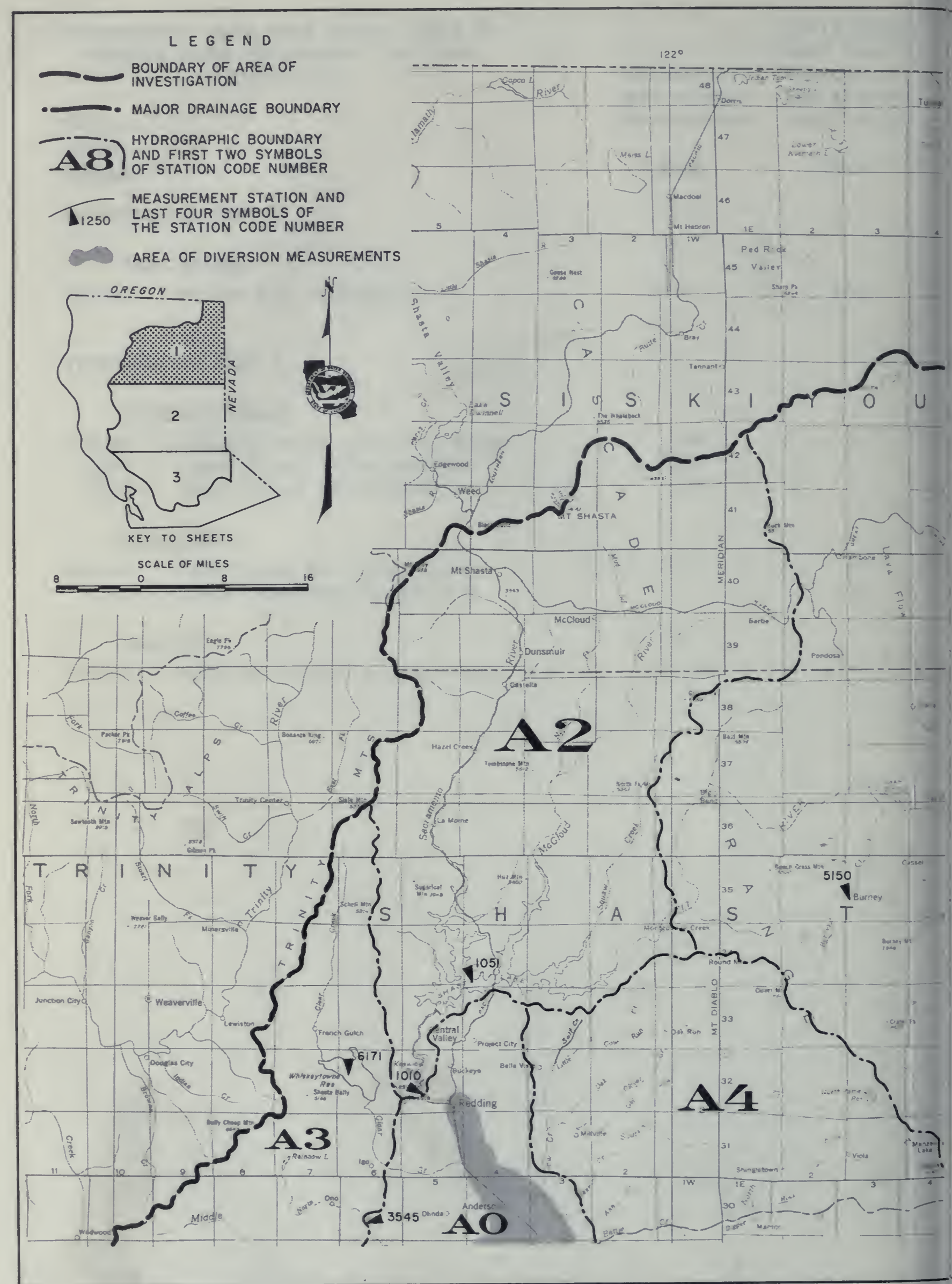
Station Code Number		Streamflow and Station Description Page	Daily Stage, Major Crests, Reservoirs, and Station Description Page
	Cache Creek		
A81200	Cache Creek above Rumsey	128	-
1250	Bear Creek near Rumsey	127	-
1810	Middle Creek near Upper Lake	124	-
1820	Scotts Creek at Upper Lake	-	237
1845	Scotts Creek at Eickhoff Road near Lakeport	125	-
1940	Clover Creek Bypass near Upper Lake	126	-
	Putah Creek		
A91250	Putah Creek near Winters	-	240
5010	Pope Creek near Pope Valley	129	-
	HYDROGRAPHIC AREA B		
	San Joaquin Valley Floor		
B00908	South San Joaquin Irrigation District Main Drain near French Camp	137	-
0915	South San Joaquin Irrigation District Drain 11 near Manteca	133	-
1125	Cosumnes River at McConnell	148	244
1520	Dry Creek near Galt	146	-
1580	Deer Creek near Sloughhouse	147	-
2010	Bear Creek near Lodi	142	-
2105	Mokelumne River at Woodbridge	143	242
2520	Calaveras River near Stockton	139	-
2560	Mormon Slough at Bellota	140	-
2580	Stockton Diverting Canal at Stockton	141	-
2805	French Camp Slough near French Camp	136	-
2835	Duck Creek near Stockton	138	-
2870	Littlejohn Creek at Farmington	135	-
2920	Duck Creek Diversion near Farmington	134	-
7020	San Joaquin River near Vernalis	132	241
	Cosumnes River		
B11150	Cosumnes River at Michigan Bar	-	243
	Mokelumne-Calaveras Rivers		
B21150	Dry Creek near Ione	145	-
1160	Sutter Creek near Sutter Creek	144	-

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

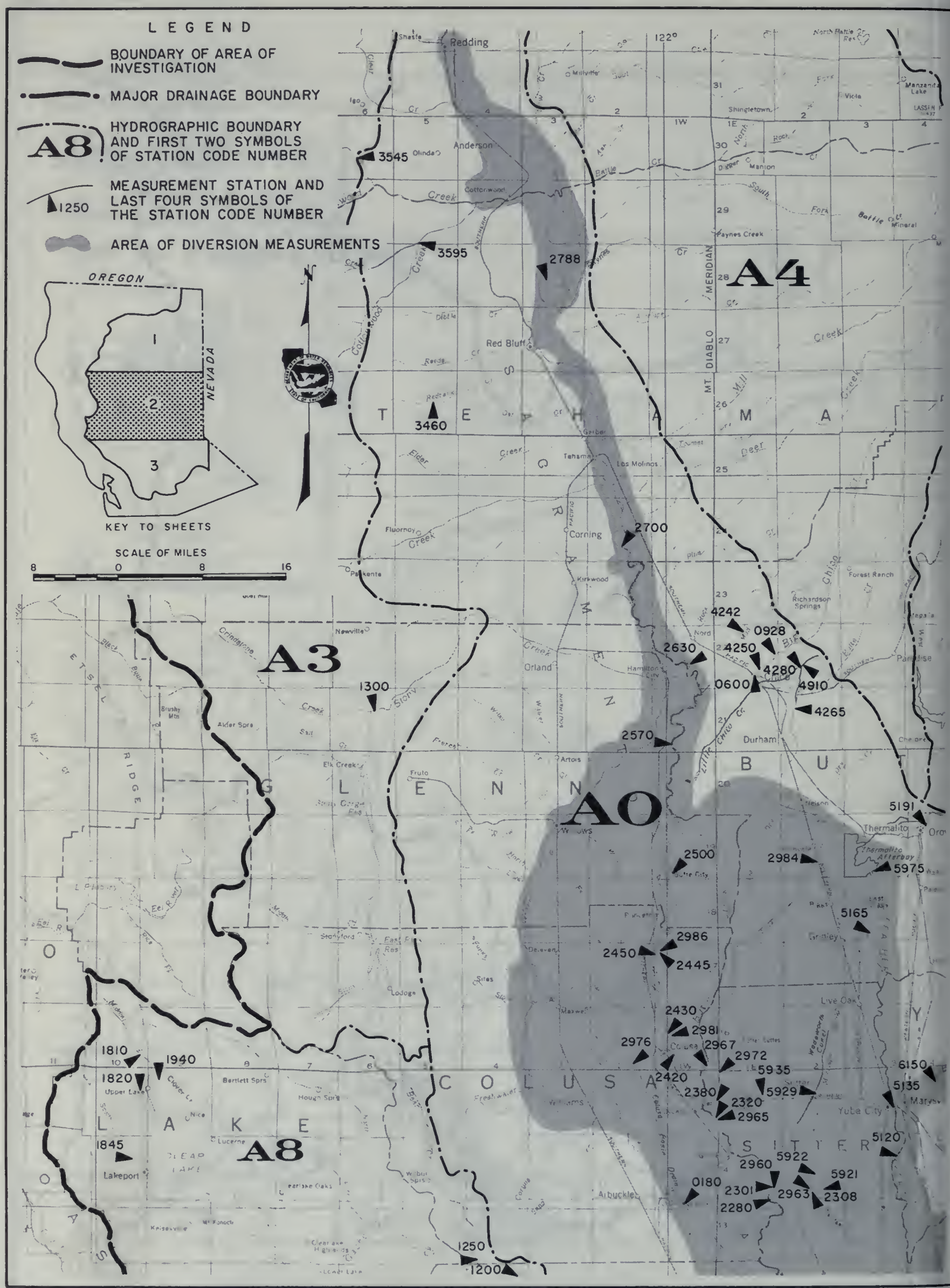
Station Code Number		Streamflow and Station Description Page	Daily Stage, Major Crests, Reservoirs, and Station Description Page
	San Joaquin Valley West Side		
B89100	Marsh Creek near Byron	153	-
9200	Kellogg Creek near Byron	150	-
	Sacramento-San Joaquin Delta		
B91110	Sacramento River at Collinsville . . .	-	256
1160	Three Mile Slough at Sacramento River .	-	255
1210	Sacramento River at Rio Vista	-	254
1500	Yolo Bypass at Liberty Island	-	253
1560	Yolo Bypass near Lisbon	-	252
1650	Sacramento River at Walnut Grove . . .	-	251
1750	Sacramento River at Snodgrass Slough .	-	250
1850	Sacramento River near Freeport	-	249
4115	North Fork Mokelumne River near Isleton	-	276
4120	Little Potato Slough at Terminous . . .	-	277
4130	South Fork Mokleumne River at Hog Slough	-	278
4150	South Fork Mokelumne River at New Hope Bridge	-	275
4175	Mokelumne River near Thornton	-	274
5020	San Joaquin River at Antioch	-	281
5060	Three Mile Slough at San Joaquin River	-	280
5100	San Joaquin River at San Andreas Landing	-	279
5180	Old River near Rock Slough	-	273
5220	Rock Slough at Contra Costa Canal Intake	-	272
5270	Old River near Byron	-	271
5278	Italian Slough near Mouth	-	269
5280	Italian Slough near Byron	-	268
5300	Grant Line Canal at Tracy Road Bridge .	-	270
5340	Old River at Clifton Court Ferry . . .	-	267
5380	Old River near Tracy Road Bridge . . .	-	265
5420	Tom Paine Slough above Mouth	-	266
5460	Middle River at Bacon Island	-	264
5500	Middle River at Borden Highway	-	263
5540	Middle River at Mowry Bridge	-	262
5580	San Joaquin River at Venice Island . .	-	261
5620	San Joaquin River at Rindge Pump . . .	-	260
5660	Stockton Ship Channel at Burns Cutoff .	-	259
5740	San Joaquin River at Brandt Bridge . .	-	258
5820	San Joaquin River at Mossdale Bridge .	-	257
5910	Contra Costa Canal near Oakley	152	-
5925	Delta-Mendota Canal near Tracy	151	-

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

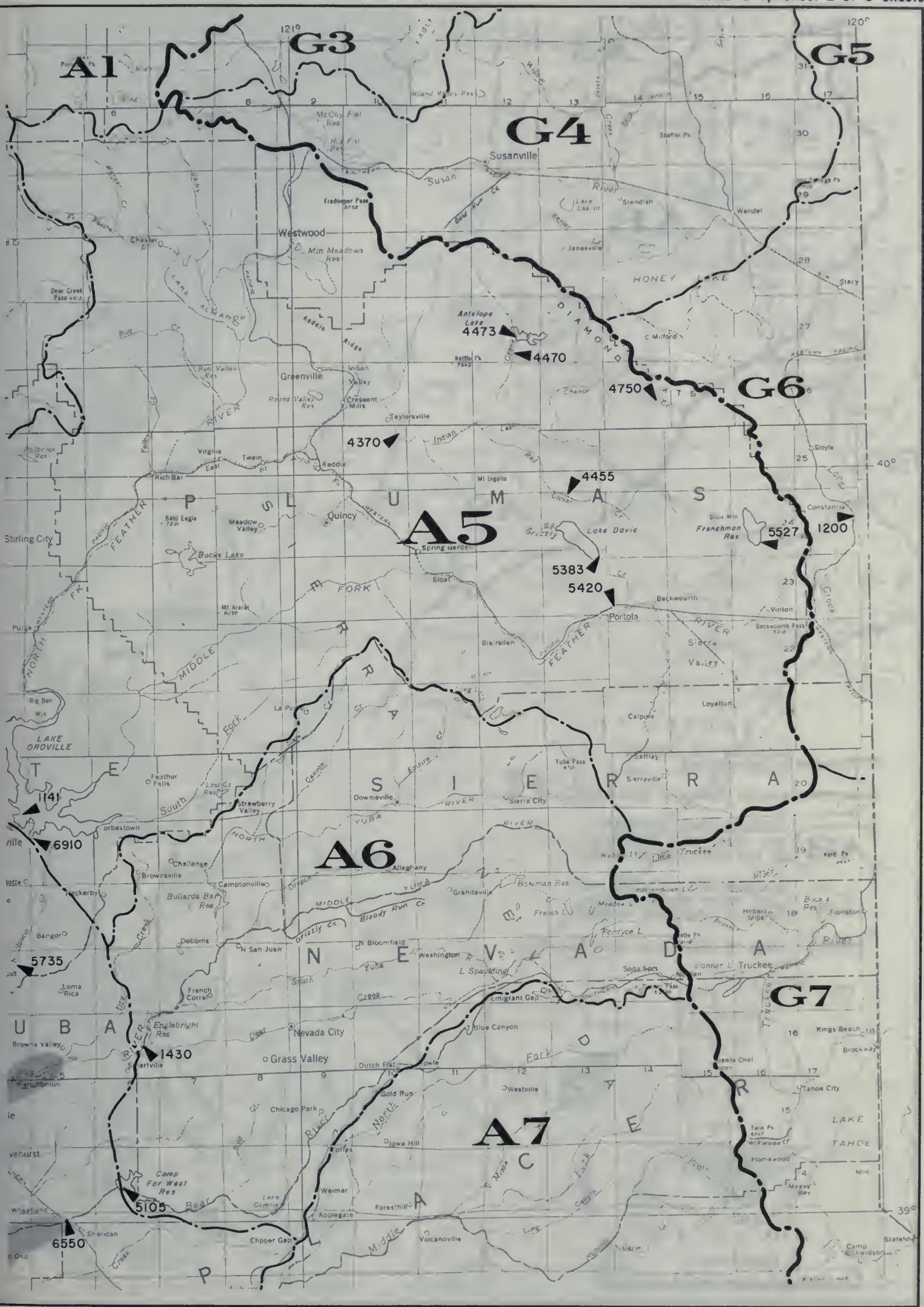
Station Code Number		Streamflow and Station Description Page	Daily Stage, Major Crests, Reservoirs and Station Description Page
HYDROGRAPHIC AREA E			
Napa Solano			
E03300	Suisun Bay at Benicia	- . . .	282
HYDROGRAPHIC AREA G			
Surprise Valley			
G12200	Bidwell Creek near Fort Bidwell	154 . . .	-
5150	Cedar Creek at Cedarville	155 . . .	-
7150	Eagle Creek at Eagleville	156 . . .	-
Eagle Lake			
G31150	Pine Creek near Susanville	157 . . .	-
2100	Eagle Lake near Susanville	- . . .	245
Herlong			
G61200	Long Valley Creek near Doyle	158 . . .	-


LEGEND
BOUNDARY OF AREA OF INVESTIGATION
MAJOR DRAINAGE BOUNDARY
A8
HYDROGRAPHIC BOUNDARY AND FIRST TWO SYMBOLS OF STATION CODE NUMBER
1250
MEASUREMENT STATION AND LAST FOUR SYMBOLS OF THE STATION CODE NUMBER
AREA OF DIVERSION MEASUREMENTS
OREGON
NEVADA
1
2
3
KEY TO SHEETS
SCALE OF MILES
8 0 8 16
122°
A2
A3
A4
A0
1051
6171
1010
3545
5150
S I S K I Y O U
C A S C A D E
T R I N I T Y
S H A S T A
Mt Shasta
McCloud
Dunsmuir
Weed
Redding
Weaverville
Burney
Anderson
Junction City
Douglas City
Trinity Center
Dorris
Macdoel
Bray
Tennant
Edgewood
Castella
Hazel Creek
La Moine
Central Valley
Project City
French Gulch
Lewiston
Minersville
Shingletown
Viola
Round Mtn
Bartle
Pondosa
Ped Rock Valley
Shasta Valley
MT DIABLO MERIDIAN
Sacramento River
McCloud River
Trinity River
Pit River
Clear Creek
Cottonwood Creek
Little Sacramento River
Middle Creek
Cow Run
Oak Run
Little Cow Run
Salt Cr
Squaw Creek
Mud Creek
Cassel
Buckeye
Bella Vista
Matheny
Ono
Igo
Olinda
Rainbow L
Whiskeytown Res
Shasta Bally
Bally Cheap Mtn
Redwood
Middle
Mt Hebron
Mass L
Copco L
Lower Klamath L
Tule Lake
Lake Shastolin
Sugarloaf Mtn
Hat Mtn
Scheli Mtn
Packer Pk
Coffee
Bonanza Ridge
Sawtooth Mtn
Gibson Pk
Eagle Pk
Tombstone Mtn
Bald Mtn
Burney Mt
Round Mtn
Clover Mtn
Grass Mtn
Sharp Pk
Goose Nest
Weaver Bally
Chambers Lava Flow
Manzanita Lake
Manton
Cottonwood
Ash Creek
Little Ash Creek
Little Cow Run
Little Squaw Creek
Little Middle Creek
Little Clear Creek
Little Cottonwood Creek
Little Mud Creek
Little Pit River
Little Sacramento River
Little Shasta River
Little Tule River
Little Klamath River
Little Salt Cr
Little Oak Run
Little Matheny
Little Ono
Little Igo
Little Olinda
Little Bella Vista
Little Project City
Little Central Valley
Little French Gulch
Little Lewiston
Little Weaverville
Little Junction City
Little Douglas City
Little Trinity River
Little Weaverville
Little Minersville
Little Trinity Center
Little Dorris
Little Macdoel
Little Bray
Little Tennant
Little Edgewood
Little Weed
Little Mt Shasta
Little McCloud
Little Dunsmuir
Little Castella
Little Hazel Creek
Little La Moine
Little Redding
Little Anderson
Little Shingletown
Little Viola
Little Round Mtn
Little Burney
Little Bartle
Little Pondosa
Little Manton
Little Cassel
Little Chambers Lava Flow
Little Manzanita Lake
Little Redwood
Little Middle Creek
Little Rainbow L
Little Whiskeytown Res
Little Shasta Bally
Little Bally Cheap Mtn
Little Buckeye
Little Matheny
Little Ono
Little Igo
Little Olinda
Little Anderson
Little Shingletown
Little Viola
Little Manzanita Lake
Little Manton
Little Cassel
Little Chambers Lava Flow
Little Pondosa
Little Bartle
Little Burney
Little Round Mtn
Little Clover Mtn
Little Grass Mtn
Little Sharp Pk
Little Goose Nest
Little Weaver Bally

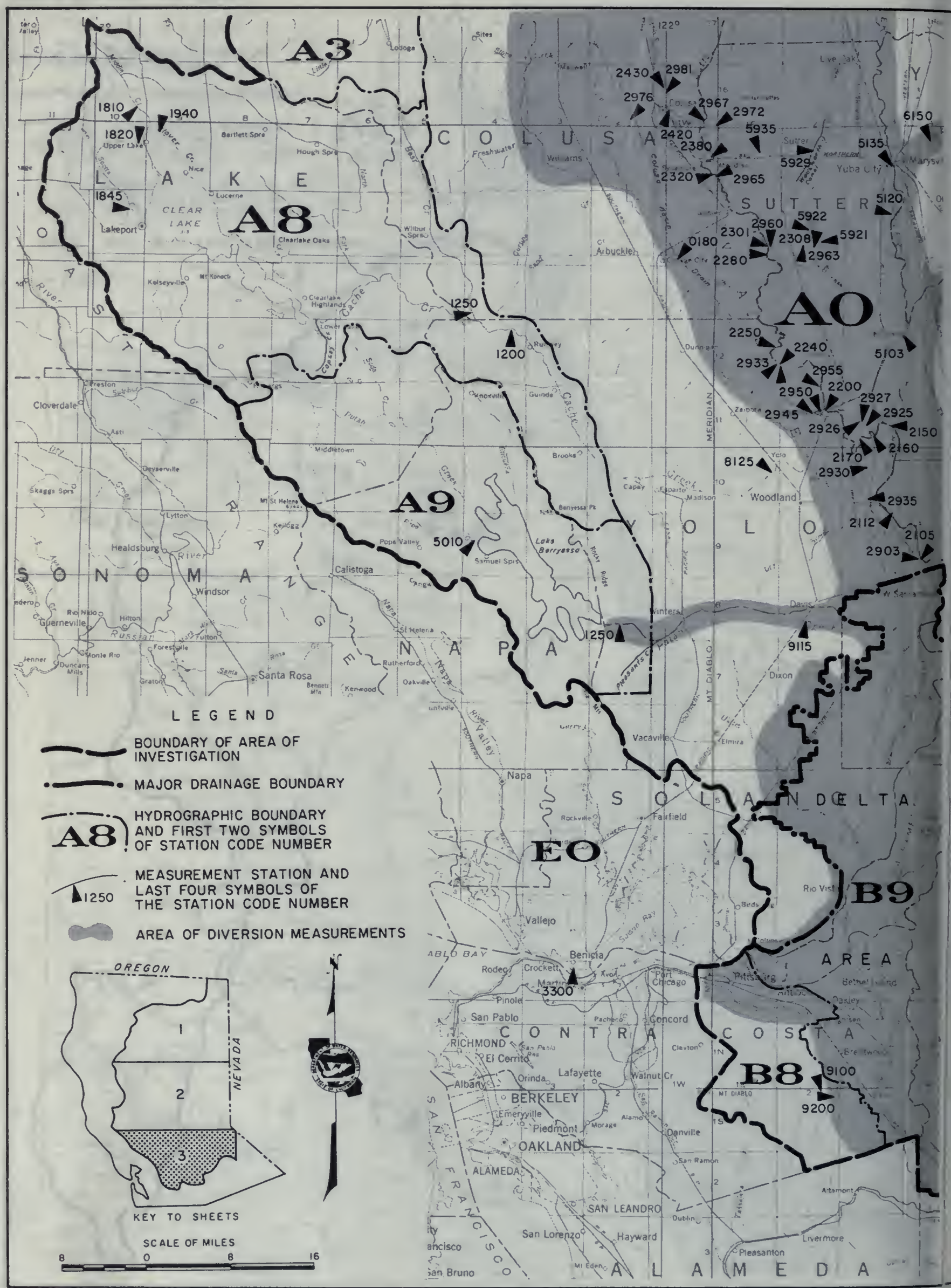
SURFACE WATER MEASUREMENT STATIONS 1968-69



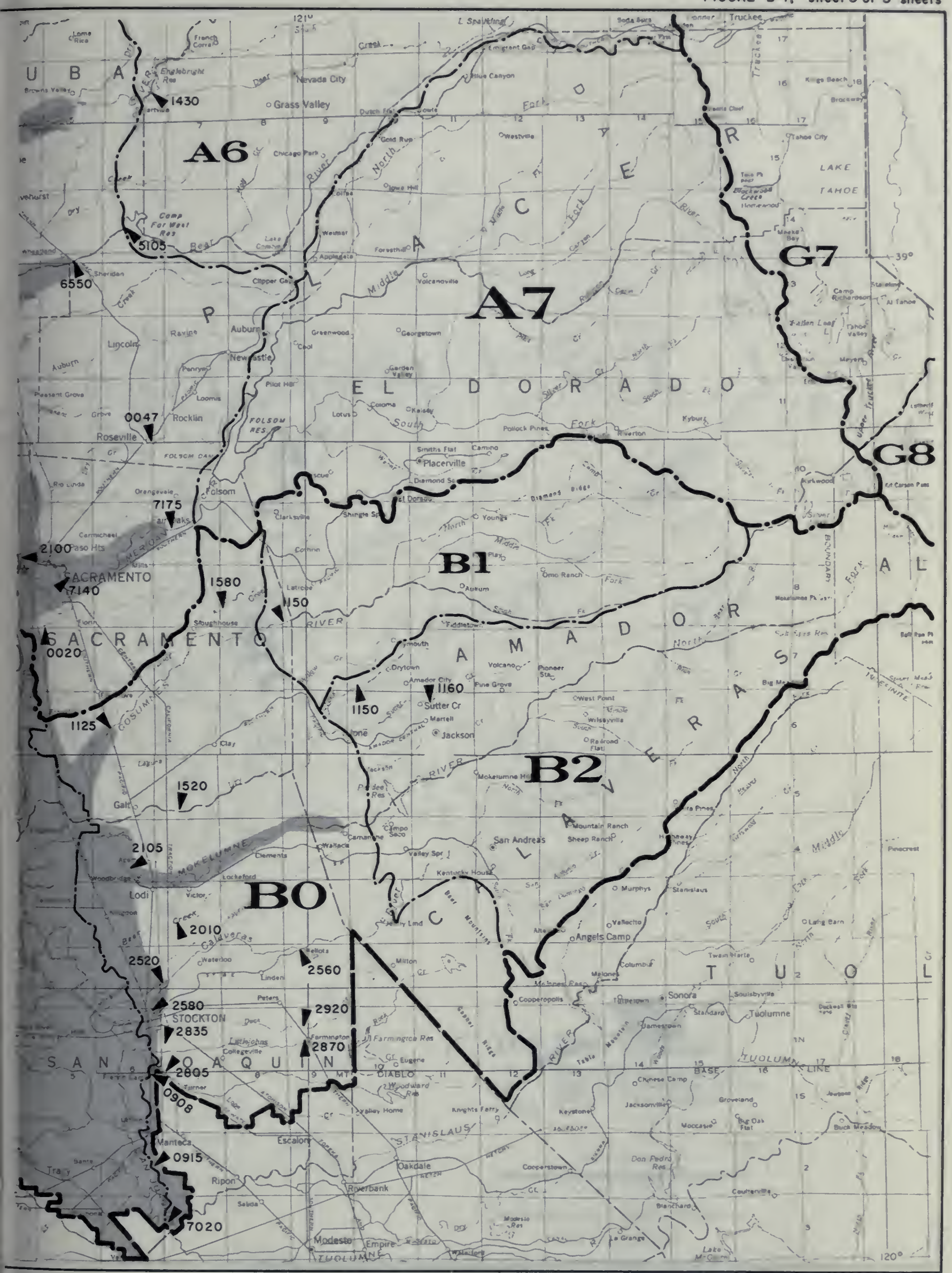
SURFACE WATER MEASUREMENT STATIONS 1968-69



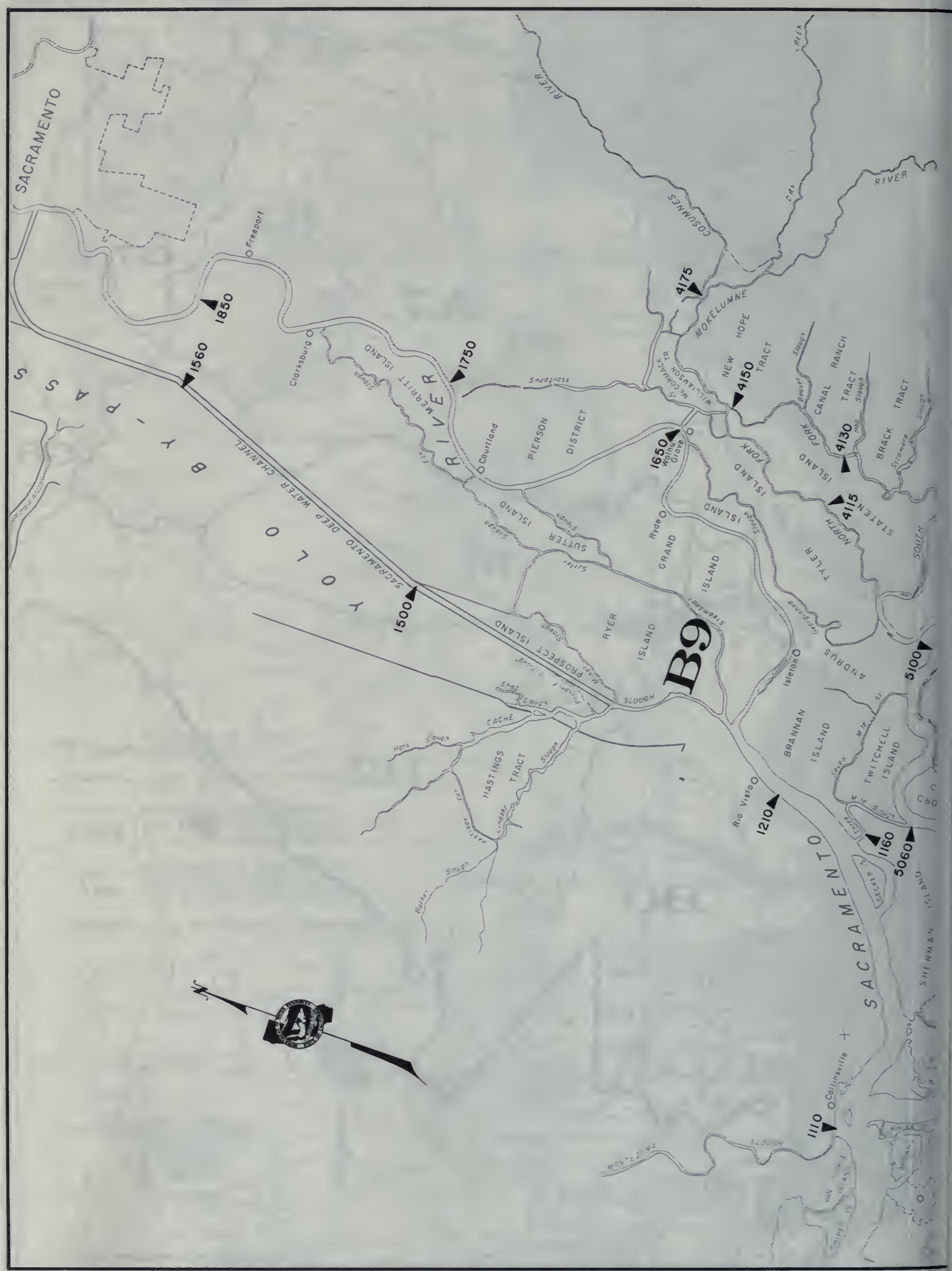
SURFACE WATER MEASUREMENT STATIONS 1968-69



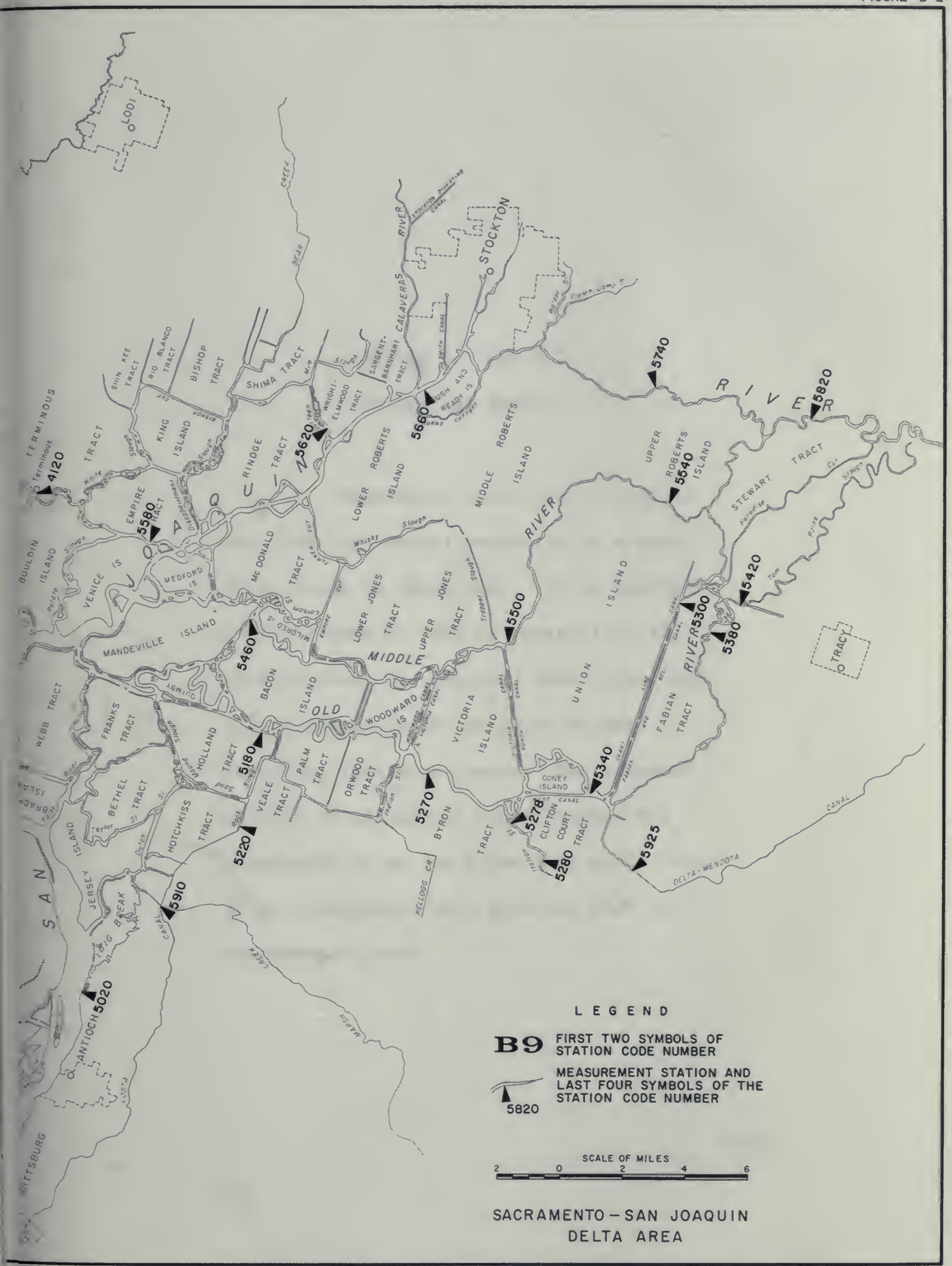
SURFACE WATER MEASUREMENT STATIONS 1968-69



SURFACE WATER MEASUREMENT STATIONS 1968-69



SURFACE WATER MEASUREMENT STATIONS 1968-69



SURFACE WATER MEASUREMENT STATIONS 1968-69

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 Joaquin River near Vernalis (a)
Average Annual Runoff (b)	22602	7690	16600	4159	2226	2525	690	5312
1928-29	51	57	51	44	45	45	50	54
1929-30	76	79	81	95	82	65	67	61
1930-31	35	43	37	35	29	28	30	31
1931-32	91	66	79	80	95	103	108	125
1932-33	56	60	54	48	48	50	61	63
1933-34	50	59	52	48	44	45	43	43
1934-35	105	97	100	103	101	102	102	121
1935-36	109	92	105	103	116	135	130	122
1936-37	91	78	80	76	83	92	101	123
1937-38	196	191	192	207	181	179	179	212
1938-39	51	57	49	45	41	41	49	55
1939-40	132	136	135	136	128	135	125	124
1940-41	159	186	163	156	141	125	122	150
1941-42	149	146	152	160	153	155	143	139
1942-43	130	111	127	135	141	153	145	137
1943-44	65	61	63	69	63	58	65	74
1944-45	99	86	90	90	95	100	112	124
1945-46	106	105	105	101	108	114	108	108
1946-47	63	66	63	61	61	56	57	64
1947-48	91	99	95	93	90	89	92	79
1948-49	72	78	72	62	67	74	75	72
1949-50	88	74	87	92	100	106	109	88
1950-51	139	118	138	137	159	183	168	137
1951-52	174	150	172	191	185	197	191	175
1952-53	111	126	121	125	115	105	99	82
1953-54	99	121	105	102	86	79	77	81
1954-55	66	74	66	59	58	62	63	66
1955-56	181	173	180	192	178	184	181	182
1956-57	88	93	90	87	88	85	87	81
1957-58	173	197	179	168	159	162	154	157
1958-59	68	88	73	69	56	49	54	56
1959-60	73	84	79	77	76	67	60	56
1960-61	63	93	72	63	51	41	40	40
1961-62	95	97	91	88	86	82	92	106
1962-63	133	129	139	151	147	141	127	118
1963-64	64	68	66	62	67	65	62	59
1964-65	155	135	155	167	174	178	173	153
1965-66	77	95	78	69	64	55	66	76
1966-67	156	137	145	151	148	157	165	188
1967-68 (c)	74	90	81	82	70	63	60	56
1968-69 (c)	179	154	162	169	163	175	193	229

(a) Figures were computed from summations of unimpaired runoff at foothill stations on major tribuaries 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 1915 through September 1965.

(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 1968	Percent	101	110	103	100	81	74	102	75
	Average	514	290	461	108	36	27	4	49
November 1968	Percent	108	87	98	98	114	140	212	166
	Average	845	409	722	164	77	72	16	107
December 1968	Percent	99	123	101	87	67	67	63	94
	Average	1805	796	1536	360	192	188	37	233
January 1969	Percent	392	262	351	432	477	490	533	660
	Average	2060	971	1772	378	201	221	37	251
February 1969	Percent	170	177	160	137	123	163	177	231
	Average	2815	1247	2371	528	288	308	54	390
March 1969	Percent	120	126	113	105	93	102	120	152
	Average	2880	1081	2304	572	299	352	73	503
April 1969	Percent	154	148	147	161	129	139	162	175
	Average	3608	1001	2611	742	396	472	129	867
May 1969	Percent	201	160	184	207	184	184	198	230
	Average	3840	669	2260	648	425	519	194	1386
June 1969	Percent	183	125	155	175	169	169	192	214
	Average	2426	430	1241	320	216	275	121	1064
July 1969	Percent	207	119	136	139	171	178	294	319
	Average	932	300	568	151	54	64	20	344
August 1969	Percent	151	116	118	111	130	167	214	308
	Average	478	251	392	102	23	16	4	83
September 1969	Percent	131	134	125	98	102	184	150	187
	Average	399	245	362	85	20	11	2	36
1968-69 Water Year	Percent	179	154	162	169	163	175	193	229
	Average	22602	7690	16600	4159	2226	2525	690	5312

(a) The percent values are preliminary, subject to revision.
Average unimpaired runoff in thousands of acre-feet computed from the 50-year period October 1915 through September 1965.
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.	1968			1969									Water Year Total
		OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
WATER SUPPLY														
Measured Inflow														
Sacramento River at Sacramento	123	715	810	1410	3407	3987	3058	2699	2497	1376	874	1128	1251	23212
Sacramento Weir Spill to Yolo Bypass	121	0	0	0	429	30	6	0	0	0	0	0	0	465
Yolo Bypass near Woodland	131	1	1	49	2305	2250	538	40	39	7	1	1	2	5242
South Fork Putah Creek near Davis	130	0	0	2	57	222	115	24	4	2	1	0	0	427
Morrison Creek near Sacramento	149	0	1	1	13	10	2	1	0	0	0	0	0	28
Cosumnes River at McConnell	148	0	4	15	255	160	93	122	77	22	4	0	0	752
Dry Creek near Galt	146	0	0	5	77	72	32	18	3	1	0	0	0	208
Mokelumne River at Woodbridge	143	5	5	5	84	144	130	130	137	56	35	30	37	798
Bear Creek near Lodi	142	1	0	2	20	18	3	1	0	0	0	0	0	45
Calaveras River near Stockton	139	0	0	0	2	3	2	* 0	* 1	* 1	1	1	1	12
Stockton Diverting Canal at Stockton	141	0	1	8	155	82	54	2	0	0	0	1	0	303
Duck Creek near Stockton	138	0	0	1	5	4	1	0	0	0	0	0	0	11
French Camp Slough near French Camp	136	3	1	9	60	55	14	6	29	3	3	3	6	192
San Joaquin River near Vernalis	132	85	95	156	849	1808	1898	1316	1513	1659	357	143	194	10073
Marsh Creek near Byron	153	0	0	0	5	6	3	1	0	0	0	0	0	15
Precipitation		19	116	166	368	273	63	53	1	1	0	0	6	1066
Total Water Supply		829	1034	1829	8091	9132	6012	4413	4301	3128	1276	1307	1497	42849
WATER UTILIZATION														
Consumptive Use in Delta Lowlands		97	58	32	36	53	79	118	137	182	214	203	146	1355
Exportations														
Delta-Mendota Canal	151	233	137	68	177	166	135	112	134	112	166	268	133	1841
Contra Costa Canal	152	9	7	5	4	3	3	4	7	7	9	11	8	77
City of Vallejo	194	1	1	1	1	1	1	1	1	1	1	1	1	12
California Aqueduct	194	142	157	158	172	92	70	75	60	29	32	34	11	1032
Delta Uplands Diversions														
Old River	181	5	0	0	0	0	0	8	21	22	24	25	13	118
Tom Paine Slough	181	1	1	1	0	0	1	2	5	4	5	4	2	26
French Camp Slough below French Camp	182	0	0	0	0	0	0	0	0	1	1	0	0	2
San Joaquin River (Stockton to Vernalis)	183	2	0	1	0	0	0	8	14	11	15	14	7	72
Sacramento River below Sacramento	187	0	0	0	0	0	0	0	0	1	1	0	0	2
Yolo Bypass (West Cut)	187	4	1	1	0	0	0	1	3	5	8	7	5	35
Calaveras River	185	0	0	0	0	0	0	0	0	0	0	0	0	0
Mokelumne River below Woodbridge	185	1	0	0	0	0	0	1	2	3	3	3	2	15
Cosumnes River below McConnell	186	0	0	0	0	0	1	1	1	1	2	2	1	9
Putah Creek	188	0	0	0	0	0	0	0	1	1	1	0	0	3
Miscellaneous	189	8	1	1	0	0	1	5	18	17	20	19	13	103
Total Water Utilization		503	363	268	390	315	291	336	404	397	502	591	342	4702

* Estimated

TABLE B-4

GAGING STATION ADDITIONS
AND DISCONTINUATIONS

Additional Stations

Sacramento River above Bend Bridge near Red Bluff (Stage only)	10- 1-68
Scotts Creek at Eickhoff Road near Lakeport (Discharge only)	10- 1-68
South San Joaquin Irrigation District Main Drain near French Camp (Discharge only)	10- 1-68

Discontinued Stations

Copsey Creek near Lower Lake	9-30-68
Indian Creek near Boulder Creek Guard Station	9-30-69
Little Last Chance Creek below Frenchman Dam	9-30-68
Little Potato Slough at Terminous	8- 4-69
Mosher Slough near Stockton	9-30-68
Natomas Cross Canal at Head	9-30-68
North Fork Mokelumne River near Isleton	7-28-69
Scotts Creek near Lakeport	9-30-68
South Fork Mokelumne River at Hog Slough	8- 4-69
South San Joaquin Irrigation District Main Drain near Lathrop	9-30-68

Publication Discontinued

Contents of Reservoirs:

Folsom Lake near Folsom	9-30-68
Lake Berryessa near Winters	9-30-68
Shasta Lake near Redding	9-30-68
Whiskeytown Lake near Whiskeytown	9-30-68
Big Grizzly Creek near Portola	9-30-68
Pleasants Creek near Winters	9-30-68
Putah Creek below Winters	9-30-68
Putah Creek above Davis	9-30-68
Sacramento River near Red Bluff	9-30-68

Published Data from Prior Years

Fremont Weir Spill to Yolo Bypass	1967-68
Mud Creek near Chico	1967-68

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

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	A13060	LASSEN CREEK NEAR WILLOW RANCH

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.9 *	1.9	3.9 E	3.9 E	NR	6.4	87	94	26 E	8.2	2.8	1.3	1
2	0.9	2.6	3.6 E	3.7 E	NR	7.4	85	87	24 E	7.4	2.8	1.2	2
3	0.9	2.4	3.3 #	3.6 E	NR	5.4	76	84	23 E	7.4	2.6	1.2	3
4	1.0 E	2.6	3.3 E	3.4 E	NR	7.7	81	78	22 E	7.0	2.4	1.3	4
5	1.0 E	2.4	3.4 E	3.3 E	11 #	12	86	73	22 E	7.0	2.4	1.3	5
6	1.0 E	2.2	3.6 E	3.2 E	11 E	6.7	78	73 *	21 E	7.4	2.4	1.3	6
7	1.1 E	2.2 *	3.8 E	3.1 E	11 E	6.7	70	76	20 E	6.7	2.2	1.2	7
8	1.1 E	2.8	4.0 E	3.0 #	11 E	5.7	65 *	81	20 E	6.0	2.2	1.2	8
9	1.1 E	6.0	4.1 E	NR	11 E	5.7	67	84 E	19 E	6.0	2.2	1.2	9
10	1.2 E	3.5	4.3 E	NR	10 E	9.6	69	81 E	19 E	6.0	2.2	1.2	10
11	1.3 E	3.5	4.5 E	NR	10 E	12	74	78 E	17 #	5.4	2.1	1.1	11
12	1.4 E	7.4	4.7 E	NR	10 E	8.2	86	74 E	15	5.1	2.0	1.1	12
13	1.4 E	4.4	4.9 E	NR	10 E	6.4	88	71 E	14	4.7	1.9	1.1 E	13
14	1.5 E	3.1	5.1 E	NR	10 E	7.7	87	68 E	14	4.7	1.8	1.1 E	14
15	1.6 E	3.5	5.3 E	NR	9.6 E	7.4	81	63 #	13	4.4	1.8	1.1 E	15
16	1.7 E	3.5	5.5 E	NR	9.6 E	6.0	81	58 E	12	4.4	1.8	1.1 E	16
17	1.7 #	4.2	5.6 #	NR	9.1 E	7.7	97	53	12	4.2	1.8	1.1 E	17
18	1.6 E	20	5.5 E	NR	9.1 E	10 *	120	50	12	4.2	1.7	1.1 E	18
19	1.6 E	11	5.4 E	NR	9.6 E	8.7	117	48	12	4.2	1.7	1.1 E	19
20	1.7 E	6.7	5.3 E	NR *	9.1 E	8.2	131	43	12	4.2	1.7	1.1 E	20
21	1.7 E	5.1	5.2 E	56 *	9.1 E	8.7	140	41	11	4.2	1.7	1.1 E	21
22	1.6	7.4	5.1 E	28	8.7 E	13	153	38 E	10	4.0	1.7	1.1 E	22
23	1.5	8.7	5.0 E	30	8.7 E	16	158 *	38 E	12	4.2	1.5	1.1 E	23
24	1.5	6.0	4.9 E	40	8.2 E	14	141 *	36 E	11	4.2	1.5	1.1 E	24
25	1.5	5.7 E	4.8 E	30	8.2 E	17	116	34 E	11	3.7 *	1.5	1.1 E	25
26	1.5	5.3 E	4.7 E	NR	8.2 #	24	101	33 E	11	3.5	1.5	1.1 E	26
27	1.5	5.0 E	4.6 E	NR	9.6	30	93	32 E	11	3.5	1.5	1.1 E	27
28	1.5	4.6 E	4.5 E	NR	8.2	36	93	30 E	11	3.5	1.5	1.1 E	28
29	1.6	4.3 E	4.3 E	NR		41	97	29 E	9.1	3.3	1.5	1.1 #	29
30	2.8	4.0 E	4.2 E	NR		50	96	28 E	8.7	3.3	1.5	1.1 E	30
31	2.2		4.0 E	NR		74		26 E		3.1	1.5		31
MEAN	1.4	5.1	4.5	NR	NR	15.5	97.1	57.5	15.2	5.0	1.9	1.1	MEAN
MAX.	2.8	20	5.6 E	NR	NR	74	158	94	26 E	8.2	2.8	1.3	MAX.
MIN.	0.9	1.9	3.3 E	NR	NR	5.4	65	26 E	8.7	3.1	1.5	1.1	MIN.
AC. FT.	88 E	301	278 E	NR	NR	951	5780	3535 E	902 E	308	118	68 E	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 53 02	120 20 27	SE27 47N 14E	615 E	5.26	12/25/64	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.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	A14100	PINE CREEK NEAR ALTURAS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	8.7	8.5	15 E	8.7 E	17 E	13 E	31	42	67	30	16	14	1
2	8.7 *	8.5	15 E	8.7 E	16 E	13 E	29	40	67	29	16	13	2
3	8.7	8.7	15 #	16	14 E	14 E	26	40	64	29	16	13	3
4	8.7	8.9	15 E	21	13 E	14 E	25	39	62	28	16	13	4
5	8.7	8.5	15 E	9.7	12 #	14 E	28	40 *	61	28	16	13	5
6	8.7	8.5	15 E	7.4	12 E	14 E	29	45	61	27	16	13	6
7	8.7	8.3	14	6.4	12 E	14 E	31	51	61	25	16	13	7
8	8.7	8.3 *	16	5.4 #	13 E	14 E	29 *	58	64	25	16	13	8
9	8.7	9.2	15	6.2 E	14 E	14 E	25	62	65	25	15	13	9
10	8.5	8.5	15	6.7 E	20 E	14 E	25	69	61	25	15	13	10
11	8.9	8.3	14 E	7.1 E	50	14 E	26	93	63 *	24	15	13	11
12	10	9.4	14 E	7.8 E	29	14 E	28	104	53	23	15	13	12
13	9.7	9.4 E	15 E	17	15 E	14 E	29	115	50	23	14	13	13
14	9.4	9.2 E	16 E	12	13 E	14 E	30	115	48	22	14	13 E	14
15	9.4	12 E	16 E	8.3	14	14 E	28	102 *	46	21	14	13 E	15
16	9.2	12 E	16 E	7.1 E	14	14 E	28	98	46	20	14	13 E	16
17	8.9	13 E	16 E	8.9 E	12 E	23 *	30	91	46	20	14	13 E	17
18	8.9 *	20	16 #	9.2 E	11 E	31	35	90	44	19	14	13 E	18
19	8.7	16	16 E	51 E	9.7	21	33	93	43	18	14	13 E	19
20	8.7	11	16 E	190	10 E	18	34	91	42	18	14	13 E	20
21	8.7	10	15 E	93	11 E	18	38	88	40	18	14	13 E	21
22	8.5	13	15 E	21 #	11 E	30	44	87	39	18	14	13 E	22
23	8.5	16	14 E	18 E	12 E	26	46	87	39	18	14	13 E	23
24	8.5	14	14 E	17 E	13 E	19	46 *	88	37	18 *	14	13 E	24
25	8.3	14 E	13 E	28 E	13 E	19	42	88	36	18	14	12 E	25
26	8.3	14 E	13 E	120 E	13 #	20	35	88	36	18	14	12 E	26
27	8.3	14 E	12 E	22 E	13 E	20	34	88	35	18	14	12 E	27
28	8.0	14 E	11 E	21 E	13 E	21	36	82	35	17	14	12 E	28
29	8.3	15 E	10 E	20 E		23	41	77	33	17	14	12 #	29
30	8.7	15 E	9.4 E	19 E		27	41	69	31	17	14	12 E	30
31	8.7		8.9 E	18 E		31		67		17	14		31
MEAN	8.8	11.5 E	14.2 E	26.2 E	15.0 E	18.4 E	32.7	77.0	49.2	21.7	14.6	12.8 E	MEAN
MAX.	10	20 E	16 E	190 E	50 E	31 E	46	115	67	30	16	14 E	MAX.
MIN.	8.0	8.3 E	8.9 E	5.4 E	9.7 E	13 E	25	39	31	17	14	12 E	MIN.
AC. FT.	538	685 E	873 E	1610 E	832 E	1129 E	1948	4735	2926	1335	900	764 E	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	310	2.80	1	20	1200	5.42	0.71	1	8	1200	18270 E

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 attimes. Station discontinued in October 1963, reinstalled April 16, 1964 at a site approximately 2000 ft. downstream.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	A18350	ASH CREEK AT ADIN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	21	29	37	40	132	89	1260	224	31	24	24	9.1	1
2	20 *	30	36	41	121	87	1010	200	29	22	36	7.0	2
3	19	31	34 *	68	113	87	762	200	27	21	44	7.0	3
4	20	33	31	110	107	84	627	187	26	19	27	7.0	4
5	19	29	38	102	105 *	86	600	177	51	19	21	5.6	5
6	19	28	40	83	101	89	588	179 *	29	21	22	7.0	6
7	22	28	41	74	90	83	540	192	25	22	21	8.6	7
8	22	28 *	45	59	92	78	443	185	26	22	20	9.1	8
9	26	29	46	40 *	110	80	389 *	184	38	22	20	10	9
10	25	29	59	44	214	74	366	181	46	26	20	12	10
11	23	29	59	45	610	70	366	181	48	28	20	13	11
12	25	45	47	47	480	72	385	173	31 *	25	20	13	12
13	25	33	40	394	257	72	381	166	28	23	20	16	13
14	24	31	43	224	202	77	373	160	41	22	19	16 E	14
15	23	31	64	126	184	94	324	145	43	22	19	16 E	15
16	22	33	72	87	173	135	291	129	34	21	19	17 E	16
17	22	33	52	76	162	265	282	111	25	21	22	18 E	17
18	22 *	45	46 *	53	157	362 *	408	105	28	23 *	23	19 #	18
19	22	37	40	134	151	259	358	98	42	24	23	20	19
20	24	32	33	1330 *	132	224	360	92	55	26	16	21	20
21	25	32	27	1630	118	292	360	83	45	27	17	20	21
22	26 *	33	31	640 *	110	463	360	77	35	25	19	19	22
23	26	35	39	301	106	514	391	64	29	25	17	19	23
24	26	39	45	181	96	517 *	426	59	28	25	16	20	24
25	26	43	44	217	93	590	406	56	27	21	17	28	25
26	25	38	42	779	90	758	318	49	28	14	16	23	26
27	31	35	41	292	86 *	888	247	47	29	20	18	22	27
28	28	34	41	192	87	1050	224	41	33	23	15	22	28
29	29	35	41	181		1140	238	33	29	23	11	22 *	29
30	32	36	41	168		1260	226	34	27	27	11	22	30
31	29		41	147		1370		33		24	11		31
MEAN	24.1	33.4	43.1	255	160	365	444	124	33.8	22.8	20.1	15.6	MEAN
MAX.	32	45	72	1630	610	1370	1260	224	48	28	44	28	MAX.
MIN.	19	28	27	40	86	70	224	33	25	14	11	5.6	MIN.
AC. FT.	1484	1989	2650	15680	8884	22430	26400	7626	2009	1402	1238	929	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
128	2076	12.30	1	21	0600	5.6	4.55	9	5		92720

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	2880 E	14.40	10/13/62	MAR 37-SEP 57 8 SEP 57-DATE	MAR 37-SEP 57 8 SEP 57-DATE	1957		0.00	LOCAL

Station located 200 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.

8 - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	A15150	BURNEY CREEK NEAR BURNEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	13	20	23	30	208	99	336	316 *	118	40	23	16	1
2	11 *	24	21 *	28	184	94	306	296	110	37	24	16	2
3	12	34	20	30	170	91	250	288	108	36	23	16	3
4	14	33	20	30	159	86	218	256	105	35	23	16	4
5	16	26	20	30	147	81	338	260	102	34	21	16	5
6	18	21	20	28	134 *	81	288	285	97	33	21	16	6
7	20	20	20	30	120	79	230	318	92	33	20	16	7
8	19	19 *	27	32 *	129	100	210 *	328	94	34	20	16	8
9	19	18	26	32	278	92	210	346	107	34	20	16	9
10	18	17	405	30	256	76	204	363	108	33	19	16	10
11	27	27	190	32	405	62 *	214	366	104	31 *	19	16	11
12	47	62	94	120	371	58	242	371	102	31	18 *	16	12
13	68	27	71	699	288	60	250	363	96 *	30	17	16	13
14	43	21	63	350	242	64	228	336	85	28	17	16	14
15	36	22	132	206	230	99	210	290	78	28	17	16	15
16	25	21	76	165	212	75	214	264	72	28	16	16	16
17	20	22	60	165	181	70	238	258	68	28	16	16	17
18	20 *	34	51 *	145	166	86	360	258	66	28	16	17 *	18
19	20	30	46	246	154	96	313	242	63	27	17	17	19
20	20	26	45	1010	141	97	316	214	62	27	17	18	20
21	20	23	45	1290	131	99	340	200	60	27	17	18	21
22	18	23	44	819 *	121	99	373	198	59	26	17	18	22
23	18	25	44	541	116	100	449	196	57	25	17	18	23
24	17	33	44	446	112	102	336	198	51	24	16	18	24
25	17	34	43	495	107	102 *	288	192	47	23	17	18	25
26	16	27	34	781	105 *	110	262	190	45	23	17	17	26
27	16	23	32	554	100	118	260	181	43	22	17	17	27
28	16	21	32	438	99	156	268	159	43	23	17	16	28
29	30	21	32	371		166	303	145	41	23	17	16	29
30	37	23	31	268		172	303	136	40	23	17	16	30
31	24		30	244		256		132		23	17		31
MEAN	23.1	25.9	59.4	312	181	101	279	256	77.4	28.9	18.4	16.5	MEAN
MAX.	68	62	405	1290	405	256	449	371	118	40	24	18	MAX.
MIN.	11	17	20	28	99	58	204	132	40	22	16	16	MIN.
AC. FT.	1418	1541	3652	19210	10050	6200	16580	15760	4608	1779	1131	984	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
115	1510	11.01	1	21	0200	11	6.03	10	2	1200	82910

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	1510	11.01	1-21-69	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.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	A03545	NORTH FORK COTTONWOOD CREEK NEAR IGO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.3	12	33	120	331	1030	593	305	149	34	9.9	8.7	1
2	1.3	91	34	209	276	749	614	290 *	136	31	9.1	6.8	2
3	1.5 *	103	32	222 *	258 *	602	567	275	116	33	7.7	9.1	3
4	1.5	54	32	244	630	545	523	262	69	31	8.4	9.2	4
5	2.3	24	30 *	241	418	497	567	252	61	31	7.0	8.6 *	5
6	2.8	20	23	233	931	474	509	243	57	29	7.6	8.8	6
7	2.9	23	23	214	1460	439	461	267	57	28	8.1 *	10	7
8	2.5	24	41	182	1000	403	437	272	57	27	6.5	11	8
9	2.2	27	32	154	1700	374	426	268	62	25	5.8	11	9
10	3.1	26	515	137	1670	339	418	270	74	19	8.6	11	10
11	5.4	27	155 *	844	1320	319	431	255	89	19	7.2	11	11
12	12	25	100	2680	868	333	468	245	76	19	8.7	11	12
13	10	20	141	2840 *	868 *	295	445	236	64	19	7.7	10	13
14	8.0	29	286	828 *	1390	285	421	234	64	18	8.3	10	14
15	8.2	57	444	472	1320	261	410	210	60	18	7.2	11	15
16	7.4	41	232	445 *	907	244	390	199	55	17	8.4	11	16
17	7.3	33	152	395	811	412	394	191	52	17	8.1	11	17
18	7.2	35	121	398	814	369	378 *	183	53	16	7.3	12	18
19	6.6	37	104	719	707	341	372	175	57	16	7.1	13	19
20	8.2	36	81	1380	621	388 *	371	169	57	15	12	13	20
21	7.8	34	63	1780	565 *	436	379	163	53	15	13	14	21
22	8.9	32	58	1040 *	518	426	405	152 *	50	13 *	13	13	22
23	6.5	30	145	828	531	452	441	144	47	13	11	13	23
24	5.6	31	886	681	906 *	465	387	152	45	13	11	11	24
25	5.3	34	416	642	546	470	357	154	42	13	10	11	25
26	5.9	34	251	749	483	483	340	162	39	13	10	11	26
27	6.4	34	278	544	574	517	326	152	38	12	10	10	27
28	6.8	33	678	455	1300 *	562	320	148	37	12	10	6.5	28
29	9.0	33	233	384 *		588	313	156 *	34	11	10	8.8	29
30	15 *	33	147	340		610	310	161	34	10	10	9.3	30
31	13 *		114	294		619		149		10	10		31
MEAN	6.2	35.7	190	668	847	462	426	209	62.8	19.3	9.0	10.5	MEAN
MAX.	15	103	886	2840	1700	1030	614	305	149	34	13	14	MAX.
MIN.	1.3	12	23	120	258	244	310	144	34	10	5.8	6.5	MIN.
AC. FT.	381	2126	11660	41050	47050	28420	25340	12880	3737	1184	553	624	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
24.3	5400	36.32	01	13	0430	1.3	29.85	10	1	0000	175010

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
1969	A03595	SOUTH FORK COTTONWOOD CREEK NEAR COTTONWOOD

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	14	59	123	508	947	1150	521	289	67	13	2.1	1
2	0.0	19	55	241	453	674	980	486 *	282	65	12	1.9	2
3	0.0	33	50	309 *	399 *	609	809	459	276	61 *	11	1.7	3
4	0.0	48	45	442	394	531	692 *	430	279	58	9.5	1.5	4
5	0.0	26	41	508	668	491	723	407	281	56	9.0	1.5	5
6	0.0	18 *	37	515	1050	471	686	433	273	55	8.7	1.5	6
7	0.0	15	38	490 *	543	436 *	609	523	255	54	8.8 *	1.5	7
8	0.0	11	47	448	515	408	567	588	232	52	8.7	1.4	8
9	0.0	8.5	65 *	391	1020	386	552	657	216 *	50	8.4	1.5	9
10	0.0	7.0	599 *	342	863	368	544	702	211	49	7.5	1.6	10
11	0.0	6.6	489 *	439	1490	341	571	682	200	47	6.3	1.6	11
12	0.0	5.8	217	2790	1400	339	684	702	188	45	5.6	1.4	12
13	0 1	27	114	4450 *	1010 *	320	682	666	179	46	5.3	1.4	13
14	2.5	26	177	1920 *	919	303	621	604	172	46	6.1	1.6	14
15	10	40	394	1020	1230	307	563	518	162	44	6.0	1.6	15
16	9.4	28	309 *	670 *	755	349	535	486	169	42	5.6	1.6	16
17	7.9	20	136	559	626	400	570 *	497	160	39	4.8	1.6	17
18	6.3 *	106	82	526	615	484	646 *	514	153	37	4.2	2.7	18
19	4.8	260	66	986	549	475	616	474	240	34	4.3	3.7	19
20	4.8	190	58	3220	510	487 *	611	420	202	31	4.9	6.5	20
21	4.3	140	45	4200 *	471 *	617	655	385	172	27	4.5 *	6.9	21
22	4.3	109	44	2340 *	475	544	777	377	142	25 *	4.6	6.7	22
23	4.2	87	52	1510	598	586	821	392	119	23	4.0	7.2	23
24	3.9	79	343	1130	1350 *	615	671	404	112	22	3.8	6.7	24
25	3.4	72	470	1020	726	624	566	377	97	22	3.6	5.1	25
26	3.1	71	342 *	1910	621	661	502	343	88	21	3.8	4.0	26
27	3.2	62	242	1350	708	779	482	321	84	20	3.4	3.8	27
28	3.4	59	504	977	1640 *	1050	505	290	78	18	3.3	3 5	28
29	5.2	56	298	725 *		1230	573	271	75	15	3.2	3.4	29
30	6.5	56	194	646		1300	549	285	71	15	3.1	3.6	30
31	9.3 *		139	555		1290		294		14	3.0		31
MEAN	3.1	56.7	186	1186	790	594	650	468	182	38.7	6.1	3.0	MEAN
MAX.	10	260	599	4450	1640	1300	1150	702	289	67	13	7.2	MAX.
MIN.	0.0	5.8	37	123	394	303	482	271	71	14	3.0	1.4	MIN.
AC. FT.	192	3372	11410	72900	43850	36540	38700	28780	10820	2380	377	180	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
3446.4	5320	6.69	01	13	1215	0.0		10	1		249501

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	NE5 28N 5W	13400	13.6	12/22/64	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
1969	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	85	125	726	64	18	0.8	0.0	0.0	0.0	1
2	0.0	0.0	0.0	104	107	456	62	16 *	0.7	0.0	0.0	0.0	2
3	0.0 *	0.0	0.0	117 *	89 *	338	63	15	0.5	0.0 *	0.0	0.0	3
4	0.0	0.0	0.0	112	77	255	53 *	14	0.5	0.0	0.0	0.0	4
5	0.0	0.0	0.0	90	1030	212	57	13	0.6	0.0	0.0	0.0	5
6	0.0	0.0	0.0	69	1260	180	53	11	0.7	0.0	0.0	0.0	6
7	0.0	0.0	0.0	54 *	305 *	157 *	47	11	0.7	0.0	0.0	0.0	7
8	0.0	0.0	0.0	44	287	142	43	10	0.9	0.0	0.0	0.0	8
9	0.0	0.0	0.0 *	37	682	128	41	10	1.7	0.0	0.0	0.0	9
10	0.0	0.0	63	33	335	116	38	9.6	2.7	0.0	0.0	0.0	10
11	0.0	0.0	21 *	329	1770	104	36	9.0	3.4	0.0	0.0	0.0	11
12	0.0	0.0	7.4	3200	581	104	37	8.4	2.7	0.0	0.0	0.0	12
13	0.0	0.0	5.3	1850 *	299	88	36	7.6	1.9 *	0.0	0.0	0.0	13
14	0.0	0.0	41	405 *	550	80	34	8.1	1.3	0.0	0.0	0.0	14
15	0.0	0.0	327	185	788	75	32	7.3	0.9	0.0	0.0	0.0	15
16	0.0	0.0	90 *	114	315	70	30	6.6	0.4	0.0	0.0	0.0	16
17	0.0	0.0	39	77	236	97	30	5.8	0.2	0.0	0.0	0.0	17
18	0.0	0.0	31	169	261	81	31 *	5.2	0.1	0.0	0.0	0.0	18
19	0.0	0.0	29	1660	201	67	29	4.7	0.1	0.0	0.0	0.0	19
20	0.0	0.0	27	1720	170	78 *	29	4.0	4.6	0.0	0.0	0.0	20
21	0.0	0.0	28	1190	140 *	271	28	3.6	3.1	0.0	0.0	0.0	21
22	0.0	0.0	32	458	85	121	29	3.3	1.7	0.0	0.0	0.0	22
23	0.0	0.0	39	281	173	92	31	3.0	0.9	0.0	0.0	0.0	23
24	0.0	0.0	1000 *	196 *	1630 *	80	28	2.9	0.5	0.0	0.0	0.0	24
25	0.0	0.0	684	189	410	74	24	2.9	0.3	0.0	0.0	0.0	25
26	0.0	0.0	288	958	310	70	22	2.9	0.1	0.0	0.0	0.0	26
27	0.0	0.0	247 *	280	678	69	21	2.7	0.0	0.0	0.0	0.0	27
28	0.0	0.0	632	208	1720 *	70	20	2.4	0.0	0.0	0.0	0.0	28
29	0.0	0.0	226	169		71	19	1.7	0.0	0.0	0.0	0.0	29
30	0.0	0.0	135	175		70	19	1.3	0.0	0.0	0.0	0.0 *	30
31	0.0		97	141		68		1.0		0.0	0.0		31
MEAN	0.0	0.0	132	474	522	149	36.2	7.2	1.1	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	1000	3200	1770	726	64	18	4.6	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	33	77	67	19	1.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	0.0	8110	29160	28990	9144	2154	440	63	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 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	9160	9.92	2	24	0600	0.0		10	1		78050

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 ȣ MAY 50-MAY 56 NOV 56-DATE	FEB 48-JUL 49 ȣ MAY 50-MAY 56 NOV 56-DATE	1956		0.00	LOCAL

Station located at Briggs Road bridge, 11 mi. SW of Red Bluff. Drainage area is 93.5 sq. mi.

ȣ - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	A02700	SACRAMENTO RIVER AT VINA BRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	10100	8350	8280	10700	35100	57000	17600	17900	18000	14700	12200	12000	1
2	9590	7940	8380	9960	28900	34600	16700	17500	17900	14500	12300	11900	2
3	8790	8710	8200	10500	23600	32900	16100	17300	17700	13400	12200	11800	3
4	8540	8810	8060	10700	21800	26200	14600	16900	17600	13300	12100	11100	4
5	8020	8490	7990	11200	30500	23700	15900	16800	17600	13300	12200	10300	5
6	8030	8190	7960	10600	52700	20900	20700	17000	17500	13200	12100	9410	6
7	8010	8150	7940	9940	32500	18900	17200 *	18000	17300	13200	12100	9350	7
8	8160	8140	8140	9160	26600	16900	15500	18500	17100	13100	12100	9240	8
9	7980	8110	8420	8400	38100	16200	14900	18900	17100	13000	12200	9250	9
10	7930	8220	24100	7720	43900	15800 *	14400	19400	17200	13000	12200	9190	10
11	8030	8210	27200	9130	52100	14900	14400	19500	17200	12900	12200	9200	11
12	8650	9180	13100	63400	100000	13900	14800	19400	17200	12900	12100	9180	12
13	9190	9230	10000	131000	71500	13300	15000	19900	16900	12800	12100	9220	13
14	9220	8790	23900	81200	62000	12900	14500	20400	16700	12800 *	12100	9210	14
15	8890	9300	26200	30200 *	98000	12500	14000	19500	16700	12700	12100	9200	15
16	8620	9370	24500 *	22400	79600	12200	13600	19000	16400	12700	12100	9230 *	16
17	8510	8840	13100	18600	62800	12500	13000	21800	16200 *	12500	12100	9210	17
18	8440	9530 *	10600	16700	59000	13000	14400	21900	16100	12500	12100	9260	18
19	8410	10200	9240	38800	56800	13400	14500	21900	16200	12500	12100	9330	19
20	8420	9120	8590	102000	55200 *	13200	14300	21400	16300	12500	12000	9370	20
21	8170	8650	8080	107000	49400	15200	14600	21100	16200	12500	12000 *	9360	21
22	8210	8330	7780	111000	36500	14400	15400	21000	16000	12500	12000	9400	22
23	8120	8220	9720	90800	37800	13800	16800	20200 *	15800	12500	12000	9320	23
24	8100	8240	32300	77500	44900	13800	18000	20100	15600	12500	12000	9330	24
25	8010	8490	51200	78700	45100	13800	16800	19900	15500	12400	12000	9350	25
26	7990	8430	32700	97400	33500	13900	16200	19800	15500	12400	12000	9320	26
27	7970	8220	16900	87700	28400	14300	16500	19600	15400	12400	12000	9370	27
28	8100	8100	24800	76500	52300	15200	16500	19300	15300	12300	12000	9340	28
29	8270 *	8050	25600	68200		16200	16900	19100	15200	12300	11900	9430	29
30	8870	8230	14900	43600		16900	17400	19100	15200	12200	12000	9450	30
31	8690		12100	40200		17400		18200		12200	12000		31
MEAN	8453	8595	16130	48090	48520	18060	15710	19360	16550	12830	12080	9654	MEAN
MAX.	10100	10200	51200	131000	100000	57000	20700	21900	18000	14700	12300	12000	MAX.
MIN.	7930	7940	7780	7720	21800	12200	13000	16800	15200	12200	11900	9180	MIN.
AC. FT.	519700	511400	991700	2957000	2695000	1110000	934600	1191000	985000	788800	743000	574500	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
19340	139000	88.64	1	13	1200	7210	66.86	10	21	1630	14000000

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	147000	89.42	2/25/58	APR 45-DATE	APR 45-DATE	1945		100.00	USED
			163000 E	90.97	12/23/64			1945		97.15	USCGS

Station located 250 ft. above Vina-Corning Highway bridge, 2.6 mi. SW of Vina. The maximum discharges of record 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 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
1969	A02630	SACRAMENTO RIVER AT HAMILTON CITY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	8950	8010	8130	11000	36200	58500	17700	15900	16300	12900	9970	10900	1
2	8490	7520	8210	9880	30200	37300	17100	15700	16200	13000	9960	10900	2
3	7690	8140	8090	10300	25200	33300	16300	15500	15900	11400	9910	10700	3
4	7510	8580	7940	10400	22900	27200	14700	15100	15800	11300	9860	10000	4
5	7050	8300	7880	10900	29600	24500	15100	14800	15600	11300	9750	9290	5
6	7040	7990	7850	10400	52400	21900	20400	15000	15600	11200	9780	8480	6
7	6980	7920	7840	9790	36100	19900	17900	15900	15500	11100	9830	8300	7
8	7220	7920	7980	9030	28200	17700	15600 *	16400	15300	11000	9920	8310	8
9	7170	7870	8230	8330	34500	16800	14800	16900	15400	10800	9850	8330	9
10	7180	7990	18000	7640	45100	16300	14200	17500	15600	10700	9900	8320	10
11	7280	7980	29400	7720	46000	15500 *	13900	17700	15600	10600	9980	8390	11
12	7830	8620	14500	42800	87800	14200	14200	17800	15700	10600	9890	8400	12
13	8440	9090	10500	110000	75000	13500	14400	18200	15500 *	10500	9910	8420	13
14	8580	8610	20500	97300	60200	12900	14000	18600	15200	10500	9880	8570	14
15	8350	8990	24800	33700	85400	12500	13500	18500	15100	10400 *	9920	8580	15
16	8110	9070	26600	23400	83700	12100	12800	16500	14800	10300	9920	8710	16
17	7960	8700	14300 *	19200	63100	12400	11800	20000	14500	10200	10100	8770 *	17
18	7890	8990	11100	16800	58200	12800	12800	20300	14400	10100	10100	8840	18
19	7870	10100	9380	33300	56600	13400	13100	20300	14500	10100	10100	8890	19
20	7880	9060 *	8630	82100	54400	13200	12500	19800	14600	10200	10100	8900	20
21	7720	8560	8090	95700	51000 *	15600	12600	19500	14500	10100	10100	8940	21
22	7720	8230	7730	104000	38600	15100	13400	19400	14400	10100	10100 *	8940	22
23	7640	8080	8710	88800	37500	14000	14900	18800	14200	10000	10200	8930	23
24	7640	8090	25600	72500	44100	13900	16400	18600	14000	10100	10300	8850	24
25	7460	8260	48700	70300	47000	13900	15500	18500	13800	10000	10500	8850	25
26	7470	8300	35900	84000	34900	13900	14400	18300	13700	10100	10400	8830	26
27	7470	8110	18600	83800	29300	14300	14700	18100	13700	10200	10500	8860	27
28	7520	7990	21500	71400	48000	15200	14600	17800	13500	10100	10600	8820	28
29	7750	7930	27200	65800		16100	14800	17500	13400	9970	10700	8910	29
30	8280	8030	16000	46500		16900	15300	17400	13300	9920	10800	8910	30
31	8340		12600	40300		17400		16800		9910	10800		31
MEAN	7757	8368	15820	44740	47900	18460	14780	17650	14850	10600	10120	8961	MEAN
MAX.	8950	10100	48700	110000	87800	58500	20400	20300	16300	13000	10800	10900	MAX.
MIN.	6980	7520	7730	7640	22900	12100	11800	14800	13300	9910	9750	8300	MIN.
AC. FT.	477000	497900	972900	2751000	2660000	1135000	879500	1085000	883800	652000	622100	533200	AC. FT.

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
18160	126000	47.60	1	13	2130	6920	28.19	10	5	1815	13150000

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

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		PERIOD		DATUM OF GAGE	
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	FROM	TO	ZERO ON GAGE	REF. DATUM
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
			151000 E	49.64	12/23/64			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
1968	A04242	MUD CREEK NEAR CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	60	0.8	96	24	18	2.9	0.0	0.0 *	0.0	0.0	1
2	0.0	0.0 *	6.9	0.7	271	22	17	3.0	0.0	0.0	0.3	0.0	2
3	0.0 *	0.0	225	0.6	135	20	15	2.4	0.0	0.0	0.0	0.0	3
4	0.0	0.0	49	0.6	89	19	14	2.5	0.0	0.0	0.0	0.1	4
5	0.0	0.0	42	0.6	65	18	13	2.1	0.0	0.0	0.0 *	0.1	5
6	0.0	0.0	12	0.7	50	17	12	2.0	0.0	0.0	0.1	0.0	6
7	0.0	0.0	30	0.8	41	18	11	1.9	0.1	0.0	0.3	0.0	7
8	0.0	0.0	18	1.0	35	25	10	1.6	0.1	0.1	0.3	0.0	8
9	0.0	0.0	7.3	3.3	31	20	9.0	1.8	0.0	0.1	0.6	0.0	9
10	0.0	0.0	3.9	686	30	18	8.4	1.3	0.0 *	0.2	0.6	0.0	10
11	0.0	0.0	2.6	69	27	17	7.7	1.3	0.0	0.0	0.1	0.0	11
12	0.0	0.0	1.6 *	35	23	26	7.4	1.4	0.0	0.0	0.3	0.0	12
13	0.0	0.0	1.1	51	20	138	6.5	1.5	0.0	0.0	0.6	0.0	13
14	0.0	0.0	1.2	756	18	122	6.0	3.2 *	0.0	0.0	0.4	0.0	14
15	0.0	0.0	1.0 *	604 *	16	74	5.7 *	2.0	0.1	0.0	0.3	0.0	15
16	0.0	0.0	0.6	136	35	485	5.5	1.3	0.0	0.0	0.1	0.0	16
17	0.0	0.0	0.7	67 *	507	173	5.2	1.0	0.0	0.0	0.2	0.0	17
18	0.0	0.0	1.3	40	146	102	4.9	0.8	0.0	0.0	0.0	0.0	18
19	0.0	3.6	1.4	26	436	73	4.8	1.0	0.0	0.0	0.1	0.0	19
20	0.0	0.2	1.2	18	513 *	57	4.6	1.3	0.0	0.0	0.4	0.0	20
21	0.0	0.0	0.8	13	426	47 *	4.3	1.1	0.0	0.0	0.6	0.0	21
22	0.0	0.0	0.6	9.6	198	40	4.0	1.4	0.0	0.0	0.7	0.0	22
23	0.0	0.0	0.6	7.0	123	35	4.2	1.6	0.0	0.0	0.5	0.0	23
24	0.0	0.0	0.6	5.4	82	31	4.4	1.0	0.0	0.0	0.5	0.0	24
25	0.0	0.0	0.7	4.4	60	29	4.3	0.8	0.0	0.0	0.9	0.0	25
26	0.0	0.0	0.7	3.6	46	26	3.7	0.6	0.0	0.1	0.2	0.0	26
27	0.0	0.0	0.6	2.6	38	24	3.3	0.3	0.0	0.1	0.4	0.0	27
28	0.0	0.0	0.7	2.4	31	22	3.0	0.1	0.0	0.1	0.0	0.0	28
29	0.0	34	0.6	2060	27	20	3.0	0.0	0.0	0.2	0.0	0.0	29
30	0.0	36	0.6	726		19	3.0 *	0.0	0.0	0.1	0.0	0.0	30
31	0.0		0.8	159		18		0.0		0.0	0.0		31
MEAN	0.0	2.5	15.3	177	125	57.4	7.4	1.4	0.0	0.0	0.3	0.0	MEAN
MAX.	0.0	36	225	2060	513	485	18	3.2	0.1	0.2	0.9	0.1	MAX.
MIN.	0.0	0.0	0.6	0.6	16	17	3.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	146	940	10890	7170	3529	442	86	1	2	17	0.0	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
32.0	5950	10.28	1	29	2100	0.0		10	1		23220

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
1969	A04242	MUD CREEK NEAR CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	10	42	352	299	32	12	1.4	0.0	0.0	0.0	1
2	0.0	0.1	7.2	36	344	220	32	11	1.5	0.0	0.0	0.0	2
3	0.0	8.6	5.8	32	330	182	38	11	1.4	0.0	0.0	0.0	3
4	0.0	4.3	5.1	27	318	141	35	11	1.2	0.0	0.0	0.0	4
5	0.0	1.6	4.8	24	599	114	108	9.4	1.2	0.0	0.0	0.0	5
6	0.0	0.5	4.4	22	600	96	120	8.5	1.2	0.0	0.0	0.0	6
7	0.0	0.1	4.5	20	393	82	95 *	8.1	1.4	2.8	0.0	0.0	7
8	0.0	0.0	8.9	18	417	69	81	7.6	1.8	9.6	0.0	0.0	8
9	0.0	0.0	17	16	856	59	72	7.6	3.4	0.4	0.0	0.1	9
10	0.0	0.0	484	15	502	50 *	64	7.0	3.8	0.0	0.0	0.0	10
11	0.0	0.0	75	147	814 *	45	56	6.6	6.1	0.0	0.0	0.2	11
12	0.0	2.5	31	1900	877	42	51	6.0	4.6	0.0	0.0	0.2	12
13	0.0	3.1 *	44	6270 *	487	40	46	6.0	2.8	0.0	0.0	0.0	13
14	0.0	4.6	886	1070	638	36	43	6.1	2.2	0.0	0.0	0.0	14
15	0.0	25	514	515	1210	34	39	6.0	1.7	0.0	0.0	0.0	15
16	0.0	6.8	139 *	421	502	33	35	5.5	1.0	0.0	0.0	0.0	16
17	0.0	4.1	64	363	376	34	32	5.2	0.5 *	0.0	0.0	0.0	17
18	0.0	37	45	452	336	32	30	4.9	0.7	0.0	0.0	0.0	18
19	0.0	17	37	902	292	31	26	4.8	0.9	0.0	0.0	0.0	19
20	0.0	7.1	30	1500	286	35	24	4.5	1.1	0.0	0.0	0.0	20
21	0.0	4.6	23	5470 *	252	65	22	4.4	0.9	0.0	0.0	0.0	21
22	0.0	3.4	20	1130	215	45	21	4.2	0.4	0.0	0.0	0.0	22
23	0.0	2.9	157	596	327	39	35	4.1 *	0.2	0.0	0.0	0.0	23
24	0.0	3.4	1070	495	355	37	26	3.9	0.0	0.0	0.0	0.0	24
25	0.0	5.5	544	667	234	35	20	3.6	0.0	0.0	0.0	0.0	25
26	0.0	4.0	180	723	196	34	18	3.4	0.0	0.0	0.0	0.0	26
27	0.0	3.4	95	485	183	34	16	3.4	0.0	0.0	0.0	0.0	27
28	0.0	2.8	237	429	446	34	14	3.1	0.0	0.0	0.0	0.0	28
29	0.0	3.5	132	391		34	13	2.4	0.0	0.0	0.0	0.0	29
30	0.0	28	75	421		34	12 *	2.0	0.0	0.0	0.0	0.0	30
31	0.0		55	363		34		1.7		0.0	0.0		31
MEAN	0.0	6.1	161	805	455	67.7	41.9	6.0	1.4	0.4	0.0	0.0	MEAN
MAX.	0.0	37	1070	6270	1210	299	120	12	6.1	9.6	0.0	0.2	MAX.
MIN.	0.0	0.0	4.4	15	183	31	12	1.7	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	365	9927	49510	25260	4163	2491	367	82	25	0.0	1	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
127	10400	12.94	01	13	0845	0.00		10	01		92200

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
1969	A00928	MUD CREEK DIVERSION AT 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 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

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 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
1969	A04250	BIG CHICO CREEK AT CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	4.9	14	25	37	252	355	190	134	44	22	8.7	7.3	1
2	4.9	20	23	32	237	298	186	131	40	20	11	7.7	2
3	4.9	38	20	31	225	269	186	128	40	16	7.7	8.2	3
4	4.9	33	19	33	217	241	175	126	40	14	8.2	9.8	4
5	5.2	26	17	41	265	221	277	120	38	14	3.0	11	5
6	6.4	23	16	43	308	209	304	117	38	10	5.2	6.8	6
7	5.2	21	16	38	271	200	273	117	37	8.7	6.4	6.8	7
8	4.9	19	17	34	252	188	246 *	117	38	9.2	7.3	6.4	8
9	4.9	18	17	29	527	175	226	114	41	15	7.3	6.4	9
10	4.9	17	120	24	522	165	209	114	47	15	6.8	8.2	10
11	6.8	17	107	38	633	154	195	114	55	14	7.7	7.7	11
12	22	37	46	294	774	144	188	109	50	13	3.6	7.3	12
13	24	33 *	28	1120	537	138	181	104	37	13	7.7	7.3	13
14	22	31	112	541	435	132	176	99	31	9.8	6.8	8.2	14
15	18	34	163	277	723	128	170	92	31	9.8 *	7.3	7.7	15
16	14	32	143 *	210	563	128	162	85	29	11	6.8	7.7 *	16
17	12	34	64	173	415	131	157	80	28	10	5.2	8.2	17
18	12	43	31	160	349	135 *	154	76	28	12	7.3	8.7	18
19	11	44	19	256	302	141	168	70	30	12	5.2	9.2	19
20	11	34	18	687 *	279	147	149	66	29	12	6.8	9.8	20
21	10	29	22	1330	256	163	147	60	28	11	6.4	9.8	21
22	8.7	25	19	865	235	160	149	47	28	10	5.6 *	9.8	22
23	7.7	24	24	605	267	160	173	37	24	9.8	5.2	9.8	23
24	6.8 *	29	149	476	275	160	171	26	23	12	5.2	9.8	24
25	5.2	31	235	532	250 *	162	158	24	24	12	5.6	10	25
26	8.7	30	163	715	226	163	151	24	24	11	3.0	10	26
27	9.2	26	114	525	214	167	143	24	20	9.8	6.8	10	27
28	9.2	25	94	417	304	170	135	25 *	22	10	6.4	11	28
29	14	26	76	346		178	134	43	22	6.8	6.4	10	29
30	22	28	59	308		181	134	46	22	6.4	6.8	11	30
31	17		47	271		186		44		9.2	6.8		31
MEAN	10.4	28.0	65.3	338	361	179	182	81	33	11.9	6.5	8.7	MEAN
MAX.	24	44	235	1330	774	355	304	134	55	22	11	11	MAX.
MIN.	4.9	14	16	24	214	128	134	24	20	6.4	3.0	6.4	MIN.
AC. FT.	639	1668	4013	20800	20060	11010	10840	4984	1960	731	397	519	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
107	1640	10.37	1	21	0830	0.57	3.49	8	26	0015	77620

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
1969	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	73	154	364	100	40	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	64	135	254	95	38	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	62	117	208	95	35	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	68	105	176	80	35	0.0 *	0.0	0.0	0.0	4
5	0.0	0.0	0.0	85	160	150	222	32	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	88	202	136	254	29	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	81	154	124	202	29	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	71	134	110	165 *	29	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	62	666	96	135	28	0.0	0.0	0.0	0.0	9
10	0.0	0.0	464	52	668	85	111	27	0.0	0.0 *	0.0	0.0	10
11	0.0	0.0	346	85	955	75	94	27	0.0	0.0	0.0	0.0	11
12	0.0	0.0	117	1070	1500	67	86	25	0.0	0.0	0.0	0.0	12
13	0.0	0.0	73	2110 *	788	62	80	23	0.0	0.0	0.0	0.0	13
14	0.0	0.0	294	1550	488 *	57	75	22	0.0	0.0	0.0	0.0	14
15	0.0	0.0	689	634	1300	54	68	20	0.0	0.0	0.0 *	0.0	15
16	0.0	0.0	451 *	348 *	920	54	60	16	0.0	0.0	0.0	0.0	16
17	0.0	0.0	197	229	484	59	56	15	0.0	0.0	0.0	0.0	17
18	0.0	6.7	122	182	343	63 *	54	13	0.0	0.0	0.0	0.0	18
19	0.0	27	89	849	266	69	53	11	0.0	0.0	0.0	0.0	19
20	0.0	12	64	2870 *	230	75	50	9.7	0.0	0.0	0.0	0.0	20
21	0.0	2.8	42	2880 *	198	96	50	8.8	0.0	0.0	0.0	0.0	21
22	0.0	0.2	34	1930	172	84	50	11	0.0	0.0	0.0	0.0	22
23	0.0	0.0	51	948	214	80	75	18	0.0	0.0	0.0	0.0	23
24	0.0	0.0	428	496	222	80	71	25	0.0	0.0	0.0	0.0	24
25	0.0	0.0	808	652	188	79	60	23	0.0	0.0	0.0	0.0	25
26	0.0	0.0	436	1580	159	77	53	22	0.0	0.0	0.0	0.0	26
27	0.0	0.0	224	948	141	78	47	23	0.0	0.0	0.0	0.0	27
28	0.0	0.0	182	516	283	84	43	20 *	0.0	0.0	0.0	0.0	28
29	0.0	0.0	145	318		90	40	0.7	0.0	0.0	0.0	0.0	29
30	0.0	0.0	110	240		94	40	0.0	0.0	0.0	0.0	0.0	30
31	0.0		88	180		99		0.0		0.0	0.0		31
MEAN	0.0	1.6	176	688	405	106	88.8	21.1	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	27	808	2880	1500	364	254	40	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	52	105	54	40	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	97	10820	42290	22500	6504	5284	1300	0.0	0.0	0.0	0.0	AC. FT.

— ESTIMATED
IR — 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
123	3432	18.49	1	20	2215	0.0		10	1	0015	89220

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	3432	18.49	1-20-69	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
1969	A31302	GRINDSTONE CREEK NEAR ELK CREEK

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.6	5.0 *	20	102	440	500	1120	450	138	28	0.2	1.5	1
2	1.5 *	38	24 *	106	382	470	958	420	116	26	0.2	1.5	2
3	1.5	22	22	160	346	420	748	400	121	24	0.2	1.5 *	3
4	1.5	9.4	20	328	328	373 *	621	355	132 *	22	0.2	2.0	4
5	1.5	7.0	18	430	410	382	654	355 *	126	22	0.2	2.0	5
6	1.5	7.0	24	440	470 *	382	566	410	116	20	0.2	2.6	6
7	1.5	6.0	22	420	364	382	490	430	106	20	0.2	2.6	7
8	1.0	5.0	36	373	382	364	470	440	93	18	0.2	2.6	8
9	0.6	4.2	33	278	944	328	470	460	89	17	0.4	2.6	9
10	0.2	4.2	566	224	874	278	480	480	85	18 *	0.4	2.6	10
11	0.4	4.2	262	480	1940	238	544	450	81	18	0.2	2.6	11
12	0.2	14	143	2260	1680	217	643	470	76	17	2.6 *	2.6	12
13	0.6	9.4	110	2890	1090	198	577	430	65	17	3.4	2.6	13
14	12	9.4	126	1320 *	944	191	500	382	61	15	3.4	2.0	14
15	11	12	442	790	1140	210	450	310	55	15	3.4	2.0 *	15
16	8.2	9.4	224	566	874	302	430	294	55	15	2.6	2.6	16
17	7.0	9.4	143	420	720	500	480	294	49	14	2.0	2.6	17
18	3.4	118	110	400	665	599	566	302	49	12	2.0	2.6	18
19	2.6	49	106	2140	610	555	533	278	68	9.4	2.0	3.4	19
20	2.6	24	93	5010 *	544	599	522	246	55	11	2.6	3.4	20
21	2.6	24	85	5550	480	665	610	230	49	11	2.6	3.4	21
22	2.6	22	81	2550	420	621	698	224	43	9.4	2.6	2.6	22
23	2.6	20	97	1420	460	687	687	224	41	9.4	2.6	2.0	23
24	2.0	22	224	1090	621	698	544	230	41	8.2	2.6	2.0	24
25	2.6	22	262	1440	490	687 *	440	210	38	8.2	2.6	1.5	25
26	1.5	22	160	2880	420	776	391	191	36	8.2	2.6	1.5	26
27	1.5	20	126	1470	450	986	400	191	36	8.2	2.0	1.5	27
28	1.5	20	148	1090	643 *	1200	430	154	33	7.0	2.6	1.5	28
29	2.0	18	132	804		1420	490	148	31	6.0	2.6	1.5	29
30	2.6	22	121	632		1420	470	148	28	3.4	2.6	1.5	30
31	6.0		106	511		1270		143		2.0	2.0		31
MEAN	2.8	19.3	132	1244	683	578	566	314	70.4	14.2	1.7	2.2	MEAN
MAX.	12	118	566	5550	2010	1420	1120	480	138	28	3.4	3.4	MAX.
MIN.	0.2	4.2	18	102	328	191	391	143	28	2.0	0.2	1.5	MIN.
AC. FT.	172	1148	8100	76510	37950	35540	33680	19340	4189	872	107	133	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
309	7360	13.07	1	21	1015	0.2	9.32	10	9	1200	222854

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 156 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	A02570	SACRAMENTO RIVER AT ORD FERRY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	9290	8370	8540	11300	42700	66300	17900	15900	16400	13200	10100	11100	1
2	8880	8020	8550	10100	36300	49100	17500	15800	16300	13400	10100	11100	2
3	8250	8260	8530	10100	31400	41100	16700	15700	16100	12000	10100	10900	3
4	8050	8770	8410	10200	27500	35700	15300	15300	15900	11800	10100	10400	4
5	7740	8580	8360	10600	31500	30900	15500	14900	15700	11800	10000	9830	5
6	7640	8300	8350	10300	51800	27300	20900	15000	15700	11700	10100	9210	6
7	7560	8200	8350	9820	45300	24400	19400	15800	15500	11700	10100	8900	7
8	7710	8210	8450	9170	34400	21600	16600	16500	15300	11500	10200	8900	8
9	7720	8180	8680	8540	37900	20100	15500 *	16900	15400	11300	10200	8830	9
10	7710	8270	16000	7950	50800	19100	14900	17500	15600	11300	10200	8780	10
11	7770	8270	34500	7850	48300	18200	14500	17700	15600	11200	10300	8800	11
12	8110	8600	16700	34000	81700	16600 *	14600	17800	15800 *	11200	10300	8780	12
13	8630	9200	11700	92600	86300	15600	14900	18100	15600	11100	10300	8770	13
14	8830	8760	21600	108000	66900	14900	14600	18600	15300	11100	10300	8830	14
15	8680	9090	28700	52800	81400	14400	14100	18800	15100	11000	10300	8880	15
16	8430	9180	33300	32000	92800	14000	13500	16300	14900	10900 *	10300	8880	16
17	8320	8900	17100	26000	72600	14100	12500	20000	14600	10700	10400	8960	17
18	8270	8980	12600 *	21900	63700	14300	13000	20400	14600	10400	10500	8990 *	18
19	8250	10200	10600	34700	62000	14600	13500	20500	14600	10300	10500	9030	19
20	8250	9310 *	9510	73300	59100	14400	13000	20100	14700	10300	10500	9050	20
21	8190	8760	8800	100000	57800	16100	13000	19700	14600	10400	10500	9130	21
22	8080	8460	8270	106000	47200	16500	13500	19500	14500	10300	10600	9090	22
23	8080	8330	8640	98400	43900	14900	14800	19000	14400	10200	10700	9060	23
24	8040	8320	22500	84200	48800	14600	16500	18700	14200	10400	10700	9050	24
25	7950	8450	50500	78000	55200	14500	15800	18600	14000	10200	10800 *	9010	25
26	7900	8560	43100	86100	43800	14500	14700	18400 *	13900	10300	10800	9020	26
27	7910	8400	21300	92000	37800	14800	14800	18100	13900	10300	10800	9030	27
28	7910	8330	20100	80100	49300	15400	14700	17900	13800	10300	10900	9010	28
29	8090	8310	30900	72300		16200	14900	17500	13700	10100	10900	9050	29
30	8470 *	8410	17500	59800		17000	15300	17400	13600	10100	11000	9090	30
31	8630		13100	47100		17500		17000		10100	11100		31
MEAN	8172	8599	17200	47910	53150	21250	15210	17720	14980	10990	10440	9250	MEAN
MAX.	9290	10200	50500	108000	92800	66300	20900	20500	16400	13400	11100	11100	MAX.
MIN.	7560	8020	8270	7850	27500	14000	12500	14900	13600	10100	10000	8770	MIN.
AC. FT.	502500	511700	1058000	2946000	2952000	1307000	905300	1090000	891200	675600	642000	550400	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
19380	114000	67.29	1	14	0430	7500	46.27	10	7	1430	14030000

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	370000 126000 E	121.7 68.9	2/28/40 12/23/64	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
1969	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	0.0	0.0	0.0	512	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	661	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	1180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	876	8840	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	13600	4970	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	9140	3260	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	10400	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	7360	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	2530	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	1250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	119	665	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	8440	337	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	15700	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	16200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	10900	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	6870	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	6760	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	10400	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	8990	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	4950		0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	3030		0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0		0.0	84		0.0		0.0		0.0	0.0		31
MEAN	0.0	0.0	0.0	3744	1457	37.8	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	16200	10400	661	0.0	0.0	0.0	0.0	0.0	0.0	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.	0.0	0.0	0.0	230200	80940	2327	0.0	0.0	0.0	0.0	0.0	0.0	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
433	18200	81.42	1	14	2200	0.0		10	1		313500

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
1969	A02450	SACRAMENTO RIVER OPPOSITE MOULTON WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	9460					50800	17700	15100	16100	12900	9770	10900	1
2	9050					51500	17800	15300	15800	12800	9810	10900	2
3	8400					40300	17000	15200	15700	12000	9790	10900	3
4	7910					36100	16100	14900	15500	11400	9790	10600	4
5	7580					31200	15300	14600	15400	11300	9710	10100	5
6	7280					28000	18600	14500	15200	11200	9670	9370	6
7	7180					24800	20100	14900	15200	11200	9660	8710	7
8	7230					22300	17400	15500	15100	11000	9720	8640	8
9	7380					20700	16100	15900	15000	10800	9760	8620	9
10	7330					19800	15500 *	16400	15100 *	10700	9750	8630	10
11	7410	N	N	N	N	19000	14900	16700	15200	10600	9810	8630	11
12	7730	O	O	O	O	17900	14700	16900	15300	10500	9840	8660	12
13	8470	T	T	T	T	16800 *	15000	17100	15200	10500	9800	8700	13
14	8860					16200	14800	17500	15000	10400	9820	8760	14
15	8810	C	C	C	C	15700	14400	17900	14800	10300	9810	8850	15
		O	O	O	O								
16	8570	M	M	M	M	15200	13900	16200	14700	10200	9830	8950	16
17	8340	P	P	P	P	15100	13100	17900	14400	10100 *	9880	9040	17
18	8270	U	U	U	U	15100	12900	19100	14300	9990	9930	9090	18
19	8230	T	T	T	T	15500	13600	19400	14300	9920	9950	9160 *	19
20	8220	E	E	E	E	15300	13200	19400	14300	9930	9950	9230	20
		D	D	D	D								
21	8210					15800	13000	18900	14300	9910	10000	9270	21
22	7990					17500	13200	18700	14200	9870	10000	9310	22
23	8000					16000	14100	18500	14000	9860	10100	9270	23
24	7900					15500	15500	18000	13900	9880	10100	9220	24
25	7850					15300	15700	18000	13700	9800	10200	9210	25
26	7760					15200	14800	17700	13600	9800	10300 *	9200	26
27	7770					15300	14400	17500	13500	9900	10300	9210	27
28	7740					15700	14400	17300	13400	9910	10400	9220	28
29	7940					16200	14400	17000	13200	9840	10600	9200	29
30	8300					16800	14700	16800	13100	9740	10700	9240	30
31	8730					17300		16700		9730	10800		31
MEAN	8061					21420	15210	16950	14620	10520	9985	9293	MEAN
MAX.	9460					51500	20100	19400	16100	12900	10800	10900	MAX.
MIN.	7180					15100	12900	14500	13100	9730	9660	8620	MIN.
AC. FT.	495700					1317000	905100	1042000	869800	646600	614000	553000	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

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 13	122 01 50	SW12 17N 2W		85.5 83.0	3/ 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 west of weir, 4.8 mi. S of Princeton. Flow computed for irrigation season only. Computation of flow discontinued September 30, 1969.

- Flood season only.
8 - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	A02981	COLUSA WEIR SPILL TO BUTTE BASIN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	12500 *	22500	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	6760	26100	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	2240	12500	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	100	7430	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	1900 *	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	5950	39	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	17600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	7700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	2600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	11200 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	14600 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	22100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	13500	42700 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	46000 *	38700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	47500 *	32700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	14900	44700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	1340	42800 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	32600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	28300 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	12800	26300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	39500	24700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	51800 *	20800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	52700 *	12100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	46600	12600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	2690	39500 *	18200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	11300 *	37400	17200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	3480	42100	8470	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	41800 *	7040	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	35500 *		0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	32600 *		0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0		0.0	20400 *		0.0		0.0		0.0	0.0		31
MEAN	0.0	0.0	564	18570	18330	2274	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	11300	52700	44700	26100	0.0	0.0	0.0	0.0	0.0	0.0	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.	0.0	0.0	34650	1142000	1018000	139800	0.0	0.0	0.0	0.0	0.0	0.0	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
3224	56600	66.63	1	15	0100	0.0		10	1		2334000

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 if 1,650 ft.

- Flood season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	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													12
14													14
15													15
16					DATA INSUFFICIENT TO COMPUTE DISCHARGE								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.

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

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		
			1204 E 1136	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
1969	A04265	BUTTE CREEK NEAR DURHAM

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	64	65	155	277	873	1350	1080	853	335	111	20	5.0	1
2	69	139	148	259	786	1060	1030	789	286	107	26	4.1	2
3	69	298 *	134	250	713	996	1020	809	270	95	14	3.5	3
4	72	252	130	256	667	890	907	712	271	85	8.3	4.4	4
5	75	189	127	280	898	798	1680	691	271	90	5.7	4.6	5
6	73	154	125	288	1020	758	1530	802	267	96	4.9	4.6	6
7	63	129	121	288	781	720	1220	935	260	86	7.7	4.5	7
8	61	115	127	268	714	689	1080	1010	260	73	13	4.9	8
9	64	112	138	256	2200	664	1020 *	1070	265	65	16	6.7	9
10	64	111	1250	231	1760	644	945	1160	261 *	62	27	7.5	10
11	80	108	964	370	2420	644 *	939	1180	312	57	21	10	11
12	271	294	468	2200	3510	655	999	1140	280	58	9.1	20	12
13	295	237	356	8330 *	2130	622	959	1090	262	53	18	19	13
14	202	184	816	3110	1800	575	928	999	254	46	19	21	14
15	107	209	1170	1150	3640 *	554	868	827	232	50	20	34	15
16	84	187	847	692	2370	539	839	775	240	58 *	22	46	16
17	100	170	491	487	1640	532	865	748	194	57	21	57	17
18	103	211	374 *	435	1340	531	970	772	168	37	22	66 *	18
19	116	293	326	2030	1150	521	955	742	183	33	26	81	19
20	93	228	284	6910 *	1040	497	963	707	151	43	24	83	20
21	81	193	252	12900 *	935	563 *	1010	657	114	48	23	76	21
22	51	172	239	5470	841	531	1120	636	92	45	22	70	22
23	47	163	274	2850	1010	535	1330	625	72	55	23	105	23
24	46 *	164	954	1870	1040	542	1110	618	62	84	23	94	24
25	46	173	1340	2470	931	550	945	573	45	47	22 *	145	25
26	73	163	764	5070	829	569	832	567	36	23	15	106	26
27	80	151	493	2840 *	763	628	783	520 *	26	23	10	87	27
28	74	140	478	1980	1240	705	767	446	25	22	9.4	56	28
29	63	135	423	1450		783	866	404	23	23	11	47	29
30	121	163	351	1220		885	928	385	97	23	9.0	45	30
31	81		308	975		1020		380		22	5.6		31
MEAN	93.2	177	465	2176	1394	695	1016	762	187	57.3	16.7	43.9	MEAN
MAX.	295	298	1340	12900	3640	1350	1680	1180	335	111	27	145	MAX.
MIN.	46	65	121	231	667	497	767	380	23	22	4.9	3.5	MIN.
AC. FT.	5728	10520	28620	133800	77440	42740	60470	46850	11140	3525	1027	2614	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
586	15900	11.62	1	21	1100	3.5	2.49	9	2	1845	424500

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	184	32	18	5.3	2.5	0.0	0.0	2
3	0 0	1.5	6.0	23	195	168	35	18	5.2	3.4	0.0	0.0	3
4	0.0	2.7	5.4	20	184	160	31	17	5.1	3.7	0.0	0.0	4
5	0.0	3.8	5.1	18	284	131	126	16	5.1	3.1	0.0	0.0	5
6	0.0	2.7	4.7	16	294	110	109	15	5.0	3.0	0.0	0.0	6
7	0.0	2.2	4.6	15	214	102	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	145	12	381	78	47	12	6.6	2.9	0.0	0.0	10
11	0.0	1.8	49	74	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	197	355	361 *	55	36	11	5.7	1.0	0.0	6.0	14
15	2.1	15	165	203	678 *	51	33	10	5.7	0.0	0.0	0.1	15
16	1.2	8.4	79	159 *	389	49	31	9.9	5.7	1.1	0.0	0.0	16
17	0.8	5.8	37 *	156	255	50	31	9.7	4.9	3.7	0.0	0.0	17
18	0.7	14	26	192	203	47	29	9.4	5.1	2.3	0.0	0.0	18
19	0.7	11	20	404	171	44	28	9.3	5.1	1.3	0.0	0.0	19
20	0.6	7.3	16	664	167	47	27	9.0	5.0	1.1	0.0	0.0	20
21	0.6	5.6	13	1140 *	162	67 *	26	8.8	4.9	0.6	0.0	0.0	21
22	0.6	4.7	12	729	150	50	25	8.3	4.8	0.0	0.0	0.0	22
23	0.6	4.1	29	465	190	46	34	7.6	4.5	0.0	0.0	0.0	23
24	0.5	4.6	272	369	204	43	30	7.1	4.5	0.0	0.0	0.0	24
25	0.5	5.4	209	434	169	41	26	6.8	1.3	0.0	0.0	0.0	25
26	0.5	4.8	85	513	161	40	24	6.6	0.0	0.3	0.0	0.0	26
27	0.5	4.2	64	363	148	37	22	6.6	0.0	0.4	0.0	0.0	27
28	0.5	3.9	85	311	236	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	0.4	0.0	0.0	29
30	3.8	7.5	49	262		34	20	5.4	1.9	0.0	0.0	0.0	30
31	1.9		38	229		33		5.2		0.0	0.0		31
MEAN	1.0	5.2	57.0	288	285	75.9	39.7	10.8	4.5	1.7	0.0	0.2	MEAN
MAX.	4.6	15	272	1140	678	242	126	19	8.0	3.7	0.0	6.0	MAX.
MIN.	0.0	1.4	4.6	12	148	33	20	5.2	0.0	0.0	0.0	0.0	MIN.
AC. FT.	62	307	3505	17730	15840	4665	2360	661	270	106	0.0	12	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
62.9	1450	5.28	1	13	0945	0.0		10	1		55120

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
1969	A02984	CHEROKEE CANAL NEAR RICHVALE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.7	34	90	136	188	1020	57	60	46	19	28	23	1
2	0.6	39	71	119	180	454	57	77	50	22	23	17	2
3	1.9	82	61	107	154	481	77	70	54	33	23	9.5	3
4	4.5	88	58	102	142	243	67	70	61	32	30	10	4
5	1.5	57	55	95	678	169	277	60	61	26	23	5.3	5
6	0.6	45	52	89	833	156	400	59	53	22	26	3.5	6
7	0.4	43	50	85	325	139	178	35	50	23	23	9.3	7
8	0.4	41	52	82	243	126	110	63	47	28	23	5.4	8
9	0.3	40	54	78	1300	114	88	62	47	32	23	5.5	9
10	0.4	42	232	76	710	109	77	64	41	33	15	2.6	10
11	0.5	43	317	289	960	101	72	36	44	29	12	51	11
12	1.6	67	112	2630	1880	88	69	49	51 *	26	13	50	12
13	4.5	70 *	87	6820 *	682	79	65	62	48	24	14	44	13
14	24	54	1000	1570	649	70	64	64	45	28	15	43	14
15	22	137	659	762	2630 *	66	61	62	35	22	14	13	15
16	22	102	508	496	983	63	14 *	69	30	23	14	5.6	16
17	26	69	209	317	577	68	10	74	28	24 *	15	6.5	17
18	26	89	139	285	514	66	14	60	27	24	16	9.3	18
19	34	134	116	1840	361	60	17	48	27	24	20	11 *	19
20	28	78	100 *	1280	277	60	22	46	26	23	22	13	20
21	27	67	88	2750	253	125	24	46	24	25	23	10	21
22	27	61	80	1130	199	115	35	46	23	26	22	12	22
23	28	58	125	580	487	87	46	59	22	28	24	17	23
24	28 *	57	955	409	715	82	33	66	21	26	25	10	24
25	28	63	1190	753	577	73 *	24	61	21	26	23	7.9	25
26	28	57	466	1410	313	68	28	58	24	27	24 *	7.6	26
27	26	54	237	538	224	66	41	66	35	28	24	9.0	27
28	23	51	451	319	541	64	39	50 *	35	27	24	11	28
29	25	51	508	256		62	52	43	23	28	23	7.9	29
30	33	88	245	256		61	70	39	14	28	23	6.6	30
31	34		167	216		60		45		27	22		31
MEAN	16.4	65.4	275	835	628	148	72.9	57.1	37.1	26.2	21.5	14.7	MEAN
MAX.	34	137	1190	6820	2630	1020	400	77	61	33	30	51	MAX.
MIN.	0.3	34	50	76	142	60	10	35	14	19	12	2.6	MIN.
AC. FT.	1005	3890	16930	51320	34860	9114	4340	3509	2208	1613	1323	875	AC. FT.

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
181	11000	12.80	1	13	0730	0.3		10	9		131000

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

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 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-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	A02967	BUTTE SLOUGH AT OUTFALL GATES

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	280	166	242	660 E	0.0 E	0.0 E	0.0	202	413	0.0	0.0	450	1
2	209 E	195	216	837 E	0.0 E	0.0 E	0.0	152	413	0.0	0.0	471	2
3	128 E	242	181	711	0.0 E	0.0 E	0.0	159	385	0.0	0.0	517	3
4	67 E	267	152	497	0.0 E	0.0 E	0.0	230	352	0.0	0.0	532	4
5	0.0 E	235	144	334	0.0 E	0.0 E	0.0	274	316	0.0	310	586	5
6	0.0 E	242	112	188	0.0 E	0.0 E	0.0	280	298	0.0	287	660	6
7	0.0 E	280	120	255	0.0 E	0.0 E	0.0	280	286	0.0	233	767	7
8	0.0 E	274	86	216	0.0 E	0.0 E	0.0	223	292	0.0	226	799	8
9	0.0 E	255	36	209	0.0 E	0.0 E	120	202	286	0.0	241	818	9
10	0.0 E	202	86	304	0.0 E	0.0 E	136	202	286	166	249	736	10
11	0.0 E	209	0.0	340	0.0 E	0.0 E	0.0	230	292	209	260	660	11
12	0.0 E	209	0.0	166	0.0 E	0.0 E	0.0	267	311	0.0	245	660	12
13	0.0 E	174	0.0	0.0 E	0.0 E	128	292	267	334	0.0	238	679	13
14	0.0 E	144	33	0.0 E	0.0 E	209	242 *	286	334	0.0	253	654	14
15	0.0 E	188	0.0	0.0 E	0.0 E	235	76	274	352	0.0	257	600	15
16	209 E	255	0.0 E	174 E	0.0 E	267	0.0	242	340	0.0	264	586	16
17	0.0 E	298	0.0 E	0.0 E	0.0 E	304	166	379	316	0.0	276	596	17
18	0.0 E	316	0.0 E	235 E	0.0 E	286	418	0.0	298	0.0	217	605	18
19	20	379	918	0.0 E	0.0 E	223	396	0.0	248	0.0	184	591	19
20	20	391	1180 *	0.0 E	0.0 E	195	352	0.0	195	0.0	166	562	20
21	33	418	1180	0.0 E	0.0 E	195	304	0.0	152	0.0	166	517	21
22	20	460	899	0.0 E	0.0 E	0.0	280	33	67	0.0	171	445	22
23	36	465	605	0.0 E	0.0 E	0.0	267	144	0.0	0.0	166	316	23
24	67	471	0.0 E	0.0 E	0.0 E	0.0	280	248	0.0	0.0	129	216 *	24
25	86	465	0.0 E	0.0 E	0.0 E	0.0	235	292	0.0	0.0	143	67	25
26	86	423 *	0.0 E	0.0 E	0.0 E	0.0	0.0	323	0.0	0.0	205	20	26
27	86	362	0.0 E	0.0 E	0.0 E	0.0	248	346	0.0	0.0	283	94	27
28	76	362	0.0 E	0.0 E	0.0 E	0.0	195	369	0.0	0.0	298	56	28
29	103	316	0.0 E	0.0 E		112	103	385	0.0	0.0	276 *	20	29
30	159	274	0.0 E	0.0 E		0.0	112	391	0.0	0.0	350	0.0	30
31	152		0.0 E	0.0 E		0.0		402		0.0	407		31
MEAN	59.3	298	200	165	0.0	69.5	141	228	219	12.1	210	476	MEAN
MAX.	280	471	1180	837	0.0	304	418	402	413	209	407	818	MAX.
MIN.	0.0	144	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	3644	17730	12280	10170	0.0	4272	8374	14050	13020	744	12890	28320	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
173											125500

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 38 8 JAN 39-DATE	JUN 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 Wedsworth Canal near Sutter are made up almost entirely of return water from lands irrigated by Feather River diversions.

8 - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	A02380	SACRAMENTO RIVER AT MERIDIAN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	9510					34100	17200	14400	15600	12400	9490	10700	1
2	9390					35800	17500	14700	15300	12100	9480	10800	2
3	8950					32800	17300	14600	15100	12000	9470	10800	3
4	8270					31100	16800	14500	14900	11300	9480	10700	4
5	8100					29400	16200	14300	14700	11000	9620	10300	5
6	7760					27500	16800	14100	14600	10900	9700	9700	6
7	7770					24700	19200	14100	14500	10900	9660	9050	7
8	7810					22700	18300	14500	14400	10800	9620	8870	8
9	7990					21000	16800	14900	14300 *	10600	9630	8880	9
10	8110					19900	16100 *	15300	14300	10400	9680	8940	10
11	8260	N	N	N	N	19000	15600	15700	14400	10400	9700	8940	11
12	8450	O	O	O	O	18200	15300	15900	14500	10300	9740	8970	12
13	8560	T	T	T	T	17200	15300	16100	14500	10300	9720	8990	13
14	8610					16500 *	15300	16300	14400	10200	9700	9060	14
15	8680	C	C	C	C	16100	15300	16600	14300	10100	9720	9090	15
		O	O	O	O								
16	8800	M	M	M	M	15700	15200	16400	14100	10000	9690	9180	16
17	8910	P	P	P	P	15400	14300	16000	14000	9970	9750	9270	17
18	8650	U	U	U	U	15400	13400	17400	13700	9800 *	9720	9330	18
19	8470	T	T	T	T	15600	13700	17900	13600	9700	9710	9380	19
20	8440	E	E	E	E	15600	13700	18100	13600	9730	9680	9430	20
		D	D	D	D								
21	8420					15700	13300	17900	13500	9750	9730	9430	21
22	8260					16900	13200	17700	13500	9730	9760	9420 *	22
23	8240					16800	13600	17500	13300	9670	9810	9300	23
24	8140					16100	14500	17200	13200	9640	9810	9140	24
25	8090					16000	15300	17100	13000	9700	9880	8970	25
26	7970					15900	15200	16900	12900	9640	10000	8900	26
27	7940					15900	14300	16700	12800	9610	10200	8910	27
28	7900					15800	14300	16500	12700	9680	10200	8930	28
29	7980					15900	14200	16300	12600	9640	10400	8910	29
30	8290					16400	14200	16100	12500	9590	10500	8920	30
31	8790					16900		16000		9530	10600		31
MEAN	8371					20060	15380	16050	13960	10290	9802	9374	MEAN
MAX.	9510					35800	19200	18100	15600	12400	10600	10800	MAX.
MIN.	7760					15400	13200	14100	12500	9530	9470	8870	MIN.
AC. FT.	514700					1234000	915200	987200	830700	632900	602700	557800	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

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 42	121 55 00	SE13 15W 1W		64.4 60.59	3/1/40 1/7/65	MAR 54-OCT 54 JAN 55-DEC 55 MAR 56-DATE 8	15-DATE			0.00	USED

Station located 190 ft. below Meridian Bridge, State Highway 20, immediately NW of Meridian. Flow computed for irrigation season only. Publication of flow discontinued Oct. 1, 1969.

8 - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	A02965	RECLAMATION DISTRICT 70 DRAINAGE TO SACRAMENTO RIVER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	27	0.0	4.7	0.0	67	240	10	0.0	45	37	46	84	1
2	28	0.0	0.0	0.0	67	205	26	11	48	23	68	71	2
3	0.0	2.4	0.0	27	67	180	36	25	19	27	64	71	3
4	0.7	2.4	0.0	37	67	133	36	37	25	28	68	71	4
5	7.1	0.0	4.7	15	67	114	11	47	27	25	64	71	5
6	12	0.0	4.7	0.0	89	98	27	25	44	17	69	71	6
7	2.4	0.0	4.7	0.0	96	78	36	7.8	40	11	45	59	7
8	7.1	2.4	0.0	27	86	70	36	12	37	12	43	29	8
9	7.1	4.7	0.0	37	67	71	16	34	37	9.4	61	39	9
10	7.1	4.7	0.0	11	67	72	37	38	37	27	56	44	10
11	4.7	2.4	0.0	0.0	93	73	10	65	69	23	64	46	11
12	4.7	0.0	0.0	23	137	47	27	81	64	23	64	41	12
13	0.0	0.0	0.0	142	133	37	19	79	49	23	51	36	13
14	0.0	0.0	27	152	116	63	37	48	37	11	71	31	14
15	0.0	0.0	12	112	204	74	16	68	37	7.8	63	48	15
16	0.0	0.0	24	86	248	74	28	48	37	24	60	39	16
17	0.0	0.0	32	74	250	48	38	68	37	25	72	39	17
18	0.0	0.0	34	46	232	37	11	77	22	28	61	28	18
19	2.4	0.0	11	118	211	37	0.0	64	38	30	62	29	19
20	2.4	0.0	0.0	146	175	37	27	76	62	23	52	11	20
21	4.7	0.0	0.0	172	142	64	38	76	37	27	51	14	21
22	4.7	0.0	0.0	179	116	74	38	73	37	23	71	0.0	22
23	4.7	0.0	23	168	125	46	9.7	66	37	37	62	16	23
24	4.7	2.4	37	138	164	37	13	48	37	11	82	0.0	24
25	4.7	2.4	13	100	192	37	28	64	37	32	78	0.0	25
26	4.7	2.4	0.0	156	176	37	0.0	48	37	12	76	5.1	26
27	4.7	0.0	22	156	136	37	0.0	63	20	24	81	10	27
28	4.7	2.4	32	130	154	11	0.0	37	27	34	94	10	28
29	4.7	4.7	34	103		27	6.2	63	37	33	85	10	29
30	2.4	4.7	31	94		10	13	37	20	11	95	10	30
31	0.0		9.7	84		26		11		22	84		31
MEAN	5.1	1.3	11.6	81.7	134	70.8	21.0	48.3	37.9	22.6	66.6	34.4	MEAN
MAX.	28	4.7	37	179	250	240	38.0	81	69	37	95	84	MAX.
MIN.	0.0	0.0	0.0	0.0	67	10	0.0	0.0	19	7.8	43	0.0	MIN.
AC. FT.	312	75	715	5024	7426	4352	1249	2969	2255	1389	4092	2049	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
											31910

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 8 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.

8 - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	A02960	TISDALE WEIR SPILL TO SUTTER BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	9840 *	9390	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	9220	10800	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	7540	8780	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	5600 *	6920	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	4250	5490	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	5770	4580	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	10400	2930 *	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	9060	1550	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	6760	166	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	8110	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	9960	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	366	0.0	10600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	3640	11300 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	8280 *	13400	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	12900 *	11900	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	1200	7830 *	13000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	2700	7230 *	14000 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	4480	12400	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	3050	11600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	7780	11300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	11000	11200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	13400 *	10300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	13500 *	8570	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	13400 *	9230	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	881	11500	10200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	6750 *	8600	9900	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	4570	13100	8280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	1340	11800	7000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	699	11900		0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	3200	11900		0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0	0.0	44	11800 *		0.0	0.0	0.0	0.0	0.0	0.0	0.0	31
MEAN	0.0	0.0	702	6035	9667	1633	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	6750	13500	14000	10800	0.0	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	4250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	0.0	43140	371100	536900	100400	0.0	0.0	0.0	0.0	0.0	0.0	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	GAGE HT.	MO.	DAY	TIME	MINIMUM DISCHARGE	GAGE HT.	MO.	DAY	TIME	TOTAL ACRE FEET
1453	14400	49.12	2	17	0700	0.0		10	1		1052000

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
1969	A02250	SACRAMENTO RIVER ABOVE RECLAMATION DISTRICT 108 PUMPING PLANT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	9310					25700	18100	NR	15100	11200	8060	10200	1
2	9310					26400	18500	NR	14500	10900	8040	10400	2
3	8420					25700	18200	NR	13800	10900	8070	10500	3
4	8120					25100	17200	NR	13800	9960	8090	10500	4
5	7760					24600	15900	NR	13600	9600	8240	10200	5
6	7360					24400	15900	NR	13400	9380	8340	9640	6
7	7180					23600	18700	NR	13300	9380	8240	8940	7
8	7120					22800	19000	NR	13200	9270	8220	8600	8
9	7060					21600	17000	NR	13000 *	9060	8240	8590	9
10	7080					20600	16000	NR	13000	8880	8330	8690	10
11	7170					19900	15500 *	NR	13300	8830	8370	8820	11
12	7280					19100	15000	NR	13400	8730	8360	8860	12
13	7570					18000	14900	NR	13600	8690	8320	8830	13
14	8260	N	N	N	N	17100 *	14900	NR	13400	8680	8340	8910	14
15	8550	O	O	O	O	16500	14600	NR	13300	8580	8430	8990	15
		T	T	T	T								
16	8480					16200	16600	NR	13100	8490	8520	9060	16
17	8260	C	C	C	C	15700	13600	17600	13000	8520	8620	9160	17
18	7980	O	O	O	O	15500	12700	16300	12600	8510	8730	9290	18
19	7950	M	M	M	M	15700	12700	17200	12500	8350	8490	9330	19
20	7930	P	P	P	P	15900	12800	17700	12500	8330	8400	9370	20
		U	U	U	U								
21	7830	T	T	T	T	15600	NR	17500	12500	8380	8510	9360	21
22	7780	E	E	E	E	16800	NR	17100	12400	8370 *	8630	9320 *	22
23	7670	D	D	D	D	17000	NR	16900	12300	8280	8690	9310	23
24	7670					16000	NR	16600	11900	8160	8750	9200	24
25	7610					15800	NR	16400	11900	8140	8880	9020	25
26	7530					15700	NR	16400	11700	8050	9000	8870	26
27	7460					15800	NR	16300	11500	8160	9170 *	8860	27
28	7480					16000	NR	16000	11400	8290	9300	8880	28
29	7480					16400	NR	15800	11500	8180	9600	9020	29
30	7650					17000	NR	15600	11300	8050	9880	8970	30
31	8100					17700		15400		8010	9990		31
MEAN	7836					19030	NR	NR	12860	8849	8608	9256	MEAN
MAX.	9310					26400	NR	NR	15100	11200	9990	10500	MAX.
MIN.	7060					15500	NR	NR	11300	8010	8040	8590	MIN.
AC. FT.	481800					1170000	NR	NR	765200	544100	529300	550800	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

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 58	121 48 59	SW13 12N 1E				MAR 55-DATE ȣ	FEB 55-DEC 55 FEB 56-MAY 59 NOV 59-DATE				

Station located below Tyndall Landing, 2.5 mi. NW of Reclamation District 108 drainage pumping plant, 6.2 mi. W of Robbins. Flow computed for irrigation season only and should not be considered to have the same degree of accuracy as other records published in this report. Publication of flow discontinued Oct. 1, 1969.

ȣ - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	A02933	RECLAMATION DISTRICT 108 DRAINAGE TO SACRAMENTO RIVER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	99	0.0	0.0	110	177	549	0.0	146	381	227	266	394	1
2	77	0.0	0.0	0.0	158	453	140	287	342	211	276	387	2
3	0.0	0.0	110	98	127	334	44	265	342	227	282	374	3
4	0.0	0.0	0.0	0.0	127	254	0.0	415	342	156	266	374	4
5	84	0.0	0.0	94	172	127	142	293	347	254	260	403	5
6	0.0	0.0	0.0	0.0	337	212	68	298	347	156	266	352	6
7	0.0	0.0	0.0	99	241	130	0.0	180	347	231	263	352	7
8	150	0.0	0.0	0.0	170	130	137	298	487	218	260	365	8
9	0.0	0.0	0.0	101	215	132	25	298	419	221	276	312	9
10	0.0	0.0	122	0.0	127	134	70	347	440	221	286	364	10
11	98	153	0.0	0.0	331	137	0.0	439	425	254	288	438	11
12	76	0.0	0.0	127	408	137	88	439	496	214	280	307	12
13	0.0	0.0	0.0	230	307	137	59	456	446	254	283	307	13
14	58	0.0	118	297	286	0.0	0.0	432	446	228	312	307	14
15	0.0	0.0	0.0	305	532	144	74	422	446	240	292	237	15
16	0.0	0.0	247	300	648	142	80	432	425	240	283	234	16
17	0.0	106	0.0	250	509	124	0.0	480	409	260	312	202	17
18	0.0	0.0	140	215	509	0.0	126	586	360	257	312	151	18
19	0.0	0.0	0.0	624	494	144	0.0	464	365	244	312	151	19
20	98	0.0	88	361	292	106	0.0	472	387	240	312	51	20
21	0.0	115	64	534	254	77	219	459	375	237	312	150	21
22	0.0	0.0	0.0	561	216	128	0.0	418	302	240	344	0.0	22
23	0.0	0.0	101	550	195	0.0	146	425	454	251	312	154	23
24	0.0	0.0	0.0	397	379	142	69	425	302	261	312	70	24
25	0.0	0.0	0.0	324	517	68	159	348	454	254	343	99	25
26	0.0	108	269	572	314	0.0	142	425	302	261	312	0.0	26
27	0.0	0.0	0.0	412	254	144	144	395	397	264	312	86	27
28	0.0	0.0	123	250	412	49	144	378	307	280	312	0.0	28
29	0.0	0.0	0.0	237		0.0	144	345	397	266	367	96	29
30	0.0	0.0	132	190		144	146	393	307	270	376	0.0	30
31	133		97	203		68		387		266	358		31
MEAN	28.2	16.1	53.6	240	311	140	78.9	382	386	239	302	224	MEAN
MAX.	150	153	269	624	648	549	219	586	496	280	376	438	MAX.
MIN.	0.0	0.0	0.0	0.0	127	0.0	0.0	146	302	156	260	0.0	MIN.
AC. FT.	1732	956	3295	14760	17270	8620	4693	23498	23000	14680	18540	13320	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
199						0.0	0.0	10	3		144400

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 Bend 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
1969	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													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													21
MEAN	1.1	1.2	7.8	31.6	54.7	29.4	13.4	51.2	36.1	41.6	50.6	19.5	MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.	68	71	478	1940	3040	1810	799	3150	2150	2560	3110	1160	AC. FT.

RECORDS SUFFICIENT TO COMPUTE ONLY MONTHLY FLOWS

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
											20340

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
1969	A02976	COLUSA BASIN DRAIN AT HIGHWAY 20

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	293	268	169	625	1050	3160	460	268	608	498	767	1120	1
2	266	279	158	544	863	3220	528	314	582	441	785	1110	2
3	226	435	135	498	732	3280	608	416	604	420	779	1140	3
4	211	469	133	450	640	3230	608	620	616	437	777	1150	4
5	203	500	139	403	869	2960	515	705	620	445	734	1150	5
6	205	492	137	392	2110	2460	506	504	635	471	703	1160	6
7	220	511	133	367	2530	1900	526	488	663	475	692	1130	7
8	179	676 E	141	348	2320	1460	452 E	532	686 #	471	701	1140	8
9	158	663 E	137	333	2200	1180	441 E	730	696	441	715	1140	9
10	146	656 E	238	310	2130	1700	392 E	966	936	488	748	1060	10
11	162	627 E	443	323	1990	1560	393 E	1160	1030	526	779	1010	11
12	167	599 E	371 *	578	2570	1020	422 E	1310	1190	547	767 *	992	12
13	152	568 E	319	1750	2640	867	428 E	1430	1200	602	871	958	13
14	173	538 E	705	2320	2620	752	433 #	1470	1130	591	830	904	14
15	222	511 E	1100	2240	3440	690	409 E	1430	1050	557	830	916	15
16	219	483 E	1370	2220	4230	633	471 E	1380	936	580	888	904	16
17	179	452 E	984	2160	4890 *	620	333 E	1350	775	587	960	855	17
18	173	424 E	719	1900	5070	612	317 E	1290	719	593 *	914	802	18
19	226	393 E	595	2350	4890	542 *	350 E	1280	721	583	936	728	19
20	219	367 E	504	2740	4430	511	296 E	1220	703 *	637	962	638	20
21	209 *	336 E	426	3080	3920	812	279 E	1180	705	661	1010	561	21
22	203	308 E	374	3590	3380	936	226 E	1200	730	654	1030	479	22
23	207	279 E	443	3610	2830	676	260 E	1150	744	692	1020	395	23
24	200	251 E	1080	3540 *	2640	532	338 E	1110	707	703	1000	295 *	24
25	215	220 E	1690	3280	2810	454	354 E	1090	595	680	1000	247	25
26	230	192 #	1850	3090	2650	407	376 E	1050	561	703	1100	226	26
27	205	203	1510	2900	2400	372	363 E	1010 *	524	744	1100	220	27
28	205	184	1190	2480	2580	367	348 E	986	504	738	1140	217	28
29	234	165	1100	1990		336	316 E	950	521	762	1140 *	217	29
30	306	167	914	1570		293	312 E	853	521	752	1140	215	30
31	289		730	1300		418		719		760	1140		31
MEAN	210	407	643	1719	2694	1225	402	973	740	589	902	769	MEAN
MAX.	306	676	1850	3610	5070	3280	608	1470	1200	762	1140	1160	MAX.
MIN.	146	165	133	310	640	293	226	268	504	420	692	215	MIN.
AC. FT.	12900	24230	39540	105700	149600	75290	23920	59820	44060	36220	55450	45780	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
929	5120	50.96	2	18	0730	129	38.01	12	6	22.45	672500

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	? 5120	51.93 50.96	2/21/58 2/18/69	JUN 24-DEC 40 8 MAY 41-DATE	JUN 24-DEC 40 8 MAY 41-DATE	 1957	1957	37.09 0.00	USED

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
1969	A02945	COLUSA BASIN DRAIN AT KNIGHTS LANDING

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	220	203	174	0.0	0.0	0.0	0.0	0.0	0.0	188	552	889	1
2	194	179	130	597	0.0	0.0	0.0	0.0	306	117	600	870	2
3	174	357	112	763	0.0	0.0	0.0	0.0	194	117	600	NR	3
4	180	440	50	745	0.0	0.0	0.0	388	548	86	604	NR	4
5	156	436	90	712	0.0	0.0	0.0	613	597	69	568	NR	5
6	181	740	90	352	0.0	0.0	0.0	620	620	163	504	NR	6
7	131	666	90	330	0.0	0.0	0.0	574	636	164	500	NR	7
8	139	578	132	316	0.0	0.0	0.0	504	658	135	560	NR	8
9	83	647	548	328	0.0	0.0	0.0	522	564	66	568	NR	9
10	60	450	1170	338	0.0	0.0	0.0	574	679	122	580	NR	10
11	38	288	1140	370	0.0	0.0	0.0	574	NR	170	656	NR	11
12	106	238	0.0	329	0.0	0.0	0.0	597	NR	218	616	NR	12
13	38	169	0.0	0.0	0.0	0.0	0.0	582	NR	265	606	NR	13
14	98	55	0.0	0.0	0.0	0.0	0.0	597	NR	308	544	NR	14
15	108	254	0.0	0.0	0.0	0.0	0.0	238	NR	264	526	NR	15
16	107	452	0.0	0.0	0.0	0.0	0.0	0.0	NR	288	603	NR	16
17	105 *	384	0.0	0.0	0.0	0.0	0.0	0.0	NR	312	670	NR	17
18	59	348	0.0	0.0	0.0	0.0	0.0	0.0	NR	338	706	NR	18
19	135	393	845 *	0.0	0.0	0.0	0.0	0.0	NR *	252	706	NR	19
20	154	344	834	0.0	0.0	0.0	0.0	0.0	474	319	733	NR	20
21	130	459	529	0.0	0.0	0.0	0.0	0.0	474	360	837	NR	21
22	130	475	440	0.0	0.0	0.0	0.0	0.0	503	360 *	876	NR	22
23	130	274	447	0.0	0.0	0.0	0.0	0.0	528	361	864	NR *	23
24	82	286	558	0.0	0.0	0.0	0.0	0.0	497	400	879	222	24
25	82	265	0.0	0.0	0.0	0.0	0.0	0.0	305	360	799	189	25
26	130	412	0.0	0.0	0.0	0.0	0.0	0.0	301	318	884	130	26
27	82	226 *	0.0	0.0	0.0	0.0	0.0	0.0	452	400	911	130	27
28	38	162	0.0	0.0	0.0	0.0	0.0	0.0	228	460	893 *	131	28
29	130	154	0.0	0.0		0.0	0.0	0.0	232	500	926	90	29
30	227	132	0.0	0.0		0.0	0.0	0.0	219	520	896	116	30
31	250		0.0	0.0		0.0		0.0		536	896		31
MEAN	125	349	238	167	0.0	0.0	0.0	206	NR	275	699	NR	MEAN
MAX.	250	740	1168	763	0.0	0.0	0.0	620	NR	536	926	NR	MAX.
MIN.	38	55	0.0	0.0	0.0	0.0	0.0	0.0	NR	66	500	NR	MIN.
AC. FT.	7690	20760	14630	10270	0.0	0.0	0.0	12660	NR	16930	42970	NR	AC. FT.

59.5 25000 35000

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

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

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 δ JAN 40-DATE	MAY 24-OCT 39 δ 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 undertermined 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.

δ - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	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	13.1	14.4	8.7	5.1	8.6	2.3	0.0	2.5	3.5	MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.	0.0	0.0	0.0	803	799	536	304	531	137	0.0	156	210	AC. FT.

RECORDS SUFFICIENT TO COMPUTE ONLY MONTHLY FLOWS

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
											3476

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

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
1968	A02930	FREMONT WEIR SPILL TO YOLO BYPASS

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	16400	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	10400	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	0.0	4400	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	181	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	3320	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	8250	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	14800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34
25	0.0	0.0	0.0	0.0	17500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	18000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	20300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	21600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0	20000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
21	0.0		0.0	0.0		0.0		0.0		0.0	0.0		31
MEAN	0.0	0.0	0.0	0.0	4268	1012	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	0.0	20300	16400	0.0	0.0	0.0	0.0	0.0	0.0	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.	0.0	0.0	0.0	0.0	245600	62240	0.0	0.0	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 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
424	22100	34.98	2	28	0700	0.0					307840

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
1969	A02930	FREMONT WEIR SPILL TO YOLO BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	59600	24300	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	33800	27200	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	20000	26600	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	12200	20500	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	6240	13500	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	8850	17500	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	12000	3170	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	12400	557	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	12200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	12700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	14400	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	26000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	37300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	48100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	11940	58400	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	41000	73300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	26900	74900	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	12700	71200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	7960	62000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	24300	47000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	74400	36400	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	103700	29800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	117900	26600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	114400	23700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	110300	25700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	112300	28100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	120500	23700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	111300	19000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	100600		0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	88800		0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0		0.0	78200		0.0		0.0		0.0	0.0		31
MEAN	0.0	0.0	0.0	40600	32700	4300	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	120500	74900	27200	0.0	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	6240	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	0.0	0.0	2494000	1816000	264490	0.0	0.0	0.0	0.0	0.0	0.0	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
6320	124000	37.06	1	27	0530	0.0		10	1	2400	4575000

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 locstions. 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
1969	A02972	BUTTE SLOUGH NEAR MERIDIAN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	196	159	213	2750	29100	19200	1250 E	795	1170 E	375	476	388	1
2	189	153	215	1560	22700	25000	1270 E	861	1100 E	349	492	402	2
3	160	149	209	1060	17200	25400	1260 E	849	1040 E	340	515	418	3
4	119	159	202	862	12600	21100	1270 E	841	984 E	292	526	407	4
5	100	178	197	765	9340	16400	1170 E	812	928 E	267	379	378	5
6	90	178	192	719	8330	12200	1220 E	781	874	261	271	353	6
7	96	173	190	659	14500	9070	1380 E	779	846	262	253	329	7
8	78	169	181	582	17000	6830	1410 E	834	827	259	242	319	8
9	69	164	181	486	14200	5320	1350 E	910	803	243	243	320	9
10	66	149	200	443	13900	4420	1250 E	989 E	793	248	249	325	10
11	69	151	534	392	17700	3660	1180 #	1080 E	812	269	259	309	11
12	78	154	1050	524	20900	3090	1100 E	1170 E	829	307	260	312	12
13	103	168	1060 *	2580	31400	2500	1090 E	1230 E	856	330	259	318	13
14	144	194	719	22800	46500	1940	1080 E	1280 E	844	325	259	317	14
15	168	189	1220	53600	47600	1560	1030 E	1350 E	815	325	265	306	15
16	165	213	1830	51000 *	53200	1380	962	1320 E	788	325	268	306	16
17	147	239	2540	31600	64500	1270	864	1230 E	747	328	277	311	17
18	131	236	2750	21100	59400 *	1240	753	1450 E	699	341	252	319	18
19	125	264	2020	15700	48700	1220 *	788	1500 E	665	356	234	322	19
20	124	341	1380	14400	41500	1210	777	1500 E	646 *	385	229	317	20
21	124 *	329	1000	24000	35900	1210	673	1510 E	627	412	232	304	21
22	119	303	708	49600	31300	1360	629	1510 #	611	436	242	285	22
23	116	282	526	75200	26200	1380	673	1510 E	524	412 *	249	247	23
24	116	267	555	81300 *	22300	1250	832	1490 E	494	391	239	214	24
25	115	265	1350	71200	22000	1170	1010 E	1460 E	519	373	246	174 *	25
26	110	263	4250	60700	23500	1120	949 E	1430 E	473	384	268	160	26
27	107	249	10900	59200	21100	1090	827	1400 E	421	393	310	164	27
28	106	246	8880	62800	17400	1110	791	1370 E	415	408	330	165	28
29	109	231 *	6940	56900		1190	758	1330 E	393	432	347 *	160	29
30	123	220	5640	49500		1260	749	1280 E	393	451	351	158	30
31	145		4540	40400		1290		1240 E		466	363		31
MEAN	120	214	2012	27560	28210	5724	1012	1196	731	347	303	294	MEAN
MAX.	196	341	10900	81300	64500	25400	1270 E	1510 E	1170 E	466	526	418	MAX.
MIN.	66	149	181	392	8330	1090	629	779	393	243	229	158	MIN.
AC. FT.	7353	12760	123700	1695000	1567000	351400	60190 E	73570 E	43520 E	21310	18610	17470	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
6263	83400	58.30	1	24	0715	65	39.46	10	10	1530	4534000

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 .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.

\# - Flood season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	A05929	WADSWORTH CANAL NEAR SUTTER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	132	75	68	57	222	639	62	48	186	143	194	200	1
2	117	79	68	56	180	395	58	27	187	131	207	192	2
3	115	77	69	55	150 *	342	55	56	175	135	195	206	3
4	125	73	69	53	131 *	262	51	80	178	149	190	202 *	4
5	127	69	71	48	144	226	59	103	172	149	180	184	5
6	141	73	71	45	261	202	57	49	154	156	178	200	6
7	166	70	68	43	184 *	162	52	41	187	181	177	220	7
8	163	68	68	41	186	166	49	89	225	163	178	219	8
9	141	66	69	37	292	183	47	102	272	130	172	213	9
10	144	60	75	38	290	140	46	146	233	159	176	143	10
11	159	60	84	48	432	125	43	174	230	169	183	140	11
12	181	62	78	418	623	118	42	199	230	170	219	159	12
13	193	62 *	54 *	1311	320	114	39	176	208	184	189	161	13
14	188	66	127	1041	323	106	34	152	199	169	165	180	14
15	184	83	163	751	860	100	21	153	193	139	164	239	15
16	193	85	161	591	715	96	31	186	162	132	193	237	16
17	201	75	112	401 *	465	104	47 *	222	108	137	193	207	17
18	198	72	97	374	488 *	98	65	270	108	149	180	180	18
19	201	79	83	858	405	89	59	254	96	169	154	168	19
20	204	79	73	760	324	84 *	53	255	105	194	135	189	20
21	195	83	65	1020	278	94	69	217	120	184	141	233	21
22	200	76	58	842	243	88	116	221	162	149	159	211	22
23	194	72	53	593	280	81	138	215	161	176	192	171	23
24	196	73	73	529	437	71	157	240	150	163 *	186	160	24
25	190	70	121	553	419	65	163	198	162	153	149	148 *	25
26	188	70	107	854	352 *	67	134	203	144	178	144	139	26
27	184	70	108	602	266	65	81	232	140	195	163	127	27
28	207	71	99	438	506	63	50	241	140	211	153	153	28
29	209 *	70	123	372		61	66	229 *	145	198	176	155	29
30	177	71	86	337		58	55	219	156	185	174	139	30
31	109		71	245		62		182		195	179		31
MEAN	172	72.0	86.8	433	349	146	66.6	167	170	164	175	182	MEAN
MAX.	209	85	163	1311	860	639	163	270	272	211	219	239	MAX.
MIN.	109	60	53	37	131	58	21	27	96	130	135	127	MIN.
AC. FT.	10560	4282	5340	26600	19390	8477	3965	10270	10090	10110	10790	10860	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
											130734

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
1969	A05921	STATE PUMPING PLANT 2 DRAINAGE TO SUTTER BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	40	23	24	0.0	178	289	14	36	174	106	189	197	1
2	36	30	24	0.0	174	242	14	72	159	108	177	200	2
3	38	30	26	72	126	212	15	80	146	95	180	207	3
4	42	24	23	12	103	178	14	141	139	93	189	208	4
5	44	28	30	37	115	142	6.8	180	149	97	195	214	5
6	45	23	30	72	148	130	5.2	144	143	100	200	210	6
7	42	19	30	72	95	102	0.4	100	161	101	179	200	7
8	42	24	26	84	109	90	0.0	98	156	103	177	188	8
9	44	23	24	108	119	60	33	115	154	107	179	178	9
10	39	24	36	116	110	62	26	148	181	112	183	161	10
11	42	23	40	121	136	45	30	160	194	112	179	132	11
12	42	26	4.8	181	214	59	0.0	158	200	111	181	125	12
13	42	26	0.0	282	190	66	15	94	199	107	181	123	13
14	40	26	0.0	353	191	43	0.0	104	200	101	190	117	14
15	50	30	0.0	353	375	37	0.0	132	189	104	183	121	15
16	48	35	0.0	295	443	37	23	193	162	104	183	150	16
17	35	34	19	220	366	36	14	218	136	94	184	154	17
18	32	36	56	172	396	30	49	209	106	101	181	169	18
19	31	34	23	344	342	30	48	178	94	103	181	148	19
20	31	35	54	453	269	33	46	219	120	107	190	132	20
21	31	23	0.0	587	222	31	54	215	106	129	192	121	21
22	28	23	0.0	621	173	28	0.0	203	107	131	193	93	22
23	26	24	35	548	180	26	0.0	195	145	120	186	51	23
24	26	26	223	491	197	28	6.9	193	152	115	184	40	24
25	26	32	20	447	227	30	11	199	163	123	196	44	25
26	24	35	49	503	181	34	19	178	141	121	188	41	26
27	21	35	108	465	178	34	38	178	116	116	185	42	27
28	26	34	45	313	178	30	46	178	112	129	188	38	28
29	23	28	0.0	244		13	35	119	112	163	195	40	29
30	18	24	54	232		6.0	22	90	111	170	191	35	30
31	21		66	206		6.0		90		166	205		31
MEAN	34.7	27.9	34.5	258	205	70.6	19.5	149	148	114	187	129	MEAN
MAX.	50	36	223	621	443	289	54	219	200	170	205	214	MAX.
MIN.	18	19	0.0	0.0	95	6.0	0.0	36	94	93	177	35	MIN.
AC. FT.	2132	1660	2122	15880	11380	4342	1161	9158	8781	7039	11470	7694	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
											82820

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
1969	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	11	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.0	0.0	0.0	12	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	19	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	18	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	9.9	0.0	0.0	24	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	7.4	0.0	0.0	23	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8 E	7.6	0.0	0.0	18	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8 E	3.9	0.0	0.0	15	12
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 E	2.3	0.0	0.0	9.9	13
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 E	2.2	0.0	0.0	7.5	14
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 E	5.9	0.0	0.0	3.8	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 E	5.7	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	15	0.0	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	2.1	0.0	20
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	5.3	0.0	21
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	11	0.0	22
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	10	0.0	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	9.1	0.0	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	9.1	0.0	25
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	9.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	8.6	0.0	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	12	0.0	28
29	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	11	0.0	29
30	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	7.6	0.0	30
31	0.0		0.0	0.0		0.0		0.0		0.0	13		31
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.9	0.0	4.0	6.9	MEAN
MAX.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	9.9	0.0	15	24	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.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52	174	0.0	244	413	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
											883

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
1969	A02963	RECLAMATION DISTRICT 1660 DRAINAGE TO TISDALE BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	30	22	24	47	164	179	27	31	45	25	43	57	1
2	30	23	22	33	176	176	24	29	40	40	35	56	2
3	27	25	22	35	150	176	25	26	43	26	46	54	3
4	27	24	22	37	147	140	26	36	51	28	44	53	4
5	27	23	22	28	141	130	28	39	5.3	29	44	52	5
6	26	22	22	30	173	111	24	27	41	30	40	54	6
7	25	23	22	23	150	94	23	7.0	39	30	35	50	7
8	25	22	23	14	135	96	26	8.4	43	35	34	45	8
9	25	22	22	32	138	81	24	25	43	38	29	54	9
10	25	22	24	32	135	80	28	37	40	37	35	50	10
11	25	22	25	28	146	68	26	33	40	49	34	50	11
12	25	22	20	39	176	64	21	46	40	33	43	50	12
13	24	22	8.5	176	160	53	15	57	40	34	35	48	13
14	25	21	30	184	155	59	21	53	40	38	39	46	14
15	24	26	41	168	246	50	14	69	43	28	39	41	15
16	23	25	33	155	252	50	19	66	42	26	48	41	16
17	23	25	38	134	219	50	9.9	70	43	35	58	36	17
18	24	26	35	157	228	50	19	76	33	38	57	38	18
19	24	26	34	226	209	50	19	86	55	41	68	36	19
20	23	26	31	276	165	50	19	76	53	46	44	38	20
21	22	25	26	264	168	50	19	81	52	49	47	33	21
22	24	24	25	258	154	34	8.5	84	52	43	54	29	22
23	23	24	27	240	154	50	16	71	50	40	63	31	23
24	24	25	9.0	202	192	29	26	75	50	34	46	30	24
25	24	22	45	205	126	37	24	79	46	34	59	30	25
26	23	23	37	210	138	25	51	54	37	35	56	30	26
27	23	24	40	215	135	32	25	57	38	42	53	28	27
28	22	23	51	210	182	36	32	57	29	43	56	27	28
29	22	24	47	210		60	9.0	61	35	36	60	27	29
30	23	24	36	210		28	32	55	25	37	63	27	30
31	23		42	205		32		51		42	58		31
MEAN	24.5	23.6	29.2	138	168	71.6	22.7	52.3	41.1	36.2	47.3	41.4	MEAN
MAX.	30	26	51	276	252	179	51	86	55	49	68	57	MAX.
MIN.	22	21	8.5	14	126	28	8.5	7.0	5.3	25	34	27	MIN.
AC. FT.	1507	1402	1796	8495	9350	4403	1350	3218	2446	2223	2906	2461	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
											41557

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 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
1969	A02926	RECLAMATION DISTRICT 1500 DRAINAGE TO SACRAMENTO SLOUGH

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	61	69	30	184	346	728	107	127	352	148	206	410	1
2	67	35	0.0	119	406	985	107	255	339	41	222	358	2
3	61	46	30	100	356	475	107	255	324	151	226	385	3
4	66	34	0.0	105	345	404	114	412	280	167	227	449	4
5	113	0.0	67	71	480	360	153	332	261	145	208	432	5
6	89	0.0	0.0	102	481	469	132	289	279	109	235	439	6
7	36	0.0	0.0	78	360	322	96	283	308	106	180	533	7
8	25	0.0	61	78	360	310	112	309	306	105	183	397	8
9	23	0.0	0.0	76	409	288	123	320	369	114	197	401	9
10	0.0	37	67	65	431	271	124	296	368	118	224	340	10
11	0.0	0.0	44	77	477	258	124	527	372	126	206	325	11
12	36	37	21	178	974	232	159	291	398	143	251	330	12
13	36	0.0	0.0	486	448	230	140	384	382	137	214	341	13
14	30	49	75	432	575	215	128	383	382	152	217	318	14
15	24	0.0	169	360	722	192	117	382	367	151	217	298	15
16	24	61	60	315	1460	178	125	491	319	157	155	283	16
17	24	36	79	300	658	182	129	502	274	134	271	220	17
18	24	0.0	71	407	975	183	102	548	234	113	238	109	18
19	24	73	97	1160	823	127	0.0	419	233	135	274	178	19
20	24	0.0	86	1060	601	191	238	406	230	173	274	110	20
21	24	41	76	1450	497	214	162	375	155	184	270	79	21
22	24	32	83	1340	438	127	175	407	271	174	367	80	22
23	20	30	72	843	490	110	227	372	205	180	304	108	23
24	16	55	73	633	705	170	250	392	187	206	312	65	24
25	16	24	209	843	719	143	253	438	185	151	292	78	25
26	16	16	190	1170	531	229	261	400	181	280	316	70	26
27	20	0.0	188	724	479	83	211	444	160	363	320	62	27
28	20	61	124	507	649	119	211	444	165	198	337	59	28
29	20	0.0	124	467		119	172	373	152	198	347	60	29
30	20	55	186	531		111	102	366	157	202	388	60	30
31	93		93	396		103		383		206	493		31
MEAN	34.7	26.4	76.6	473	578	262	149	374	273	160	264	246	MEAN
MAX.	113	73	209	1450	1460	985	261	548	398	363	493	533	MAX.
MIN.	0.0	0.0	0.0	65	345	83	0.0	127	152	41	155	59	MIN.
AC. FT.	2134	1569	4711	29070	32120	16120	8848	23020	16260	9852	16210	14630	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
											174500

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 δ 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.

δ - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	A02925	SACRAMENTO SLOUGH AT SACRAMENTO RIVER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	460	361	382	6080	F	F	1040	1420	2010	815	879	1160	1
2	452	289	357	5220	F	F	1300	1390	1870	773	832	1100	2
3	452	291	360	3920	F	F	1290	1950	1960	697	865	1160	3
4	435	270	341	2780	F	F	986	1910	1900	650	818	1280	4
5	434	286	375	2560	F	F	F	1470	1610	625	726	1370	5
6	386	269	259	1750	F	F	F	1240	1470	590	306	1340	6
7	340	316	256	1460	F	F	F	1050	1450	589	602	1330	7
8	306	305	347	1200	F	F	F	945	1460	624	344	1220	8
9	314	283	232	936	F	F	F	1040	1520	644	A	1310	9
10	270	337	292	759	F	F	F	1130	1640	632	484	1120	10
11	195	286	169	863	F	F	F	1280	1620	592	603	1100	11
12	295	334	606	1940	F	F	F	1240	1650	647	248	1000	12
13	351	238	1450	4480	F	F	F	1470	1650	646	612	976	13
14	385	270	1600	F	F	F	F	1620	1630	640	833	956	14
15	486	289	1250	F	F	4460	F	1060	1650	732	780	932	15
16	413	378	854	F	F	3640	F	F	1510	690	758	936	16
17	415 *	390	1660	F	F	2840	F	F	1420	615	767	969	17
18	387	401	2960	F	F	2310 *	2170	F	1230	629	798	895	18
19	378	516	3020 *	F	F	1990	1800	F	1170 *	679	846	841	19
20	394	405	2420	F	F	1670	1450	F	1190	701	799	836	20
21	376	495	2030	F	F	1560	1550	F	1050	612	800	771	21
22	340	508	1780	F	F	1220	1360	F	1120	725	927	739	22
23	318	484	1540	F	F	1220	1130	F	1140	808 *	1000	705	23
24	261	480	1250	F	F	1730	930	F	1140	545	984	615	24
25	259	423	899	F	F	2450	1080	F	987	138	921	627	25
26	258	374	A	F	F	2580	854	F	913	612	903	564	26
27	305	339 *	F	F	F	2070	1240	3060	872	595	945	532	27
28	301	381	F	F	F	1590	1520	2820	766	521	978 *	575	28
29	333	328	F	F		1480	1490 *	2610	774	732	998	540	29
30	360	406	F	F		1430	1450	2470	768	797	1070	526	30
31	395		F	F		1250		2190		792	1280		31
MEAN	357	358	NR	NR	NR	NR	NR	NR	1371	648	765	934	MEAN
MAX.	486	516	NR	NR	NR	NR	NR	NR	2010	815	1280	1370	MAX.
MIN.	195	238	NR	NR	NR	NR	NR	NR	766	138	0.0	526	MIN.
AC. FT.	21960	21290	NR	NR	NR	NR	NR	NR	81600	39840	47020	55590	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

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 undetermined 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
1969	A55420	MIDDLE FORK FEATHER RIVER NEAR PORTOLA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	7.	23	44	49	977	194	4,430	1,010	390	124	28	19	1
2	9.2	25	40	48	857	216	3,320	1,030	383	132	26	8.6	2
3	7.2	32	34	78	783	223	2,270	1,080	372	128	25	5.5	3
4	5.6	36	31	74	656	223	1,730	1,180	348	118	23	4.6	4
5	5.6	40	32	70	453	238	1,440	1,160	331	110	23	5.6	5
6	6.7	40	34	68	373	233	1,090	1,050	306	106	22	6.9	6
7	8.6	37	37	62	340	241	1,530	928	299	100	21	6.7	7
8	10	34	45	59	335	252	1,160	911	315	99	24	6.2	8
9	11	35	49	59	293	247	996	951	356	94	20	4.5	9
10	12	36	54	54	298	251	908 *	1,010	374	94	19	3.4	10
11	12	35	61	49	332	243	852	1,080	405	101	20	3.1	11
12	14	46	53	59	479	244	927	1,120	439	95	20	3.1	12
13	16	44	66	110	785	248	1,110	1,130	439	91	19	6.6	13
14	18	47	70	468	944	269	1,100	1,160	415	89	17	6.9	14
15	21	59	71	1,270	741	277	1,170	1,160	384	90	17	5.6	15
16	20	53	56	976	572	271	1,090	1,140	351 *	89	17	5.1	16
17	19	50	90	674	582	282	1,090	1,090	336	88	19	5.3	17
18	16	48 *	89	429	540	347	1,260	1,000	345	85	17	5.7	18
19	17	47	86	489	497	509	1,270	922	352	83	16	5.8	19
20	18	53	86	2,670 *	432 *	679	1,260	864	354	82	17	6.2	20
21	22	57	76	6,850	381	878	1,210	823	348	80	20	6.1	21
22	19	53	55	5,940 *	358	1,050	1,140	786	336	80	21	6.0	22
23	18	49	43	3,520 *	293	1,410	1,180	739 *	331	82	26	5.9 *	23
24	19	48	49	1,910	264	1,870	1,390	672	324	83	28	6.2	24
25	19	51	72	997	200	2,340	1,770	623	296	82	69	6.6	25
26	20	49	58	1,820	163	2,660	1,640	584	263	80	34	7.6	26
27	24	44	49	2,530	184	2,920	1,370	563	228	77	34	8.1	27
28	22	42	54	2,760	194	3,210	1,160	535	197	75	35	8.1	28
29	23	42	67	1,670		3,410	1,050	508	166	58	30	8.3	29
30	23	42	90	1,470		3,690	1,010	477	133	31	28	7.6	30
31	22		104	1,190		4,250		423		30	22		31
MEAN	15.8	43.2	59.3	1,243	475	1,076	1,449	893	330	88.9	24.4	6.5	MEAN
MAX.	24.0	59.0	104	6,850	977	4,250	4,430	1,180	439	132	69.0	19.0	MAX.
MIN.	5.6	23.0	31.0	49.0	163	194	852	423	133	30.0	16.0	3.1	MIN.
AC. FT.	974	2573	3648	76487	26404	66198	86227	54960	19668	5465	1501	387	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
475.8	7510	10.17	01	21	2130	2.8	1.80	09	11	0830	344493

LOCATION: LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	MAXIMUM DISCHARGE OF RECORD: CFS	GAGE HT.	DATE	PERIOD OF RECORD: DISCHARGE	GAGE HEIGHT ONLY	DATUM OF GAGE: PERIOD FROM	TO	ZERO ON GAGE	REF. DATUM
39 49 13	120 26 25	NE 29 23N 14E				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
1969	A54470	INDIAN CREEK NEAR BOULDER CREEK GUARD STATION

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	10	10	10	10	94	50	317 E	384	160	42	10	10	1
2	10	10	10	10	77	49	313 E	380	147	38	10	10	2
3	8.8	10	10	10	63	47	278 E	369	137	37	10	10	3
4	10	10	10	10	63	44	261 E	355	130	35	10	10	4
5	10	10	10	10	69	44	275 E	334	130	33	10	10	5
6	10	10	10	10	73	44	256 E	358	120	33	10	10	6
7	10	10	10	10	67	42	232 E	409	109	31	10	10	7
8	10	10	10	10	61	42	225 E	451	113	30	10	10	8
9	10	10	10	10	59	44	227 E	482	137	28	10	10	9
10	10	10	10	10	54	42	232 E	519	132	35	10	10	10
11	10	10	10	10	54	44	251 E	539	147	34	10	10	11
12	10	10	10	10	56	42	286 E	543	162	31	10	10	12
13	10	10	10	10	56	42	313 E	523	142	28	10	10	13
14	10	10	10	10	56	41	301 E	482	128	26	10	10	14
15	10	10	10	10	57	41	256 E	432	119	24	10	10	15
16	10	10	10	10	57	44	262	409	108	22	10	10	16
17	10	10	10	10	54	46	268	402	103	20	10	10	17
18	10	10	10	10	52	49	320	395	110	17	10	10	18
19	10	10	10	10	49	50	337	387	103	16	10	10	19
20	10	10	10	10	47	52	354	362	92	15	10	10	20
21	10	10	10	10	47	47	386	337	83	14	10	10	21
22	10	10	10	10	42	49	433	324	75	14	10	10	22
23	10	10	10	15	50	52	463	310	69	12	10	10	23
24	10	10	10	34	56	57	436	300	65	12	10	10	24
25	10	10	10	54	61	61	369	284	59	12	10	10	25
26	10	10	10	121	56	69	324	264	56	11	10	10	26
27	10	10	10	165	49	79	300	246	52	11	10	10	27
28	10	10	10	152	50	94	293	222	50	10	10	10	28
29	10	10	10	114		123	324	201	47	10	10	10	29
30	10	10	10	119		155	380	187	46	10	10	10	30
31	10		10	85		217		173		10	10		31
MEAN	10	10	10	34.8	58.2	61.4	309	367	104	22.6	10	10	MEAN
MAX.	10	10	10	165	94	217	463	543	162	42	10	10	MAX.
MIN.	8.8	10	10	10	42	41	225 E	173	46	10	10	10	MIN.
AC. FT.	612	595	615	2140	3231	3773	18390	22540	6210	1390	615	595	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
83.8	547	NR	5	11	NR	8.8	NR	10	03	NR	60700

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 10 00	120 36 57	SW 27 27N 12E				JUNE 1961-DATE	JUNE 1961-DATE	1961		0.00	LOCAL

Station located 2.2 miles south of Boulder Creek Guard Station, 11 miles northeast of Genesee. Tributary to East Branch North Fork Feather River. Stage-discharge relationship at times affected by ice. Flow regulated by Antelope Lake. Drainage area is 70.8 square miles. Due to lost record and icing conditions, this record is the summation of the release and spill from Antelope Reservoir. Station was discontinued September 30, 1969.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	A54455	RED CLOVER CREEK ABOVE ABBEY BRIDGE DAMSITE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.4	2.8	3.4	6.2	165	70	1,220	370	34	10	0.5	0.5	1
2	1.3	3.2	2.9	6.2	150	67	871	353	31	9.2	0.5	0.6	2
3	1.3	4.9	3.2	6.2	135	65	655 *	333	27	8.5	0.5	0.7	3
4	1.4	4.2	3.2	6.6	120	63	709	328	25	8.2	0.4	0.6	4
5	1.4	3.1	3.4	6.6	115	61	775	294	25	7.8	0.5	0.7	5
6	1.5	2.9	3.2	6.6	118	59	531	276	24	7.6	0.5	0.7	6
7	1.4	3.0	3.4	6.6	122	57	456	286	22	7.4	0.6	0.7	7
8	3.2	2.9	4.0	6.9	133	55	476	299	21	7.1	0.5	0.8	8
9	2.1	3.2	4.0	6.9	142	53	512	311	26	7.8	0.6	0.8	9
10	1.7	2.9	4.0	6.9	145	52	566	325	27	7.1	0.5	0.9	10
11	2.6	3.2	4.3	6.9	135	52	641	331	27	6.5	0.4	0.9	11
12	4.2	10 *	4.3	6.9	130	51	750	326	33	5.7	0.5	0.9	12
13	2.7	4.6	4.3	41	120	52	717	311	31	5.2	0.6	0.9	13
14	2.4	4.1	4.6	81	115	53	568	277	31	4.8	0.5	1.0	14
15	2.2	4.4	4.6	70	109	54	439	234	31	4.7	0.9	1.0	15
16	2.1	4.5	5.5	60	107	56	432	194	25 *	2.9	1.8	1.1	16
17	2.1	4.2	5.5	50	102	60	462	169	12	2.3	1.0	1.2	17
18	2.2	4.6*	5.5	39	96	65	593	155	37	2.0	0.4	1.3	18
19	2.3	4.6	5.2	188	94	72	513	143	34	1.8	0.3	1.4	19
20	2.3	3.9	5.2	1,500	92	88	540	127 *	24	1.7	0.2	4.4	20
21	2.2	3.4	5.2	1,300	87	105	580	110	21	1.5	0.3	2.2	21
22	2.3	3.2	5.2	447	84	120	649	97	16	1.4	0.4	1.9	22
23	2.3	3.2	5.2	350	81	137	691	87	14	1.4	0.3	2.0*	23
24	2.3	3.4	5.5	270	78	154	561	80	14	1.3	0.1	3.4	24
25	2.4	3.7	5.5	350	76	170	467	73	14	1.0	0.1	4.3	25
26	2.5	3.2	5.5	860	74	216	427	66	13	1.0	0.2	3.1	26
27	2.5	3.2	5.5	435	72	305	382	61	13	0.8	0.2	2.8	27
28	2.5	2.9	5.8	339	70	436	351	53	12	0.9	0.2	2.2	28
29	2.6	2.9	5.8	260		594	360	46	12	0.8	0.3	2.2	29
30	2.9	3.4	5.8	249		883	377	41	11	1.0	0.3	2.2	30
31	2.6		6.2	190		1,300		37		0.6	0.5		31
MEAN	2.2	3.8	4.7	230	109	181	575	199	22.9	4.2	0.5	1.6	MEAN
MAX.	4.2	10.0	6.2	1,500	165	1,300	1,220	370	37.0	10.0	1.8	4.4	MAX.
MIN.	1.3	2.8	2.9	6.2	70.0	51.0	351	37.0	11.0	0.6	0.1	0.5	MIN.
AC. FT.	137	226	287	14199	6083	11157	34257	12284	1363	258	29	94	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
111.0	1770	9.58	03	31	2045	0.0	2.39	11	13	1000	80372

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
1969	A54750	LAST CHANCE CREEK AT DIXIE REFUGE DAMSITE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	1.0	0.0	0.6	100	15	396	125	19	3.9	0.4	0.0	1
2	0.0	1.1	0.0	0.0	89	10	287	117 *	16	3.2	0.4	0.0	2
3	0.1	2.1	0.0	0.0	80	12	254 *	128	15	3.4	0.4	0.0	3
4	0.1	1.7	0.0	0.0	70	8.6	273	150	17	3.4	0.3	0.0	4
5	0.1	1.4	0.0	0.0	60	10	247	113	20	3.1	0.3	0.0	5
6	0.2	1.2	0.0	0.7	56	9.1	170	110	14	2.6	0.3	0.0	6
7	0.1	1.1	0.0	1.7	52	7.7	154	112 *	11	2.7	0.3	0.0	7
8	0.2	1.1	0.0	0.6	48	6.6	156	109	15	2.7	0.3	0.0	8
9	0.2	1.1	0.0	0.6	44	6.3	168 *	109	24	3.0	0.3	0.0	9
10	0.1	1.1	1.9	1.8*	40	5.2	179	119	12	2.7	0.2	0.1	10
11	0.3	1.6	0.6	0.7	38	6.8*	187	125	31	2.5	0.2	0.2	11
12	0.9	5.4	1.3	0.5	36	6.4	199	122	28	2.2	0.1	0.2	12
13	0.9	2.3	0.0	12	34	4.1	188	115 *	26	1.9	0.2	0.2	13
14	0.7	1.8	0.0	35	32	3.9	163	87	25	1.8	0.1	0.3	14
15	0.6	1.9	0.2	45	30	3.9	132	75	34	1.6	0.0	0.3	15
16	0.5	1.8	0.5	32	29	7.2	123	69	30 *	1.3	0.0	0.4	16
17	0.4	1.8	0.2	16	28	14	130	68	18	1.4	0.0	0.4	17
18	0.4	2.2*	0.3	8.5	27	24	163	68	42	1.2*	0.0	0.4	18
19	0.4	2.2	0.0	190	26	30	138	64 *	27	1.1	0.0	0.4	19
20	0.4	1.5	0.0	1,020	25	28	145	56	18	1.0	0.0	0.4	20
21	0.5	1.4	0.0	756	24	28	160 *	54	13	1.0	0.0	0.5	21
22	0.5	1.0	0.0	169	24	25	177	51 *	11	0.9	0.0	0.5	22
23	0.4	0.9	0.6	176	23	37	196	48	11	0.7	0.0	0.4*	23
24	0.4	0.8	0.2	127	23	47	203	45	9.4	0.8	0.0	0.4	24
25	0.6	0.7	5.2	125	23	60	161	43	8.3	0.7	0.0	0.4	25
26	0.7	0.5	4.5	651	22	98	132	41	7.2	0.6	0.0	0.4	26
27	0.8	0.2	1.2	214	20	169	119	38	6.6	0.6	0.0	0.4	27
28	0.7	0.2	0.0	177	23	273	115	29 *	5.9	0.6	0.0	0.4	28
29	0.8	0.0	0.4	161		284	120	28	5.1	0.5	0.0	0.4	29
30	1.0	0.0	1.8	140		334	126	27	4.6	0.5	0.0	0.5	30
31	1.0		1.3	120		504		23		0.4	0.0		31
MEAN	0.5	1.4	0.7	134	40.2	67.0	178	79.6	17.5	1.7	0.1	0.3	MEAN
MAX.	1.0	5.4	5.2	1,020	100	504	396	150	42	3.9	0.4	0.5	MAX.
MIN.	0.0	0.0	0.0	0.0	20	3.9	115	23	4.6	0.4	0.0	0.0	MIN.
AC. FT.	28	82	40	8294	2233	4121	10633	4895	1040	107	8	15	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
43.5	1460	3.92	01	20	1900	0.00	1.00	10	01	0000	31496

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
1969	A54370	INDIAN CREEK NEAR TAYLORSVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	34	51	68	95	810	305	4,420	2,020	756	191	68	48	1
2	34	56	61	96	695	285	3,630	1,910	711	165	67	53	2
3	34	76	61	96	605	296	2,740	1,840	670	165	66	54	3
4	33 *	79	61	96	566	288	2,770	1,810	650	151	67	55	4
5	34	69	65	97	511	278	3,170	1,720	646	147	66	54	5
6	35	63	64	97	493	295	2,520	1,790	603	149	64	54	6
7	35	59	65	102	458	290	2,120	1,980	540	146	61	55	7
8	35	57	66	106	435	292	2,140	2,150	546	143	57	55	8
9	36	57	67	89	439	298	2,250	2,370	637	140	55	54	9
10	38	56	109	102	446	285	2,370	2,470	576	144	53	53 *	10
11	41	61	157	109	499	283	2,600	2,600	565	141	52 *	50 *	11
12	57	139	110	128	589	289	2,950	2,670	622	132	53	49	12
13	63	99	110	385	559	271	3,140	2,540	549	127	52	48	13
14	60	82	106	414	540	268	2,810	2,250	537	123	52	48	14
15	60	74	142	321	531	277	2,260 *	1,960	528	116	51	48	15
16	56	69	135	264	478	308	2,000 *	1,810	503	111	49	49	16
17	54	67	113 *	219	428	361	2,040	1,780	447	107	48	50	17
18	53	83	101	197	437	438	2,430	1,750	516	102	48	50	18
19	52	90	102	870	417	475	2,280	1,650	570	98	47	49	19
20	51	80 *	85	5,540	383 *	528	2,400	1,510	481	96	47	48	20
21	51	73	77	7,550 *	348	529	2,620	1,410 *	392	94	47	50	21
22	50	71	86	2,850 *	345	528	2,930	1,370	361	91	46	50	22
23	50	72	101	1,620 *	359	616	3,120	1,350	327	86	45	48	23
24	50	74	109	1,240	329	697	2,710	1,310	309	79 *	45	47	24
25	50	73	127	1,310	311	761	2,390	1,230	294	77	46	47	25
26	49	69	120	3,940	315	911	2,170	1,160	253	74	47	48	26
27	49	68	110	2,390	297	1,190	1,910	1,050	252	67	47	47	27
28	48	66	109	1,780	320	1,600	1,830	939	217	67	46 *	47	28
29	50	66	102	1,340		2,140	2,010	877	212	64	46	46	29
30	53	68	97	1,110		3,020	2,120	835	210	64	47	46	30
31	52		97	892		4,200		816		65	47		31
MEAN	46.7	72.2	96.2	1,143	462	729	2,561	1,707	482	113	52.6	50.0	MEAN
MAX.	63.0	139	157	7,550	810	4,200	4,420	2,670	756	191	68.0	55.0	MAX.
MIN.	33.0	51.0	61.0	89.0	297	268	1,830	816	210	64.0	45.0	46.0	MIN.
AC. FT.	2870	4298	5917	70304	25672	44830	152430	104979	28721	6986	3237	2975	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
626.0	10000	13.73	01	21	0400	32.0	4.50	10	04	1600	453219

LOCATION: LATITUDE	LOCATION: LONGITUDE	LOCATION: 1/4 SEC. T. & R. M.D.B.&M.	MAXIMUM DISCHARGE OF RECORD: CFS	MAXIMUM DISCHARGE OF RECORD: GAGE HT.	MAXIMUM DISCHARGE OF RECORD: DATE	PERIOD OF RECORD: DISCHARGE	PERIOD OF RECORD: GAGE HEIGHT ONLY	DATUM OF GAGE: PERIOD FROM	DATUM OF GAGE: PERIOD TO	DATUM OF GAGE: ZERO ON GAGE	DATUM OF 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
1969	A5 6911	PALERMO CANAL AT OROVILLE DAM

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	5.6	5.8	4.5	0.6	0.5	0.5	10	23	23	23	21	1
2	0.0	5.6	5.8	4.5	0.6	0.5	0.5	10	23	23	23	21	2
3	0.0	5.6	5.8 *	4.5	0.6	0.5	0.5	10	23	23	23	21	3
4	0.0	5.6	5.8	4.5	0.5	0.5	0.5	10	23	23	23	21	4
5	0.0	5.6	6.0	4.5	0.5	0.5	0.5	15	23	23	23	21	5
6	0.0	5.6	6.0	4.5	0.5	0.5	0.5	20	23	23	23	21	6
7	0.0	5.6	6.2	4.5	0.5	0.5	0.5 *	20	23	23	23	21	7
8	0.0	5.6	6.2	4.5	0.5	0.5	0.5	20	23	23	23	21	8
9	0.0	5.6	6.2	4.5	0.5	0.5	0.5	20	23	23	23	21	9
10	0.0	5.6	6.2	4.5	0.6	0.5	0.5	20	23	23	23	21	10
11	0.0	5.6	6.4	4.5	0.6	0.5	0.5	20	23	23	23	21	11
12	0.0	5.6	6.0 *	4.6	0.6	0.5	0.5	20	23	23	23	21	12
13	0.0	5.6	5.4	3.6	0.6	0.5	0.5	20	23	23	23	20	13
14	0.0	5.8	5.4	3.0	0.7	0.5	0.5	20	23	23	23	20	14
15	0.0	5.8	5.4	3.0	0.7	0.5	0.5	20	23	23	22	20	15
16	0.0	5.8	5.4	3.0	0.7	0.5	0.5	20	23 *	23	22	20	16
17	0.0	5.8	5.4	3.0	0.7	0.5	0.5	20	23	23	22	20	17
18	0.0	5.8	5.4	3.0	0.7	0.5	0.5	20	23	23	22	20	18
19	0.0	5.8	5.6	3.0	0.7	0.5	0.5	20	23	23	22	20	19
20	0.0	5.8	5.6	3.0	0.7	0.5	0.5	20	23	23	22	20	20
21	0.0	5.8	5.6	3.2	0.6	0.5	0.5	20	23	23	22	20	21
22	4.8 *	5.8	5.6	3.2	0.6	0.5	6.6	20	23	23	22	20	22
23	5.6	5.8	4.8	3.2	0.6	0.5	9.9	20	23	23	22	20	23
24	5.6	5.8	4.3	3.2	0.6	0.5	10	22	23	23	22	20	24
25	5.6	5.8	4.3	3.2	0.6	0.5	8.9	22	23	23	22	20	25
26	5.6	5.8	4.3	3.0	0.5	0.5	9.9	22	23	23	22	20	26
27	5.6	5.8	4.3	3.0	0.5	0.5	10	23	23	23	22	20	27
28	5.6	5.8	4.3	3.0	0.5	0.5 *	10	23	23	23	22	20	28
29	5.6	5.8	4.3	3.0		0.5	10	23	23	23	22	20	29
30	5.6	5.8	4.3	3.0		0.5	10	23	23	23	22	20	30
31	5.6		4.3	1.5		0.5		23		23	22		31
MEAN	1.8	5.7	5.4	3.6	0.6	0.5	3.2	19.2	23	23	22.5	20.4	MEAN
MAX.	5.6	5.8	6.4	4.6	0.7	0.5	10	23	23	23	23	21	MAX.
MIN.	0.0	5.6	4.3	1.5	0.5	0.5	0.5	10	23	23	22	20	MIN.
AC. FT.	109	340	330	221	33	31	190	1182	1369	1414	1380	1214	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
10.8	23.0	1.19	7	14	1730	0.0		10	1		7813

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
1969	A05191	FEATHER RIVER AT OROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	332	323	332	361	1980	2870	380	390	370	390	370	342	1
2	332	342	332	361	361	2830	390	370	380	390 *	370	342	2
3	323	342	332	370	342	2870	380	390	370	401	380	342	3
4	332	352	332	361	352	1700	2440	314	361	401	380	332	4
5	342	332	342	361	352	974	2340	323	361	401	361	342	5
6	332	332	332	352	361	947	2340	352	370	401	352	342	6
7	332	342	314	352	352	566	2250	361	370	401	380	342	7
8	323	352	332	342	352	332	2340	370	370	390	380	342	8
9	323	352	332	342	361	352	2290	361	370	401	370	342	9
10	323	352	332	342	1770	361	2250	323	380	401	370	342	10
11	332	342	323	352	5600	370	2290	323	401	401	380	342	11
12	342	332	342	380	8520	361	2340	332	401	401	380	342	12
13	342	332	361	422	6220	342	2380	342	380	401	370	342	13
14	342	342	361	352	484	332	2290	352	361	412	370	332	14
15	342	342	342	342	755	342	2380	332	361	412	370	352	15
16	342	342	361	342	1790	361	2340	332	361	380	370	561	16
17	342	352	352	332	2430	380	2360	323	380	352	370	361	17
18	342	352	342	352	9630	380	1440	323	380	361	380	361	18
19	342	352	332	370	8870	342	1460	323	370	370	380	352	19
20	332	352	352	361	6090	332	1380	314	380	370	370	342	20
21	323	342	352	13000	3260	352	1100	314	390	370	370	352	21
22	314	342	361	37300	758	390	370	314	380	370	370	361	22
23	304	332	370	24800	794	380	380	332	380	370	370	361	23
24	304	342	370	18200	2460	370	370	361	380	370	370	361	24
25	314	342	370	4970	4050	332	370	352	390	380	352	370	25
26	323	352	361	17200	4380	342	370	352	390	370	332	361	26
27	323	342	361	22300	5780	342	352	332	390	370	332	352	27
28	323	352	370	24800	4570	352	370	323	390	380	332	352	28
29	323	352	361	24300 *		370	370	361	380	370	332	352	29
30	323	332	361	23900		361	380	370	390	380	332	352	30
31	323		361	16100		370		370		380	342		31
MEAN	329	343	348	7533	2965	687	1416	343	378	385	364	349	MEAN
MAX.	342	352	370	37300	9630	2870	2440	390	401	412	380	370	MAX.
MIN.	304	323	314	332	342	332	352	314	361	352	332	332	MIN.
AC. FT.	20210	20410	21340	463200	164700	47260	84280	21090	22490	23700	22390	20770	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
1280	51500	14.19	1	21	2345	285	0.50	10	23	2345	926800

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-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	A05975	THERMALITO AFTERBAY RELEASE TO FEATHER RIVER NEAR OROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	406	613	394	394	12200	9050	4630	9720	5640	598	3600	6060	1
2	406	620	394	394	10200	9130	5300	9510	4490	598	3580	6150	2
3	413	613	394	394	9420	9100	11100	7600	3610	598	3540	6170	3
4	413	620	394	400	8890	9590	13300	7650	3560	590	4140	6170	4
5	406	628	394	400	8870	9450	13700	7700	2610	816	5300 E	6150	5
6	387	605	394	394	9910	8890	13800	7630	2610	1580	5500 E	6130	6
7	406	582	406	394	10300	8690	13600	7650	1550	1590	5700 E	6060	7
8	406	567	413	407	9780	7820	13700	7580	623	1600	6100 E	6100	8
9	406	589	413	407	10700	7020	13700	7550	606	1880	5750 E	6100	9
10	406	605	426	407	12500	6040	13700	7530	606	2110	5150 E	6130	10
11	406	605	432	414	13000	4670	13600	7680	598	2100	5750 E	6100	11
12	406	613	439	414	13100	3940	13500	7630	598	2080	6130	6100	12
13	413	613	446	3780	12800	3790	13400	7680	598	2080	6100	6100	13
14	426	605	419	1580	12900	3520	13700	9670	590	2110	6100	6080	14
15	620	597	413	400	13200	3510	13700	10700	590	2110	6100	6130	15
16	613	413	400	407	13000	3920	13600	10700	582	2110	6060	6150	16
17	605	413	400	421	13000	4530	13700	10600	590	2110	6060	6150	17
18	597	406	400	436	5840	4770	13300	10600	590	2100	6150	6170	18
19	597	406	406	443	4300	5900	13700	10600	590	2080	6170	6150	19
20	597	406	406	1380	5120	7550	13100	10600	882	2080	6150	6100	20
21	605	413	406	9120	7500	9130	13700	10600	1080	2100	6130	6080	21
22	620	413	406	13400	10900	10300	13800	9750	1080	2120	6130	6130	22
23	620	406	394	14100	11300	10200	14000	8450	1080	2950	6100	6100	23
24	605	406	394	14200	10000	7800	13700	7630	1090	3450	6080	6100	24
25	589	406	394	14100	8790	5280	13700	7630	992	3610	6150	6100	25
26	597	400	394	14400	7530	5120	13700	6490	606	3600	6170	6130	26
27	582	394	394	14100	5750	5030	13600	5600	598	3580	6170	5600	27
28	613	394	387	14100	6720	4650	13500	5560	606	3600	6170	4610	28
29	620	394	394	13900 *		4590	11600	5580	598	3610	6170	3630	29
30	636	400	387	13700		4610	11000	5620	590	3610	6130	2710	30
31	605		387	13600		4610		5660		3600	6060		31
MEAN	517	505	404	5238	9911	6523	12800	8231	1348	2218	5696	5855	MEAN
MAX.	636	628	446	14400	13200	10300	14000	10700	5640	3610	6170	6170	MAX.
MIN.	387	394	387	394	4300	3510	4630	5560	582	590	3540	2710	MIN.
AC. FT.	31790	30040	24830	322100	550500	401100	761900	506100	80200	136400	350300	348400	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
4894	14600	21.28	1	26	0300	266	14.20	1	14	0930	3544000

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
1969	405165	FEATHER RIVER NEAR GRIDLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	888	1,100	894	877	17,500	12,400	5,440	10,400	6,250	1,130	4,280	6,700	1
2	884	1,130	873	877	12,000	12,400	5,790	10,200	5,480	1,130	4,260	6,780	2
3	900	1,160	889	877	10,600	12,300	10,500	8,390	4,340	1,110	4,220	6,830 *	3
4	910	1,140	898	877	9,450	12,000	14,700	8,160	4,330	1,110	4,640	6,830	4
5	921	1,140	898	864	9,780	10,900	15,700	8,200	3,450	1,200	5,930	6,810	5
6	914	1,110	898	856 *	10,400	10,100	15,800	8,180	3,360	1,940	6,200	6,790	6
7	917	1,080	907	856	10,900	9,800	16,100	8,190	2,400	2,050	6,370	6,750	7
8	902	1,090	914	836	10,300	8,570	16,100	8,120	1,430	2,060	6,960	6,760	8
9	905	1,100	948 *	845	11,000	7,690	16,100	8,090	1,210	2,270	6,520	5,760 *	9
10	921	1,120	969	841	13,300	7,030	15,900	8,060	1,210	2,610	5,780	5,760	10
11	950	1,110	934	893	17,600	5,490	15,400	8,160	1,200	2,590	6,620	5,750	11
12	979	1,120	902 *	994	21,800	4,620	15,500	8,130	1,180	2,590	6,950	6,740	12
13	957	1,180	914	4,210	20,500	4,490	15,400	8,130	1,170	2,590	6,950	6,740	13
14	1,010	1,100	967	3,190 *	14,300	4,110	15,400	9,710	1,140	2,620	6,910	6,710	14
15	1,100	1,100	924	1,200	14,100	4,120	15,500	10,700	1,130	2,620	6,900	5,710	15
16	1,150 *	946	844	1,070	14,900	4,370	15,600	10,800	1,130	2,600 *	6,840	5,740	16
17	1,160	920	863	989	15,500	5,180	15,800	10,700	1,130	2,550	6,810	6,750	17
18	1,140	934	888	948	15,400	5,280	14,900	10,600	1,140	2,530	6,890	6,780	18
19	1,130	913	867	1,070	14,200	6,220	15,200	10,600	1,140	2,540	6,890	6,750	19
20	1,120	899	856	1,650	12,300 *	7,790	14,000	10,600 *	1,310	2,540	6,880	6,700	20
21	1,120	895	857	13,000	11,700	9,230	14,000	10,600	1,560	2,540	6,840	5,660	21
22	1,130	892 *	866	50,300 *	12,000	10,800	14,000 *	10,000	1,550	2,550	6,840	6,710	22
23	1,120	887	875	39,200 *	12,400	10,600	14,300	8,910	1,550	3,350	6,810	6,720	23
24	1,100	895	920	37,300	12,300	8,730	14,100	8,010	1,530	4,030	6,760	6,700	24
25	1,090	886	927	21,000 *	13,500	5,880	14,200 *	8,000	1,530	4,310	6,820	6,700	25
26	1,100	886	899	29,300	12,100	5,730	14,100	7,220	1,160	4,300	6,850	6,700	26
27	1,100	896	905	35,700	12,100	5,600	14,100	6,120	1,130	4,290	6,820	6,320	27
28	1,100	900	912	38,500	12,000	5,450	14,100	6,080	1,130	4,300	6,830	5,330	28
29	1,140	911	909	38,500		5,440	12,500	6,100	1,130	4,320	6,820	4,340	29
30	1,130	917	889	38,000		5,440	11,900	6,160	1,120	4,320	6,790	3,310	30
31	1,100		883	34,100		5,440		6,240		4,300	6,740		31
MEAN	1,031	1,008	899	12,894	13,376	7,522	14,114	8,631	1,950	2,741	6,407	5,487	MEAN
MAX.	1,160	1,160	969	50,300	21,800	12,400	16,100	10,800	6,250	4,320	6,960	6,830	MAX.
MIN.	884	886	844	836	9,780	4,110	5,440	6,080	1,120	1,110	4,220	3,310	MIN.
AC. FT.	63427	60014	55317	792833	742869	462545	839861	530737	116073	168575	393957	386043	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	GAGE HT.	MO.	DAY	TIME	MINIMUM DISCHARGE	GAGE HT.	MO.	DAY	TIME	TOTAL ACRE FEET
6370.8	56400	40.20	01	22	1030	428.0	24.00	01	15	0830	4612250

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 # OCT 37-APR 39 NOV 39-JUL 40 OCT 40-JUL 43 OCT 43-DATE	1929 1929		0.00 -2.91	USED USCGS

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
1969	A05735	NORTH HONCUT CREEK NEAR BANGOR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.5	3.0	22	49	82	648	13	14 E	3.8 E	2.9 E	0.9	0.9	1
2	2.9	3.4	17	41	86	227	13	14 E	4.0 E	2.8 E	0.9	0.9	2
3	2.9	37	12	35	68	189	18	13 E	4.0 E	2.6 E	1.0	0.7 *	3
4	3.1	33	9.6	31	58	125	16	13 E	3.8 E	2.4	0.9	0.5	4
5	3.1	15	7.1	27	502	98	107	12 E	5.0 E	2.6	1.1	0.4	5
6	3.1	8.7	7.0	25	366	84	161	11 E	6.0 E	2.4	1.1	0.5	6
7	3.1	6.4	6.3	22	140	72	85	11 E	7.5 E	2.2	1.1	0.5	7
8	3.1	4.9	6.0	20	99	63	58	10 E	8.0 E	2.1	1.0	0.4	8
9	3.1	4.0	5.8	18	436	55	50 E	9.5E	8.4 E	1.8	0.9	0.6	9
10	3.1	3.5	18	17	206	52	45 E	9.0E	8.0 E	1.7	0.7	0.5	10
11	3.4	3.5	107	359	614	44	40 E	8.6E	13 E	1.6	0.7	0.6	11
12	8.3	28	40	1310	863	40	37 E	8.2E	14 E	1.4	0.6	0.8	12
13	13	21	26	3830 *	223	37	35 E	8.2E	11 E	1.2	0.6	1.0	13
14	14	12	506	631	321	34	33 E	7.8E	9.0 E	1.2	0.5	1.2	14
15	14	50	412	179	1230	31	30 E	7.6E	7.6 E	1.2	0.4	1.4	15
16	9.3	32	180	108	399	29	27 E	7.2E	6.8 E	1.2	0.4	1.3	16
17	4.9	17	77	78	177	32	26 E	6.8E	6.2 E	1.2	0.3	1.5	17
18	3.2	28	51	123	173	31	25 E	6.4E	5.6 E	1.1	0.3	1.6	18
19	2.5	44	40	1870	132	27	24 E	6.2E	5.0 E	1.0	0.3	1.8	19
20	2.2	23	32	1280 *	108	26	22 E	6.4E	4.6 E	0.9	0.4	2.0	20
21	1.9	15 *	25	2670	98	55	21 E	7.1	5.6 E	0.9	0.4	2.4	21
22	1.7	12	21	688	81	41	20 E	6.7	6.4 E	0.8	0.4	2.3	22
23	1.5	9.3	24	174	217	31	40 E	6.4	8.0 E	0.7	0.4	2.2	23
24	1.3	8.6	449	137	269	27	45 E	6.4	6.0 E	0.7	0.4	2.1	24
25	1.9	10	524	593	262	24	30 E	6.0	5.0 E	0.7	0.4	2.0	25
26	2.2	7.4	189	1110	151	22	23 E	5.6	4.2 E	0.9	0.6	1.7	26
27	1.8	7.1	93	215	111 *	20	19 E	5.2E	3.4 E	1.0	0.6	1.8	27
28	1.2	6.1	138	130	566	18	17 E	5.0E	3.2 E	1.0	0.6	1.9	28
29	1.4	5.5	156	93		17	16 E	4.8E	3.1 E	1.1	0.8	2.0	29
30	4.4	13	86	105		15	15 E	4.6E	3.0 E	1.1	0.9	2.3	30
31	4.5		62 *	91		14		4.2E		1.1	0.8		31
MEAN	4.1	15.7	108	518	287	71.9	37.0	8.1	6.3	1.5	0.7	1.3	MEAN
MAX.	14	50	524	3830	1230	648	161	14	14	2.9	1.1	2.4	MAX.
MIN.	1.2	3.0	5.8	17	58	14	13	4.2	3.0	0.7	0.3	0.4	MIN.
AC. FT.	255	935	6642	31853	15943	4419	2200	500	375	90	40	79	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
87.5	6930	10.73	1	13	0500	0.3	3.65	8	16	0230	63340

LOCATION: LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	MAXIMUM DISCHARGE OF RECORD: CFS	GAGE HT.	DATE	PERIOD OF RECORD: DISCHARGE	GAGE HEIGHT ONLY	DATUM OF GAGE: PERIOD FROM	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
1969	A05120	FEATHER RIVER BELOW SHANGHAI BEND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1000 E	1720	1720	2770	37400	25500	11100	19100	14100	1830	4300	6930	1
2	1000 E	1770	1710	2580	24800	23200	11100	18300	12300	1800	4300	6850	2
3	1000 E	2110	1680	2430	20900	21300	13200	12800	10600	1750	4300	6940	3
4	1000 E	2200	1670	2710	19500	18200	18600	11200	8070	1660	4320	6930	4
5	1000 E	2070	1660	2670	19700	16800	21900	11000	7450	1540	5150	6930	5
6	1000 E	2010	1660	2640	20400	15400 *	23900	11000	6820	1850	5910	6900	6
7	1000 E	1930	1660	2700 *	21600	14800	23100	11200	6220	2350	5950	6870	7
8	1000 E	1880	1660	2700	19800	13500	22300	11400	5140	2310	6410	6850	8
9	1000 E	1850	1660	2650	20400	12600	23300	11700	4400	2360	6510	6820	9
10	1000 E	1830	1880	2670	22900	11800	22600	12000	4060	2650	5940	6780	10
11	1140 E	1830	2320	2910	24300	10100	20500	12700	3490	2700	5900	6760	11
12	1290 E	1970	2120	4900 E	31700	9090	20600	13400	3140	2660	6550	6730	12
13	1440 E	1930	1940 *	7000 E	25000	8630	20800	13500	2850	2670	6720	6700	13
14	1580 E	1900	2010	9000 E	31900	8050 *	20600	14500	3020	2720	6700	6690	14
15	1720 E	2030	3200	11000 #	28400	7880	20600	21200	2940	2710	6720	6690	15
16	1870 *	2080	3630	7800 #	24700	7880	20100	21300	3090	2700 *	6700	6730	16
17	1870	1830	2820	6400 #	28100	8760	19000	21400	3520	2670	6670	6700	17
18	1870	1820	2660	17000 E	26600	9110	19100	22100	3390	2630	6700	6730	18
19	1850	1950	3320	28000 E	25200	9560	18900	22400	2960	2630	6760	6730	19
20	1840	1930	2940	39000 E	22400 *	10700	19000	21800	2710	2660	6780	6670	20
21	1820	1830	2400	50300 *	20700	12100	18400	20800 #	2920	2700	6760	6600	21
22	1800	1750 *	2540	66000 *	20600	13900	18300	19800 E	3030	2670	6780	6600	22
23	1800	1710	2480	61200 *	21100	14100	18400	18900 E	2900	2900	6760	6570	23
24	1780	1710	2930	52000	22200	14000	18700	17900 E	2640	3660	6780	6570	24
25	1780	1680	6600	46900	24400	10600	18400 *	16900 E	2430	4240	6760	6570	25
26	1730	1660	7160	56600	23200 *	8830	22100	15900 E	2280	4180	6870	6570	26
27	1700	1660	4950	68300	21400	8650	22200	15000 E	2060	4230	6870 *	6440	27
28	1690	1660	4160	61500	21800	9060	22000	14000 E	1960	4250	6910	5810	28
29	1740	1660	4150	56200		9210	21300	13000	2010	4250	6900	5000	29
30	1870	1690	3750	52000		9430	20600	12600	1950	4290	6930	4090	30
31	1780		3140	48700		9770		12500		4320	6930		31
MEAN	1483	1855	2845	25136	23968	12339	19690	15848	4482	2856	6275	6558	MEAN
MAX.	1870	2200	7160	68300	37400	25500	23900	22400	14100	4320	6930	6940	MAX.
MIN.	1000 E	1660	1660	2430	19500	7880	11100	11000	1950	1540	4300	4090	MIN.
AC. FT.	91160	110400	174900	1546000	1331000	758700	1172000	974500	266700	175600	385900	390200	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
10188	73750	56.30	1	22	1930	NR					7377000

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 ♂ 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.

♂ - Irrigation season only.
\# - Flood season only.

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

WATER YEAR	STATION NO.	STATION NAME
1969	A02903	SACRAMENTO WEIR SPILL TO YOLO BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	2467	634	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	478	600	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	281	547	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	168	438	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	115	345	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	190	264	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	220	184	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	180	61	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	172	.0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	176	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	226	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	416	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	472	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	485	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	3	600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	172	725	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	214	754	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	117	758	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	173	739	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	612	672	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	19330	605	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	31950	542	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	33270	552	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	17900	581	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	15330	643	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	22720	662	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	22070	576	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	19820	494	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	12280		0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	10260		0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0		0.0	7790		0.0		0.0		0.0	0.0		31
MEAN	0.0	0.0	0.0	6904	534	99	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	33270	2467	634	0.0	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	115	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	0.0	0.0	424500	29650	6095	0.0	0.0	0.0	0.0	0.0	0.0	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
636	35952		1	23	1100	0		10	1	0000	460240

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 water 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
1969	A00047	DRY CREEK AT ROSEVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	26	31	49	52	195	782	58	38	18	13	9.3	13	1
2	28	47	43	51	179	405	57	39	19	13	9.4	13	2
3	33	172	38	51	168	360	77	40	19	12	9.0	12	3
4	31	87	37	50	163	256	65	41	17	11	9.2	11	4
5	32	50	36	50	521 *	204	288	38	13	13	9.7	10	5
6	33	42	37	48	726 *	179	227	32	13	13	8.3	9.2	6
7	33	40	36	48	362	163	109	31	10	12	7.2	10	7
8	31	38	36	48	261	149	90	34	14	12	7.4 *	13	8
9	28	37	35	47	292	153	81	38	21	13	8.9	12	9
10	29	36	50	45	256	243	72	44	23	12	9.0	14	10
11	32	37	99	120	470	146	65	48	23	8.9	9.5	16	11
12	64	75	57	175	705	141	62	37	27	8.4	9.2	16	12
13	61	59	50	940 *	331	153	59	33	25	9.6	11	16	13
14	60	52	166	675	338 *	121	55	37	22	9.1	12	18	14
15	58	83	128	252	620 *	112	53	37	22	9.1	12	22	15
16	47	60	141 *	187	417	105	49	37	27	9.0	13	27	16
17	41 *	49	75	160	273	114	46 *	28	35	8.3*	16	27	17
18	40	63	61	286	472	109	48	31	33	7.4	16	24	18
19	39	64	56	1420	388	103	48	35	28	4.9	19 *	24	19
20	43	48 *	56	2000 *	329	103	45	29	26	6.0	19	24	20
21	42	43	52	1380	255	159 *	41	28 *	26	5.0	17	26	21
22	37	39	49	841	220	105	38	24	25	6.4	15	24	22
23	34	37	52	462	594	91	104	24	22	5.0	13	19	23
24	29	42	93	607	637	81	94	32	17	3.7	16	17	24
25	25	43	169	1560 *	775	76	68	26	17 *	5.8	15	17 *	25
26	25	36	127	1700 *	526	74	57	26	19	9.8	16	20	26
27	24	35	78	511	309	69	49	26	16	7.8	15	21	27
28	23	36	77	347	770	68	43	24	18	11	14	23	28
29	24	36	73	267		67	42	20	17	9.9	15	24	29
30	30	50	64	289		63	40	20	16	8.1	16	23	30
31	31		57	219 *		60		19		8.1	15		31
MEAN	35.9	52.2	70.2	480	412	161	74.3	32.1	20.9	9.2	12.6	18.2	MEAN
MAX.	64.0	172	169	2000	775	782	288	48.0	35.0	13.0	19.0	27.0	MAX.
MIN.	23.0	31.0	35.0	45.0	163	60.0	38.0	19.0	10.0	3.7	7.2	9.2	MIN.
AC. FT.	2208	3108	4318	29530	22913	9945	4423	1976	1246	566	776	1081	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
113.4	2370	15.90	1	26	0400	3.1	6.30	7	24	0015	82089

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
1969	A02100	SACRAMENTO RIVER AT SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	12800	12300	13400	34500	72900	74600	38000	41700	35200	15500	15400	21600	1
2	12900	12200	13700	30200	72200	73800	39400	40700	34600	15400	15500	21700	2
3	12700	12600	13700	26800	69100	73100	40200	39600	34000	15000	15500	22100	3
4	12200	12600	13500	24400	67000	72200	42700	35500	32100	14500	15600	22700	4
5	11600	12800	13300	22900	66100	70800	46500	33300	29900	13900	16100	22500	5
6	11200	12900	13400	22200	67400	69400	49800	32700	27900	13700	17100	22600	6
7	10800	13000	13200	21600	67900	67900	52800	32700	26900	13600	17500	22400	7
8	10500	12900	13300	21100	67200	65800	54400	31800	26400	14000	17300	21600	8
9	10300	12700	13300	20400	67100	62900	54600	31500	25400	14000	17900	21400	9
10	10300	12700	13700	19600	67100	59500	54000	32400	24400	13700	18000	21200	10
11	10400	12500	15300	19000	68100	55400	52600	34000	24300	13700	17500	21200	11
12	10800	12800	22600	19400	71400	50300	50400	36000	23800	13800	17700	21100	12
13	11100	12700	26400	30800	71600	46100	49400	37300	23600	13700	18200	21000	13
14	11600	13000	24100	51000	71600	44000	48700	38000	23500	13900	18400	21100	14
15	12500	14100	23100	62000	73200	41600	48100	40300	23400	14000	18400	21200	15
16	12600	14500	27600	68400	76300	39900	47400	44500	23100	13800	18400	21200	16
17	12500	14900	31000	69300	76900	38400	46300	45700	22300	13600	18400	21500	17
18	12300	14800	30500	67400	76900	36700	44600	46600	20900	13600	18800	21500	18
19	11900	14700	26600	68500	76400	36600	43100	48500	20100	13400	18800	21300	19
20	11800	15100	23900	78500	75100	37500	42600	49800	19600	13300	19000	21400	20
21	11900	15100	21400	93500	73800	38900	41300	50200	18900	13500	18900	21200	21
22	11700	15200	19600	95200	73000	40500	40400	50100	18500	13700	19000	20900	22
23	11500	14500	18400	94400	72400	42900	39600	49500	18500	13500	19500	20500	23
24	11500	14100	18100	83300	73500	43100	39700	48000	18300	14100	19700	20300	24
25	11200	14200	21800	81800	74800	41500	40400	46000	17500	14700	19700	19900	25
26	11400	14000	33200	87600	75100	38500	41300	44600	17100	15000	19700	19600	26
27	11400	14100	38000	87000	73400	36300	43100	42700	16400	15000	19800	19600	27
28	11300	14000	39100	85100	72700	35400	43300	40800	16000	15200	20100	19600	28
29	11800	13700	38100	78400		35300	43200	39900	15600	15300	20500	18700	29
30	11900	13400	39000	77200		35900	42600	38000	15500	15300	21000	17900	30
31	12100		38700	76000		36800		36400		15300	21300		31
MEAN	11630	13000	22940	55400	71790	49730	45350	40610	23120	14220	18350	21020	MEAN
MAX.	12900	15200	39100	95200	76900	74600	54600	50200	35200	15500	21300	22700	MAX.
MIN.	10300	12200	13200	19000	66100	35300	38000	31500	15500	13300	15400	17900	MIN.
AC. FT.	715000	809500	1410000	3407000	3987000	3058000	2699000	2497000	1376000	874100	1128000	1251000	AC. FT.

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
32060	95500	28.18	1	21	0815	NR					23210000

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

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 ⁸		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.

⁸ - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	A81810	MIDDLE CREEK NEAR UPPER LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.2	1.2	1.6	124	320	538	67	33	6.7	1.4	0.0	0.0	1
2	0.2	1.6	1.4	110	310	487	65	30	5.2	1.1	0.0	0.0	2
3	0.2	1.6	1.4	97	288	416	65	30	4.8	1.1	0.0	0.0	3
4	0.2	1.6	1.4	97	283	365	63	28	4.3	1.0	0.0	0.0	4
5	0.3	1.6	1.4	89	421	335	98	27	3.9	0.9	0.0	0.0	5
6	0.3	1.6	1.1	78	550	310	121	26	3.6	0.7	0.0	0.0	6
7	0.4	1.6	1.1	69 *	390	274	110	24	3.9	0.6	0.0	0.0	7
8	0.5	1.6	1.1	56	430	247	82	24	3.9	0.5	0.0	0.0	8
9	0.5	1.6	1.1	51	1340	224	82	23	5.2	0.3	0.0	0.0	9
10	0.5	1.6	409	48	984	197	74 *	23	6.7	0.2	0.0	0.0	10
11	0.6	1.6	168 *	519	1820	171	63 *	21	7.2	0.2	0.0	0.0	11
12	1.0	1.6	63	1440	1250	150	58	20	7.2	0.1	0.0 *	0.0	12
13	1.1	1.4	61	2300 *	706	130 *	54	20	7.2	0.1	0.0	0.0	13
14	1.0	1.6	224	953 *	550 *	115	51	19	6.7	0.1	0.0	0.0	14
15	1.0	1.6	817	514	961	105	49	17	5.7	0.1	0.0	0.0	15
16	1.0	1.6	270	340	778	102	46	17	4.8	0.2	0.0	0.0	16
17	0.9	1.6	121 *	216	562	216	44	16	3.9	0.4	0.0	0.0	17
18	0.8	1.6	78	304	421	212	44	15	3.9	0.3	0.0	0.0	18
19	0.9	1.6	62	1160	330	186	42	15	3.3	0.2	0.0	0.0	19
20	0.9	1.4	44	1970 *	260	157	39	13	3.3	0.3	0.0	0.0	20
21	0.8	1.6	34	2100 *	216	137	38	13	2.9	0.5	0.0	0.0	21
22	0.7	1.6	32	1080 *	193	124	37	13 *	2.9	0.4	0.0	0.0	22
23	0.7	1.6	680	580	212	112	63	11	2.3	0.4	0.0	0.0	23
24	0.7	1.6	1060	421	265	105	65	11	2.6	0.4	0.0	0.0	24
25	0.9	1.6	835	558	283	99	53	11	2.3	0.4	0.0	0.0	25
26	0.9	1.6	514	1150	242	97	45	11	2.6 *	0.4	0.0	0.0	26
27	0.7	1.6	320	682	268	89	41	11	2.6	0.2	0.0	0.0	27
28	0.7	1.4	301	514 *	689	82	37	10	2.1	0.2	0.0	0.0	28
29	1.4	1.4	265	375		76	37	8.9	2.1	0.1	0.0	0.0	29
30	1.1 *	1.4	178	306		74	35	7.8	1.4	0.0	0.0	0.0	30
31	1.1		146	256		69		7.8		0.0	0.0		31
MEAN	0.7	1.6	216	599	547	194	58.9	18.0	4.2	0.4	0.0	0.0	MEAN
MAX.	1.4	1.6	1060	2300	1820	538	121	33	7.2	1.4	0.0	0.0	MAX.
MIN.	0.2	1.2	1.1	51	193	69	35	7.8	1.4	0.0	0.0	0.0	MIN.
AC. FT.	44	92.4	13280	36810	30390	11900	3507	1104	248	25.4	0.0	0.0	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
135	3337	11.25	1	13	0900						97400

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.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	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	101	365	849	33	22	0.7	0.0	0.0	0.0	1
2	0.0	0.0	0.0	80	345	632	36	22	0.7	0.0	0.0	0.0	2
3	0.0	0.0	0.0	65	271	544	40	20	0.6	0.0	0.0	0.0	3
4	0.0	0.0	0.0	55	228	418	33	20	0.6	0.0	0.0	0.0	4
5	0.0	0.0	0.0	49	358	345	79	19	0.5	0.0	0.0	0.0	5
6	0.0	0.0	0.0	41	777	283	72	17	0.5	0.0	0.0	0.0	6
7	0.0	0.0	0.0	38 *	728	228	58	16	0.5	0.0	0.0	0.0	7
8	0.0	0.0	0.0	35	559	192	51	15	0.6	0.0	0.0	0.0	8
9	0.0	0.0	0.0	31	1660	161	53	16	0.6	0.0	0.0	0.0	9
10	0.0	0.0	586	29	897	142	49	16	0.6	0.0	0.0	0.0	10
11	0.0	0.0	183 *	262	1490	122	42 *	14	0.5	0.0	0.0	0.0	11
12	0.0	0.0	79	1090	1060	110	39	14	0.5	0.0	0.0 *	0.0	12
13	0.0	0.0	67	2260	552	98 *	38	13	0.4	0.0	0.0	0.0	13
14	0.0	0.0	287	826 *	454 *	86	35	13	0.3	0.0	0.0	0.0	14
15	0.0	0.0	967	422	950	78	32	13	0.2	0.0	0.0	0.0	15
16	0.0	0.0	318	259	684	73	30	12	0.2	0.0	0.0	0.0	16
17	0.0	0.0	125 *	182	454	80	29	9.7	0.1	0.0	0.0	0.0	17
18	0.0	0.0	76	346	332	73	28	7.7	0.2	0.0	0.0	0.0	18
19	0.0	0.0	54	1400	245	66	26	7.7	0.3	0.0	0.0	0.0	19
20	0.0	0.0	37	2190	186	66	24	7.4	0.2	0.0	0.0	0.0	20
21	0.0	0.0	27	2380 *	152	68	23	6.8	0.3	0.0	0.0	0.0	21
22	0.0	0.0	25	1160 *	135	58	22	5.9 *	0.2	0.0	0.0	0.0	22
23	0.0	0.0	873	559	159	53	45	4.0	0.1	0.0	0.0	0.0	23
24	0.0	0.0	1870	398	395	50	59	3.4	0.1	0.0	0.0	0.0	24
25	0.0	0.0	1320	513	465	45	40	4.2	0.0	0.0	0.0	0.0	25
26	0.0	0.0	699	1450	377	43	33	3.8	0.0 *	0.0	0.0	0.0	26
27	0.0	0.0	362	740	472	41	30	3.6	0.0	0.0	0.0	0.0	27
28	0.0	0.0	361	514 *	1240	38	27	3.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	250	361		36	25	1.8	0.0	0.0	0.0	0.0	29
30	0.0	0.0	174	297		35	24	1.3	0.0	0.0	0.0	0.0	30
31	0.0		129	242		34		0.9		0.0	0.0		31
MEAN	0.0	0.0	286	593	571	166	38.5	10.7	0.3	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	1870	2380	1660	849	79	22	0.7	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	31	135	34	22	0.9	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	0.0	17591	36450	31720	10210	2291	661	18.8	0.0	0.0	0.0	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
137	3540	12.44	1	13	0900	0.0		10	1		98930

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 42	122 57 30	SW14 14N 10W				OCT 68-DATE	OCT 68-DATE	1968		0.00	LOCAL

Station located at Eickhoff Road Bridge, 4.0 mi. NW of Lakeport. Tributary to Clear Lake via Middle Creek. Flow affected by upstream diversion. Drainage area is 57 sq. mi.

Prior to Oct. 1968 gage located at site 2.8 mi. upstream.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	A81940	CLOVER CREEK BYPASS NEAR UPPER LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	126	290	29	3.2	0.3	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	112	302	34	3.2	0.3	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	88	254	31	3.2	0.3	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	84	212	26	2.8	0.3 E	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	172	194	58	2.1	0.3 E	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	242	172	47	1.5	0.3 E	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0 *	150	140	39	1.3	0.3 E	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	177	112	33	1.3	0.3 E	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	599	95	29	1.3	0.3 E	0.0	0.0	0.0	9
10	0.0	0.0	35 *	0.0	391	81	24 *	1.3	0.3 E	0.0	0.0	0.0	10
11	0.0	0.0	0.0	231	729	64	21	1.0	0.3 E	0.0	0.0	0.0	11
12	0.0	0.0	0.0	544	468	58	18	0.9	0.2 E	0.0	0.0 *	0.0	12
13	0.0	0.0	1.1	1230 *	266	47 *	17	0.7	0.2 E	0.0	0.0	0.0	13
14	0.0	0.0	0.2	260 *	236 *	39	16	0.7	0.1 E	0.0	0.0	0.0	14
15	0.0	0.0	214	78	379	39	13	0.7	0.1 E	0.0	0.0	0.0	15
16	0.0	0.0	0.0	24	302	47	11	0.6	0.0 E	0.0	0.0	0.0	16
17	0.0	0.0	0.0	11	248	117	10	0.6	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	101	200	112	9.0	0.6	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	546	172	98	7.2	0.6	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	890 *	136	88	6.6	0.6	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	1180	112	74	5.2	0.4	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	469 *	98	58	4.6	0.3 *	0.0	0.0	0.0	0.0	22
23	0.0	0.0	100 E	236	131	53	16	0.3	0.0	0.0	0.0	0.0	23
24	0.0	0.0	460 E	140	212	50	13	0.4	0.0	0.0	0.0	0.0	24
25	0.0	0.0	300 E	256	236	44	10	0.4	0.0	0.0	0.0	0.0	25
26	0.0	0.0	150 E	504	194	42	7.2	0.6	0.0 *	0.0	0.0	0.0	26
27	0.0	0.0	0.0 *	260	224	36	5.2	0.6	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	162 *	408	39	4.6	0.6	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	95		44	4.1	0.6	0.0	0.0	0.0	0.0	29
30	0.0 *	0.0	0.0	78		36	3.7	0.6	0.0	0.0	0.0	0.0	30
31	0.0		0.0	58		33		0.3		0.0	0.0		31
MEAN	0.0	0.0	40.7	302	246	990	18.4	1.1	0.1 E	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	460 E	1230	729	302	58	3.2	0.3	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	84	33	3.7	0.3	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	0.0	2500	14580	13670	6089	1096	66	8 E	0.0	0.0	0.0	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
52.5	2460	6.37	1	13	0800	0.0		10	1		38010

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	4110	7.31	12/22/64	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.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	A81250	BEAR CREEK NEAR RUMSEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.4	1.1	3.1	39	138	551	71	37 E	8.7	3.7	1.1 E	1.7 E	1
2	1.4	2.5	2.9	36 *	128 E	420	74	35 E	8.5	3.4	1.1 E	1.7 E	2
3	1.4	5.8	2.6	34	114 E	373	87 *	34 E	7.5	3.2	1.1 E	1.7 E	3
4	1.5	4.1	2.5	32	105 E	267	71	34 E	6.8	3.2	1.1 E	1.7 E	4
5	1.4	3.2	2.5	34	200 E	234	84	33 E	6.6	3.1	1.1 E	1.7 E	5
6	1.5	2.9	2.6	30	380 E	213	90	33 E	6.2	3.0	1.2 E	1.8 E	6
7	1.6	2.9	2.7	27	250 E	195	78	33 E	6.1	2.8	1.2 E	1.8 E	7
8	1.5	2.9	3.2	25	430 E	178	66	33 E	6.3	2.9	1.2 E	1.8 E	8
9	1.5	2.5	4.2	22	750 E	182	63	32 E	7.0	2.6	1.2 E	1.8 E	9
10	1.5	2.3	53	21	560 E	390	60	32 E	8.1	2.3	1.2 E	1.8 E	10
11	1.6	2.1	68	29	970 E	264	55	32 E	7.6	2.1	1.3 E	1.9 E	11
12	2.2	2.1	17	295	670 E	221	51	31 E	7.1	1.8	1.3 E	1.9 E	12
13	2.8	1.9	8.7	1480 *	470 E	182	49	31 E	6.6	1.6	1.3 E	1.9 E	13
14	2.4	2.6	64	227	550 E	161	50	30 E	6.1	1.5	1.3 E	1.9 E	14
15	2.2	5.3	502	101	740 E	148	49	29 E	5.8	1.4	1.3 E	1.9 E	15
16	2.1	5.7	113	75	460 E	137	46	27 E	5.8	1.5	1.4 E	1.9 E	16
17	1.9	4.2	39	63	365 E	141	45	26 E	5.6	1.4	1.4 E	1.9 E	17
18	1.9	4.2	23	242	305 E	132	44	25 E	5.5	1.3	1.4 E	1.9	18
19	1.8	4.5	16	663	274	120	43	24 E	5.6	1.2	1.4 E	1.9	19
20	1.7	3.7	12	796	224	123	43	23 E	5.6	1.2	1.4 E	1.9	20
21	1.7	3.2	9.4	2050	192	159	43	22 E	5.2	1.3	1.5 E	2.0	21
22	1.4	3.1	8.3	404	179	121	42	21 E	5.0	1.2	1.5 E	1.9	22
23	1.2	2.9	14	193	310	106	46 E	20 E	4.7	1.2	1.5 E	1.9	23
24	1.1	3.1	420	171	660	96	53 E	18 E	4.4	1.3	1.5 E	1.8	24
25	1.1	3.2 *	743	377	529	93	49 E	17 E	4.1	1.1	1.5 E	1.8	25
26	1.1	2.8	210	1210	278	90	45 E	15 E	4.1	1.1	1.6 E	1.8	26
27	1.1	2.6	80	292	291 *	87	43 E	14 E	4.6	1.1	1.6 E	1.7	27
28	1.1	2.4	130	196	1360	84	41 E	12 E	4.4	1.1	1.6 E	1.8	28
29	1.1	2.4	85	150		81	39 E	10 E	4.1	1.1	1.6 E	1.8	29
30	1.1	2.7	57	170		76	38 E	9.1	3.8	1.1	1.6 E	1.7	30
31	1.1		45	134		73		9.0		1.1 *	1.6 E		31
MEAN	1.6	3.2	88.5	310	424	183	55.3	25.2	5.9	1.9	1.4	1.8	MEAN
MAX.	2.8	5.8	743	2050	1360	551	90	37	8.7	3.7	1.6	2.0	MAX.
MIN.	1.1	1.1	2.5	21	105	73	38	9.0	3.8	1.1	1.1	1.7	MIN.
AC. FT.	96	188	5442	19077	23570	11302	3290	1550	352	115	84	108	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
90.0	3520	7.88	1	21	0615	1.1	0.79	10	24	0515	65170

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
1969	481200	CACHE CREEK ABOVE RUMSEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	126	13	25	359	3,710	7,060	507	463	484	497	412	311	1
2	121	15	25	327	3,920	6,260	500	456	505	498	407	327	2
3	118	21	25	311	3,580	5,980	554	454	535	535	378	348	3
4	117	22	24	312	3,530	5,400	467	479	554	542	357	346	4
5	106	18	24	348	4,900	5,080	558	468	587	525	374	345	5
6	103	16	24	341	7,440	4,940	951	486	597	491	395	342	6
7	99	15	23	313	4,840	4,650	909	488	590	497	472	307	7
8	83	14	25	283	4,330	4,380	866	512	571	568	485	280	8
9	76	13	29	255	7,370	4,260	1,030	531	536	608	465	249	9
10	74	13	276	236	6,270	4,470	1,350	539	531	594	450	250 *	10
11	74	14	677	240	8,830	4,050	1,330	542	466	573	430	273 *	11
12	78	15	249	2,360	8,090	3,890	1,310	573	418	557	403	273	12
13	75	16	152	9,180 *	6,090	3,690	1,050	643	414	542	416	270	13
14	67	19	500	3,290	6,560	3,570	364	616	414	522	412	269	14
15	56	29	2,140	1,560	10,500	3,470	340	590	454	549	376	256	15
16	51	35	1,110	1,080	7,320	3,390	318	548	480	581	357	262	16
17	49	35	434	830	6,050	3,080	304	513	515	567	329	258	17
18	49	38	272	1,110	5,740	1,010 *	298	507	520	583	337	242	18
19	48	39	203	4,850	5,390	933	289	500	556	608	390	234	19
20	48	39	164	8,150	4,990	892	278	489	555	538	457	230	20
21	49	37	137	15,600	4,540	923	270	495	555	512	459	226	21
22	51 *	32	120	8,380	4,400	827	261	507	554	519	461	199	22
23	45	28	130	6,010	4,840	778	319	529	537	521	468	173	23
24	39	26	1,410	5,300	5,980	746	374	551	500	534	446	178	24
25	39	27 *	2,960	5,670	5,720	724	308	546	508	505	428	168	25
26	39	25	1,470	9,650	4,970	698	280	534	489	514	428	156	26
27	38	24	742	5,780	5,020 *	682	262	485	476	496	447	140	27
28	37	23	731	5,250	9,020	677	248	480	502	465	442	138	28
29	34	23	630	4,500		830	382	448	470	458	402	134	29
30	19	23	500	4,360		562	452	441	473	451	365	139	30
31	15		416	4,030		530		448		436 *	336		31
MEAN	65.3	23.6	504	3,556	5,855	2,852	557	511	511	528	412	243	MEAN
MAX.	126	39.0	2,960	15,600	10,500	7,060	1,350	643	597	608	485	348	MAX.
MIN.	15.0	13.0	23.0	236	3,530	530	248	441	414	436	329	134	MIN.
AC. FT.	4013	1402	31035	218707	325170	175402	33181	31460	30438	32501	25357	14509	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
1275.2	20200	14.63	01	21	0700	13.0	0.86	11	01	0545	923176

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	26,700 E	18.30 E	1-31-1963	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
1969	A95010	POPE CREEK NEAR POPE VALLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	2.2	2.6	57	310	757	57 *	31	8.9	2.4	0.9	0.3	1
2	0.0	5.6	2.5	47	245	583	64	30	9.0	2.5	0.9	0.3	2
3	0.0	24	2.4	40	203	454	80	28	8.9	2.4	0.9	0.2	3
4	0.0	9.5	3.0	36	177	324	62	27	8.6	2.4	1.0	0.2	4
5	0.0	4.9	2.6	32	565	269	117	25	8.7	2.2	0.9	0.2*	5
6	0.0	3.1	2.4	29	1,070	234	118	24	8.5	2.2	0.8	0.2	6
7	0.0	2.5	2.3	27	364	207	96	24	7.3	2.3	0.8	0.2	7
8	0.0	1.9	3.3	25	315	183	79	24	8.4	2.4	0.8	0.3	8
9	0.0	0.8	14	23	1,890	176	73	22	9.3	2.2	0.8	0.3	9
10	0.0	0.2	498	22	737	201	68	22	9.4	2.1	0.7	0.3	10
11	0.0	1.1	116	291	1,250	152 *	61 *	20	8.5	2.0	0.7	0.3	11
12	0.0	1.9	41 *	1,450	721	177	57	19	8.5	2.1	0.6	0.3	12
13	0.0	1.0	36	3,500	428	160	54	19	7.8*	2.1	0.6	0.3	13
14	0.0	2.5	293	596	642	136	52	19	7.1	1.9	0.5	0.2	14
15	0.0	28	897	273	1,860	124	48	19 *	6.7	1.9*	0.5	0.2	15
16	0.0	17	188	193	754	117	44	18	6.5	1.8	0.5	0.2	16
17	0.0	9.6	80	153	499	132	42	18	5.8	1.7	0.5	0.2	17
18	0.0	11	52	678	426	121	41	17	5.2	1.6	0.5	0.3	18
19	0.0	21	41	2,820	340	109	39	16	5.2	1.5	0.4	0.3	19
20	0.0	12	32	3,270	283	110	38	16	5.2	1.3	0.5	0.1	20
21	0.0	8.2	26	3,390	243	114	36	15	5.4	1.2	0.5	0.3	21
22	0.0	6.2	22	1,150	222	100	35	15	5.5	1.3	0.4	0.3	22
23	0.0	4.9	30	516	511	90	69	14	3.9	1.2	0.3	0.3	23
24	0.0	4.7	828	465	758	83	96	13	5.4	1.1	0.3	0.3	24
25	0.2	3.8	917	826	736	79	55	13	2.9	1.0	0.3	0.3	25
26	0.5	3.7	329	2,210	494	75	44	13	2.9	1.0	0.3	0.3	26
27	0.8	3.2	140	664	402 *	72	39	14	3.3	1.0	0.3	0.3	27
28	1.0	2.8	296	511	1,150	68	36	13	3.6	0.9	0.3	0.3	28
29	2.0	2.6	152	410		64	34	11	6.3	0.9	0.3	0.3	29
30	2.4	2.7	98	566 *		62	33	10	2.9	0.9	0.3	0.3	30
31	2.0		71	310		59		9.6		0.9	0.3		31
MEAN	0.3	6.8	168	792	628	180	58.9	18.7	6.5	1.7	0.6	0.3	MEAN
MAX.	2.4	28	917	3,500	1,890	757	118	31.0	9.4	2.5	1.0	0.3	MAX.
MIN.	0.0	0.2	2.3	22	177	59	33	9.6	2.9	0.9	0.3	0.2	MIN.
AC. FT.	18	402	10350	48754	34899	11092	3505	1148	388	104	35	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
153	6840	13.19	1	26	0200	0.0		10	1	0015	110,700

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
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
1969	A09115	SOUTH FORK PUTAH CREEK NEAR DAVIS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.5 *	1.2 *	7.2 *	35 *	2790 *	4240 *	582 *	95 *	46 *	8.2 *	0.7 *	0.1 *	1
2	1.5	0.8	32	45	2640	4200	553	103	51 *	0.9	0.4	0.3	2
3	1.8	0.8	36	46 *	2480 *	4070 *	538	98	51	0.3	0.4	0.3	3
4	1.6	1.0	39	46	2270	3730	541	99	43	0.2	0.6	0.2	4
5	2.4	1.1 *	38	47	2200	3390	557	100	37	0.1	0.3	0.3	5
6	1.6	1.1	15	48	3100	3060	526	100 *	35	2.5	0.2	0.1	6
7	2.9	1.2	3.0	48	3170	2800	621 *	90	32	14	0.2	0.1	7
8	3.7	1.2	0.8	48	2980	2540	611	89	35	28	16	0.3	8
9	3.3	8.4	0.8	48 *	3290	2340	624	86	39	35	31	0.4 *	9
10	2.2	21	1.0 *	48	4390	2200	611	81	32	33	34	0.4	10
11	1.6	23	0.9	43	4960	2010	557	83	28	32	45	0.3	11
12	0.9	15	0.9	52	5530	1930	539	84	30	28	19	0.2	12
13	1.0	2.4	0.9	291	5080	1770	504	72	22 *	28	2.2	0.1	13
14	3.6	2.0	0.7	429	4760	1690 *	441 *	67	20	33	1.8	0.1	14
15	2.5	1.0	0.6	73 *	6740	1560	394	62	24	19	1.8	0.2	15
16	1.1	0.7	0.6	57	6540	1470	377	60	31	6.9	0.3	0.2	16
17	1.2	0.7	0.6 *	54	6010 *	1430	324	58	29	15	0.1	0.2	17
18	1.2	1.0	17	63	5460	1350	290	59	26	20	0.2 *	0.2 *	18
19	0.9	1.0 *	38	856	4870	1260 *	315	61	26	13	3.0	0.2	19
20	0.8	1.0	100	1490	4280	1150	296	64 *	27 *	8.6	3.4	0.1	20
21	1.4	1.0	37	1020	3720	1080	259	55	26	6.5	2.3	0.1	21
22	1.1	1.0	47	269	3370	1100	248 *	58	24	11	1.6	0.2	22
23	1.4	0.8	29	485	3170	1050	204	57	26	13	0.2	0.7	23
24	1.3	0.8	40	915	3600 *	1020	253	54	23	9.9	0.1	0.7	24
25	1.4	1.2	57	1310	3600	970 *	262	56	21	14	0.2 *	0.3	25
26	1.2	1.2	61	3560	3560	933	254	57 *	25 *	13	0.3	0.2	26
27	1.1	1.2	49	3670	3360	866	230	55	28	15	0.2	0.5	27
28	1.3	0.6	50	3650	3810	787	178	50	23	15 *	0.2	0.1	28
29	1.3	0.5	49	3420		744	133	51	24	9.6	0.9	0.2	29
30	1.5	0.5 *	47	3310		732	128	50	20 *	2.5	3.5	0.2 *	30
31	1.4		46	3140		676		48		2.0	1.2		31
MEAN	1.7	3.1	27.3	923	3990	1876	398	71.0	30.1	14.1	5.5	0.3	MEAN
MAX.	3.7	23	100	3670	6740	4240	624	103	51	35	45	0.7	MAX.
MIN.	0.8	0.5	0.6	35	2200	676	128	31	20	0.1	0.1	0.1	MIN.
AC. FT.	103	187	1676	56760	221600	115300	23700	4368	1793	867	340	15	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
589	7300	13.65	2	15	0600	0.0		12	1	0000	426800

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	8410	12.93	2-16-1959	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
1969	A02935	YOLO BYPASS NEAR WOODLAND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	19	7.8	4.1	1690	63100	34900	901	259	632	22	5.1	35	1
2	22	8.4	4.1	1360	40300	36300	889	248	527	18	5.1	35	2
3	21	14	3.0	945	27400	36100	904	211	440	15	6.6	36 *	3
4	21	16 *	3.0	626	19600	31800	911	215	352	12	13	35	4
5	20	24	3.0	442	13100	24600	961	215	206	8.4	29	35	5
6	21	24	2.7 *	337	15100	18900 *	976	169	94	15	27 *	34	6
7	20	24	4.6	272	19900	13500	1010	115	79	21	27	31	7
8	15	19	6.1	248	19100	8980	1030	69	77	20	26	32	8
9	17	13	5.1	219	19200	6620	1040	57	58	22	25	39	9
10	18	9.0	6.1	193	21300	6000	1040	87	52	32	25	32	10
11	15	7.8	8.4	167	22100	5720	1090	160	60 *	32	24	32	11
12	17	8.4	7.2	169	33300	5460	1120	395	60	34	23	27	12
13	17	10	5.1	1300	43200	5010	1140	635	134	35	20	27	13
14	14	4.6	12	8100	52200	4370	1130	812	134	35	20	26	14
15	16	8.4	32	11000	65000	3930	997	916	116	34	19	27	15
16	29	9.0	366	36700 *	82000	3630	724	1020	97	9.0	19	25	16
17	20	9.0	2270 *	32400	81000	3530	544	1060	80	4.1	20	22	17
18	12	8.4	2160	20500	77800	3120	469	1050	63	5.6 *	6.1	22	18
19	21	9.0	1600	13700	70100	2810	335	1060	58	9.6	0.9	24	19
20	21	12	895	28700	58100	1760	282	1050	62	24	0.6	24	20
21	16	19	412	50600	47000	1640	282	1030	50	31	0.3	24	21
22	15	18	216	79200	39700	1640	259	983	60	25	0.3	20	22
23	14	10	146	98900	36700	1760	222	944	30	5.6	0.2	19	23
24	29	7.8	126	107000 *	34500	1540	224	894	0.0	0.0	0.1	19	24
25	32	7.2	203	102000	35100	1270	268	865	0.0	0.0	3.7	19	25
26	35	5.1	2400	100000	38700	1140	270	877	0.0	0.0	15	18	26
27	35	4.6	3720	109000	33700	1120 *	287	880	0.1	0.0	24	18	27
28	29	5.6	3160	100000	30200	1060	282	856	0.3	15	26	18	28
29	13	5.6	2590	94800		990	272	820	1.5	31	27	18	29
30	10	4.6	2320	83000		959	292 *	767	8.4	29	27	18	30
31	7.8		2020	78400		944		707		18	30		31
MEAN	19.7	11.1	797	37480	40660	8745	672	627	118	18.1	16.0	26.4	MEAN
MAX.	35	24	3720	109000	82000	36300	1140	1060	632	35	30	39	MAX.
MIN.	7.8	4.6	2.7	167	13100	944	222	57	0.0	0.0	0.1	18	MIN.
AC. FT.	1210	661	49010	2305000	2258000	537700	39970	38530	7000	1120	982	1570	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
7239	112000	28.74	1	27	0400	0.0		6	24		5241000

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 ¤	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

¤ - Irrigation season only.
- Flood season only.

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

WATER YEAR	STATION NO.	STATION NAME
1969	B07020	SAN JOAQUIN RIVER NEAR VERNALIS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1040	1840	1700	4320	31000	47600	25500	16900	33500	11200	2370	2700	1
2	1010	1900	1690	4200	29900	46200	25300	16900	33500	10100	2410	2700	2
3	1060	2020	1700	4160	28700	44200	24700	16800	33600	9450	2460	2680	3
4	1110	2100	1740	3690	27000	41800 *	24100	16100	33600	8500	2450	2710	4
5	1180	2100	1750	3230	26900 *	39300	23400	15900	33600	8260	2340	2790	5
6	1260	2020	1800 *	2880	26900	36400	23200	16400	33600	8660	2250	2880	6
7	1240	1980	2070	2780 *	27000	34000	24300	16700	33600	8540	2220	2980	7
8	1190	1940	2240	2990	27300	32200	25400	16900	33800	8110 *	2210	3250	8
9	1130	1870	2190	2950	28100	31000	26600	17200	34100	7650	2210	3300	9
10	1120	1830	2140	3000	30000	30400	27400 *	17400	34500	6860	2230	3260	10
11	1120 *	1780	2080	3200	31500	30000	27000	17200	35000	6910	2280 *	3250	11
12	1040	1620	2080	3320	31900	29900	26000	17800	34900	6930	2170	3210	12
13	1270	1390 *	2040	3340	32400	29800	25100	19600	34000	6490	2140	3120	13
14	1630	1330	2140	3580	32900	29200	24400	21300	32600	6080	2090	3150	14
15	1970	1410	2320	6180	32800	28400	23700	23000	31200	5620	2040	3160	15
16	2000	1440	2120	7700	32800	28100	22600	25100	29700	5700	1990	3070	16
17	1820	1500	2070	7560	32900	27900	21500	27200	27300	6640	2110	3090	17
18	1630 *	1500	2420	7650	32900	27300	20600	29000	26200 *	5910	2280	3090 *	18
19	1490	1470	2610	7770	32900	26700 *	20200	30300	26200	4350	2320	3000	19
20	1330	1440	2580	9350	34200	26300	19900	30900	25600	3750	2320	3200	20
21	1180	1400	2590	14000 *	35200	26000	19900	31200	24100	3790	2320	3260	21
22	1120	1380	2730	23100	35300	26000	19700	31300	22900	3830	2330	3300	22
23	1150	1350	2740	29600 *	34200	26400	19100	31500 *	21700	3630	2320	3270	23
24	1210	1310	2750	27200	33600	26800	18400	31900	20800	3140	2420	3200	24
25	1290	1280	2840	26300	34800	27100	17900	32200	20500	2940	2580	3240	25
26	1560	1290	2760	29100	38800	27200	17700	32400	20600	2820	2500	3480	26
27	1660	1290	3060	41700 *	44000	27100	17700	32400	20000	2950	2440	3590	27
28	1720	1290	4180	39000 *	45600	26500	17700	32500	17900	3020	2470	4190	28
29	1770	1410	4460	36800		26000	17400	32700	15200	2930	2500	4680	29
30	1800	1650	4490	35000		25800	17100 *	33000	12800	2670	2620	4850	30
31	1810		4440	32600		25550		33300		2520	2670		31
MEAN	1384	1604	2533	13810	32550	30870	22120	24610	27890	5803	2325	3255	MEAN
MAX.	2000	2100	4490	41700	45600	47600	27400	33300	35000	11200	2670	2680	MAX.
MIN.	1010	1280	1690	2780	26900	25500	17100	15900	12800	2520	1990	4850	MIN.
AC. FT.	85110	95460	155700	849400	1808000	1898000	1316000	1513000	1659000	356800	142900	193700	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
13920	52600	34.55	1	27	2200	1010	10.48	10	2		10070000

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 ♂	JUL 22-DEC 23 ♂	1931	1959	5.06	USCGS
						JAN 24-FEB 25	JAN 24-FEB 25	1959		0.00	USCGS
						JUN 25-OCT 28 ♂	JUN 25-OCT 28 ♂	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.

♂ - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	B00915	SOUTH SAN JOAQUIN IRRIGATION DISTRICT DRAIN 11 NEAR MANTECA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	25	4.0	3.4	4.1								30	1
2	26	4.4	3.7	4.1								28	2
3	29	5.1	3.9	4.1								18	3
4	23	4.6	4.1	4.0							N	16	4
5	26	NR	4.3	4.0							O	18	5
											T		
6	23	NR	4.2 *	4.0								26	6
7	21	NR	4.2	4.0							C	26	7
8	18	NR	4.1	4.2 *							O	25	8
9	21	NR	4.5	4.2							M	27	9
10	21 *	NR	4.6	4.0							P	28	10
											U		
11	22	NR	3.8	4.0							T	29	11
12	20	NR	3.2	3.9							E	27	12
13	18	3.7	3.1	4.0							D	18	13
14	20	4.5	3.3	3.8								26	14
15	18	5.1	3.3	3.5								28	15
16	18	4.8	3.2	N	N	N	N	N	N	N	19	23	16
17	14	3.7	3.3	O	O	O	O	O	O	O	17	20	17
18	12	3.5	4.1	T	T	T	T	T	T	T	20	20	18
19	11	3.3	4.0								24	26	19
20	11	3.3	3.2	C	C	C	C	C	C	C	15	23	20
				O	O	O	O	O	O	O			
21	11	3.2	3.1	M	M	M	M	M	M	M	15	23	21
22	10	3.1	3.1	P	P	P	P	P	P	P	12	28	22
23	11	3.2	3.1	U	U	U	U	U	U	U	11	26	23
24	10	3.2	3.4	T	T	T	T	T	T	T	13	20	24
25	10	3.1	3.6	E	E	E	E	E	E	E	16	21	25
				D	D	D	D	D	D	D			
26	8.5	3.0	4.1								16	28	26
27	4.7	2.9	4.0								15	24	27
28	4.5	2.9	4.1								23	29	28
29	4.3	2.9	4.1								29	27	29
30	4.1	3.0	4.0								30	19	30
31	4.0		4.1								29		31
MEAN	15.5	NR	3.8									24.2	MEAN
MAX.	29	NR	4.6									30	MAX.
MIN.	4.0	NR	3.1									16	MIN.
AC. FT.	950	NR	230									1442	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

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 45 38	121 16 50	SW 14 2S 6E				JAN 1959-DATE	JAN 1959-DATE	1959		0.00	LOCAL

Station located 400 feet east of Walthall Slough, 1.9 miles southeast of junction of State Highway 120 and U. S. Highway 50, 4.3 miles southwest of Manteca. This is drainage returned to San Joaquin River via Walthall Slough. Backwater from Walthall Slough 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
1969	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	0.0	0.0	0.0	81	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	108	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	317	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	21	0.0	160	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	1.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	29	157	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	165	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	183	0.0	0.0	0.0	0.0	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	0.0	185	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	24	286 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	190	162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	78	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0		0.0	0.0		0.0		0.0		0.0	0.0		31
MEAN	0.0	0.0	7.6	39.3	32.9	2.6	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	190	286	185	81	0.0	0.0	0.0	0.0	0.0	0.0	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.	0.0	0.0	469	2410	1820	161	0.0	0.0	0.0	0.0	0.0	0.0	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
6.7	825		1	25		0		10	1		4870

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
1969	B02870	LITTLEJOHN CREEK AT FARMINGTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	12	1.7	0.3	85	1580	1290	24	5.6	9.6	8.4	16	21	1
2	12	1.7	0.3	67	382	1060	17	10	13	11	7.8	19	2
3	14	4.6	0.2	56	252	525	19	8.4	16	12	8.0	19	3
4	14	20.0	0.1	46	208	394	16	14	20	7.0	13	34	4
5	14	5.4	0.0	40	205	380	23	12	25	7.2	14	28	5
6	14	9.7	0.0	36	400	287	243	19	23	5.6	23	23	6
7	16	9.1	0.0	31	620	207	285	21	15	6.4	18	24	7
8	14	5.8	0.0	29	778	175	224	18	16	12	12	28	8
9	14	2.7	0.0	26	612	151	146	18	17	14	10	34	9
10	16	1.5	0.0	22	267	167	98	18	23	13	10	42	10
11	17	1.2	0.0	20	301	258	76	11	20	10	18	38	11
12	18	0.9	0.0	22	580	148	60	14	20	13	22	38	12
13	18	0.8	0.0	521	624	167	46	15	18	11	27	35	13
14	18	0.7	0.2	1120	610	159	36	14	17	6.6	28	30	14
15	18	0.9	34	1870	612	134	27	10	21	5.2	20	26	15
16	18	2.3	220	1700	674	116	24	8.4	26	6.2	18	28	16
17	18	1.5	86	549	866	102	22	8.8	29	8.8	18	37	17
18	16	5.6	63	197	1190	91	17	11	31	12	16	44	18
19	15	4.0	44	614	1290	81	16	15	25	13	15	52	19
20	10	1.8	33	1600	1600	72	12	15	20	14	19	49	20
21	7.0	1.0	27	1750	1820	105	8.8	16	15	16	30	39	21
22	4.4	0.9	22	1840	1660	174	7.6	14	15	19	25	27	22
23	2.5	0.8	20	1880	766	133	6.4	15	18	15	22	30	23
24	2.0	0.7	20	1770	1110	105	5.0	18	24	18	21	23	24
25	0.9	0.7	169	1640	1740	86	5.2	18	21	20	23	24	25
26	0.7	0.6	844 *	1510	1720	74	6.4	17	16	12	20	38	26
27	0.5	0.5	798	1760	1740	64	4.4	18	10	12	17	30	27
28	0.3	0.5	452	1780	1020	55	4.8	14	9.2	19	20	17	28
29	0.5	0.4	235	1800		47	7.2	14	11	19	25	2.6	29
30	0.9	0.4	161	1880		40	7.0	15	7.8	19	21	2.8	30
31	1.4		111	1770		30		14		18	18		31
MEAN	10.5	2.7	108	904	901	222	49.8	14.2	18.4	12.4	18.5	29.3	MEAN
MAX.	18	20.0	844 *	1880	1820	1290	285	21	31	20	30	52	MAX.
MIN.	0.3	0.4	0.0	20	205	30	5.0	5.6	7.8	5.2	7.8	2.6	MIN.
AC. FT.	649	175	6620	55600	50040	13660	2960	871	1090	760	1140	1750	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
187	2060		1	26	0700	0.0		12	5		135300

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
1969	802805	FRENCH CAMP SLOUGH NEAR FRENCH CAMP

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	58	17 E	3.0	111	1,620	1,300	31	60	52	56	64	100	1
2	62 *	17 E	3.2	80 *	631	1,330	57	42 *	37	49	46	75	2
3	56	17 E	2.9*	65	279	631	68	35	53	58	30	74	3
4	65	18 E	2.4	53	193	431	67	27	54	57	28	81	4
5	62	18 E	2.0	45	159	408	97	29	56	60	33	104	5
6	48	18 E	1.6*	41	372	328	295	18	45 *	43	18	91	6
7	55	18 E	1.4	39	639	203	393	26	31	33	21	122	7
8	74	19 #	1.5	36	814	160	315	21	32	22	28	128	8
9	61	16 E	1.2	31	695	132	183	21	53	40	30	120	9
10	75	14 E	1.3	27	308	125	119	21	57	46	37	118	10
11	90	11 E	3.1	25	217	148	83	21	69	38	51	127	11
12	85	8.2 E	3.6	26	366	137	61	21	99	32	59	118	12
13	86	5.5 #	3.2	284	778	133	53	21	93	37	49	131	13
14	99	6.2 E	27	1,270 *	811	141	64	21	84	52	36	120	14
15	93	6.9 E	93	1,940 *	748	124	66	29	87	31	42	121	15
16	51	7.6 E	276	1,820	880	102	78	35	82	26	52	91	16
17	31	8.2 E	210 *	893	978	87	56	33	72	37	47	125	17
18	23	8.9 E	105	268	1,200	77	53	29	70	39	37	132	18
19	17	9.6 E	70 *	771	1,570	68	60	44	73	30	29	100	19
20	18	10	54	1,640	1,660	60	44	54	51	37	29	122	20
21	16 E	11	42	1,960	1,800	73	47	59	69	30	44	145	21
22	13 #	8.5	36	2,030	1,700	139	48	69	75	36	43	118	22
23	13 E	8.3	31	2,010	983	139	48	26	58	49	34	85	23
24	14 E	7.8	33	1,840	1,290	99	69	104	24	43	36	61	24
25	14 E	7.3	107	1,860 *	1,860	76	65	83	32	37	48	67	25
26	14 E	5.3	927 *	1,890	1,880	62	55	112 *	72	51	66	69	26
27	15 E	3.3	1,060	1,970	1,700	52	43	82	39	51	85	98	27
28	15 E	3.0	725	1,960	1,240	45	56	76	31	48	80	83	28
29	15 E	2.7	400	1,830		40	51	78	50	44	79	96	29
30	16 E	2.9	249	1,860		35	68	80	40	44	79	60	30
31	16 E		160 *	1,700		29		76		50	99		31
MEAN	44.2 E	10.5 E	149	979	995	223	93.1	46.9	58.0	42.1	47.1	102	MEAN
MAX.	99	19 E	1,060	2,030	1,880	1,330	393	112	99	60	99	145	MAX.
MIN.	13 E	2.7	1.2	25	159	29	31	18	24	22	18	60	MIN.
AC. FT.	2717 E	623 E	9194	60248	55281	13714	5540	28820	3451	2590	2894	6113	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
232	2170	10.37	1	26	1130	NR					191200

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		PERIOD		DATUM OF GAGE	
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY ~	FROM	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	JAN 50-MAY 50	1950	1955	0.00	LOCAL
						OCT 50-DATE	OCT 50-DATE	1955		4.00	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
1969	B00908	SOUTH SAN JOAQUIN IRRIGATION DISTRICT MAIN DRAIN NEAR FRENCH CAMP

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	60	8.4	8.0	13	NF	NF	NR	NR	49	62	134	52	1
2	51	NR	6.9	12	NF	155	NR	66	46	56	67	42	2
3	56	NR	6.7	13	15	90	NR	65	40	60	51	44	3
4	45	NR	2.3	12	20	38	31	64	41	62	44	54	4
5	45	NR	7.4	11	23	50	46	62	42	68	65	50	5
6	53	NR	7.4	10	NF	54	52	47	52	61	81	42	6
7	45	NR	7.4	11	NF	35	38	48	45	47	54	56	7
8	38	NR	7.6	11	54	30	26	40	40	49	47	46	8
9	36	NR	7.0	9.0	71	34	NR	42	54	44	63	53	9
10	43	NR	9.5	9.3	54	46	NR	39	62	43	66	49	10
11	51	NR	8.9	13	NF	31	NR	45	61	53	106	49	11
12	71	NR	6.4	13	NF	42	NR	51	57	44	102	51	12
13	90	NR	6.8	42	NF	42	NR	54	65	48	146	52	13
14	76	NR	18	NF	111	40	NR	58	76	60	100	65	14
15	80	NR	16	NF	NF	37	NR	57	62	69	85	68	15
16	27	NR	25	NF	NF	37	NR	54	64	51	88	48	16
17	14	NR	7.9	NF	52	35	NR	47	53	40	72	47	17
18	11	NR	11	22	NF	30	NR	56	52	36	64	58	18
19	10	NR	12	55	NF	36	NR	55	49	39	61	55	19
20	9.7	NR	11	NF	NF	38	NR	53	51	48	86	54	20
21	9.2	10	10	NF	NF	38	NR	62	59	72	78	54	21
22	8.6	8.9	8.6	NF	87	40	NR	51	51	55	40	50	22
23	9.0	8.9	7.8	NF	143	38	NR	47	44	50	39	43	23
24	10	8.6	11	NF	NF	36	NR	56	52	46	42	41	24
25	11	6.9	16	NF	NF	36	NR	60	65	62	44	44	25
26	11	6.6	60	NF	NF	NR	NR	75	73	91	51	49	26
27	10	6.8	NF	NF	NF	NR	NR	54	67	45	43	54	27
28	10	6.7	43	NF	200	NR	NR	47	62	51	41	52	28
29	9.6	6.4	18	NF		NR	NR	53	58	27	41	49	29
30	9.9	7.6	10	NF			NR	49	57	42	44	41	30
31	8.4		12	NF		NR		51		115	44		31
MEAN	32.8	NR	12.8	8.3	29.6	NR	NR	NR	55.0	54.8	67.4	50.4	MEAN
MAX.	90	NR	60	55	200	NR	NR	NR	76	115	146	68	MAX.
MIN.	8.4	NR	0.0	0.0	0.0	NR	NR	NR	40	27	39	41	MIN.
AC. FT.	2020	NR	783	508	1646	NR	NR	NR	3271	3364	4143	2999	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
37 53 12	121 15 58	SE 13 1N 6E				SEPT 1968-DATE	SEPT 1968-DATE	9-30-68		0.00	LOCAL

Station located 2000 feet downstream from French Camp Slough Road. This is drainage returned to San Joaquin River via French Camp Slough. Backwater from French Camp Slough 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
1969	802835	DUCK CREEK NEAR STOCKTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3.2	0.5	0.0	6.4	12	194	0.0	1.7	5.0	5.0	5.0	6.5	1
2	2.5*	0.4	0.0	3.0	8.7	63	0.0	1.6	4.4	4.0	6.3	6.3	2
3	2.5	2.1	0.0	2.0	6.7	21	0.0	0.8	4.5	4.7	6.1	5.2	3
4	3.6	1.2	0.0	1.3	4.0	14	0.0	2.1	6.1	5.3	6.4	5.7	4
5	3.9	3.9	0.0*	0.9	2.6	9.2	0.7	0.6	6.6	4.1	7.1	7.0	5
6	3.5	2.9	0.0	0.6	76	7.2	2.3	0.1	5.7	5.3	7.6	7.0	6
7	2.6	1.4	0.0	0.5	93	4.8	1.8	1.1	6.8	4.4	7.2	9.0	7
8	2.2	0.5	0.0	0.3	29	1.8	15	1.6	6.4	4.4	6.2	5.5	8
9	2.5	0.3	0.0	1.3	13	0.9	9.5	2.5	6.1	4.5	6.0	5.1	9
10	3.2	0.1	0.0	0.5	8.8	0.6	3.0	2.3	5.8	4.3	5.9	6.3	10
11	3.0	0.1	0.4	0.6	16	0.3	1.5	3.5	6.4	4.2	4.2	6.3	11
12	2.4	0.1	0.1	0.6	289	0.3	0.4	1.9	7.5	5.1	4.2	5.8	12
13	1.7	0.0	0.0	110	78	0.2	0.2	1.1	6.1	4.2	5.5	6.0	13
14	1.5	0.0	4.8	285 *	24	0.1	0.0	2.9	4.0	4.5	4.6	6.6	14
15	1.2	2.4	29	75	195	0.1	0.6	2.6	4.5	4.1	4.3	7.9	15
16	0.7	0.9	105	32	189	0.1	1.5	3.4	3.7	5.8	4.9	7.5	16
17	0.1	1.5	28 *	14	47	0.7	1.7	4.5	4.3	6.2	4.5	7.8	17
18	0.0	1.2	14	13	169	0.2	0.3	5.8	3.5	5.6	3.4	7.0	18
19	0.0	0.5	8.2	255	206	0.0	2.5	7.0	4.1	5.6	3.6	7.3	19
20	0.0	0.1	4.7	235 *	89	0.1	0.4	5.3	5.5	3.7	3.0	7.5	20
21	0.0	0.1	2.4	269	30	0.2	0.0	3.7	4.8	3.8	2.7	8.3	21
22	0.0	0.0	1.4	136	13	0.0	1.9	2.4	4.0	7.8	2.6	8.7	22
23	0.1	0.0	0.9	49	86	0.0	1.0	7.4	4.8	12	3.3	6.4	23
24	0.2	0.0	1.5	24	124	0.0	0.3	5.9	4.2	7.1	4.1	3.5	24
25	0.3	0.0	25	274 *	83	0.0	1.4	7.5	3.2	5.9	4.4	4.3	25
26	0.5	0.0	261	285	16	0.0	4.0	7.8	3.1	4.3	4.9	3.7	26
27	0.5	0.0	76	117	12	0.0	3.6	7.9	4.2	3.9	4.2	3.9	27
28	0.6	0.0	26	50	1.6	0.0	3.2	6.2	5.9	4.9	4.8	4.6	28
29	1.1	0.0	30	88		0.0	1.8	5.8	7.2	4.4	5.4	2.9	29
30	2.6	0.0	17	31		0.0	1.7	5.9	4.6	5.1	6.6	3.8	30
31	2.1		11	19		0.0		5.1		5.2	7.8		31
MEAN	1.6	0.7	20.9	76.7	68.6	10.3	2.0	3.8	5.1	5.1	5.1	6.1	MEAN
MAX.	3.9	3.9	261	285	289	194	15.0	7.9	7.5	12.0	7.8	9.0	MAX.
MIN.	0.0	0.0	0.0	0.3	1.6	0.0	0.0	0.1	3.1	3.7	2.6	2.9	MIN.
AC. FT.	96	40	1282	4719	3811	632	120	234	303	316	311	364	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
16.9	477	5.49	01	25	1200	0.0	1.85	10	18	2330	12228

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	1-25-69	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
1969	B02520	CALAVERAS RIVER NEAR STOCKTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.8	0.0	0.0	11	21	78	12	32	NR	19	15	46	1
2	0.4*	0.0	0.0	11	19	47	12	26	NR	17	17	48	2
3	0.2	0.0	0.0	9.8	17	36	3.3	36	NR	6.4	22	39	3
4	9.0	0.0	0.0	7.7	15	32	0.1	36	NR	7.6	19	20	4
5	9.0	0.0	0.0*	7.7	23	25	0.0	21	NR	6.6	13	15	5
6	4.2	0.0	0.0	7.7	76	23	8.4	21	NR	2.4	20	17	6
7	7.8	0.0	0.0	7.7	47	22	NR	21	NR	15	17	29	7
8	10	0.0	0.0	7.9	25	21	NR	19	NR	9.0	11	22	8
9	8.8	0.0	0.0	5.0	25	37	NR	23	NR	9.1	6.6	6.5	9
10	6.2	0.0	0.0	4.6	23	99	NR	20	NR	5.0	18	2.0	10
11	6.4	0.0	0.0	5.5	26	98	NR	12	NR	4.8	11	20	11
12	4.0	0.0	0.0	6.1	126	76	NR	10	NR	5.1	1.3	16	12
13	0.5	0.0*	0.0	30	35	46	NR	5.9	NR	23	1.0	6.5	13
14	0.3	0.0	0.0	46	35	41	NR	1.9	NR	23	27	3.2	14
15	0.2	0.0	0.0	14	97	39	NR	18	NR	15	36	5.0	15
16	0.1	0.0	0.0	8.9	129	38	NR	37	NR	7.4	37	1.8	16
17	0.0	0.0	0.0	7.7	24	37	NR	31	NR	5.1	41	1.6	17
18	0.0	0.0	0.0	8.0	76	32	NR	32	NR	27	28	6.4	18
19	0.0	0.0	0.0	NR	83	31	NR	NR	NR	27	8.5	15	19
20	0.0	0.0	0.0	NR	30	25	NR	NR	NR	41	20	21	20
21	0.0	0.0	0.0	77	37	19	NR	NR	NR	38	38	18	21
22	0.0	0.0	0.0	45	32	19	NR	NR	NR	30	24	15	22
23	0.0	0.0	0.0	6.9	88	17	NR	NR	NR	14	19	18	23
24	0.0	0.0	0.0	6.9	84	15	NR	NR	NR	28	34	11	24
25	0.0	0.0	0.0	139	53	15	NR	NR	NR	37	36	8.2	25
26	0.0	0.0	0.0	146	35	14	6.5	NR	NR	36	21	11	26
27	0.0	0.0	1.2	52	45	14	20	NR	25	45	35	12	27
28	0.0	0.0	2.1	25	30	14	20	NR	37	39	34	5.7	28
29	0.0	0.0	3.7	27		13	15	NR	40	25	39	3.8	29
30	0.0	0.0	2.6	9.3		13	24	NR	24	22	39	7.4	30
31	0.0		10	20		12		NR		12	44		31
MEAN	2.2	0.0	0.6	NR	48.4	33.8	NR	NR	NR	19.4	23.6	15.0	MEAN
MAX.	10.0	0.0	10.0	NR	129	99.0	NR	NR	NR	45.0	44.0	48.0	MAX.
MIN.	0.0	0.0	0.0	NR	15.0	12.0	NR	NR	NR	2.4	1.0	1.6	MIN.
AC. FT.	135		39	NR	2690	2079	NR	NR	NR	1193	1453	895	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 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
1969	B02560	MORMON SLOUGH AT BELLOTA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	3.3	11	27	NR	3,590	18	NR	NR	NR	NR	NR	1
2	NR	3.9	12	20	NR	3,060	25	NR	NR	NR	NR	NR	2
3	NR	18	12	19	NR	3,000	30	NR	NR	NR	NR	NR	3
4	NR	23	12	15	NR	2,890	31	NR	NR	NR	NR	NR	4
5	NR	17	11 *	11	NR	2,840	157	NR	NR	NR	NR	NR	5
6	NR	12	11	8.5	NR	2,800	420	NR	NR	NR	NR	NR	6
7	NR	9.3	11	6.6*	NR	2,780	140	NR	NR	NR	NR	NR	7
8	NR	8.0	12	7.8	NR	2,750	75	NR	NR	NR	NR	NR	8
9	NR	8.0	12	8.7	NR	2,680	55	NR	NR	NR	NR	NR	9
10	NR	8.0	13	7.5	NR	2,680	49	NR	NR	NR	NR	NR	10
11	NR	8.0	19	8.9	NR	2,350	45	NR	NR	NR	NR	NR	11
12	66	8.0	20	39	NR	1,510	41	NR	NR	NR	NR	NR	12
13	25	7.5	19	1,120	NR	1,120	37	NR	NR	NR	NR	NR	13
14	22	7.7	85	1,040	NR	1,060	34	NR	NR	NR	NR	NR	14
15	7.1	16	175	256 *	NR	1,070	30	NR	NR	NR	NR	NR	15
16	6.6	17	250	114	NR	1,060	23	NR	NR	NR	NR	NR	16
17	4.5	13	65 *	69	NR	908	20	NR	NR	NR	NR	NR	17
18	5.0	11	40	168	NR	558	18	NR	NR	NR	NR	NR	18
19	3.4	10	31 *	1,400	NR	467	17	NR	NR	NR	NR	NR	19
20	4.2	9.2	26	2,150 *	NR	81	17	NR	NR	NR	NR	NR	20
21	3.9	9.2	33	6,140 *	NR	115	12	NR	NR	NR	NR	NR	21
22	3.5	9.2	22	7,690 *	NR	71	22	NR	NR	NR	NR	NR	22
23	1.9	9.2	15	7,560	NR	49	30	NR	NR	NR	NR	NR	23
24	4.9	9.2	21	7,710	NR	42	NR	NR	NR	NR	NR	NR	24
25	7.3*	10	170	8,340	NR	37	NR	NR	NR	NR	NR	NR	25
26	6.4	11	894 *	8,670	NR	34	NR	NR	NR	NR	NR	NR	26
27	7.1	11	184 *	8,020	NR	31	NR	NR	NR	NR	NR	NR	27
28	5.1	11	150	8,260	NR	27	NR	NR	NR	NR	NR	NR	28
29	6.9	11	112	7,990		24	NR	NR	NR	NR	NR	NR	29
30	5.6	11	57	5,930		24	NR	NR	NR	NR	NR	NR	30
31	5.4		35	3,670		23		NR		NR	NR		31
MEAN	NR	10.7	81.9	2,789	NR	1,281	NR	NR	NR	NR	NR	NR	MEAN
MAX.	NR	23.0	894	8,670	NR	3,590	NR	NR	NR	NR	NR	NR	MAX.
MIN.	NR	3.3	11.0	6.6	NR	23.0	NR	NR	NR	NR	NR	NR	MIN.
AC. FT.	NR	634	5036	171523	NR	78805	NR	NR	NR	NR	NR	NR	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 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
1969	802580	STOCKTON DIVERTING CANAL AT STOCKTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	2.5	3.0	37	1,530	2,750	10	0.4	6.1	0.2	16	8.6	1
2	0.2*	1.8	2.9	22	1,020	2,160	8.1	0.5*	4.5	0.1	3.6	3.4	2
3	0.1	5.5	2.4	12	948	2,060	7.5	1.6	0.7	0.2	0.9	1.7	3
4	0.5	45	2.3	9.9	408	1,980	12	11	0.7	0.1	11	1.1	4
5	3.5	66	2.4	6.1	152	1,920	18	12	0.5	0.1	4.5	12	5
6	9.1	35	2.6*	4.0	448	1,900	335	12	0.6	0.1	7.5	40	6
7	5.6	16	2.7	2.8*	340	1,880	167	6.6	0.4	0.2	1.5	42	7
8	4.5	8.5	3.0	1.9	421	1,860	81	14	0.5	0.1	0.4*	44	8
9	2.3	6.1	3.4	0.9	951	1,810	43	7.6	14	0.3	1.6	26	9
10	2.3	6.0	3.5	0.4	955	1,800	28	4.4	8.8	1.3	2.2	15	10
11	9.3	5.6	3.5	1.8	1,110	1,660	22	2.0	6.6	0.8	7.3	3.6	11
12	7.8	4.3	4.7	11	2,250	974	18	1.6	3.6	1.2	3.1	1.7	12
13	1.1	4.7*	6.1	1,010	1,180	719	16	1.5	1.6	0.2	0.8	1.2	13
14	0.2	5.1	53	1,770 *	1,030	650	14	1.4	3.6	0.1	0.4	0.9	14
15	0.0	7.1	272	437 *	2,130	661	12	1.4	1.1	0.4	0.3	0.7	15
16	0.1	26	590	176	2,080	653	7.2	1.3	4.6	5.9	0.4	0.9	16
17	0.0	34	208	107	1,190	618	2.8	2.3	1.5	7.7*	11	1.2	17
18	0.0	21	95	84	2,110	360	0.8	5.6	0.1	3.5	20	1.1	18
19	0.0	12	52	1,750	1,930	351	0.7	6.2	0.1	1.9	17	0.9	19
20	0.0	7.4	34	2,120 *	2,110	106	0.6	2.9	2.9	0.4	15	1.0	20
21	0.0	5.3	36	6,300	1,900	76	0.5	4.3	6.1	0.2	1.9	1.1	21
22	0.0	4.2	39	7,430 *	1,880	71	0.7	1.1	9.4	0.4	1.4	1.2	22
23	0.0	3.6	25	7,200 *	2,850	41	0.5	1.3	6.9	0.3	1.4	1.5	23
24	0.0	3.4	22	7,050	2,830	33	3.3	3.2	4.1	0.2	2.1	2.6	24
25	0.0	3.2	149	8,140 *	2,610	31	5.8	1.8	0.7	0.8	13	4.5	25
26	0.0	3.1	1,440	8,130	2,310	29	5.0	1.0	0.2	1.0	29	6.9	26
27	0.0	2.6	469	6,780	2,040	27	2.9	0.9	2.1	4.1	45	6.3	27
28	0.0	2.6	223	6,690	575	23	1.8	1.7	2.0	8.2	42	3.5	28
29	0.0	2.7	216	6,280		19	0.7	4.5	0.8	2.7	25	1.7	29
30	0.0	2.8	119	4,300		15	0.6	6.8	3.0	6.6	17	1.3	30
31	0.0		62	2,220		12		3.6		19	6.1		31
MEAN	1.5	11.8	133	2,518	1,474	879	27.5	4.1	3.3	2.2	9.9	7.9	MEAN
MAX.	9.3	66.0	1,440	8,140	2,850	2,750	335	14.0	14.0	19.0	45.0	44.0	MAX.
MIN.	0.0	1.8	2.3	0.4	152	12.0	0.5	0.4	0.1	0.1	0.3	0.7	MIN.
AC. FT.	92	700	8224	154877	81894	54048	1637	251	194	135	612	471	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
418.7	10600	15.12	01	25	1030	0.0	2.91	10	01	0330	303136

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. During high flow periods, overflow from Duck Creek may be included.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	B02010	BEAR CREEK NEAR LODI

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	18	0.6	0.2	16	80	392	1.2	1.5	1.3	1.1	1.2	5.3	1
2	43	0.6	0.2	11	67	163	0.9	2.2*	4.5	1.0	1.6	3.5	2
3	31	6.0	0.2	7.4	58	125	0.8	2.2	1.9	0.9	2.0	1.8	3
4	10	43	0.2	7.0	52	76	0.7	3.2	1.7	0.7	3.1*	1.1	4
5	9.6	21	0.2*	4.9	120	48	36	3.6	2.8	0.5	2.9	2.8*	5
6	5.9	9.8	0.1	3.3	549	35	244	3.4	3.0*	0.3	1.0	5.3	6
7	7.0	5.1	0.1	2.7*	276	29	70	4.1	3.5	0.4	0.9	5.6	7
8	5.7	2.0	0.1	2.8	119	24	30	3.3	4.9	0.6	0.9	5.6	8
9	4.7	1.2	0.1	2.9	77	20	19	2.8	6.7	1.0	0.7	4.3	9
10	5.8	0.9	0.4	3.7	61	50	13	0.9	3.6	1.6	0.5	6.9	10
11	9.9	0.8	0.9	6.9	340	34	7.8	0.5	1.7	1.6	0.9	8.0	11
12	14	0.9	1.6	68	999	23 *	0.4	3.8	1.2	1.4	3.0	6.9	12
13	17	0.8*	0.9	1.010	274	50	0.9	3.9	5.2	1.5	3.9	4.3	13
14	14	0.7	40	707	142	31	1.5	1.4	6.9	1.4	6.9	5.9	14
15	24	12	75	184	975	20	0.0	0.5	6.2	1.6	3.2	9.6	15
16	21	30	181	91	801	15	0.0	0.5	6.4	1.3	1.9	2.7	16
17	17	14	50	56	230	13	0.0	0.4	2.9	1.3*	8.4	0.0	17
18	3.3	7.2	22	115	609	11	0.0	0.6	1.9	1.5	6.4	4.4	18
19	1.1	5.4	14	1.430	547 *	9.1	0.0	3.3	2.2	1.0	4.1	1.7	19
20	0.9	3.3	10	889 *	250	6.4	0.2	4.2	2.6	0.3	5.1	2.6	20
21	0.8	2.7	6.2	860	145	25	3.7	5.5	1.2	0.3	3.3	5.9	21
22	0.5	2.0	3.6	409	94	26	0.5	5.0	2.0	0.7	2.2	6.6	22
23	0.3	1.1	2.0	196	483	15	0.4	5.6	4.8	1.0	2.2	5.3	23
24	0.2	0.7	3.5	204	589	10	0.3	5.4	5.2	1.2	5.1	0.5	24
25	0.3	0.4	107	1.270	517	6.1	1.9	4.7	5.1	1.8	9.9	3.1	25
26	0.2	0.4	362	1.160	414	5.3	7.0	5.4	6.4	1.9	7.7	4.7	26
27	1.2	0.3	129	399	187	4.1	7.2	4.0	6.4	0.9	5.0	4.0	27
28	1.9	0.3	77	305	155	3.7	5.7	2.0	6.9	0.5	8.4	9.6	28
29	1.3*	0.3	85	236		3.0	0.9	0.8	4.5	0.8	10	10	29
30	1.9	0.2	37	141		2.3	0.9	0.9	3.2	0.7	8.1	6.8	30
31	1.2		22	115		1.7		0.9		0.6	5.8		31
MEAN	8.8	5.8	39.7	319	328	41.2	15.2	2.8	3.9	1.0	4.1	4.8	MEAN
MAX.	43.0	43.0	362	1.430	999	392	244	5.6	6.9	1.9	10.0	10.0	MAX.
MIN.	0.2	0.2	0.1	2.7	52.0	1.7	0.0	0.4	1.2	0.3	0.5	0.0	MIN.
AC. FT.	541	345	2443	19663	18268	2532	902	172	232	62	251	287	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
63.1	1870	5.32	01	13	1845	0.0	0.35	04	15	1645	45697

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	1870	5.32	1-13-69	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. Maximum discharge of record listed is for period December 9, 1965, to date. 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
1969	B02105	MOKELUMNE RIVER AT WOODBRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	41	272	61	69	4360	2360	1840	2320 *	2090	282	548	570	1
2	41	136	60 *	68	3940	2360	1660	2300	2100	270 *	466	628 *	2
3	40	140	60	53	3840	2360	1790	2300	2090	321	477	554	3
4	40 *	108 *	60	64	3470	2350	1820	2290	2090	566	464 *	533	4
5	40	99	64	65	2970	2350	1870	2260	1930	622	449	536	5
6	40	95	118	72	2860	2350	1900	2050	1900 *	641	450	537	6
7	41	93	135	74 *	2840 *	2350	1900 *	1690	1900	668	460	572	7
8	41	92 *	80	71	2800	2350	2180	1620	1920	649	459	586	8
9	40	92	67	68	2780	2350	2280	1610	1910	644	459	567	9
10	38	91	73	56	2760	2360	2260	1900	1530	636	463	566	10
11	38	88	72	71	2250	2350	2270	1950	1180	612	456	574	11
12	39	91	64	74	1950	1980	2250	2090	805	601	456	572	12
13	57	84	63	101	1860	1880	2230	2320	471	610	488	562	13
14	107	68	83	154	1830	2230	2190	2400	417	607	509	572	14
15	101	107	86	108	1860	2330	2300	2420	414	586	463	604	15
16	95	79	76	82	2100	2360	2340	2410	414	585	464	590	16
17	89	68	67	54	2290	2360	2350	2440	407	580	481	585	17
18	83	70	59	137	2330	2360	2330	2450	401	585	478	593	18
19	77	68	105	232	2350	2000	2300	2460	387	580	481	638	19
20	72	68	120	263	2320	1840	2280	2450	377	590	488	625	20
21	67 *	67	69	806	2300	1890	2230	2440	379	570	495	630	21
22	52	67 *	66	2100	2290	1870	2300	2440	375	566	508	622	22
23	44	67	64	3110	2310	1860	2370	2430	365	570	516	604	23
24	44	69	69	3730	2350	1860	2390	2340	366	577	526	724	24
25	46	65	72	4160	2350	1860	2370	2310	354	588	532	765	25
26	48	60	83	4180	2350	1860	2370	2310	349	609	527	749	26
27	50	62	80	4160 *	2340	1860	2370	2310	340	609	505	744	27
28	50	63	69	4240	2350	1860	2350	2300	327	610	515	766	28
29	58	61	67	4560		1870	2330	2300	319	590	501	765	29
30	106	62	66	4620		1870	2350	2140	322	572	523	727	30
31	574		68	4640		1700		2090		561	551		31
MEAN	74.2	88.4	75.7	1363	2586	2117	2193	2230	941	570	489	622	MEAN
MAX.	574	272	135	4640	4360	2360	2390	2460	2100	668	551	766	MAX.
MIN.	38	60	59	53	1830	1700	1660	1610	319	270	449	533	MIN.
AC. FT.	4560	5260	4650	83790	143600	130200	130500	137100	55990	35020	30070	37010	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
1102											797800

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
1969	821160	SUTTER CREEK NEAR SUTTER CREEK

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	3.3	7.4	26	132	319	63	37	16	8.4	1.9	0.7	1
2	0.0	4.8	9.2	22	126	258	62	36	16	8.0	1.8	0.6	2
3	0.0	41	7.9	20	117	227	75	36	15	7.7	1.7	0.5	3
4	0.0	18	7.6	18	109	189	63	36	15	7.4	1.6	0.5	4
5	0.0	7.3	7.0	17	164	162	171	35	15	7.3	1.7	0.4	5
6	0.0	4.9	6.6	16	275	146	172	33	15	7.4	1.5	0.4	6
7	0.0	4.0*	6.2	15	213	133	138	32	14	7.3	1.4	0.7	7
8	0.0	3.5	6.3	14	160	120	113	31	15	6.8	1.3	1.3	8
9	0.0	3.3	6.1	13	134	115	98	30	16	6.7	1.2	1.6	9
10	0.0	3.1	7.5	13	119	117	89	29	17	5.8	1.2	1.3	10
11	0.0	3.1	28	14	131	105	82	28	17	5.5	1.5	1.1	11
12	0.0	11	17	21	251	102	77	27	18	5.3	1.2	0.9	12
13	0.0	8.8	12	187	171	97	74	26	16	5.0	1.1	0.8	13
14	0.0	6.7	29	245 *	157	90	70	26	15	5.0	1.0	0.7	14
15	0.0	12	49	98	412	86	67	25	14	4.8	1.0	0.8	15
16	0.0	11	70	64	337	82	62 *	25	14	4.6	1.0	1.0	16
17	0.0	7.6	30	46	225	80	58	25	14	4.4	1.0	1.1	17
18	0.3	6.5	20 *	61	223 *	79	56	24	13	4.2	0.7	1.3	18
19	1.2	6.3*	17	623	218	76 *	53	24	13	3.8	0.9*	1.4	19
20	1.5	5.9	16	754 *	213	82	50	23	13	3.2	0.9	1.4	20
21	1.5	5.2	13	1,630	187	119	48	22	12	3.0	1.0	1.6	21
22	1.6	4.9	11	624	160	91	47	22 *	12	3.0	0.8	1.5	22
23	1.6	4.5	11	260	182	83	68	21	12	3.0	0.7	1.4	23
24	1.3	5.7	34	212	362	79	67	20	11	2.9*	0.7	1.3	24
25	1.3	7.2	116	509	419	75	54	20	11 *	2.9	0.8	1.2*	25
26	1.3	6.5	83	518	318	72	49	19	11	2.9	0.8	1.0	26
27	1.4	5.9	52	300	245	70	45	20	11	2.7	0.7	0.9	27
28	1.5	5.6	52	241	264	69	41	19	10	2.6	0.8	0.7	28
29	2.2	5.4	53	182		66	40	18	10	2.4	0.9	0.7	29
30	3.7	5.3	36	156 *		66	39	18	9.2	2.3	0.9	0.8	30
31	3.9		29	132		64		17		2.2	0.8		31
MEAN	0.8	7.6	27.4	227	215	113	73.0	25.9	13.7	4.8	1.1	1.0	MEAN
MAX.	3.9	41.0	116	1,630	419	319	172	37.0	18.0	8.4	1.9	1.6	MAX.
MIN.	0.0	3.1	6.1	13.0	109	64.0	39.0	17.0	9.2	2.2	0.7	0.4	MIN.
AC. FT.	48	453	1686	13985	11948	6980	4346	1595	814	295	68	59	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
58.4	2140	4.91	01	21	0400	0.0	0.47	10	01	0000	42276

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
1969	821150	DRY CREEK NEAR IONE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	8.6	26	183	669	47	33	7.2	2.9	0.0	0.0	1
2	0.0	0.0	13	23	165	464	50	32	7.1	2.5	0.0	0.0	2
3	0.0	6.0	7.6	20	142	349	66	31	7.3	2.3	0.0	0.0	3
4	0.0	14	6.0	18	125	267	50	32	7.3	2.3	0.0	0.0	4
5	0.0	4.3	5.3	16	253 *	211	409	30	7.7	2.4	0.0	0.0	5
6	0.0	3.0	4.9	15	610 *	180	396	27	7.3	2.4	0.0	0.0	6
7	0.0	2.4*	4.7	13	419	153	235	26	7.0	2.5	0.0	0.0	7
8	0.0	2.2	5.3	13	264	133	168	25	8.1	2.5	0.0	0.0	8
9	0.0	2.1	4.9	12	201	130	133	24	9.7	2.4	0.0	0.0	9
10	0.0	2.2	7.9	11	161	127	112	23	10	2.2	0.0	0.0	10
11	0.0	2.3	34	16	241	104	97	22	11	2.0	0.0	0.0	11
12	0.0	10	22	25	580	112	87	21	11	1.7	0.0	0.0	12
13	0.0	8.9	14	633 *	334	105	79	21	9.7	1.4	0.0	0.0	13
14	0.0	5.7	57	723 *	284	89	73	21	8.3	1.3	0.0	0.0	14
15	0.0	8.9	82	220	675 *	81	67	20	7.5	1.1	0.0	0.0	15
16	0.0	8.0	111	123	556	75	61 *	19	6.9	1.0	0.0	0.0	16
17	0.0	6.1	44	87	347	73	57	17	6.6	0.7	0.0	0.0	17
18	0.0	5.9	28 *	115	379	68	54	16	6.2	0.4	0.0	0.0	18
19	0.0	6.0*	23	1,260	386	64 *	51	16	5.5	0.0	0.0	0.0	19
20	0.0	5.3	20	1,480 *	366	74	47	15	5.4	0.0	0.0	0.0	20
21	0.0	4.8	15	2,400	288	155	45	14	5.9	0.0	0.0	0.0	21
22	0.0	4.4	13	1,000	231	98	42	14 *	5.5	0.0	0.0	0.0	22
23	0.0	4.3	12	436	437	86	66	13	5.0	0.0	0.0	0.0	23
24	0.0	4.6	22	386	813	78	61	12	4.5	0.0	0.0	0.0	24
25	0.0	5.0	138	1,230 *	850	72	48	12	4.1*	0.0	0.0	0.2	25
26	0.0	4.5	156	1,130	780	66	43	12	3.9	0.0	0.0	0.3	26
27	0.0	4.2	79	587	481	61	40	11	3.9	0.0	0.0	0.2	27
28	0.0	4.1	60	504	501	58	37	9.5	3.7	0.0	0.0	0.1	28
29	0.0	3.9	49	362		54	35	9.1	3.5	0.0	0.0	0.2	29
30	0.0	4.2	38	280 *		52	33	8.3	3.3	0.0	0.0	0.3	30
31	0.0		31	212		49		7.8		0.0	0.0		31
MEAN	0.0	4.9	36.0	431	394	140	93.0	19.2	6.7	1.1	0.0	0.0	MEAN
MAX.	0.0	14.0	156	2,400	850	669	409	33.0	11.0	2.9	0.0	0.3	MAX.
MIN.	0.0	0.0	4.7	11.0	125	49.0	33.0	7.8	3.3	0.0	0.0	0.0	MIN.
AC. FT.		292	2214	26531	21921	8642	5532	1178	397	67		3	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
92.2	3610	9.24	01	21	0345	0.0	2.50	10	01	0000	66777

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
1969	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	71	677	2080	131 *	101 *	17	9.6	5.1	5.0	1
2	0.0	0.0	0.0 *	58	656	1550	127	91	12	8.4 *	4.5	3.7 *	2
3	0.0	0.0	0.0	48	603	1160	239	79	10	8.3	2.6	4.9	3
4	0.0	0.0 *	0.0	38	569	868	238	79	6.0	7.0	2.5 *	5.4	4
5	0.0	5.5	0.0	35	747	731	684	76	30	6.5	1.2	7.8	5
6	0.0	1.0	0.0	30	1540	671	1660	76	23 *	6.7	2.3	9.2	6
7	0.0	0.0	0.0	28 *	1410 *	626	822	73	21	6.1	1.0	6.6	7
8	0.0	0.0	0.0	26	864	587	604	69	16	7.0	1.7	3.3	8
9	0.0	0.0	0.0	23	699	559	515	64	9.9	8.1	1.9	4.4	9
10	0.0	0.0	0.0	21	627	645	468	61	6.6	7.3	0.4	4.0	10
11	0.0	0.0	0.0	25	729	559	432	58	12	7.0	1.4	4.4	11
12	0.0	0.0	26	99	2010	538	401	50	10	7.0	2.2	4.9	12
13	0.0	0.0	19	942 *	1190	572	300	49	9.5	6.7	2.0	3.3	13
14	0.0	0.0	73	2370 *	810	497	245	50	8.9	6.5 *	1.6	4.7	14
15	0.0	0.0	156	681 *	1740	406	202	51	8.9	5.8	0.8	3.5	15
16	0.0	0.0	400	457	2300	375	172	46	8.3	7.6	2.3	0.0	16
17	0.0	0.0	161	420	1250	351	156	42	7.7	7.5	3.6	2.8	17
18	0.0	0.0	77	422	1530	284	146	40	6.7	5.5	4.2	6.0	18
19	0.0	0.0	53	2350	1500	260	136	38	7.1	3.6	5.1	7.4	19
20	0.0	0.0	43	2210	1250	248	126	36	7.3	1.8	4.3	6.9	20
21	0.0	0.0	37	5610 *	958	456	117	31	4.7	3.4	3.9	6.4	21
22	0.0	0.0 *	28	4810 *	776	353	117	33	6.6	3.8	2.7	5.1	22
23	0.0	0.0	22	1770 *	1680	284	141	31	6.9	5.4	3.3	3.5	23
24	0.0	0.0	26	1290	2030	250	252	29	7.2	4.3	4.6	3.6	24
25	0.0	0.0	183	3910	2590	226	178	29	7.6	3.4	4.7	1.7	25
26	0.0	0.0	533	3900	2520	200	141	29	6.9	1.7	5.3	0.4	26
27	0.0	0.0	303	2330 *	1730 *	182	128	29	7.8	4.7	6.1	0.7	27
28	0.0	0.0	171	1610	1240	172	117	30	8.5	5.3	5.9	0.6	28
29	0.0	0.0	156	1330		156	113	30	9.1	4.8	5.4	0.0	29
30	0.0	0.0	115	954		144	110	29	9.2	4.2	6.6	0.0	30
31	0.0		88	776		138		27		5.2	6.3		31
MEAN	0.0	0.2	86	1247	1294	520	307	50	10	5.8	3.4	4.0	MEAN
MAX.	0.0	5.5	533	5610	2590	2080	1660	101	30	9.6	6.6	9.2	MAX.
MIN.	0.0	0.0	0.0	21	569	138	110	27	4.7	1.7	0.4	0.0	MIN.
AC. FT.	0	13	5300	76650	71850	31990	18280	3090	620	357	209	238	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
288	7670	14.27	1	22	0100	0.0		10	1		208000

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 48	121 13 03	NE 32 5N 7E	24,000	15.28	4-3-1958	OCT 26-SEPT 33	OCT 26-SEPT 33	1944	1945	55.83	USCGS
						OCT 44-DATE	OCT 44-DATE	1945		52.83	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
1969	801580	DEER CREEK NEAR SLOUGHHOUSE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	2.7	23	76	573	23	13	1.5	0.0	0.0	0.0	1
2	0.0*	0.0	3.2	22	68	190	23	13	1.2	0.0*	0.0	0.0	2
3	0.0	3.4	3.0	22	60	167	34	12	1.1	0.0	0.0	0.0	3
4	0.0	24	2.8	21	57	113	25	13	1.3	0.0	0.0	0.0	4
5	0.0	7.5	2.8	20	145	89	322	13	1.3	0.0	0.0*	0.0	5
6	0.0	3.5	2.8	19	737 *	77	176	11	1.2	0.0	0.0	0.0	6
7	0.0	2.2*	2.8	19	185	67	78	9.9	1.2	0.0	0.0	0.0	7
8	0.0	1.6	3.2	18	114	60	57	9.9	1.4	0.0	0.0	0.0	8
9	0.0	1.2	3.2	15	107	73	47	9.2	1.5	0.0	0.0	0.0	9
10	0.0	1.0	4.2	15	89	117	41	8.7	2.2	0.0	0.0	0.0	10
11	0.0	1.0	48	83	230	65	36	8.1	2.9	0.0	0.0	0.0	11
12	0.0	1.5	22	112	251	63	33	7.6	3.4	0.0	0.0	0.0	12
13	0.0	4.8	12	1,460 *	45	67	30	7.6	3.2	0.0	0.0	0.0	13
14	0.0	4.1	93	597 *	51	54	29	7.3	2.6	0.0	0.0	0.0	14
15	0.0	5.1	105	115 *	187	49	27	7.3	2.1	0.0	0.0	0.0	15
16	0.0	11	84 *	70	71	46	25 *	7.3	1.9	0.0	0.0	0.0	16
17	0.0*	5.1	31	51	31	47	23	6.7	1.6	0.0	0.0	0.0	17
18	0.0	4.2	21	204	149	44	22	6.2	1.2	0.0	0.0	0.0	18
19	0.0	5.1*	17	1,360	182	40 *	21	6.2	1.1	0.0	0.0*	0.0	19
20	0.0	6.1	18	2,160	144	39	20	5.7	1.1	0.0	0.0	0.0	20
21	0.0	3.9	15	875	113	69	19	5.2*	0.9	0.0	0.0	0.0	21
22	0.0	3.0	13	595	91	44	19	6.2	0.6	0.0	0.0	0.0	22
23	0.0	2.6	12	138	530	38	34	5.4	0.5	0.0	0.0	0.0*	23
24	0.0	2.6	37	240	501	34	33	5.5	0.4	0.0*	0.0	0.0	24
25	0.0	2.5	226	902 *	671	32	22	6.0	0.2*	0.0	0.0	0.0	25
26	0.0	3.0	107	793	469	31	20	5.3	0.0	0.0	0.0	0.0	26
27	0.0	2.6	46	174	167	29	18	4.9	0.0	0.0	0.0	0.0	27
28	0.0	2.2	44	199	357	29	16	4.7	0.0	0.0	0.0	0.0	28
29	0.0	2.2	40	123		27	15	4.3	0.0	0.0	0.0	0.0	29
30	0.0	2.6	29	106		25	14	3.1	0.0	0.0	0.0	0.0	30
31	0.0		25	88 *		24		2.1		0.0	0.0		31
MEAN	0.0	4.0	34.7	343	209	78.1	43.4	7.6	1.3	0.0	0.0	0.0	MEAN
MAX.	0.0	24.0	226	2,160	737	573	322	13.0	3.4	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	2.7	15.0	31.0	24.0	14.0	2.1	0.0	0.0	0.0	0.0	MIN.
AC. FT.		237	2134	21102	11659	4804	2582	467	75				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
59.5	3740	11.12	01	20	0315	0.00	5.70	10	01	0000	43060

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
1969	B01125	COSUMNES RIVER AT MCCONNELL

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	33	240	1800	6010	2170	1540	691	139	0.0	0.0	1
2	0.0	0.0	38	211	1710	4420	2170	1530	669	132	0.2	0.0	2
3	0.0	143	51	190	1370	3160	2240	1470	634	130	0.4	0.0	3
4	0.0	296	51	175	1200	2420	1900	1360	611	122	2.0	0.0	4
5	0.0	233	43	165	1570	1800	2550	1270	574	113	0.2	0.0	5
6	0.0	110	40	161	4080	1520	5340	1290	546	104	0.0	0.0	6
7	0.0	66	37	159	4940	1350	3420	1400	511	89	0.0	0.0	7
8	0.0	46	35	159	2220	1200	2480	1550	473	93	0.0	0.0	8
9	0.0	34	36	161	1540	1080	2120	1700	428	88	0.0	0.0	9
10	0.0	28	36	158	1380	1380	1890	1820	396	84	0.0	0.0	10
11	0.0	24	79	158	1300	1120	1760	1800	379	78	0.0	0.0	11
12	0.0	22	222	439	4790	955	1820	1750	358	68	0.0	0.0	12
13	0.0	33	168	1950	3390	1040	1950	1660	356	74	0.0	0.0	13
14	0.0	87	183	7140	1840	905	1970	1570	327	64	0.0	0.0	14
15	0.0	66	285	3370	3170	817	1860	1420	318	59	0.0	0.0	15
16	0.0	61	702	1410	4600	776	1680	1290	308	58	0.0	0.0	16
17	0.0	69	570	916	2780	780	1580	1230	362	51	0.0	0.0	17
18	0.0	58	305	702	2580	805	1610	1240	321	46	0.0	0.0	18
19	0.0	50	214	4010	2950	823	1690	1200	301	39	0.0	0.0	19
20	0.0	52	186	12600	2700	840	1680	1110	282	34	0.0	0.0	20
21	0.0	64	163	17900	2080	1310	1750	1010	267	31	0.0	0.0	21
22	0.0	52	122	18300	1620	1150	1950	959	253	28	0.0	0.0	22
23	0.0	45	106	7900	2330	995	2150	941	239	27	0.0	0.0	23
24	0.0	40	132	4670	4180	976	2450	934	226	25	0.0	0.0	24
25	0.0	38	300	6980	5450	995	1940	912	209	23	0.0	0.0	25
26	0.0	46	1370	12200	6410	1030	1630	865	193	20	0.0	0.0	26
27	0.0	52	796	10600	3860	1100	1450	821	179	13	0.0	0.0	27
28	0.0	43	441	5920	2560	1230	1380	782	173	8.0	0.0	0.0	28
29	0.0	38	405	4490		1410	1430	738	162	20	0.0	0.0	29
30	0.0	36	373	3010		1640	1510	714	146	1.0	0.0	0.0	30
31	0.0		290	2290		1970		701		13	0.0		31
MEAN	0.0	64.0	252	4153	2871	1516	2051	1244	363	60.5	0.1	0.0	MEAN
MAX.	0.0	296	1370	18300	6410	6010	5340	1820	691	139	2.0	0.0	MAX.
MIN.	0.0	0.0	33	158	1200	776	1380	701	146	1.0	0.0	0.0	MIN.
AC. FT.	0.0	3830	15490	255300	159500	93240	122000	76520	21600	3720	5.7	0.0	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
1038	20700	44.96	1	22	0600	0.0		10	1		751200

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
1969	A00020	MORRISON CREEK NEAR SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	8.5	3.5	5.8	6.2	29	436	9.1	5.9	3.7	7.5	9.2	4.5	1
2	9.4	15	5.9	7.9	24	150	9.4	7.1	5.6	7.9	6.3	6.2	2
3	7.8	151	5.5	7.8	21	97	9.6	6.6	6.4	8.0	5.3	6.5	3
4	9.8	40	5.7	7.4	20	54	7.2	6.0	7.1	5.5	6.9	6.1	4
5	6.8	12	5.6	7.0	127	37	60	7.8	6.9	5.3	7.5	5.7	5
6	5.0	8.6	5.6	6.7	383	27	39	7.6	7.1	5.6	7.5	4.7	6
7	8.7	7.5	3.9	6.7	175	22	16	6.8	4.5	8.8	8.7	4.5	7
8	7.2	6.9	4.7	6.9	65	17	12	6.2	2.7	8.7	8.5	5.9	8
9	7.8	4.9	6.2	8.3	95	14	11	5.6	5.2	8.2	5.7	8.7	9
10	7.2	4.3	25	11	66	16	9.5	4.8	5.1	8.6	4.6	8.3	10
11	5.3	5.6	11	40	370	16	9.3	4.4	5.7	8.5	6.3	7.3	11
12	16	7.6	8.3	56	618	31	7.8	5.3	7.0	5.4	7.3	8.4	12
13	5.1	6.6	22	513	154	28	6.9	5.7	7.0	4.5	8.4	5.8	13
14	7.5	18	102	293	100	18	7.9	6.4	5.0	6.9	8.6	5.2	14
15	5.3	18	72	74	212	12	8.2	6.8	4.5	8.7	9.2	5.7	15
16	4.9	8.7	35	40	160	10	7.9	7.4	8.3	8.0	6.0	6.5	16
17	4.1	4.9	15	29	78	14	8.2	5.1	17	9.0	3.9	7.5	17
18	4.0	16	9.7	85	203	14	8.6	4.3	11	9.5	6.9	8.1	18
19	2.9	13	7.9	625	130	13	7.0	5.5	9.4	6.4	8.3	8.8	19
20	2.5	9.5	7.6	1110	74	30	6.3	5.9	8.8	5.4	7.9	6.8	20
21	4.5	7.6	5.0	725	50	22	6.9	6.2	6.1	7.6	8.0	4.9	21
22	6.1	6.4	4.8	505	34	14	6.6	6.2	5.1	8.8	8.6	6.5	22
23	6.0	4.4	6.4	226	190	10	26	5.8	7.5	8.0	5.8	8.0	23
24	4.9	5.2	28	235	293	11	11	4.4	9.3	7.4	4.9	7.3	24
25	5.4	5.7	52	612	439	11	7.0	3.6	8.9	8.5	6.9	6.3	25
26	2.2	6.5	37	946	479	11	5.1	4.7	7.9	5.9	7.8	7.0	26
27	1.7	6.3	17	170	140	10	4.8	5.1	8.3	5.2	8.0	6.2	27
28	3.5	4.7	12	78	305	10	5.7	5.2	5.6	7.6	8.4	4.9	28
29	6.1	5.0	9.0	53		7.6	6.0	5.6	4.6	8.0	7.4	6.3	29
30	4.7	5.8	9.6	43		6.4	6.1	4.0	6.2	8.1	5.1	9.1	30
31	4.2		9.5	35		7.4		3.7		7.3	4.3		31
MEAN	6.0	14.0	17.9	212	180	37.9	11.5	5.7	6.9	7.4	7.0	6.6	MEAN
MAX.	16	151	102	1110	618	436	60	7.8	17	9.5	9.2	9.1	MAX.
MIN.	1.7	3.5	3.9	6.2	20	6.4	4.8	3.6	2.7	4.5	3.9	4.5	MIN.
AC. FT.	367	831	1100	13030	9980	2330	686	349	412	454	433	392	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
42.0	1610	8.53	1	26	0230	1.7		10	27		30370

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
1969	889200	KELLOGG CREEK NEAR BYRON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	0.1	0.0	0.2	10	86	NR	2.2	0.8	0.2	0.2	0.2	1
2	NR	0.2	0.0	0.2	8.3	42	NR	2.1	0.8	0.2	0.2	0.2	2
3	NR	0.2	0.0	0.2	6.8	37	NR	2.0	0.7	0.2	0.2	0.2	3
4	NR	0.1	0.0	0.2	6.2	31	NR	2.0	0.4	0.2	0.2	0.2	4
5	NR	0.1	0.0	0.2	19	27	6.1	1.9	0.6	0.2	0.2	0.2	5
6	NR	0.1	0.3	0.2	104 •	25	8.8	1.7	0.8	0.2	0.2	0.2	6
7	NR	0.1	1.2	0.2	26	23	5.7	1.6	0.8	0.2	0.2	0.2	7
8	NR	0.1	1.2	0.2	15	21	5.0	1.5	0.8	0.2	0.2	0.2	8
9	NR	0.1	1.2	0.2	12	19	4.7	1.5	0.9	0.2	0.2	0.2	9
10	0.2	0.1	1.5	0.2	10	17	4.7	1.4	0.9	0.2	0.2	0.2	10
11	0.2	0.1	1.6	0.2	22	15	4.2	1.4	0.9	0.2	0.2	0.2	11
12	0.2	0.1	1.6	0.2	24	19	4.0	1.3	0.8	0.1	0.2	0.2	12
13	0.2	0.1	1.7	2.7	10	19	3.9	1.3	0.7	0.1	0.2	0.2	13
14	0.2	0.1	1.4	0.6	19	13	3.8	1.3	0.7	0.1	0.2	0.2	14
15	0.2	0.2	1.3	0.1	97	12	3.8	1.3	0.7	0.1	0.2	0.2	15
16	0.2	0.6	1.0	0.1	46	11	3.5	1.3	0.6	0.1	0.2	0.2	16
17	0.2	0.6	0.5	0.1	36	11	3.4	1.2	0.6	0.1	0.2	0.2	17
18	0.2	0.2	0.5	3.6	65	10	3.4	1.1	0.5	0.2	0.2	0.2	18
19	0.2	0.0	0.6	28	30	9.2	3.3	1.1	0.5	0.2	0.2	0.2	19
20	0.2	0.0	0.6	31 •	23	9.9	3.2	1.1	0.5	0.2	0.2	0.2	20
21	0.2	0.0	0.7	39	19	14	3.1	1.1	0.5	0.2	0.2	0.2	21
22	0.2	0.0	0.7	12	25	NR	2.9	1.1	0.5	0.2	0.2	0.2	22
23	0.2	0.0	0.7	3.3	52	NR	3.0	1.0	0.4	0.2	0.2	0.2	23
24	0.2	0.0	0.8	17	43	NR	3.4	1.0	0.4	0.2	0.2	0.2	24
25	0.1	0.0	2.1	80	50	NR	3.2	1.0	0.4	0.2	0.2	0.2	25
26	0.1	0.0	1.3	92	49	NR	2.9	1.0	0.4	0.2	0.2	0.2	26
27	0.1	0.0	0.3	27	30	NR	2.7	1.0	0.4	0.2	0.2	0.2	27
28	0.2	0.0	0.7	48 •	115	NR	2.6	1.0	0.4	0.2	0.2	0.2	28
29	0.1	0.0	0.4	20		NR	2.5	0.9	0.3	0.2	0.2	0.2	29
30	0.1	0.0	0.2	35		NR	2.3	0.9	0.3	0.2	0.2	0.2	30
31	0.1		0.2	13 •		NR		0.9		0.2	0.2		31
MEAN	NR	0.1	0.8	14.7	34.7	NR	NR	1.3	0.6	0.2	0.2	0.2	MEAN
MAX.	NR	0.6	2.1	92.0	115	NR	NR	2.2	0.9	0.2	0.2	0.2	MAX.
MIN.	NR	0.0	0.0	0.1	6.2	NR	NR	0.9	0.3	0.1	0.2	0.2	MIN.
AC. FT.	NR	6	48	902	1929	NR	NR	82	36	11	12	12	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
37 52 18	121 41 52	SE 1 1S 2E				MAR 65-OCT 65 APR 66-DEC 66 JAN 67-DATE	MAR 65-DATE APR 66-DEC 66 JAN 67-DATE	1965 1967	1966 DATE	0.00 0.00	USCGS LOCAL

Station located at Vasco Road bridge, 4.0 miles west of Byron. Prior to January 1967, station was located below Bixler Road bridge. Tributary to Old River via Indian Slough.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	B95925	DELTA-MENDOTA CANAL NEAR TRACY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3945	3196	863	2566	3086	3120	1751	1411	1881	1933	4153	3235	1
2	3950	3186	861	2523	3388	3421	1818	2170	1881	1929	4141	3185	2
3	3952	3189	859	2544	2867	2908	1824	2180	1876	1961	4143	2733	3
4	3940	3226	677	2579	2865	2923	1750	2178	1942	1959	4218	2377	4
5	4419	3235	679	2578	2868	2895	1752	2177	1866	1954	4914	2404	5
6	4887	3128	213	2644	2872	2890	1738	2243	1941	1881	4924	2283	6
7	3908	2049	249	2866	2863	2882	1747	2916	1974	1044	4932	2076	7
8	4408	2054	250	2875	3046	3078	1724	2952	1967	1161	4932	1985	8
9	4406	3110	214	2869	3366	3377	1694	3009	1682	1333	4928	1734	9
10	4412	3110	180	2866	2866	2869	1693	3120	1539	2263	4927	1733	10
11	4421	3050	180	3067	2880	2865	1765	3122	1737	2726	4935	1733	11
12	4435	2717	179	3376	2891	2863	2348	3128	1796	2965	4931	1730	12
13	4906	2765	180	2859	2890	2868	2340	2827	1842	2900	4930	1737	13
14	4426	2955	216	2862	2894	2862	2452	2032	1845	2455	4927	1736	14
15	4413	2654	216	2858	3107	3053	2442	2070	1844	2453	4916	1736	15
16	4402	2909	215	2831	3417	3228	2438	1997	1844	2443	4915	1800	16
17	4409	2906	212	2841	2898	1307	2582	1890	1843	2354	4919	1951	17
18	4029	3022	212	3036	2903	1283	2611	1897	1843	2354	4908	2085	18
19	3152	3046	321	3364	2896	1285	2604	1897	1818	2350	4688	2092	19
20	4137	2776	390	2864	2888	1385	2601	1825	1997	2349	4732	2038	20
21	3144	935	888	2869	2888	1386	2354	1771	1995	2416	4481	2037	21
22	2886	936	2517	2873	3397	1313	1887	1822	1964	3189	3619	2035	22
23	1465	1077	1980	2876	3400	145	1888	1881	1934	3126	3922	1996	23
24	1611	1079	2039	2874	2892	510	1624	1954	1932	3457	3904	2285	24
25	2708	1077	2818	2090	2892	783	1192	1954	1979	3556	3908	2658	25
26	3397	1173	2819	3408	2893	1887	1191	1951	1968	4244	3836	2726	26
27	3792 A	1179	2810	2893	2898	1991	1170 B	1957	1997	4310	3669	2863	27
28	3246	1107	3014	2910	2907	1745	1181	1858	1994	4245	3565	2796	28
29	3443	1105	2883	2899		1748	1187	1861	1984	4173	3440	2756	29
30	3431	932	2543	2896		1749	1248	1867	1990	4174	3057	2730	30
31	3238		2584	2889		1750		1873		4126	2912		31
MEAN	3784	2296	1105	2882	2997	2205	1887	2187	1890	2703	4365	2242	MEAN
MAX.	4906	3235	3014	3408	3417	3421	2611	3128	1997	4310	4935	3235	MAX.
MIN.	1465	932	179	2523	2863	145	1170	1411	1539	1044	2912	1730	MIN.
AC. FT.	233010	136630	67960	177210	166450	135610	112160	134460	112450	166180	268420	133420	AC. FT.

A - 25 Hour Day
B - 23 Hour Day
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
2547	4935		8	11		145		3	23		1843960

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
1969	B95910	CONTRA COSTA CANAL NEAR OAKLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	167	137	116	63	62	55	70	92	121	117	171	152	1
2	155	132	114	59	65	60	75	95	118	119	168	162	2
3	166	126	109	63	62	54	72	95	121	131	171	157	3
4	161	124	108	59	59	71	75	91	119	133	174	157	4
5	156	128	101	59	56	59	58	106	125	135	179	153	5
6	154	129	94	58	52	60	67	104	118	134	182	158	6
7	158	125	86	58	72	51	68	106	111	141	162	96	7
8	157	114	79	58	66	52	75	106	111	151	170	155	8
9	159	112	98	56	64	54	87	97	98	155	172	156	9
10	164	113	102	62	61	60	82	108	98	154	161	157	10
11	155	111	114	62	54	54	93	109	110	154	169	158	11
12	147	116	114	64	51	54	57	87	114	153	170	159	12
13	147	116	129	59	64	53	64	91	107	155	177	154	13
14	141	122	95	60	70	52	84	84	110	163	182	155	14
15	138	119	89	59	58	51	88	113	109	168	191	150	15
16	139	110	87	60	61	47	97	131	109	168	189	153	16
17	139	110	86	60	60	56	59	129	108	170	185	143	17
18	141	108	86	57	55	51	62	130	125	172	204	128	18
19	146	107	86	52	64	49	59	118	114	170	209	126	19
20	146	109	69	53	65	51	70	108	110	167	209	129	20
21	152	111	66*	56	60	47	53	112	111	169	206	124	21
22	147	103	56	57	62	48	66	123	103	168	193	123	22
23	146	99	55	58	60	45	68	119	110	169	190	125	22
24	150	105	66	67	57	50	63	121	112	158	189	130	24
25	153	105	61	48	54	51	69	108	115	159	152	129	25
26	149	106	76	71	56	49	80	103	118	152	171	124	26
27	151 A	106	81	76	52	48	74 B	109	120	150	158	122	27
28	146	104	84	69	56	55	92	114	112	150	153	119	28
29	131	106	79	60		55	93	113	114	159	158	121	29
30	136	115	74	61		51	90	118	116	159	153	118	30
31	137		65	68		62		120		161	153		31
MEAN	149	114	88	60	60	53	74	108	113	154	176	140	MEAN
MAX.	167	137	129	76	72	71	97	131	125	172	209	162	MAX.
MIN.	131	99	55	52	51	45	53	84	98	117	152	96	MIN.
AC. FT.	9204	6799	5405	3713	3328	3283	4377	6664	6718	9449	10852	8317	AC. FT.

A - 25 Hour Day
B - 23 Hour Day
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											78109

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
1969	B89100	MARSH CREEK NEAR BYRON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.8	50	221	13	5.8	0.7	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.7	46	132	13	5.3	0.6	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.5	43	105	16	5.1	0.8	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.3	38	85	13	5.3	0.8	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.1	108	72	19	4.8	0.8	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	346	63	27	4.2	0.9	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	112	57	17	4.1	1.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	75	51	15	4.0	0.8	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	57	46	14	3.9	1.3	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	46	42	14	3.6	1.3	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	132	37	12	3.2	1.1	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	108	39	12	2.5	1.3	0.0	0.0	0.0	12
13	0.0	0.0	0.0	6.8	67	37	10	2.6	0.8	0.0	0.0	0.0	13
14	0.0	0.0	0.0	9.8	63	31	11	2.7	0.8	0.0	0.0	0.0	14
15	0.0	0.0	0.0	5.4	187	29	10	2.7	0.7	0.0	0.0	0.0	15
16	0.0	0.0	0.0	4.1	95	27	9.7	2.4	0.6	0.0	0.0	0.0	16
17	0.0	0.0	0.0	3.4	78	26	9.5	2.3	0.5	0.0	0.0	0.0	17
18	0.0	0.0	0.0	13	119	24	9.3	1.8	0.3	0.0	0.0	0.0	18
19	0.0	0.0	0.0	236	78	22	8.4	2.0	0.3	0.0	0.0	0.0	19
20	0.0	0.0	0.0	330	64	26	7.8	2.2	0.3	0.0		0.0	20
21	0.0	0.0	0.0	234	56	29	7.5	2.0	0.4	0.0	0.0	0.0	21
22	0.0	0.0	0.0	101	58	21	7.1	2.1	0.3	0.0	0.0	0.0	22
23	0.0	0.0	0.0	50	127	18	9.1	1.6	0.1	0.0	0.0	0.0	23
24	0.0	0.0	0.0	69	138	17	8.4	1.9	0.1	0.0	0.0	0.0	24
25	0.0	0.0	0.0	303	132	16	7.2	1.9	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	534	115	15	6.5	1.8	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	144	90	15	6.3	1.6	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	176	260	14	6.0	1.2	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	89		14	5.6	1.4	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	100		14	5.6	1.2	0.0	0.0	0.0	0.0	30
31	0.0		0.6	59		13		0.9		0.0	0.0		31
MEAN	0.0	0.0	0.0	79.7	103	43.8	11.0	2.8	0.6	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.6	534	346	221	27	5.8	1.3	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	38	13	5.6	0.9	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	0.0	1.2	4900	5730	2690	655	175	33	0.0	0.0	0.0	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
19.6	1660	8.01	1	26	0445	0		10	1		14180

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
1969	G12200	BIDWELL CREEK NEAR FORT BIDWELL

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3.0 *	4.3	9.4	6.0	7.5	5.7	77	80	69	21	7.9	3.9	1
2	2.9	7.5	9.0 *	6.3	7.1	5.4	66	80	66	21	7.9	3.8	2
3	2.9	6.3	9.0	6.5	6.8	5.4	51	74	63	19	7.1	3.8	3
4	3.0	5.7	9.0	7.5	6.8	5.4	47	71	63	18	7.1	3.8	4
5	3.2	5.1	9.0	8.3	6.8	5.7	51	74	66	18	7.1	3.8	5
6	3.0	4.3	7.9	10	6.5 *	5.7	51	88 *	63	18	7.1	3.8	6
7	3.2	4.6 *	7.1	12	6.3	5.7	38	102	60	18	6.8	3.8	7
8	3.4	8.3	7.1	10 *	6.3	5.7	37 *	116	74	17	6.8	3.8	8
9	3.0	16	7.1	9.8	6.8	5.7	39	135	66	16	6.5	3.8	9
10	3.0	10	8.3	9.8	6.5	5.7	44	163	60	15	6.5	3.6	10
11	3.2	8.7	8.7	9.4	6.8	6.0	52	188	54 *	14	6.0	3.6	11
12	6.0	14	8.3	9.0	6.8	6.0	58	247	47	14	5.7	3.6	12
13	5.4	11	7.5	11	6.3	6.0	56	208	44	14	5.7	3.6	13
14	4.6	9.4	6.8	10	6.5	6.3	51	175	42	14	5.7	3.6	14
15	4.1	9.8	6.5	9.0	6.8	6.5	49	135 *	39	13	5.7	3.6	15
16	4.1	8.7	6.5	8.3	6.5	7.9	49	126	36	13	5.7	3.6	16
17	3.8 *	9.0	6.5 *	7.9	6.3	8.3 *	63	130	34	12	5.4	3.6 *	17
18	3.8	18	6.5	9.0	6.3	8.3	80	151	32	12	5.4	3.8	18
19	3.8	19	6.5	12	6.3	7.9	77	141	31	11	4.9	3.9	19
20	5.1	16	6.5	19	6.3	7.5	85	116	30	11	4.9	3.9	20
21	3.9	14	6.5	24 *	6.3	7.5	71	110	29	11	4.6	4.1	21
22	3.6	19	6.5	16	6.0	8.7	120	106	28	10	4.6	3.9	22
23	3.4	16	6.5	13	6.0	13	113 *	110	31	10	4.6	3.8	23
24	3.2	14	6.5	12	5.7	14	99	116	29	10 *	4.6	3.9	24
25	3.4	13	6.3	10	5.7	16	82	113	28	9.8	4.6	3.9	25
26	3.4	11	5.7	9.4	5.7	21	69	110	26	9.4	4.3	3.9	26
27	3.2	10	5.4	9.0	5.7 *	30	63	92	26	9.0	4.1	3.8	27
28	3.2	10	5.7	9.0	5.7	38	74	80	24	8.7	4.1	3.8	28
29	4.3	9.8	5.4	8.3		47	88	71	23	8.7	4.1	3.9	29
30	5.4	9.4	5.7	7.9		58	88	71	22	8.3	4.1	3.9 *	30
31	4.3		5.7	7.5		77		74		8.3	3.9		31
MEAN	3.7	10.7	7.1	10.2	6.4	14.7	66.3	118	43.5	13.3	5.6	3.8	MEAN
MAX.	6.0	19	9.4	24	7.5	77	120	247	69	21	7.9	4.1	MAX.
MIN.	2.9	4.3	5.4	6.0	5.7	5.4	37	71	22	8.3	3.9	3.6	MIN.
AC. FT.	230	638	435	629	355	906	3943	7246	2588	818	344	225	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
25.4	256	4.07	5	11	2045	2.9	2.80	10	2		18360

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 25	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 26 sq. mi.

8 - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	G15150	CEDAR CREEK AT CEDARVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.2 #	0.4	2.7	4.0	8.4	4.6	41	30	11	4.0	1.0	0.4 E	1
2	0.2	0.6	2.4 *	4.4	8.1	4.6	35	28	10	3.8	1.0	0.4 E	2
3	0.2	0.6	2.4	4.8	7.6	4.4	30	26	9.9	3.3	0.9	0.4 E	3
4	0.3	0.6	2.3	5.6	7.0	4.6	30	25	9.6	3.1	0.8	0.4 E	4
5	0.3	0.6	2.4	7.3	6.7	4.8	31	24	9.0	2.8	0.8	0.3 E	5
6	0.3	0.6	2.3	7.8	6.5 *	4.6	28	24 *	9.0	2.8	0.8	0.3 E	6
7	0.3	0.6 *	2.4	7.8	5.9	4.8	26	24	8.4	2.8	0.8	0.3 E	7
8	0.3	0.9	2.7	6.7 #	5.9	4.2	25 *	25	8.4	2.6	0.8	0.3 E	8
9	0.3	1.9	3.0	5.9 E	6.7	4.2	25	26	8.7	2.4	0.8	0.3 E	9
10	0.3	0.8	4.4	5.2 E	7.6	4.4	25	26	8.7	2.3	0.8	0.3 E	10
11	0.3	1.4	4.2	5.9	7.6	4.6	28	26	7.8 *	2.0	0.7	0.3 E	11
12	0.8	3.1	4.0	5.9	7.8	4.0	30	27	6.7	2.0	0.6	0.3 E	12
13	0.9	1.3	4.0	10	7.3	4.2	31	27	5.9	1.9	0.6	0.3 E	13
14	0.7	0.9	4.2	9.3	7.3	4.4	30	27	5.9	1.8	0.6	0.3 E	14
15	0.6	1.1	4.0	7.0	7.0	4.8	28	25 *	6.2	1.7	0.5	0.3 E	15
16	0.4	1.1	3.8	6.5	6.7	5.2	27	24	6.2	1.6	0.5	0.3 E	16
17	0.4	1.6	3.6	5.9	6.7	5.9 *	29	24	6.2	1.6	0.5	0.3 E	17
18	0.4	11	3.6 *	5.6	6.5	6.2	36	23	5.6	1.4	0.4	0.3 E	18
19	0.4	6.2	3.4	13	6.2	5.9	35	23	5.6	1.5	0.4	0.3 E	19
20	0.4	4.2	3.8	37	5.6	5.9	38	23	5.6	1.4	0.4	0.3 E	20
21	0.4	3.6	3.6	41 *	5.4	6.5	40	22	5.4	1.3	0.4	0.2 E	21
22	0.3	8.1	3.8	24	5.4	7.8	42	22	5.2	1.3	0.3	0.2 E	22
23	0.3	5.9	4.0	19	5.2	9.6	42	21	5.2	1.3	0.3	0.2 E	23
24	0.3	4.8	3.8	15	5.0	11	38 *	20	5.4	1.4 *	0.3	0.2 E	24
25	0.2	4.4	4.0	14	5.0	12	34	20	5.2	1.4	0.4 E	0.2 E	25
26	0.3	3.8	3.6	13	4.8	15	32	18	5.2	1.3	0.4 E	0.2 E	26
27	0.4	3.6	4.0	12	4.6 *	22	30	16	5.2	1.2	0.4 E	0.2 E	27
28	0.4	3.1	4.0	11	4.6	27	29	14	5.0	1.2	0.4 E	0.2 E	28
29	0.4	3.1	3.8	9.6		32	30	13	4.8	1.1	0.4 E	0.2 E	29
30	0.6	3.0	4.0	9.0		43	30	13	4.4	1.1	0.4 E	0.2 #	30
31	0.4		4.0	8.4		44		12		1.1	0.4 E		31
MEAN	0.4	2.8	3.5	11.0	6.4	10.5	31.8	22.5	6.8	2.0	0.6	0.3	MEAN
MAX.	0.9	11.0	4.4	41.0	8.4	44	42	30	11.0	4.0	1.0	0.4 E	MAX.
MIN.	0.2	0.4	2.3	4.0	4.6	4.0	25	12	4.4	1.1	0.3	0.2 E	MIN.
AC. FT.	24	164	215	678	355	647	1894	1384	407	120	35	17 E	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
8.2	67.0	4.66	1	20	2300	0.2	2.52	9	30		5,941

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	4.93	2/23/68	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
1969	G17150	EAGLE CREEK AT EAGLEVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.8 *	2.6	2.8	3.2 E	4.6 E	3.3 E	15	19	39	26	10	2.8	1
2	1.7	2.8	5.2 *	3.1 E	4.3 E	3.3 E	13	17	40	27	11	2.8	2
3	1.6	4.5	5.1 E	3.1 E	3.9 E	3.2 E	11	17	42	27	11	2.6	3
4	1.6	3.2	5.0 E	3.0 E	3.6 E	3.2 E	10	16	43	27	10	2.6	4
5	1.8	2.8	4.9 E	3.0 E	3.2 E	3.2 E	11	17	45	27	9.0	2.6	5
6	1.8	2.5	4.8 E	3.0 E	3.2 *	3.1 E	9.0	18 *	48	25	9.0	2.6	6
7	1.8	2.6 *	4.7 E	2.9 E	3.2 E	3.1 E	8.2	14	45	23	9.0	2.6	7
8	2.0	3.6	4.6 E	2.9 *	3.2 E	3.1 E	8.2 *	26	44	22	8.2	2.5	8
9	2.0	3.6	4.5 E	3.4 E	3.2 E	3.0 E	8.2	32	43	21 E	8.2	2.5	9
10	1.9	4.2	4.4 E	3.8 E	3.2 E	3.0 E	8.2	33	42	20 E	8.2	2.5	10
11	2.3	3.8	4.4 E	4.3 E	3.2 E	3.0 E	9.7	34	41 *	19 E	6.0	2.5	11
12	3.2	3.6	4.3 E	4.8 E	3.2 E	3.0 E	12	36	40	18 E	5.5	2.5	12
13	3.0	3.0	4.2 E	5.2 E	3.2 E	2.9 E	11	39	42	17 E	5.2	2.4	13
14	2.6	3.2	4.1 E	5.7 E	3.2 E	2.9 E	9.7	38	38	16 E	5.2	2.3	14
15	2.8	2.8	4.0 E	6.2 E	3.2 E	2.9 E	9.7	35 *	37	16 E	5.5	2.3	15
16	3.0	2.3	3.9 E	6.6 E	3.2 E	2.9 E	9.7	35	36	15 E	5.2	2.3	16
17	2.6 *	2.3	3.9 *	7.1 E	3.3 E	2.8 *	11	36	35	14 E	4.5	2.4	17
18	2.5	7.2	3.8 E	7.6 E	3.3 E	2.8	14	42	35	14 E	4.5	2.3	18
19	2.4	5.2	3.8 E	8.0 E	3.3 E	2.8 E	15	40	36	13 E	4.5	2.1	19
20	2.8	4.2	3.7 E	8.5 E	3.3 E	2.8	17	40	37	13 E	4.5	2.1	20
21	2.6	3.6	3.7 E	8.5 *	3.3 E	2.8	19	39	35	12 E	4.2	2.1	21
22	2.5	4.2	3.6 E	8.1 E	3.3 E	3.2	20	40	34	11 E	4.2	2.1	22
23	2.5	3.4	3.6 E	7.8 E	3.3 E	3.4	20 *	41	33	10 E	3.6	2.1	23
24	2.5	3.0	3.5 E	7.4 E	3.3 E	3.6 E	19	36	32	9.7 *	3.6	2.1	24
25	2.4	3.6	3.5 E	7.1 E	3.3 E	4.2 E	16	39	31	10 E	3.6	1.9	25
26	2.5	3.6	3.5 E	6.7 E	3.3 E	5.5	14	41	29	11 E	3.4	2.0	26
27	2.4	3.2	3.4 E	6.4 E	3.3 *	7.7	15	39	29	12 E	3.2	2.0	27
28	2.4	3.0	3.4 E	6.0 E	3.3 E	9.0	14	38	28	12	3.0	1.9	28
29	2.6	2.8	3.3 E	5.7 E		11	17	39	27	12	3.0	1.9	29
30	2.6	2.6	3.3 E	5.3 E		16	19	43	26	12	3.0	1.9 *	30
31	2.6		3.2 E	5.0 E		18		42		12	3.0		31
MEAN	2.3	3.4	4.0	5.5	3.4	4.7	13.1	32.9	37.1	16.9	5.9	2.3	MEAN
MAX.	3.2	7.2 E	5.2	8.5 E	4.6 E	18	20	43	48	27	11	2.8	MAX.
MIN.	1.6	2.3 E	2.8 E	2.9 E	3.2 E	2.8	8.2	14	26	9.7	3.0	1.9	MIN.
AC. FT.	144	204 E	246 E	336 E	187 E	287 E	781	2025	2206	1039 E	361	137	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
11.1	55.0	2.57	5	13	0320	1.6	1.89	10	3		8071 E

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 40	120 07 27	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
1969	G31150	PINE CREEK 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	NR	NR	464	454	53	5.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	NR	NR	500	433	48	3.4	0.0	0.0	2
3	0.0	0.0	0.0	0.0	NR	NR	460 *	399	41	2.3	0.0	0.0	3
4	0.0	0.0	0.0	0.0	NR	NR	460	356	37	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	NR	NR	471	305 *	35	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	NR	NR	413	274	29	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	NR	NR	328 *	261	26	0.0 *	0.0	0.0	7
8	0.0	0.0	0.0	0.0	NR	NR	312	251	25	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	NR	NR	349 *	237	28	0.0	0.0	0.0 *	9
10	0.0	0.0	0.0	0.0	NR	NR	370	231	30 *	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	NR	NR	468	234	31	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	NR	NR	620	240	31	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	NR	NR	664	251	30	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	NR	NR	700	247	30	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	NR	NR	528	231	31	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	NR	NR	510 *	181	30	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	NR	NR	580	190	28	0.0	0.0	0.0	17
18	0.0	0.0	0.0 *	0.0	NR	NR	751	178	26	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	NR	NR	763	169	26	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	NR	NR	748	166	23	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	NR	NR	720	160	22	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	NR	NR	726	145	19	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	NR	NR	763	132	17	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	NR	NR	730	119	16	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	NR	NR	542 *	107	14	0.0	0.0	0.0	25
26	0.0	0.0	0.0	NR	NR	NR	392	105	13	0.0	0.0	0.0	26
27	0.0	0.0	0.0	NR	NR	NR	342	102	11	0.0	0.0	0.0	27
28	0.0	0.0	0.0	NR	NR	NR	345	88	9.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	NR		NR	381	81	7.4	0.0	0.0	0.0	29
30	0.0	0.0	0.0	NR		NR	443	72	6.1	0.0	0.0	0.0	30
31	0.0		0.0	NR				61		0.0	0.0		31
MEAN	0.0	0.0	0.0	NR	NR	NR	528	208	25.7	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	NR	NR	NR	763	454	53	5	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	NR	NR	NR	312	61	6.1	0.0	0.0	0.0	MIN.
AC. FT.	0.0	0.0	0.0	NR	NR	NR	31420	12810	1531	21.2	0.0	0.0	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				0.0					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
40 39 49	120 48 33	SE2 32N 10E				JUL 56-DATE	JUL 56-DATE	1956		0.00	LOCAL

Station located 1.8 mi. above mouth, 18 mi. NW of Susanville. Tributary to Eagle Lake. Stage-discharge relationship affect by ice at times. Drainage area is approximately 225 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	G61200	LONG VALLEY CREEK NEAR DOYLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	9.4	6.6	11	8.8	21	48	107	24 E	12 E	3.4	2.8	2.1 E	1
3	8.2	7.0	12	8.8	21	48	56	24 E	12 E	3.4	2.8	2.1 E	2
3	10	13	13	8.8	26	34	36	24 E	12 E	3.4	2.6	2.1 E	3
4	6.6	8.2 *	12	8.8	36	28	36	23 E	11 E	3.9	2.6	2.2 E	4
5	6.2	7.0	10	8.2	42	30	54	23 E	11 E	3.7	2.6	2.2 E	5
6	5.8	7.0	14	7.7	46	33	40	23 E	11 E	3.7	2.8	2.3 E	6
7	5.0	7.0	11	8.2	50	28	23	22 E	9.4	3.7	2.8	2.3 E	7
8	6.2	7.0	10	7.7	50	23	23	22 E	12	3.7	2.8	2.4 E	8
9	6.6 *	6.6	10	7.7 *	63	24	23	21 E	44	3.9	2.8	2.4 E	9
10	6.2	6.6	11	7.7	102	21	24	22 E	37 *	3.9	2.8	2.5 E	10
11	5.8	6.6	17	8.2	147	20	30	20 E	31	3.7	2.7 E	2.5 E	11
12	7.7	6.6	10	9.4	380	24	34	20 E	34	3.2	2.7 E	2.5 E	12
13	6.2	6.6	11	10	116 *	23	39	19 E	24	3.2	2.6 E	2.6 E	13
14	6.2	6.6	12	16	60	21	37	19 E	20	3.2	2.6 E	2.6 E	14
15	6.2	6.6	13	10	147	24	26	19 E	13	3.2	2.5 E	2.7 E	15
16	5.8	6.2	12	8.2	76	39	21	18 E	11	3.2	2.5 E	2.7 E	16
17	5.8	6.6	12	7.7	54	72	21	18 E	31	3.2	2.4 E	2.8 E	17
18	5.8	6.6	12	8.2	63	102	33 *	17 E	102	3.4	2.4 E	2.8 E	18
19	5.8	6.6	14	136	63	48	33 E	17 E	60	3.0	2.3 E	2.9 E	19
20	5.8	6.2	11	1300	56	34	31 E	16 E	34	3.0	2.3 E	2.9 E	20
21	5.8	6.2	10	1120	52	27	31 E	16 E	7.3	2.8	2.2 E	2.9 E	21
22	5.0	5.8	13	72	50	27	30 E	15 E	5.8	2.8	2.2 E	3.0 E	22
23	6.2	5.8	13	5.0	52	39	30 E	15 E	4.7	2.8	2.1 E	3.0 E	23
24	5.8	6.2	12	7.0	39	30	28 E	14 E	3.7	2.8	2.0 E	3.1 E	24
25	6.2	5.8	12	147	40	28	28 E	14 E	3.7	2.8	2.0 E	3.1 E	25
26	5.8	7.7	10	1500	40	40	28 E	13 E	3.7	2.8	1.9 E	3.2 E	26
27	5.8	7.3	9.4	36	37	54	27 E	13 E	3.7	2.8	1.9 #	3.2 E	27
28	5.4	10	9.4	17	42 *	72	27 E	13 E	3.7	2.8	1.9 E	3.3 E	28
29	5.4	10	10	8.2		102	26 E	13 E	3.7	2.8	1.9 E	3.3 E	29
30	5.8	11	9.4	13		155	26 E	12 E	3.7	2.8	2.0 E	3.4 E	30
31	5.8		8.8	11		236		12 E		2.8	2.0 E		31
MEAN	6.3	7.2	11.5	146	70.4	49.5	33.6 E	18.1 E	19.2	3.2	2.4 E	2.7 E	MEAN
MAX.	10	13	17	1500	380	236	107 E	24 E	102	3.9	2.8 E	3.4 E	MAX.
MIN.	5.0	5.8	8.8	5.0	21	20	21 E	12 E	3.7	2.8	1.9 E	2.1 E	MIN.
AC. FT.	385	430	704	8990	3909	3043	1999 E	1113 E	1141	198	148 E	161 E	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
30.7 E	NR										22220 E

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 55 44	120 01 06	SE13 24N 17E				DEC 57-DATE	DEC 57-DATE	1957		0.00	LOCAL

Station located at U. S. Highway 395 Bridge, 8.1 mi. SE of Doyle. Tributary to Honey Lake. Stage-discharge relationship affected by ice at times. Drainage area is approximately 150 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.

Included as miscellaneous measurements are tidal cycle measurements made in channels having flows affected by tidal action. These measurements are the mean cyclic flow for a tidal phase, which approximates 24 hours and 50 minutes. The mean cyclic flow is defined as the average algebraic summation of flows for a tidal phase.

TABLE B-6

STREAMFLOW MEASUREMENTS AT MISCELLANEOUS SITES

Stream	Location		Measurements		
	Latitude	Longitude	Date	Gage Height (ft)	Discharge (cfs)
Italian Slough near Mouth	37°51'33"	121°34'57"	10-29-68 to 10-30-68		2772 (a, c) 2800 (a, c)
Little Chico Diversion near Chico	39°44'02"	121°46'23"	1-13-69 1-21-69 2-15-69		1400 186 83
Little Squaw Creek at Shasta Lake	40°44'25"	122°28'00"	3-19-69 3-21-69 4-21-69 5- 1-69 5- 9-69 5-23-69 6- 9-69 6-27-69 9- 5-69	76.64 76.55 76.07 75.83 75.68 75.40 75.30 75.10 74.72	115 103 72.5 40.2 31.8 18.7 14.0 9.2 3.0
Middle River at Howard Road Bridge	37°52'33"	121°22'48"	5-26-69 6-25-69		1389 758 (d)
Mosher Slough near Stockton	38°01'42"	121°19'20"	12-17-68 12-27-68 1-20-69 4- 3-69 5-20-69 6- 5-69 7-31-69	2.77 2.84 3.76 3.61 3.65 3.39 3.62	1.1 3.0 24.3 20.1 20.6 13.1 9.3
Mud Creek Diversion near Chico	39°45'07"	121°48'01"	1-13-69 1-21-69	11.84 11.60	4660 4490
Old River near Clifton Court	37°50'01"	121°31'59"	6-24-69		2171 (d)
Old River at Head	37°48'29"	121°19'46"	5-14-69		10550
Old River at Italian Slough	37°51'32"	121°34'41"	10-29-68 to 10-30-68		321 (a, b) 329 (a, b)
Paradise Cut at Highway 50	37°46'15"	121°19'26"	5-26-69 6-24-69 6-25-69		7285 2754 2493
Sacramento River at Anderson	40°28'18"	122°17'30"	12-17-68 1- 3-69 3-10-69 5- 8-69 6-16-69		5840 4020 8810 11200 14100
Sacramento River at Bend Bridge	40°15'53"	122°13'21"	11- 4-68	19.44	8420

a The flows shown are mean cyclic flow for a tidal phase which approximates 24 hours and 50 minutes in time.

b The mean cyclic flow is toward the downstream direction of the channel.

c The mean cyclic flow is toward the upstream direction of the channel.

d The flow shown is the average for a 10-hour period for this day.

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 1968 through September 1969

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	3050	1880	1740	1500	1280	1650	2150	3760	3880	4780	5020	3900	34590
--AMERICAN RIVER--	1.1L														
--BACK BORROW PIT RECLAMATION DISTRICT 1000--	1.3L														
G. W. Williams	1.45R	1-8						NO DIVERSION							
--RECLAMATION DISTRICT 1000 DRAIN (Second Bannon Slough)--	2.1L														
Natomas Central Mutual Water Co. a,b	2.15L	1-8								6	23	33	21	20	103
Rose Orchard, Incorporated o	3.55R	1-16						NO DIVERSION							
M. Owyang c	4.0R	1-10						NO DIVERSION							
--STAGE STATION - SACRAMENTO RIVER AT SACRAMENTO WEIR--	4.0R														
--STAGE STATION - SACRAMENTO RIVER ABOVE SACRAMENTO WEIR--	4.4R														
Beatty Ramsey c	4.65R	1-7								24	27	12	5	6	74
Ishmoto Brothers c	5.05R	1-12						35	39	156	92	104	32	33	491
Beatty Ramsey c	5.25R	1-12	1					1	35	20	23	18	17	1	116
Beatty Ramsey c	5.3R	1-12						NO DIVERSION							
Carl and Ray Casselman c	5.5R	1-12							17	18	24	32	2		93
Frank and Ruth Lang c	5.55R	1-12								129		74	14		217
Natomas Central Mutual Water Company b	6.1L	2-18	93						62	1530	1260	1750	1440	478	6613
--RECLAMATION DISTRICT 1000 DRAIN NO. 3--	6.85L														
Natomas Central Mutual Water Co. a,d	7.5L	1-8							34	11	48	83	29		205
A. Marty and C. Inderkum c	7.7R	1-10						NO DIVERSION							
Candido Rosa c	7.8L	1-12						5	54	119	69	97	59		403
E. D. Willey c	7.9L	1-10						21	57	65	69	119	46		377
A. Marty and C. Inderkum c	8.3R	2-8						NO DIVERSION							
Fong Shee Farm c	9.3L	1-10							61	45	46	51	10	17	230
Henry Amen and E. C. Peabody c	9.35R	1-14							165	138	135	152	115	2	707
Fred C. Jones c	9.8L	1-8	31					44	14	15	6	22	8		140
Marbet Land Company c	9.9R	1-12						7	106	33	14	18	26		204
Robbins Beatrice Clayton a	10.25L	1-14								33	90	115	120		358
Thomas M. Erwin c	10.65R	1-12								33	38	57	58	22	208
Hanka, G. A. and Sons a,e	11.1R	1-10							33	143	137	244	168	92	817
--ELKHORN FERRY--	11.9														
--STAGE STATION - SACRAMENTO RIVER AT ELKHORN FERRY--	12.0R														
Investment Operating Corporation a	12.0R	4-36	357						1790	5660	7840	4060	5980	855	26542
Thomas O'Conner Estate c	12.5R	1-12							67	111	74	134	139	144	669
William Plumb, Jr. c	12.7R	1-6 1-17								28	159	202	88		477
Lewis Thornton c	12.95L	1-4						NO DIVERSION							
S. C. Farms, Incorporated c	13.1R	1-12			19				223	187	240	352	229		1250
S. C. Farms, Incorporated c	13.25R	1-12			25				8	8	34	214	132	104	525
Natomas Central Mutual Water Company a	14.1L	1-24 1-30							190	1780	2140	2650	2310	861	9931
Joseph Veress c	14.25R	1-14	1		37					66	150	166	59		479
Corporation of the President Sacramento Stake Latter Day Saints Church a	15.1R	1-16									9	25			34
Natomas Central Mutual Water Company a	16.0L	1-24 2-32 2-38	109						190	4190	3080	4660	4630	584	17443
Hershey Davidella, et al a	16.27R	1-20						NO DIVERSION							
Deseret Farms of California a	16.62R	1-14											50		50

TABLE B-7 (Cont.)

DIVERSIONS - SACRAMENTO RIVER (CONT.)
(Sacramento to Verona) (Cont.)
October 1968 through September 1969

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.	
Deseret Farms of California	17.0R	1-14									35	51			86
Frank and Ruth Lang c	17.4R	1-16									134		103		237
Deseret Farms of California	17.75R	1-16	6										113	94	213
Deseret Farms of California	18.0R	1-20											682		682
H. C. Lauppe c	18.2L	2-10								90	84	101	103	26	404
Burton H. Lauppe a	18.45L	1-14	32								54	84	45	34	249
Layton Knagge a	18.7R	1-24						NO DIVERSION							
E. L. Kerns a	18.7L	1-12						NO DIVERSION							
SACRAMENTO TO VERONA															
Total			3680	1880	1821	1500	1280	1763	5295	18398	20014	20460	21853	7273	105217
Average cubic feet per second			60	32	30	24	23	29	89	299	336	333	355	122	145
Monthly use in percent of seasonal			3.5	1.8	1.7	1.4	1.2	1.7	5.0	17.5	19.0	19.4	20.9	6.9	

a All data furnished by the U. S. Bureau of Reclamation for October and the period April through September.
b Formerly listed as Elmer F. Christophel.
c This diversion will not be measured after this irrigation season.
d Formerly listed as Fred C. Jones.
e Formerly listed as W. A. Ten Eyck.

DIVERSIONS - SACRAMENTO RIVER
(Verona to Knights Landing)
October 1968 through September 1969

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														
Arthur Brown a	*(0.05S)	1-10									72	67	67	66	272
Natomas Central Mutual Water Company b	*(1.0S)	1-24 1-36	71						825	2935	3018	4127	3513	1013	15502
Natomas Central Mutual Water Company b	*(2.0S)	1-20 2-24							2524	9142	8429	8425	6932	1704	37156
Pleasant Grove Verona Mutual Water b,c	*(3.3N)	2-24							259	2193	1340	2052	1785	369	7998
Pleasant Grove Verona Mutual Water b,c	*(3.35N)	1-16													d
Pleasant Grove Verona Mutual Water b,e	*(3.45N)	1-14 2-36							673	1888	1411	1810	2050	364	8196
--FEATHER RIVER--	20.9L														
--SACRAMENTO SLOUGH--	21.2L														
Deseret Farms of California	21.75R	1-16	36									65			101
Roy Michelotti a	22.1R	1-10						NO DIVERSION							
C. Fred Holmes a	22.2L	1-14										12	111		123
Deseret Farms of California b	22.5R	1-24							210			291	209	90	800
--STAGE STATION - SACRAMENTO RIVER AT FREMONT WEIR EAST END--	22.58R														
Antonio Furlan, et ux b	26.6L	1-16		40	40							39			119
A. F. Johnston a	26.6L	1-16						NO DIVERSION							
--STAGE STATION - SACRAMENTO RIVER AT FREMONT WEIR, WEST END--	27.9R														
Lowell Edson a	**28.1R (0.8)	1-5									3	9	13		25
Hershey Estate a	**28.1R (1.3)	1-18								379	133	207	323	173	1215
Gus Inglin a	**28.1R (2.4)	1-12	2							19	14	18	14	16	83

TABLE B-7 (Cont.)

DIVERSIONS - SACRAMENTO RIVER (CONT.)
(Verona to Knights Landing) (Cont.)
October 1968 through September 1969

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.	
Gus Inglin a	28.2R	1-8	1								3	2	2		8
Antonio Furlan, et ux a	28.2L	1-12						NO DIVERSION							
Ralph White a	28.6L	1-8									65	68	6		139
Hershey Estate a	29.0R	1-12 2-16												258	258
Russell Brothers a	29.2R	1-12									133	113			246
Wallace Construction Co., Inc. b,f	29.7R	1-14									63	19	67	16	165
Sebastian Yturralde a	29.9L	1-12								70	42	50	53	39	254
Leo Giovanetti a	30.2L	1-6								17	14	24	24	10	89
G. and D. Traganza a	30.3R	1-8									20	19	18		57
Antonio Furlan, et ux b	30.5L	1-14									119	73	4		196
Clayton Russell a	30.6R	1-10									22	31	18		71
Wallace Construction Co., Inc. b,f	30.7R	1-10								11	7	9	12		39
Harry Anderson a	30.9L	1-10									74	76	114	10	274
A. C. Huston, Jr. and Mrs. E. Huston a	31.5R	1-12						NO DIVERSION							
M. Alonso a	31.8L	1-6						NO DIVERSION							
Sutter Mutual Water Company (Portuguese Bend) a	32.0L	1-20 2-24						NO DIVERSION							
Wallace Construction Co., Inc. b,f	32.1R	1-14							71	81	35	141	142		470
Sutter Mutual Water Company b	32.4L	1-24 1-30 1-36							1215	3307	3114	3413	3050	1148	15247
J. F. Waters and E. Furlan a	32.5L	1-12									9	45	47		101
Collier Brothers a	32.5R	g 1-10 1-12									48	47	42		137
Emma Collier a,h	32.54R	1-14									93	34	27		154
Richter Brothers and Emile Furlan a,j	33.2L	2-10 1-12							149	561	571	537	450	72	2340
J. G. Knox Estate a	33.35L	2-12									193	133	253		579
Clarence Du Bois a	33.5R	1-12										87			87
P. K., G. J. and W. N. Leiser a	33.75L	1-12								181	51	259	148		639
Neil Wilson a	33.85R	1-4 1-6						NO DIVERSION							
--SOUTHERN PACIFIC RAILROAD BRIDGE--	33.95														
VERONA TO KNIGHTS LANDING															
Total			110	40	40	0	0	0	5926	20784	19096	22189	19607	5348	93140
Average cubic feet per second			2	1	1	0	0	0	100	338	321	361	319	90	127
Monthly use in percent of seasonal			0.1	0.0	0.0	0.0	0.0	0.0	6.4	22.3	20.5	23.8	21.1	5.8	

* 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 This diversion will not be measured after this irrigation season.
b All data furnished by the U. S. Bureau of Reclamation for October and the period April through September.
c Formerly listed as E. D. Willey and Sons.
d Diversion included in *(3.3N).
e Formerly listed as R y C. Osterli and Harland Van Dyke.
f Formerly listed as England Brothers.
g The 12" unit was a temporary installation during 1969.
h New installation in 1969.
j Formerly listed as W. H. Ziegler.

TABLE B-7 (Cont.)

DIVERSIONS - SACRAMENTO RIVER (CONT.)
(Knights Landing to Wilkins Slough)
October 1968 through September 1969

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							288	885	382	476	32		2063
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	9						1951	5731	4888	4437	3433	598	21047
River Garden Farms Company a	41.0R	1-14 1-16							583	980	746	1027	956	143	4435
El Dorado Ranch b	42.3R	1-14 1-16													
Reclamation District 2047 a	43.1R	3-50							3104	15331	13186	4714	4720	479	c 41534
Reclamation District 108 a	43.4R	1-10								49	90	91	50		280
--RECLAMATION DISTRICT 108 DRAINAGE PLANT--	44.0R														
John Clauss, Jr., et al a	44.2L	1-18							387	506	522	623	400	30	2468
John Clauss, Jr., et al a	45.6L	1-14							143	111	118	63			435
--GAGING STATION - SACRAMENTO RIVER ABOVE R.D. 108 DRAIN PLANT--	46.4R														
John Clauss, Jr., et al a	46.45L	1-16						NO DIVERSION							
John R. Henle, et ux a	46.5L	1-14 1-20								257	235	243	219		954
Masanobu Oji, et al a	48.7L	2-22								261	640	494	349		1744
Glenwood J. Hiatt, et al a	49.0L	1-14								156	108	67	151	108	590
Glenwood J. Hiatt, et al a	49.7L	1-14								208	205	317	300	18	1048
Reclamation District 108 a (Tyndall Mound)	51.1R	1-16 1-18 2-24 1-36							1729	6887	6549	7112	7304	2163	31744
William S. Keeler a	51.2L	2-16								341	655	551	453	328	2328
Reclamation District 108 a (Howell Point)	53.8R	1-14 1-20 1-36	167						169	810	933	1115	1521	577	5292
May B. Chaplin, et al a	55.1L	1-26								163	281	168	13		625
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							1226	2985	3461	3850	3475	764	15761
May B. Chaplin, et al a	56.95L	1-20	179							244	638	709	551	5	2326
Pelger Mutual Water District a	57.25L	1-24 1-30		125	69				1126	74					1394
Title Insurance and Trust Company a	58.3L	1-14									86	122			208
Reclamation District 108 a (South Steiner Bend)	59.15R	1-10 1-16								208	40	55	384		687
William A. Larner, et ux a	60.4L	1-14 1-16							81	302	390	278	303	33	1387
Reclamation District 108 a	61.05R	1-12						NO DIVERSION							
Reclamation District 108 a (North Steiner Bend)	61.2R	1-16								105	61	98	69	49	382
John Mack b	62.3L	1-14													
Reclamation District 108 a	62.3R	1-10								111	36	77	110	69	403
Reclamation District 108 a	62.6R	1-4							1	9	15	19		12	56
KNIGHTS LANDING TO WILKINS SLOUGH															
Total			355	125	69	0	0	0	10788	36714	34265	26706	24793	5376	139191
Average cubic feet per second			6	2	1	0	0	0	181	597	576	434	403	90	192
Monthly use in percent of seasonal			0.3	0.1	0.0	0.0	0.0	0.0	7.7	26.4	24.6	19.2	17.8	3.9	

a All data furnished by the U. S. Bureau of Reclamation for October and the period April through September.
b This diversion dropped as of October 1968.
c Includes 18,101 acre-feet of water delivered to River Garden Farms Company as follows: April 1225, May 3898, June 3880, July 4150, August 4469, and September 479.

TABLE B-7 (Cont.)

DIVERSIONS - SACRAMENTO RIVER (CONT.)
(Wilkins Slough to Colusa)
October 1968 through September 1969

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							8555	27626	26198	23314	22550	4289	112532
Sutter Mutual Water Co. a	63.75L	6-42 2-48							20626	41203	35244	34866	28573	4946	165458
Oji Brothers Farm, Inc. a	63.9L	2-14								192	6	59	169		426
--STAGE STATION - SACRAMENTO RIVER AT TISDALE WEIR--	64.2L														
Tisdale Irrigation and a Drainage Company	64.4L	1-8 1-12							120	526	508	631	591	19	2395
Tisdale Irrigation and a Drainage Company	67.1L	1-16 1-22							79	1720	1977	1605	1411	432	7224
Newhall Land and Farming a Company	67.5L	1-12 2-24							812	2153	1871	395	320	317	5868
--RECLAMATION DISTRICT 70 DRAINAGE PLANT--	68.8L														
Meridian Farms Water Company #5 a	68.8L	1-24						NO DIVERSION							
C. Yerxa and A. Andreotti b	69.2R	1-10 2-16													
--EDDY'S FERRY SITE (GRIMES)--	69.45														
Beckley, Ritchie, Poundstone b and Andreotti	70.4R	1-16 1-20													
Meridian Farms Water a Company #4	71.1L	2-18							157	1264	1288	1544	1591	520	6364
Otterina Andreotti, et al a	72.1L	2-14	37						38	335	183	199	105	52	949
Froh Farms, Incorporated a	73.6R	1-10						NO DIVERSION							
Meridian Farms Water a Company #3	74.8L	1-18								420	486	406	371	69	1752
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							164	480	173	435	367	282	1901
Olive Percy Davis, et al a	78.15R	2-30	67	182					1667	2344	1836	1824	2607	233	10760
Olive Percy Davis, et al a	78.75R	2-12 1-16	20	28				32	592	652	626	661	713	171	3495
Olive Percy Davis, et al a	78.8R	1-24							956	1996	1988				4940
--GAGING STATION - SACRAMENTO RIVER AT MERIDIAN--	79.85#														
Meridian Farms Water a Company #1 and #2	80.0L	1-18 1-30 1-36							1895	3224	3777	4292	4000	341	17529
Tomlinson Brothers and b E. J. Burrows	81.5L	1-16													
Fred L. Tomlinson, et al a	81.8L	1-16	100						164	13	25	182	76		560
Steidlmayer Brothers b	83.0R	1-20													
--BUTTE SLOUGH OUTFALL GATES--	84.0L														
Reclamation District 1004 a	85.3L	1-8								1		1		12	14
Swinford Tract Irrigation Co. a	87.7R	1-14								19	21	98		32	170
Colusa Irrigation Company a	89.2R	1-20								105	242	326	93		766
Reclamation District 1004 a	89.25L	1-18							208	640	122				970
WILKINS SLOUGH TO COLUSA															
Total			224	210	0	0	0	32	36033	84913	76571	70838	63537	11715	344073
Average Cubic feet per second			4	3	0	0	0	1	606	1381	1287	1152	1033	197	475
Monthly use in percent of seasonal			0.1	0.1	0.0	0.0	0.0	0.0	10.5	24.7	22.2	20.6	18.4	3.4	

\# Station located on bridge at or near center of stream.
a All data furnished by the U. S. Bureau of Reclamation for October and the period April through September.
b This Diversion dropped as of October 1968.

TABLE B-7 (Cont.)

DIVERSIONS - SACRAMENTO RIVER (CONT.)
(Colusa to Butte City)
October 1968 through September 1969

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														
Roberts Ditch Irrigation Company Inc. a	90.7R	1-16 1-18	41						62	489	509	686	568	221	2576
--STAGE STATION - SACRAMENTO RIVER AT COLUSA WEIR--	92.4L														
Wilson Lovvorn, et ux a	93.15R	1-24							434	165					599
Roger C. Wilbur a	95.25L	1-12 1-18		383	360				3	323	314	341	23	31	1778
Joan Lewis, et al a	95.6L	1-16 1-20	590	92					125	617	379	408	237	32	2480
J. T. Griffin, et al a	95.8L	1-16 1-26								579	493	677	361		2110
Joyce Wells and Hunter Estate a	98.6L	1-16							90	425	532	362	330		1739
Sactane Mutual Water Company a	99.25L	2-16							130	1074	892	1327	965	385	4773
Helen May Forry a	99.8L	1-12 1-16	68	83	67	52			340	637	544	603	546	44	2984
Helen May Forry a	100.0L	1-5									16	75	73		164
Colusa Properties, Inc. a	101.8L	1-14								81	144	67	61		353
Guy M. Morse b	102.8R	2-12 1-20													
Robert E. Carter a	102.9L	1-16						NO DIVERSION							
--GAGING STATION - SACRAMENTO RIVER OPPOSITE MOULTON WEIR--	103.3R														
--STAGE STATION - SACRAMENTO RIVER AT MOULTON WEIR--	103.6L														
Eleanor P. Welch b	103.7R	1-16 1-18													
Maxwell Irrigation District a	103.8R	2-20 1-24						NO DIVERSION							
C. W. Tuttle b	103.9R	1-12 1-18													
Zumwalt Orchards, Inc. a	104.8L	1-6						NO DIVERSION							
W. H. Keller Trust a	106.0R	1-14								100	235	201			536
Olive Percy Davis, et al b	106.5R	2-16													
--PRINCETON FERRY--	112.0														
Reclamation District 1004 a	112.1L	2-30 1-36 1-50	575	3975	2024	401			2104	10764	7650	8594	7904	1807	45798
Princeton-Codora-Glenn Irrigation District a	112.4R	3-24							1980	3296	1346	2176	1879	85	10762
Zumwalt Orchards, Inc. a	112.6L	1-6						NO DIVERSION							
COLUSA TO BUTTE CITY															
Total			1274	4533	2451	453	0	0	5268	18550	13054	15517	12947	2605	76652
Average cubic feet per second			21	76	40	7	0	0	89	302	219	252	211	44	106
Monthly use in percent of seasonal			1.7	5.9	3.2	0.6	0.0	0.0	6.9	24.2	17.0	20.2	16.9	3.4	

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

b This diversion dropped as of October 1968.

TABLE B-7 (Cont.)

DIVERSIONS - SACRAMENTO RIVER (CONT.)
(Butte City to Red Bluff)
October 1968 through September 1969

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 a Irrigation District	123.9R	5-24	476						4582	9245	9254	9486	7528	2707	43278
Provident Irrigation a	124.2R	2-24 b 2-36 2-46	1540	3052	2254				7839	8932	7011	6006	5155	651	42440
Joe Bertapelle, et ux a	124.3R	1-12						NO DIVERSION							
--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	213	71	16				384	1916	1985	4678	5541	1402	16206
--OLD CHICO LANDING RAILROAD BRIDGE SITE--	142.1														
--GAGING STATION - SACRAMENTO RIVER AT HAMILTON CITY (GIANELLA BRIDGE)--	149.5L														
Boleo Ranch c	150.8R	1-12 1-16													
Newhall Land & Farming Company c	153.6L	1-10 1-14 1-16													
Glenn-Colusa Irrigation a District	154.8R	1-36 4-44 1-48 1-54 4-66 3-72 1-100	25500	1780				1622	65500	134100	116200	127600	112100	50700	635102
--GAGING STATION - SACRAMENTO RIVER AT VINA BRIDGE --	166.5R														
Corning Canal a	191.15R	3-20 3-30	1390				198	344	1000	3780	4100	4950	3750	2740	22252
Diamond National Corporation a	191.5R	1-8	61	60	61	61	56	61	60	61	60	61	61	60	723
Diamond National Corporation c	197.0L	1-8													
BUTTE CITY TO RED BLUFF Totals			29180	4963	2331	61	254	2027	79365	158034	138610	152781	134135	58260	760001
Average cubic feet per second			475	83	38	1	5	33	1334	2570	2329	2485	2182	979	1050
Monthly use in percent of seasonal			3.8	0.7	0.3	0.0	0.0	0.3	10.4	20.8	18.2	20.1	17.7	7.7	

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

b One 36" unit was installed in 1969.

c This diversion dropped as of October 1968.

TABLE B-7 (Cont.)

DIVERSIONS - SACRAMENTO RIVER (CONT.)
(Red Bluff to Redding)
October 1968 through September 1969

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														
Mills Estate a,b	207.3L	1-8						NO DIVERSION							
Mills Estate a,b	207.5L	1-12	31						48	77	77	103	91	65	492
River Development Company a,d	221.0R	1-12							55	65	135	155	120	110	640
Anderson-Cottonwood a Irrigation District	240.5L	4-16	819						1020	3030	3120	3510	3710	2990	18199
Riverview Golf Course c	240.8L	1-4													
Wintu Pumping Plant a	244.44L	4-20	189	87	32				30	613	715	851	758	404	3679
Anderson-Cottonwood a Irrigation District	246.0R	Gravity	14100						18000	21500	21100	20700	21500	19500	e 136400
City of Redding a	246.25L	2-6	14	3	1	2			4	11	25	19	21	22	122
City of Redding a	246.7R	3-8	427	258	280	299	312	235	288	548	795	1010	904	524	5880
--GAGING STATION - SACRAMENTO RIVER AT KESWICK--	250.5R														
RED BLUFF TO REDDING															
Total			15580	348	313	301	312	235	19445	25844	25967	26348	27104	23615	165412
Average cubic feet per second			253	6	5	5	6	4	327	420	436	428	441	397	228
Monthly use in percent of seasonal			9.4	0.2	0.2	0.2	0.2	0.1	11.8	15.6	15.7	15.9	16.4	14.3	
SACRAMENTO RIVER - SACRAMENTO TO REDDING															
Total			50403	12099	7025	2315	1846	4057	162120	363237	327577	334839	303976	114192	1683686
Average cubic feet per second			696	203	97	32	33	56	2724	5017	5505	4625	4199	1919	2326
Monthly use in percent of seasonal			3.0	0.7	0.4	0.1	0.1	0.2	9.6	21.6	19.5	19.9	18.1	6.8	

a All data furnished by the U. S. Bureau of Reclamation for October and the period April through September.
b Formerly listed as D. Mills.
c This diversion dropped as of October 1968.
d Formerly listed as Rio Alto Rancho.
e Includes 20711 acre-feet of spill as follows: October 3550, April 15178, May 508, July 425, and September 1050.

DIVERSIONS - COLUSA BASIN DRAIN*
October 1968 through September 1969

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						NO DIVERSION							
Layton Knaggs	4.65R(0.3)	2-24									162	483			645
Layton Knaggs	6.5R (1.5)	1-20								647	983	1140	1140	74	3984
Layton Knaggs	7.5R (0.5)	3-16 1-20						NO DIVERSION							
George E. Youngmark	8.8R	1-14 2-16		71	18					652	597	934	1010	131	3413
Hershey Estate	11.15R	1-16 1-18		112	56				90	726	720	772	734	86	3296
Hershey Estate	13.75R	1-16								484	568	484	498	506	2540
C. M. Mumma	14.75R	1-10						NO DIVERSION							
--COUNTY LINE BRIDGE--	15.25														
Robert J. Rooney	18.5R (0.8)	1-14								215	359	471	254		1299
--RECLAMATION DISTRICT 108 GRAVITY DRAIN--	19.9L														
Reclamation District 108	19.9L	1-16 1-24 1-30							843	831		2246			3920
Robert J. Rooney	20.0R	1-14 1-16		266	226	103				627	257	644	635	102	2860
Colusa County Water a District	20.05R(1.2)	2-10 3-14 2-18	1323	83	12	4	1	6	50	2752	3338	3209	1184	282	12244
B. W. Whitmire and Son	21.35R	2-16		167	131	57			48	555	353	449	510	32	2302
--GAGING STATION - COLUSA BASIN DRAIN NEAR COLLEGE CITY--	22.5L														

TABLE B-7 (Cont.)

DIVERSIONS - COLUSA BASIN DRAIN* (CONT.)
October 1968 through September 1969

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.	
--HILLGATE ROAD BRIDGE--	22.7														
--SOUTHERN PACIFIC RAILROAD BRIDGE--	23.6														
Baldon Ranch b	24.6L (0.3)	1-14 2-16	224		48			7	17	290	1000	1030	1030	836	4482
--GRIMES - COLLEGE CITY CAUSEWAY--	25.5														
Loretta S. Christenson and Frederick J. Strain	25.9L	1-16 1-20 1-24			206	50			906	1830	1170	1390	1570	78	7200
C. W. and M. F. Struckmeyer	27.25L(0.3)	2-16	343							291	398	509	668	577	2786
William P. Wallace Ranch	28.0R	1-12 1-16							113	613	474	473	529	74	2276
Olive Percy Davis, et al	29.8R (0.4)	1-16	262	535	91				12	394	346	352	339	30	2361
Glenn-Colusa Irrigation District	29.8R (1.4)	1-20 c 3-38							1210	1570	1750	3530	2080	79	10219
Olive Percy Davis, et al	32.1R	1-16	299	338	249	245									1131
--MERIDIAN - WILLIAMS BRIDGE--	32.15														
Federal Fish and Wildlife Service	32.6R	1-16	321	111	163							140	92	180	1007
Richard Moore	33.5L	1-12 1-16		35					401	764	832	802	764		3598
Federal Fish and Wildlife Service	36.65R	1-15 1-20	1258	765	912					657	765	1433	1140	1375	8305
--GAGING STATION - COLUSA BASIN DRAIN AT HIGHWAY 20--	37.0														
COLUSA BASIN DRAIN															
Total			4030	2483	2112	459	1	13	3690	13898	14072	20491	14177	4442	79868
Average cubic feet per second			66	42	34	7	0	0.2	62	226	236	333	231	75	110
Monthly use in percent of seasonal			5.0	3.1	2.6	0.6	0.0	0.0	4.6	17.4	17.6	25.7	17.8	5.6	

* 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.

a Records furnished by the U. S. Bureau of Reclamation.
b Previously listed as Baldson Ranch.
c One 38" unit was installed in 1969.

DIVERSIONS - KNIGHTS LANDING RIDGE CUT
October 1968 through September 1969

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 113 BRIDGE--	0.3														
--SOUTHERN PACIFIC RAILROAD BRIDGE--	0.7														
E. L. Wallace a	0.8R	1-16 1-20							265	639	1120	1280	1110	441	4855
England Brothers a	0.82L	1-14							71	389	453	377	180		1470
--RECLAMATION DISTRICT 730 DRAINAGE PLANT #2	3.2R														
Hershey Estate a	4.75L	1-24								192	142	111	134	97	676
--WEST LEVEE YOLO BYPASS--	6.3														
Hershey Estate a	6.3	Gravity	266	99							1055	1865	990	1617	5892
Deseret Farms a	6.3	Gravity	283						127	1190	1240	1250	1480	506	6076
KNIGHTS LANDING RIDGE CUT															
Total			549	99	0	0	0	0	463	2410	4010	4883	3894	2661	18969
Average cubic feet per second			9	2	0	0	0	0	8	39	67	79	63	45	26
Monthly use in percent of seasonal			2.9	0.5	0.0	0.0	0.0	0.0	2.4	12.7	21.2	25.8	20.5	14.0	

* Mileage downstream from head on Colusa Basin Drain near Knights Landing. Flow is principally Colusa Basin drainage diverted to the Ridge Cut by checking at Knights Landing Outfall Gates.
a This diversion will not be measured after this irrigation season.

TABLE B-7 (Cont.)

DIVERSIONS - YOLO BYPASS
(East Borrow Pit or Tule Canal)
October 1968 through September 1969

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								824	1145	1062	835	599	a 4465
Florence and Lillian Swanston	1.5S	1-14													
--STAGE STATION - YOLO BYPASS BELOW SACRAMENTO BYPASS--	1.0S														
Florence and Lillian Swanston	0.8S	1-16													
Florence and Lillian Swanston	0.5S	1-16													
--STAGE STATION - YOLO BYPASS ABOVE SACRAMENTO BYPASS--	0.0														
Florence and Lillian Swanston	1.8N	1-16 1-20													
Martha Ensher	2.4N	1-16								135	187	415	463	182	1382
--SACRAMENTO-WOODLAND HIGHWAY--	6.18N														
--SACRAMENTO-WOODLAND RAILROAD BRIDGE--	6.2N														
--CACHE CREEK--	7.0N														
--KNIGHTS LANDING RIDGE CUT--	9.6N														
--RECLAMATION DISTRICT 1600 DRAINAGE PLANT--	10.0N														
YOLO BYPASS (East Borrow Pit or Tule Canal)															
Total										959	1332	1477	1298	781	5847
Average cubic feet per second										15.6	22.4	24.0	21.1	13.1	8
Monthly use in percent of seasonal										16.4	22.8	25.3	22.2	13.3	

* 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 Computed using consumptive use factors developed for the Sacramento San Joaquin Delta and includes total diversions for miles 1.8S(0.5), 1.5S, 0.8S, 0.5S and 1.8N.

DIVERSIONS - LOWER BUTTE CREEK AND BUTTE SLOUGH
October 1968 through September 1969

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		201	190					127	427	431	480	404	2260
Reclamation District 1004	3.2R	1-14						NO DIVERSION							
Reclamation District 833	3.3L	1-16									85	744	748		1577
Colusa Shooting Club	4.1L	1-16	165								161	447			773
West Butte Farms Company	4.25L	1-18									19	206	29		254
Reclamation District 1004	4.3R	1-20 1-24								1140	1280	1130	1200	554	5304
El Anzar, Incorporated	5.7L	1-12						NO DIVERSION							
Field and Tule	7.1L	1-10						NO DIVERSION							
White Mallard Duck Club	11.8R	Gravity	30	447	95	34									606
White Mallard Duck Club	11.8R (0.5)	1-12		72	201	63				394	499	410	269		1908
White Mallard Duck Club a	11.8R (1.4)	1-14									117	140	51		308
White Mallard Duck Club	11.8R (1.95)	Gravity	16	321	164										501
White Mallard Duck Club	11.8R (2.45)	Gravity	199	503	981	431									2114
Reclamation District 1004	11.8R (2.6)	Gravity		4560	2010				277	1150	1590	2960	2540	135	15222
Butte Basin Gun Clubs	11.9L	Gravity													b
Reclamation District 1004	Opp. 14.4R (0.2)	Gravity							296	1760	1930	2600	2670	144	9400
Compton Hills Ranch	Opp. 14.4R (0.4)	1-16													c
Compton Hills Ranch	Opp. 14.8R (0.6)														c
Butte Basin Gun Clubs	15.3L	Gravity													b
--GRIDLEY ROAD BRIDGE--	15.4														
Compton Hills Ranch	19.3R	1-16													c
--BIGGS-AFTON ROAD BRIDGE--	19.4														
Compton Hills Ranch	Opp. 19.6R (0.8)	1-14													c
Homer Charles	Opp. 20.7R (0.8)	2-16		18						565	330	536	700	321	2470
McGowan Brothers	Opp. 20.9R (0.5)	1-16						NO DIVERSION							
McGowan Brothers	21.0R	d 1-16 1-20								608	529	556	350		2043
E. McPherrin	21.1L	1-16 1-20	114	312	320				117	2440	2450	2840	3000	614	12207

TABLE B-7 (Cont.)

DIVERSIONS - LOWER BUTTE CREEK AND BUTTE SLOUGH (CONT.)
October 1968 through September 1969

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.	
	*														
Dorothy Hulen	Opp. 21.4R (1.0)	1-16							104	236	222	234	235		1031
McGowan Brothers	Opp. 22.4R (0.7)	d 2-16							291	352	348	406	146		1543
McGowan Brothers	Opp. 22.4R (1.1)	d 2-16							266	414	481	427	213		1801
--RICHVALE-BUTTE CITY ROAD BRIDGE--	22.5														
Harris Lands	23.0L	1-16								104	88	141	66	100	499
McGowan Brothers	23.0R	e 1-14 1-16 f 2-20							339	957	1000	1320	1420	148	5184
McGowan Brothers	23.0R (0.6)	1-16						NO DIVERSION							
McGowan Brothers	23.0R (1.7)	1-16								230	171	203	185	24	813
McGowan Brothers	23.0R (2.4)	1-16 2-20							996	1510	1360	1340	829		6035
McGowan Brothers	Opp. 24.5R (1.4)	1-16								203	183	244	177	38	845
Quandt Reed and C. K. Farms g	25.6L	1-8	34	18	18	6									76
Quandt Reed and C. K. Farms g	25.6L (0.6)	1-16 h 1-18		72	75				34	1050	768	691	621	38	3349
Rio Bonita Ranch	26.1L (0.2)	2-16		28	29					778	434	613	451	62	2395
Arrowhead Ranch	27.9R	1-16								197	133	154	117	117	718
Arrowhead Ranch	28.0R	1-12 2-16						PLANT REMOVED							
Arrowhead Ranch	29.2R	1-16							2	507	443	489	420		1861
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													i
Reclamation District 1004	0.02E	1-14 1-16	45						173	448	423	518	574	47	2228
M. Marty	0.3W	1-10	32							80	51	106	96	81	446
Joe Marty	0.4W	1-12	50							20	1			1	72
--BUTTE CREEK--	0.6E														
Wallace E. Montna, et al	0.9E	1-7 j 1-10 k 1-16								5	87				92
Joe Marty	1.0W	1-12						PLANT REMOVED							
Wallace E. Montna, et al	1.4E	1-8								16					16
Fred Tarke	1.9W	1-14						NO DIVERSION							
C. W. Rowley	2.5W	1-14								197	116	193	134	38	678
J. E. Smith	3.0W	1-10						NO DIVERSION							
Pearl Clark and Alice Brewer	3.5W	1-10								4	2	5	7	2	20
P. A. Reische	3.7W	1-10										14			14
--GAGING STATION - BUTTE SLOUGH NEAR MERIDIAN--	4.0W														
Frank Pirtle	4.08W	1-6									2	2			4
P. A. Reische	4.1W	1-10									3	4	42	1	50
James Tarke	4.3E	1-6						NO DIVERSION							
W. J. Hankins	4.8W	1-12									119	40	55		214
P. B. Hensen and W. J. Hankins	5.1W	1-12									94	123	144		361
Tarke Brothers and Anderson a	6.2W	1-6										61	20		81
Edward E. Nall	6.3W	1-12											1		1
LOWER BUTTE CREEK AND BUTTE SLOUGH															
Total			685	6552	4083	534	0	0	2895	15492	15946	20328	17990	2869	87374
Average cubic feet per second			11	110	66	9	0	0	49	252	268	331	302	48	121
Monthly use in percent of Seasonal			0.8	7.5	4.7	0.6	0.0	0.0	3.3	17.7	18.2	23.3	20.6	3.3	

* 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 Temporary installation for 1969 irrigation season only.
b Records insufficient to compute monthly acre feet.
c No record available.
d One 16" unit was a temporary installation during 1969.
e One 14" unit was a temporary installation during 1969.
f One 20" unit was a temporary installation during 1969.
g Formerly listed as Ruth Baldwin and Charles K. Layton.
h The 18" unit was installed in 1969.
i 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.
j The 10" unit was a temporary installation during 1969.
k The 16" unit was installed in 1969.

TABLE B-7 (Cont.)

DIVERSIONS - SUTTER BYPASS AND SACRAMENTO SLOUGH
October 1968 through September 1969

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.	
--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														
--RECLAMATION DISTRICT 1660 GRAVITY DRAIN--	19.3R														
G. Guisti and Sons	23.7R	1-16 1-24							362	1770	1690	1830	1920	199	7771
Butte Slough Irrigation Company Limited	24.6R	1-18						NO DIVERSION							
Central Gun Club	b 24.65L	1-12	130	94	50										274
Central Gun Club	b 24.8L	1-16								208	292	251	254	98	1103
Butte Slough Irrigation Company Limited	25.0R	Gravity										212	146		358
Butte Slough Irrigation Company Limited	28.4R	Gravity							502	1410	1570	1920	1470	160	7032
Fred Tarke	28.6R	1-4 1-10						NO DIVERSION							
G. A. Frye	29.0R	1-8										12			12
--STATE HIGHWAY 20 BRIDGE--	29.1														
Fred Tarke	29.2R	1-10									41	32	14		87
--SACRAMENTO NORTHERN RAILROAD BRIDGE--	29.25														
	**					EAST BORROW PIT OF SUTTER BYPASS									
C. Fred Holmes	b 1.5S	1-14						NO DIVERSION							
Agrivest Corporation	b 0.95S	1-16	96	97	50					252	336	524	299	54	1708
Hamatani Nicolaus Ranch	0.5S	1-18						NO DIVERSION							
--WILLOW SLOUGH--	0.0														
Agrivest Corporation	b 0.5N	2-16						NO DIVERSION							
--RECLAMATION BOARD DRAINAGE PLANT #1--	1.4N														
Cliff P. Childers	" * (0.2)	1-16						NO DIVERSION							
Cliff P. Childers	" * (0.3)	1-16								500	470	453	490	110	2023
Cliff P. Childers	" * (1.29)	1-16							48	440	439	422	439	106	1894
E. H. Christensen and Sons	" * (1.32)	1-16							239	779	778	794	785	70	3445
E. H. Christensen and Sons	" * (1.45)	1-14							72	373	316	349	314	18	1442
E. H. Christensen and Sons	" * (1.75)	2-16	37	136	32	33			30	506	384	483	515	90	2246
E. H. Christensen	" * (2.8)	1-12									95	110	21		226
E. H. Christensen	" * (3.5)	1-18	79	139	96					205	551	556	586	87	2299
Oji Brothers	" * (3.6)	1-10								78	1	104	72	47	302
E. H. Christensen	" * (3.6)	1-12								37	64	63	92		256
E. H. Christensen	" * (3.9)	1-12							79	109	490	429	445	25	1577
E. H. Christensen	" * (4.1)	1-16							48	291	285	302	410	25	1361
E. H. Christensen	" * (4.29)	1-16								172	155	208	153	92	780
Oji Brothers	" * (4.29)	1-10								61		54	82		197
E. H. Christensen	" * (4.3)	1-12								15	19	16			50
Rai Brothers	" * (4.3)	1-12						NO DIVERSION							
E. H. Christensen	" * (4.33)	1-16								139	143	68	163	61	574
E. H. Christensen	" * (4.35)	1-18	35							70	196	169	190	149	809
Agrivest Corporation	b 1.5N	1-16						NO DIVERSION							
Agrivest Corporation	b 2.9N	1-14			87					102		148	116		453
Neal Westrope	b 4.0N	1-14 1-16	12	466	200					76	40	323	285		1402
--STATE HIGHWAY 113 CAUSEWAY--	4.3N														

TABLE B-7 (Cont.)

DIVERSIONS - SUTTER BYPASS AND SACRAMENTO SLOUGH (CONT.)
October 1968 through September 1969

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.	
Neal Westrope	b 4.5N	1-14								185	403	421	409	134	1552
Frank Guisti	b 5.4N	1-14	406	530	374					205	370	448	476	16	2825
Ira Mulligan	b 5.7N	1-16									186	104	167		457
Lucille Orrick	b 5.9N	1-14										128	136		264
J. Etcheverry	5.91N	1-14								317	499	487	466	235	2004
O. O. Orrick	b 6.9N	1-10 1-16								67		296	207		570
Ira Mulligan	7.1N	1-16								266	659	797	812	414	2948
--GILSIZER SLOUGH--	8.0N														
Neal Westrope	b 8.0N (0.45)	1-16	19	470	109					218	409	383	387	62	2057
Crepps and Middleton	b 8.4N	1-16	170	46							112	106			434
Crepps and Middleton	b 9.4N	1-15	131							230	257	280	175		1073
--RECLAMATION BOARD DRAINAGE PLANT #2--	10.0N														
Crepps and Middleton	b 10.1N (0.1)	1-16							18	288	284	281	273	17	1161
Crepps and Middleton	b 10.1N (0.5)	2-16	459	535	606					702	282	445	413		3442
Federal Fish and Wildlife Service	b 11.5N	1-12									31	79	61	283	454
Federal Fish and Wildlife Service	b 16.3N	Gravity	2280	2150	2030					161	1580	1010	1990	2100	13301
R. A. Schnabel	b 16.4N	1-8	8	3							50	56	42	24	183
--WADSWORTH CANAL--	16.5N														
R. A. Schnabel	" v (1.0L)	1-16							13	555	544	532	548	118	2310
Fred S. Betty	" v (1.0R)	1-10								50	38	55	74	25	242
--STAGE STATION - WADSWORTH CANAL NEAR SUTTER (LOWER STATION)	" v (1.05#)														
H. D. Brown and A. H. Muns	" v (1.35R)	1-16 1-20							302	663	618	639	645	130	2997
Vesper Kellogg	" v (1.5L)	1-14								292	321	337	345	165	1460
Albert Thomasen	" v (1.7R)	1-16							66	338	345	342	252		1343
--STATE HIGHWAY 20 BRIDGE--	" v (2.0)														
--GAGING STATION WADSWORTH CANAL NEAR SUTTER (UPPER STATION)--	" v (2.45#)														
--RECLAMATION BOARD DRAINAGE PLANT #3--	16.7N														
Fred S. Betty	" o (0.9)	1-8							16	79	37	47	50		229
Fred S. Betty	" o (1.0)	1-10							21	69	37	70	48	34	279
Fred S. Betty	" o (1.2)	1-10								4	3	6	7		20
Fred S. Betty	" o (1.3)	1-8 1-14							54	412	400	404	373	89	1732
Fred S. Betty	" o (1.4)	1-12							37	250	253	264	268	53	1125
Mrs. H. C. and C. H. Epperson	" o (1.49)	1-10									43	221	171		435
Mrs. H. C. and C. H. Epperson	" o (1.5)	2-12								461	353	604	597	292	2307
T. Biblman	" o (1.85)	1-14						NO DIVERSION							
Robert Stoblman	" 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							54	372	319	291	183		1219
Robert Stoblman	" o (3.0)	1-18						NO DIVERSION							
William Pendola	" o (3.55)	1-12 1-14		88						170	192	192	190	165	997
Edward Dean b	16.7N	1-12	66	38	83					32	89	96	78	60	542
Edward Dean b	16.75N	2-14									14	166	90		270
Fred Tarke and Sons b	17.5N	1-6						NO DIVERSION							
Epperson, Meyer, DeWitt, and Middleton	19.1N	1-12									318	382	320		1020
Kermit Tarke b	19.5N (0.1)	1-10								194	248	238	199		879
T. S. Madden	19.9N	1-16								364	364	366	381	355	1810

TABLE B-7 (Cont.)

DIVERSIONS - SUTTER BYPASS AND SACRAMENTO SLOUGH (CONT.)
October 1968 through September 1969

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.	
Kermit Tarke b	19.98N	1-6						NO DIVERSION							
--STATE HIGHWAY 20 BRIDGE--	19.98N														
--SACRAMENTO NORTHERN RAILROAD BRIDGE--	20.0N														
							SACRAMENTO SLOUGH								
University of the Pacific b c	0.9L	1-14											316		316
SUTTER BYPASS AND SACRAMENTO SLOUGH															
Total			3928	4792	3717	33	0	0	1961	14537	18013	20405	20410	6142	93938
Average cubic feet per second			64	81	60	1	0	0	33	236	303	332	332	103	130
Monthly use in percent of seasonal			4.2	5.1	4.0	0.0	0.0	0.0	2.1	15.5	19.2	21.7	21.7	6.5	

* 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 indicated 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 indicated distance along creek from East Borrow Pit.

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

s 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 This diversion will not be measured after this irrigation season.

TABLE B-7 (Cont.)

DIVERSIONS - FEATHER RIVER
October 1968 through September 1969

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.	
Kate and Walter Raymond Estate a	0.6R	1-20										54	523		577
Kate and Walter Raymond Estate a	1.0R	1-18									394	25	5		424
Kirtland Brothers a	1.1L	1-12						NO DIVERSION							
William Baird a	1.5R	1-12												62	62
A. H. Bergen a	2.2L	1-18								92	67	83	56	45	343
Kate and Walter Raymond Estate a	2.6R	2-20										18	793	45	856
Lingge-Elliott Ranch a	2.6L	1-12								54	99	24	136	42	355
Kate and Walter Raymond Estate a	4.0R	1-16											121		121
Mrs. Aileen Marty a	4.55L	1-18								1121	149	607	645	498	3020
C. Fred Holmes, Jr. a	4.9R	1-16						NO DIVERSION							
D. R. Toledo and Son a	5.2L	1-12								35	55	102	63	25	280
C. Fred Holmes, Jr. a	5.4R	1-16						NO DIVERSION							
White Oak Ranch a	5.6L	1-14 1-16							100	294	242	492	291	187	1606
A. F. Haymore a	6.44L	1-10								35		9	38	22	104
M. Scheiber a	7.2L	1-18								33	205	644	118		1000
--NICOLAUS BRIDGE--	9.2														
--GAGING STATION - FEATHER RIVER AT NICOLAUS--	9.2L														
Leo Muller a	9.25L	1-8									21	44	18		83
Hamatani Brothers	9.75R	1-20 1-30							2490	1640	1310	1450	1820	969	9679
--BEAR RIVER--	12.0L														
Garden Highway Mutual Water Company	13.1R	2-20 1-24							895	3350	3170	3270	3720	803	15208
George Taylor a	15.2R	1-10								22	48	46	24	3	143
Feather Water District b	15.2R	3-14	18						135	1009	1423	1698	1132	839	6254
Plumas Mutual Water Company	17.5L	2-18							307	1310	1730	1990	1820	1420	c 8577
Tudor Mutual Water Company	18.4R	2-30 1-35								394	1630	1010	799	358	4191
Leo Gildersleeve a	18.4R	1-18							14	26	27	23			90
C. E. Sullivan a	18.6R	1-8						NO DIVERSION							
C. E. Sullivan a	19.0R	1-8								40	147	23	334	42	586
C. E. Sullivan a	19.1R	1-10								78	105	67	37	54	341
C. E. Sullivan a	19.3R	1-8							75	43	79	32	52	10	301
C. E. Sullivan a	19.8R	1-3						NO DIVERSION							
C. E. Sullivan a	20.0R	1-2						NO DIVERSION							
C. E. Sullivan a	20.4R	1-12							40	50	45	113	7		255
Feather Water District b	20.4R	4-26	93						27	1055	2955	2719	1754	292	8895
Oswald Water District	21.4R	2-16								426	350	553	230	284	1843
Di Giorgio Fruit Corporation a	21.9L	1-4						NO DIVERSION							
--GAGING STATION - FEATHER RIVER BELOW SHANGHAI BEND--	23.0R														
S & S Land Company a	26.3L	1-5						NO DIVERSION							
R. R. Wilbur Estate a	26.8L	1-10								173	38	70	33	17	331
R. R. Wilbur Estate a	27.0L	1-12								41	13	85	8	26	173
--YUBA RIVER--	27.3L														
--GAGING STATION - FEATHER RIVER AT YUBA CITY--	28.0#														
--5TH STREET BRIDGE--	28.0														
--10TH STREET HIGHWAY BRIDGE--	28.2														
Feather River Ranch a	30.9R	1-2 1/2								17	20	20			57
R. R. Wilbur Estate a	31.6R	1-10						NO DIVERSION							
R. R. Wilbur Estate a	32.3R	1-10								2	112	1	12		127
G. D. Prindiville a	33.3R	1-10								58	169	116	86		429
Mathews, et al a	33.9R	1-8 1-10								27	113	126	60		326
Sutter Extension Water District	38.1R	1-36 1-46 1-48							4110	11300	6880	9990	9860	62	42202
La Finca Orchard a	38.5L	1-5						NO DIVERSION							

TABLE B-7 (Cont.)

DIVERSIONS - FEATHER RIVER (CONT.)
October 1968 through September 1969

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.	
Mathews, et al a	39.4L	1-3 1-9									33	37	17	3	90
Fred A. Shaeffer, Jr. a	42.1L	1-10								123	19	75			217
Libby, McNeil and Libby a	43.5L	1-4									19	27	26	60	132
--HONCUT CREEK--	43.7L														
Mathews, et al a	*(0.4L)	1-18								338	510	693	530	178	2249
Matsumura Brothers a	*(1.2L)	1-8						NO DIVERSION							
Niel Denny a	*(1.21L)	1-8						NO DIVERSION							
W. L. Robbins, Jr. a	46.4R	1-6						NO DIVERSION							
Manuel Aguiar a	47.9L	1-12								63	12	168	33	150	426
M. E. Biggs a	48.0L	1-7													d
M. E. Biggs a	48.3L	1-10													d
Roy Mathews a	48.9R	1-3								8	8	2	7	6	31
Bowers Ranch a	49.0L	1-8							24	43	26	16	4		113
--GRIDLEY BRIDGE--	49.6														
--GAGING STATION - FEATHER RIVER NEAR GRIDLEY--	49.7R														
Roy Mathews a	49.7L	1-3										10	11	6	27
Robinson Estate a	50.4L	1-12	67	2						183	269	201	244	190	1156
Pedroza Brothers a	50.7L	1-6								30	17	17	32	27	123
Wendell A. Dewsnup a	52.1L	1-10								30	109	186	260	133	718
Mart Butler a	52.5L	1-7	6							58	48	70	60	54	296
Moe F a	52.7L	1-8									38	17	40		95
Carl Lee Walker a	53.3L	1-6						NO DIVERSION							
L. & M. Ranches, Inc. a	53.31L	1-2						NO DIVERSION							
L. G. Curtino a	53.32L	1-3													e
Bob Allen a	57.9L	1-9								40	59	37			137
--FEATHER RIVER OUTLET AT THERMALITO AFTERBAY--	58.2R														
--OROVILLE-RICHVALE HIGHWAY BRIDGE--	62.6														
--STATE HIGHWAY 70 BRIDGE--	63.8														
--OROVILLE-CHICO HIGHWAY BRIDGE--	65.0														
--FEATHER RIVER FISH BARRIER DAM--	65.2														
--GAGING STATION - FEATHER RIVER AT OROVILLE--	65.3R														
--THERMALITO DIVERSION DAM--	65.6														
Western Canal Outlet @ Thermalito Afterbay	19/3-18D **	Gravity	12830	9392	2759	0	0	0	7309	41600	32970	37150	33270	9588	186868
Richvale Canal Outlet @ Thermalito Afterbay	19/3-18D **	Gravity	0	0	0	0	0	0	4250	19050	13090	13020	13410	5460	68280
P.G.&E. Outlet @ Thermalito Afterbay	19/3-19E **	Gravity	0	0	0	0	0	0	73	1060	651	714	750	124	3372
Sutter Butte Canal Outlet @ Thermalito Afterbay	18/3-5B **	Gravity	27400	4590	1570	0	0	839	31480	103400	93620	95920	87970	48140	494929
--OROVILLE DAM--	70.4														
FEATHER RIVER Total			40414	13984	4329			839	51329	188761	163094	173859	161259	70224	868092
Average cubic feet per second			657	235	70			14	863	3069	2741	2827	2622	1180	1199
Monthly use in percent of seasonal			4.7	1.6	0.5			0.1	5.9	21.7	18.8	20.0	18.6	8.1	

* Plant diverts Feather River water backed into Honcut Creek.
** 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 This diversion will not be reported after this irrigation season.
b Records furnished by U. S. Bureau of Reclamation.
c Includes an undetermined amount of spill.
d No record. Owner refused permission to enter property.
e Insufficient data to compute.
f Includes diversions via Duncan Lateral.

TABLE B-7 (Cont.)

DIVERSIONS - YUBA RIVER
October 1966 through September 1969

WATER USER	MILE AND BANK above "D" Street	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														
Quinco Corporation a	0.9L	a 1-10								21	192	72	263		548
--SIMPSON LANE BRIDGE--	0.9														
Ben Williams a	1.4R	1-6						NO DIVERSION							
John Schmidl a	1.7R	1-6								28	23	26	6		83
Quinco Corporation a	3.0L	1-12								19	145	125	107	15	411
Truman G. Cooper a	3.05R	1-10									15	23	9	15	62
R. R. Wilbur Estate a	4.1L	1-10 1-12 1-14								78	435	328	270		1111
Di Giorgio Fruit Corporation a	4.75L	1-8							17	44	41	4	51		157
Di Giorgio Fruit Corporation a	5.15L	1-6							12	22	53	1	9		97
--GAGING STATION - YUBA RIVER NEAR MARYSVILLE--	5.2L														
Di Giorgio Fruit Corporation a	6.2L	1-8							8	28	90	23	50		199
--DAGUERRE POINT DAM--	11.0														
Hallwood Irrigation Company	11.0R	Gravity	5500	5240	5500	1010			7840	22600	18100	16600	16300	7870	106560
Cordua Irrigation District	11.0R	Gravity	5860	8070	7630	2840			3760	11600	10800	11700	11000	6150	79410
Browns Valley Irrigation District	11.7R	1-12 1-16 1-6 1-24	1280	1380	270	209			8	1910	2690	2900	2820	865	14332
--DRY CREEK--	13.1R														
Yuba Consolidated Gold Field Company a	14.5L	Gravity					NON AGRICULTURAL USE								
--HIGHWAY 20 BRIDGE--	17.1														
--DEER CREEK--	21.8L														
--ENGLEBRIGHT DAM--	22.8														
YUBA RIVER															
Total			12640	14690	13400	4059	0	0	11645	36350	32584	31802	30885	14915	202970
Average cubic feet per second			206	247	218	66	0	0	196	591	548	517	502	251	280
Monthly use in percent of seasonal			6.2	7.2	6.6	2.0	0	0	5.7	17.9	16.1	15.7	15.2	7.4	100

a This diversion will not be measured after this irrigation season, due to a cutback in diversion program.

DIVERSIONS - BEAR RIVER
October 1968 through September 1969

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.	
--MARYSVILLE-NICOLAUS COUNTY ROAD BRIDGE--	2.7														
--DRY CREEK--	4.5R														
--TROWBRIDGE-WHEATLAND COUNTY ROAD BRIDGE--	6.8														
California Packing Corporation	9.0L	1-8						NO DIVERSION							
California Packing Corporation	10.7L	1-10						NO DIVERSION							
--GAGING STATION - BEAR RIVER NEAR WHEATLAND--	11.3R														
--HIGHWAY 99E BRIDGE--	11.3														
BEAR RIVER															
Total			0	0	0	0	0	0	0	0	0	0	0	0	0
Average cubic feet per second			0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly use in percent of seasonal			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE B-7 (Cont.)

DIVERSIONS - AMERICAN RIVER
October 1968 through September 1969

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.	
--GARDEN HIGHWAY BRIDGE--	0.2														
--HIGHWAY 40 and 99E BRIDGE (16th Street)--	1.9														
North Sacramento Land Company	2.75R	1-8						NO DIVERSION							
--SOUTHERN PACIFIC RAILROAD BRIDGE--	3.0														
--ELVAS FREEWAY BRIDGE--	3.2														
--GAGE STATION - AMERICAN RIVER AT SACRAMENTO (H Street)--	6.0#														
City of Sacramento	6.9L	1-20 1-24 1-30 2-36	1390	1330	1490	1700	1510	1800	2380	3530	3810	4870	4980	3870	32660
--WATT AVENUE BRIDGE--	8.8														
Walter J. Wissemann a	9.0L	1-6						NO DIVERSION							
Richard Oki a	11.2L	1-4						NO DIVERSION							
Miller & Associates a	11.35L	1-4						NO DIVERSION							
Riverview Enterprises a	11.7L	1-4						NO DIVERSION							
Natomas Company	14.3L	1-4 1-6									62	99	57	108	326
Carmichael Irrigation District	14.76R	1-10 2-12	164	87						145	301	301	280	298	1576
Natomas Company	15.5L	1-6	27							33	91	65	21	67	304
Carmichael Irrigation District	16.0R	4-10 4-12 1-14	766	482	254	282	43		303	645	999	931	1100	964	6769
--FAIR OAKS BRIDGE--	19.0														
--BRIDGE STREET BRIDGE (OLD FAIR OAKS BRIDGE)--	19.2														
--GAGING STATION - AMERICAN RIVER AT FAIR OAKS--	21.4R														
AMERICAN RIVER															
Total			2347	1899	1744	1982	1553	1800	2683	4353	5263	6266	6438	5307	41635
Average Cubic feet per second			38	32	28	32	28	29	45	71	88	102	105	89	58
Monthly use in percent of seasonal			5.6	4.6	4.2	4.8	3.7	4.3	6.4	10.5	12.6	15.0	15.5	12.8	

\# Station located on bridge near left bank.
a This diversion will not be measured after this irrigation season due to a cutback in diversion program.

TABLE B-7 (Cont.)

DIVERSIONS - PUTAH CREEK*
October 1968 through September 1969

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						NO DIVERSION							
Cowell Foundation	1.3R	1-12							58	136	167	193	154		708
Cowell Foundation	1.6R	1-12							51	47	68	162	2		330
Mary Jane Hamel Estate	2.7R	a 1-10 1-16								210	246	185	147		788
Mary Jane Hamel Estate	2.8L	1-8 a 1-16								68	71	139	26		304
Dow Chemical Company	2.85R	b 1-4						NO DIVERSION							
Dow Chemical Company	2.9R	b 1-4						NO DIVERSION							
Dow Chemical Company	3.5R	b 1-4						NO DIVERSION							
Dow Chemical Company	3.7R	b 1-4						NO DIVERSION							
--COUNTY LINE ROAD BRIDGE	3.8														
W. E. Hansen	3.8R	a 1-6						NO DIVERSION							
W. E. Hansen	4.3L	1-8							41	56	66	53			216
W. B. & P. W. Schoeningh	4.8R	1-15							29	83	69	60	31		272
--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						NO DIVERSION							
J. R. and Cornelia S. Phillips	12.65R	1-6						NO DIVERSION							
--GAGING STATION - PUTAH CREEK ABOVE DAVIS--	12.8#														
--STEVENSON ROAD BRIDGE--	12.8														
B. S. Wolfe, Jr.	13.1L	1-5						NO DIVERSION							
W. Lider	13.3L	1-1 1/2								1	1	2	2		6
Fentzling Ranch	13.9L	1-7						NO DIVERSION							
Chew Brothers	14.5L	1-12							150	171	111	108			540
--GAGING STATION - PUTAH CREEK BELOW WINTERS (BOYCE ORCHARD)	17.0R														
Eyvind M. Faye	17.1R	1-6								62	111	116			289
A. C. A. Orchards	19.3L	1-4								1	7	82	3		93
--SOUTHERN PACIFIC RAILROAD BRIDGE--	19.9														
--COUNTY ROAD BRIDGE--	19.9														
Alfred Manas	20.1R	a 1-5									1	2			3
H. M. Brusseau	20.9R	1-1 1/2						NO DIVERSION							
--PUTAH DIVERSION DAM--	22.6														
--PUTAH SOUTH CANAL--	22.6R														
W. Tufts	22.85L	1-6	1	1					34	13	3	81	13	10	156
Jack and Grace Fay	24.0	1-3								1		4	1	2	8
--COUNTY ROAD BRIDGE--	24.0														
Paul J. Childs	24.0L	1-3	2	7	3				13	14	12	16	18	11	96
Casimir Tanski	24.0L	1-1 1/2							2	5		3	6	2	18
Hugh Goddard	24.9R	1-3		14					6	29	19	33	38	8	147
Hugh Goddard	25.2R	1-2 1/2								7		10	6	1	24
Fred Ranadell c	25.6R	d 1-3								6		18	1	15	40
Fred Ranadell c	25.8R	d 1-3								14			19	1	34
--GAGING STATION - PUTAH CREEK NEAR WINTERS--	27.8L														
Samuel S. Silvey	28.6L	1-2								1	1	1	1		4
Samuel S. Silvey	28.7L	1-2 1/2						NO DIVERSION							
Samuel S. Silvey	28.75L	1-1 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			3	22	3	0	0	0	384	925	953	1268	468	50	4076
Average cubic feet per second			0	0	0	0	0	0	6	15	16	21	8	1	6
Monthly use in percent of seasonal			0.1	0.5	0.1	0.0	0.0	0.0	9.4	22.7	23.4	31.1	11.5	1.2	

Diversion data shown on this table are furnished by the U.S.B.R.
* 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 Formerly listed as Mrs. Dorothy Adams and Hanford B. Sackett.
d 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 1968 through September 1969

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,b	30.5L	1-18	28							291	192	167	250	132	1060
Peter Gambetta c,d	36.5L	2-6	14						10		95	66	69	14	268
East Contra Costa Irrigation District e	36.5L	1-18 3-24 2-30	1030	19					1370	6610	6200	6850	7360	3080	32519
--STATE HIGHWAY 4 BRIDGE--	38.8														
Byron-Bethany Irrigation District f	40.9L		1500					39	2170	6430	5850	6580	7570	3770	33909
--STAGE STATION - OLD RIVER AT CLIFTON COURT FERRY--	44.0L														
--DELTA MENDOTA CANAL--	44.6L														
M. R. Furtado g	44.6L	1-14	44						44	314	309	350	339	185	1585
Fred Draper d,h	44.7L	1-8	5						3	38	32	54	39	39	210
William M. Ralph	45.3L	1-12	126						115	185	289	331	288	138	1472
Bankhead Enterprises i	47.2L	1-16	106							41	118	24	27	6	322
Bankhead Enterprises i,j	47.2L	1-14						NO DIVERSION							
Johnnie L. Costa d,g	47.65L	1-8								78	35	58	94	40	305
West Side Irrigation District g	47.65L	1-10 7-15 1-18	1440	71					2780	5800	5670	6720	6260	4120	32861
Vance Brown	48.4L	1-12							19	91	76	107	98	57	448
Naglee Burke Irrigation District	48.6L	1-14									70		90		160
Sallee Brothers d	49.5L	1-4						NO DIVERSION							
Naglee Burke Irrigation District	50.1L	1-18							620	51	610	601	535	484	2901
Naglee Burke Irrigation District	50.4L	1-16 1-18	289						481	1250	1710	1720	1850	1150	8450
Fremont Irrigation Association	50.9L	1-16	5		49			7	268	195	234	216	295	73	1342
John Rocha d,k	51.0L	1-10												28	28
Arthur Casserini d	51.2L	1-10								12	22	25	12		71
E. Platti, J. Goulardt, T. Silveira, and A. Galli d	52.4L	1-10	1						9	19	22	26	22	10	109
--TRACY ROAD BRIDGE--	52.8														
--STAGE STATION - OLD RIVER NEAR TRACY ROAD BRIDGE--	52.8R														
A. L. Galli d	53.0L	1-8						NO DIVERSION							
--MOUTH OF TOM PAINE SLOUGH--	54.3L														
OLD RIVER Total			4588	90	49	0	0	46	7889	21405	21534	23895	25198	13326	118020
Average Cubic feet per second			75	2	1	0	0	1	133	348	362	389	410	224	323
TOM PAINE SLOUGH	**														
Independent Mutual Water Corporation and Company	0.7S	2-18		2	50			101	280	738	513	828	454	231	3197
Independent Mutual Water Corporation and Company	1.5S	1-18						20	77	66	69	135	156	8	531
--HOLLY SUGAR CORPORATION DREDGER CUT--	2.1S														
George J. Lake d	8 (0.5W)	1-10							37	42	57	76	93		305
Holly Sugar Corporation d	8 (1.2W)	1-14						NO DIVERSION							
Holly Sugar Corporation d	8 (1.35W)	1-12	372	360	204			132	360	372	360	156	264	360	1 2940
--STAGE STATION - TOM PAINE SLOUGH ABOVE MOUTH--	2.2S														
--MACARTHUR DRIVE BRIDGE--	2.7														
Pescadero Reclamation District 2058 (#1)	2.9S	1-12	2						130	103	144	193	170	36	778

TABLE B-7 (Cont.)

DIVERSIONS - DELTA UPLANDS (CONT.)
(Old River, Tom Paine Slough, and French Camp Slough) (Cont.)
October 1968 through September 1969

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.	
TOM PAINE SLOUGH (Contd.)															
--LAUREL AVENUE BRIDGE--	3.7														
Frank Bastian	4.3S	1-8									1				1
--PARADISE ROAD BRIDGE--	6.0														
Pescadero-Reclamation District 2058 (#3)	6.3S	1-14 1-16 1-20	372	388	271	220	264	309	1240	2660	1990	2900	2870	1430	14914
--MAPLE AVENUE BRIDGE--	7.0														
Pescadero Reclamation District 2058 (#5)	8.3S	1-12	63						68	182	252	269	158	118	1110
--CALIFORNIA AVENUE BRIDGE--	8.8														
Pescadero Reclamation District 2058 (#6)	9.0N	1-16 1-18	26						108	349	236	384	221	173	1497
TOM PAINE SLOUGH Total			835	750	525	220	264	562	2300	4512	3621	4941	4386	2356	25272
Average cubic feet per second			14	13	9	4	5	9	39	73	61	80	71	40	35
FRENCH CAMP SLOUGH	***														
Carolyn Weston	1.05L	1-12						1	36	49	61	90	45	1	283
Carolyn Weston	1.4L	1-7									39	36	43	49	167
Carolyn Weston	1.45L	1-6	34								99	19	80	64	296
--FRENCH CAMP TURNPIKE--	2.0														
Frank West	2.2L	1-10							76	317	307	382	246	174	1502
Manuel E. Granados d	2.3R	1-3						PLANT REMOVED							
Robert L. Bordenave d	2.8R	1-8						NO DIVERSION							
Frank West	3.0L	1-10									57	26	22		105
Title Ins. & Trust Company d,m	3.3L	1-5						NO DIVERSION							
Tom Gomes d	3.4L	1-4						NO DIVERSION							
--U. S. 50 HIGHWAY BRIDGE--	3.45														
--SOUTHERN PACIFIC RAILROAD BRIDGE--	3.6														
L. Bascom d,n	3.8L	1-8						NO DIVERSION							
Robert L. Bordenave d	3.8R	1-12						NO DIVERSION							
--WESTERN PACIFIC RAILROAD BRIDGE--	4.1														
--GAGING STATION - FRENCH CAMP SLOUGH NEAR FRENCH CAMP--	5.4#														
FRENCH CAMP SLOUGH Total			34	0	0	0	0	1	112	366	563	553	436	288	2353
Average cubic feet per second			1	0	0	0	0	0	2	6	9	9	7	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.
8 Holly Sugar Corporation dredger cut joins Tom Paine Slough at Mile 2.1S. Distance along dredger cut and bank is shown in parentheses.
\# Station located on bridge at or near center of stream.
a Formerly listed as John A. Bettencourt.
b Rock Slough joins Old River at Mile 30.5L. Pumping Plant is located on intake canal which joins Rock Slough.
c Formerly listed as Peter Combeta.
d This diversion will not be measured after this irrigation season, due to a cut back in the diversion program.
e Indian Slough joins Old River at Mile 36.5L. Pumping plant is located on intake canal which joins Indian Slough.
f Italian Slough joins Old River at mile 40.9L Pumping plant is located on the Delta Pumping Plant Intake Canal which joins Italian Slough.
g Plant is located on intake canal which joins Old River at this mile.
h Formerly listed as Al Spotorno.
i Plant is located on Mountain House Creek which joins Old River at this mile.
j Formerly listed as Lucio J. Costa.
k Formerly listed as Joe M. Freitas.
l Includes an undetermined amount of spill to the river.
m Formerly listed as Tom Gomez.
n Formerly listed as Milton G. Boege.

TABLE B-7 (Cont.)

DIVERSIONS - DELTA UPLANDS (CONT.)
(San Joaquin River - Stockton to Vernalis)
October 1968 through September 1969

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								20		13		16	49
Carolyn Weston	46.3R	1-12								71	58	117	114	50	410
Bob Blewett a	46.65R	1-10								40	36	36	37		149
Frank West	46.85R	1-10								59	99	81	51	51	341
F. Asano a	47.2R	1-6								28	10	13	11	2	64
Gertrude La Baume a	47.3R	1-10								19		14			33
C. C. Long a	47.55R	1-10							43	214	225	274	238	104	1098
Waldo C. Haack	48.0R	1-14							144	206	36	153	66		605
Waldo C. Haack	48.1R	1-14								203	162	153	375		893
Chow L. Young a	48.3R	1-6									11	11	11		33
Joe Calcagno a	48.5R	1-8	18							64	61	40	61	16	260
C. J. Pregno a	48.55R	1-6						NO DIVERSION							
John Calcagno	48.66R	1-12							223	55	34	126	33	75	546
Alfred Rodgers	49.0R	1-12	34							88		49	32		203
Ray Muller	49.3R	1-14	7						151	280	246	332	257	149	1422
Ray Muller	49.5R	1-12							17						17
A. A. Rodgers a	50.1R	1-10						1		66	14	56	30	1	168
--STAGE STATION - SAN JOAQUIN RIVER AT BRANDT BRIDGE--	50.2#	50.2#													
A. Hirata a	50.4R	1-10							68	28	56	99	78	25	354
Ben Watanabe, et al a,b	50.6R	1-6		2				4	62	28	21	26	25	35	203
M. Toscano a,c	50.8R	1-6							10	26	7	15	17	9	84
Pestorino Brothers	50.9R	1-12								6	73	62	73	16	230
Irvan Muller a	51.2R	1-12							24	24	18	46	32	10	154
W. B. Burchell d	51.6R	1-10					17	21	8	38	25	25	32	12	178
Barbary Coast Company a	52.4R	1-5										2	1		3
E. P. Valla a	52.65R	1-10						NO DIVERSION							
J. Widmer	53.2R	1-16							83	87	224	311	267	149	1121
J. Widmer	53.45R	1-12							8	22	25	62	60	21	198
J. Widmer a,e	53.5R	1-8								17		35	49	2	103
John Caparra a	53.6R	1-4	1							2	5	7	17	4	36
J. Romo and B. Andaya	53.7R	1-14	31		11				14	180	184	216	228	113	977
I. N. Robinson, Jr.	53.8R	1-14	66							114	92	237	155	48	712
H. N. Hansen, H. C. Hansen and William Giger	54.9R	1-8	57							178	171	166	171	141	884
--JUNCTION WITH OLD RIVER--	56.2L														
Silviera, Joaquin W. & B. O. f	57.0R	1-14	104								203	195	413	36	951
Ernest Wennhold and Roy Tholke a	57.15R	1-7						NO DIVERSION							
Vernon Ratto a	57.39R	1-8											21		21
Andrew B. Calori a	57.45R	1-6										19	10		29
G. Cardella a	57.5R	1-4								1	6	3	2	1	13
A. Queirolo a	58.6R	1-4											1	12	13
Tony Mauro a	58.7R	1-6											5		5
--SOUTHERN PACIFIC RAILROAD BRIDGE--	58.8														
--STAGE STATION - SAN JOAQUIN RIVER AT MOSSDALE BRIDGE--	58.9R														
--U. S. 50 HIGHWAY BRIDGE--	58.9														
Libby, Owens, and Ford a	59.25R	1-6						NO DIVERSION							
R. H. Brown	59.3R	1-18								164	50	96	132		442
Father Flanagan's Boys Home g	59.5L	1-14	14							23		130	113	6	286
--WESTERN PACIFIC RAILROAD BRIDGE--	59.5														
R. R. Brown h	60.1R	1-4								20	23	34	42	31	150
G. M. Baird h	60.1R	1-16						57	435	67	170	252	243	83	1307
Kenneth H. Windeler i	60.5L	1-16								4		63	73	79	219

TABLE B-7 (Cont.)

DIVERSIONS - DELTA UPLANDS (CONT.)
(San Joaquin River - Stockton to Vernalis) (Cont.)
October 1968 through September 1969

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.	
E. Picchi and Son	60.8R	1-8									74		28	14	116
E. Picchi and Son	61.4R	1-12		182	371						69		84	21	727
Joe M. Lourence, Jr. a,j	62.0R	1-8						NO DIVERSION							
Bernice Von Sosten a	62.0L	1-12								65	75	86	108	95	429
--PARADISE DAM (HEAD OF PARADISE CUT)--	62.2L														
Paradise Mutual Water Company	k 62.2L	1-14 1-20	164	56					329	331	225	513	615	116	2349
G. Eldon Everett	63.3L	2-20	84						332	1250	966	1090	1120	725	l 5567
State of California	63.3L	1-14	20						109	201	308	380	358	134	1510
H. H. Grimes a	63.6R	1-12			196	84									280
G. Eldon Everett	63.7L	1-10										15	43	34	92
Alexander Hildebrand a	66.0R	1-14	24									20	41	31	116
Johnnie J. Silva a	66.7L	1-16		112									65	67	244
K-C Ranch a	66.8R	1-16						NO DIVERSION							
Banta Carbona Irrigation District	67.5L	2-10 2-16 2-20 3-24 1-36	1162	128				70	5831	9205	6220	8234	6700	3207	40757
Clinton Dairy Ranch a,m	68.2R	1-10	70										38		108
Clinton Dairy Ranch a,m	68.4R	1-14											35	73	108
San Joaquin River Water Users Company	69.5R	1-16										128	140	178	446
R. M. West o	70.0L	1-10	98												98
San Joaquin River Water Users Company	71.0R	2-16	45		77		253		84	89	133	558	757	991	2987
E. Filippini a	71.0R	1-4						NO DIVERSION							
A. J. Cardoza & Son	71.75R	1-16						NO DIVERSION							
Navarra Bros. River Ranch	71.9L	1-12						NO DIVERSION							
A. J. Cardoza & Son a	72.1R	1-10						NO DIVERSION							
Robertson and Sons	73.0L	1-8	75						85	4	109	193	108		691
H. Stanley Mortensen	73.2R	1-8 1-14										53	30	20	103
San Joaquin River Club	74.7L	1-8						NO DIVERSION							
E. A. Tassi	75.6R	1-16										74	174	91	339
SAN JOAQUIN RIVER (Stockton to Vernalis) Total			2074	480	655	84	270	153	8060	13587	10524	14913	14020	7211	72031
Average cubic feet per second			34	8	11	1	5	2	135	221	177	243	228	121	99

* 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 This diversion will not be measured after this irrigation season, due to a cutback in the diversion program.
b Formerly listed as K. R. and F. Watanabe.
c Formerly listed as D. Toscano.
d Formerly listed as W. B. Herbert & Y. B. Lawrence.
e Formerly listed as Julio Lorenzo.
f Formerly listed as Oakwood Stock Farms.
g Formerly listed as Eugene T. Rossi, et al.
h Plant is located on Walthall Slough which joins the San Joaquin River at this mile.
i Formerly listed as A. F. Windeler.
j Formerly listed as Lester Bishofberger.
k Plant is located on Paradise Cut which joins the San Joaquin River at this mile.
l Includes an undetermined amount of spill to the river.
m Formerly listed as John Reamers.
o Formerly listed as Glenn M. West Estate.

TABLE B-7 (Cont.)

DIVERSIONS - DELTA UPLANDS (CONT.)
(Calaveras River*)
October 1968 through September 1969

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.	
Inman Realty Company	1.8L	1-12						NO DIVERSION							
M. Larson	2.1L	1-2						NO DIVERSION							
Clair E. Heitman	2.2L	1-4										1			1
E. P. Woelfel	2.35L	1-3						NO DIVERSION							
Weiershauser, Chirozo and Piccardo	2.5R	1-12	30								50	54	76	52	262
John Santa Maria	2.9L	1-4	1								2	7	2	2	14
--PACIFIC AVENUE BRIDGE--	3.7														
--SOUTHERN PACIFIC RAILROAD BRIDGE--	5.3														
--STOCKTON DIVERTING CANAL--	5.4L														
A. Toso a	6.2L	1-4								7	8	7	10	5	37
Armano Barosso	6.4R	1-7 1/2								16	14	16	11	12	69
A. Toso a	6.5L	1-6								8	9	7	10	5	39
--U. S. 50 and 99 HIGHWAY BRIDGE--	6.8														
--CHERRYLAND ROAD DAM--	7.3														
A. Vignolo and Son	7.3L	1-12							2	93	68	42	58	80	343
V. C. Blakley a	7.4L	1-2 1/2								3	7	9	7	2	28
J. L. Filipella a	7.6L	1-10									8	7	7		22
--CENTRAL CALIFORNIA TRACTION COMPANY RAILROAD BRIDGE--	7.9														
Oneto Bros.	7.7R	1-6								8	51	4	38	32	133
J. N. Sanguinetti	8.3L	1-6									11	5	11	3	30
Oneto Bros.	8.35R	1-6								16	20	18	34	18	106
A. V. Lagorio a	8.5L	1-6									24			9	33
--GAGING STATION - CALAVERAS RIVER NEAR STOCKTON--	8.8														
CALAVERAS RIVER Total			31	0	0	0	0	0	2	151	272	177	264	220	1117
Average cubic feet per second			1	0	0	0	0	0	D	2	5	3	4	4	2

* 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 This diversion will not be measured after this irrigation season, due to a cutback in the diversion program.

DIVERSIONS - DELTA UPLANDS
(Mokelumne River*)
October 1968 through September 1969

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									28	25	25	19	97
--FRANKLIN-THORNTON HIGHWAY BRIDGE--	4.9														
--COSUMNES RIVER--	5.0R														
--WESTERN PACIFIC RAILROAD BRIDGE--	5.4														
Manuel Lopes	6.0R	1-10								98	196	267	262		823
Manuel Lopes	6.6R	1-12								14	51	92	67		224
Thornton-Fry Ranches	6.9R	1-8						NO DIVERSION							
--GALT-THORNTON HIGHWAY-- BRIDGE--	7.0														

TABLE B-7 (Cont.)

DIVERSIONS - DELTA UPLANDS (CONT.)
(Mokelumne River*) (Cont.)
October 1968 through September 1969

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.	
Thornton-Fry Ranches	7.6R	2-12									820	1176	1169	467	3632
Thornton-Fry Ranches	8.1R	1-12						NO DIVERSION							
Albin G. Steffan	8.7R	1-12	32						99	141	97	256	152	94	871
J. L. Frandy	10.4L	1-12						NO DIVERSION							
Albin G. Steffan	10.6R	1-16	305						327	788	638	691	556	540	3845
Albin G. Steffan	12.7R	1-12	280						261	475	699	699	624	617	3655
Valley Hi Inn Inc. a,b	12.7L	1-6						NO DIVERSION							
W. G. Taddei b,c	14.2R	1-6						NO DIVERSION							
C. Blattler d	15.5R	1-4	3							16	10	12	14	11	66
W. G. Taddei b,c	15.6R	1-6								14	7	57	49		127
Mrs. Rose J. Linde b	16.8R	1-6									44	48	31		123
James Piazza b	17.4R	1-6									35	31	26	34	126
Warren Hargrave b	18.2L	1-7									10	25	27	7	69
--GAGING STATION - MOKELUMNE RIVER AT WOODBRIDGE--	19.2R														
--SACRAMENTO ROAD BRIDGE--	19.8														
--WOODBRIDGE IRRIGATION DISTRICT DAM--	19.9														
MOKELUMNE RIVER Total			620	0	0	0	0	0	687	1546	2635	3379	3002	1789	13658
Average cubic feet per second			10	0	0	0	0	0	12	25	44	55	49	30	19

* Diversions below the Woodbridge geging 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 Formerly listed as Edwards Holding Company.
b This diversion will not be measured after this irrigation season due to a cutback in the diversion program.
c Formerly listed as A. Taddei.

DIVERSIONS - DELTA UPLANDS
(Cosumnes River*)
October 1968 through September

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														
Jesse Crump a	0.2R	1-8								25	15	23	26	21	110
Jesse Crump a	0.3R	1-8								14	5	15	11	8	53
Jesse Crump a	0.8R (0.1N)	1-8	31							14	45	84	69	63	306
Charles Coldani	0.8R (0.3N)	1-12	11						1	44	52	62	52	42	264
Charles Coldani	0.8R (0.4N)	1-12	68	53						6	10	21	17		175
Charles Coldani	0.8R (0.5N)	1-10							4	7		30	27		68
Charles Coldani	0.8R (0.8N)	1-12		282						340	306	423	453	249	2053
Nicolaus Ranch	1.9R	2-16	323	2				556	313	423	657	808	657	492	4231
Kenworthy and Patterson	2.0L	1-30							106	251	259	326	368	184	1494
A. H. Watson a	2.8L	1-7						NO DIVERSION							
--STATE HIGHWAY 104 BRIDGE--	5.3														
Fred G. Cary a	6.0L	1-3						NO DIVERSION							
John G. Belcher a	9.8R	1-16							129	120	99	136			484
Jack Lewis a	10.5R	1-8		18								10			28
--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			433	355	0	0	0	556	553	1244	1448	1938	1680	1059	9266
Average cubic feet per second			7	6	0	0	0	9	9	20	24	32	27	18	13

* Diversions below the McConnell Gaging Station are considered as Delta Uplands diversions. Tidal effect ceases at about Mile 3.5.
a This diversion will not be measured after this irrigation season due to a cutback in the diversion program.
\# Station located on bridge at or near center of stream.

TABLE B-7 (Cont.)

DIVERSIONS - DELTA UPLANDS (CONT.)
(Sacramento River below Sacramento*)
October 1968 through September 1969

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														
John Lira a	13.0R	1-6						NO DIVERSION							
C. A. Beach a	45.2L	1-12								26	181	161	66	31	465
W. and B. Correa a	45.5L	1-10									16	55	36		107
Hack and Forsythe a	45.75L	1-6								30	46	40	20	22	158
A. J. Sweeney a	45.95L	1-10									47	53	37		137
--FREEPORT BRIDGE--	46.0														
Freeport Development Company	46.25L	1-8	2							154	123	140	150	11	580
L. J. Dee a	46.8L	1-10								36	18	77	54	24	209
L. G. Klotz	47.3L	1-8							11	102	69	85	80	88	435
E. A. Franklin a	47.5L	1-8									79	20			99
Tony Dutra a,b	47.7L	1-6									28	16			44
M. A. Richardson a	53.7L	1-6"						NO DIVERSION							
City of Sacramento	56.0L	3-14	405												405
--TOWER BRIDGE - SACRAMENTO--	59.0														
SACRAMENTO RIVER BELOW SACRAMENTO															
Total			407	0	0	0	0	0	11	348	607	647	443	176	2639
Average cubic feet per second			7	0	0	0	0	0	0	6	10	11	7	3	4

* Mileage above Chain Island.
a This diversion will not be measured after this irrigation season, due to a cutback in the diversion program
b Formerly listed as George Coleman

DIVERSIONS - DELTA UPLANDS
(Yolo Bypass - West Cut*)
October 1968 through September 1969

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)	1-14						NO DIVERSION							
H. L. Sorenson	4.2R (1.9)	1-14	127								126	169	267	164	853
Mounds Farms	4.2R (2.0)	2-12	201	27	25						156	114	204	233	960
H. L. Sorenson	4.2R (2.0)	1-16	175						72	93	151	182	182	219	1074
Yolo Flyway Farms	5.7R (0.9)	1-18	572	247	143	51								218	1231
Cal Farms Inc. & Yolo Basin Farms Inc. a	5.7 (1.0)	1-16												137	137
R. S. W. Ranch	5.7R (1.5)	1-16	435	44	229	11				431	583	589	550	518	3390
Yolo Basin Farms	6.75R (0.6)	1-16	258	72	86	24			12		36	19	128	163	798
Lucky Five Farms	6.75R (0.7)	1-16	199	11	5					216	287	211	281	161	1371
C. C. Impey	7.85R (0.2)	1-16	260	176	49				17	34	47	99	185	127	994
Florence R. and Lillian E. Swanston	7.87R (0.7)	1-16											9	9	18
Florence R. and Lillian E. Swanston	7.87R (1.6)	1-16	376	3					80	378	361	308	445	195	2146
G. A. Pope	7.87R (2.0)	1-14	124	5					102	243	171	289	265	172	1371
G. A. Pope	7.87R (2.4)	1-14	71						109	232	190	305	254	176	1337
G. A. Pope	7.87R (2.6)	1-14 1-16	255	2					21	557	540	552	516	358	2801
Florence R. and Lillian E. Swanston	9.1R	1-18	307	307						274	290	80	68	82	1408
T. S. Glide	10.9R (0.1)	1-20	462	68						54	290	590	81	1030	2575
T. S. Glide b	11.0R	c 1-20									100	116			216
T. S. Glide b	12.4R	c 1-16									176	147			323
T. S. Glide b	12.9R	c 1-14									162	108			270
T. S. Glide b	13.15R	c 1-16						NO DIVERSION							

TABLE B-7 (Cont.)

DIVERSIONS - DELTA UPLANDS (CONT.)
(Yolo Bypass - West Cut*) (Cont.)
October 1968 through September 1969

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.	
--SACRAMENTO NORTHERN RAILROAD BRIDGE--	13.2														
T. S. Glide b	13.5R	c,d 1-6									56	56			112
T. S. Glide b	13.9R	c 1-30										186	160		e 346
T. S. Glide b	14.4R	c 1-16						NO DIVERSION							
T. S. Glide b	14.8R	c 1-30										465	400		e 865
T. S. Glide b	14.8R (0.2)	c 1-16						NO DIVERSION							
T. S. Glide b	14.8R (0.3)	c 1-14						NO DIVERSION							
T. S. Glide b	14.8R (1.0)	c 1-16						NO DIVERSION							
Cowell Foundation	17.1R (0.7)	1-20								5	40	122	70		237
Cowell Foundation	17.1R (1.4)	3-20 1-30	421	24	170				466	442	1770	3230	2460	847	9830
T. S. Glide b	18.6R	1-36						NO DIVERSION							
--U. S. 40 and 99W CAUSEWAY--	20.1														
TOLO BYPASS - WEST CUT Total Average cubic feet per second			4243 69	986 17	707 11	86 1	0 0	0 0	879 15	2959 48	5532 93	7937 129	6525 106	4809 81	34663 48

* Mileage above Prospect Island.
a New installation in 1969.
b This diversion will not be measured after this irrigation season, due to a cut back in the diversion program.
c This is a portable unit.
d Replaces a 16" unit.
e Quantity determined by consumptive use method.

DIVERSIONS - DELTA UPLANDS
(Putah Creek*)
October 1968 through September 1969

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.	
T. S. Glide	0.8L	a 1-14						NO DIVERSION							
Cowell Foundation	1.3R	1-12							58	136	167	193	154		708
Cowell Foundation	1.6R	1-12							51	47	68	162	2		330
Mary Jane Hamel Estate	2.7R	1-10 a 1-16								210	246	185	147		788
Mary Jane Hamel Estate	2.8L	1-10 a 1-16								68	71	139	26		304
Dow Chemical Company	2.85R	b 1-4						NO DIVERSION							
Dow Chemical Company	2.9R	b 1-4						NO DIVERSION							
Dow Chemical Company	3.5R	b 1-4						NO DIVERSION							
Dow Chemical Company	3.7R	b 1-4						NO DIVERSION							
--COUNTY LINE ROAD BRIDGE--	3.8														
W. E. Hansen	3.8R	a 1-6						NO DIVERSION							
W. E. Hansen	4.3L	1-8							41	56	66	53			216
W. B. & P. W. Schoeningh	4.8R	1-15							29	83	69	60	31		272
--GAGING STATION - SOUTH FORK PUTAH CREEK NEAR DAVIS--	7.2#														
PUTAH CREEK Total Average cubic feet per second			0 0	0 0	0 0	0 0	0 0	0 0	179 3	600 10	687 12	792 13	360 6	0 0	2618 4

Diversion data shown on this table are furnished by the U.S.B.R.
* These diversions are considered as part of the Delta Uplands. The diversions for the entire Putah Creek below Monticello Dam are shown on page 180.
\# Station located on bridge at or near center of stream.
a This is a portable unit.
b Portable unit used at miles indicated.

TABLE B-7 (Cont.)

DIVERSIONS - DELTA UPLANDS (CONT.)
(Miscellaneous Delta Uplands)
October 1968 through September 1969

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 Hernandez	2/6-17D	1-3								2	5	6	5		18
Denver Henderson	2/6-8N							PLANT	REMOVED						
Disappointment Slough															
H. Moffat and Elbon Land Company	2/6-6P	1-18							120	387	109	135	83	4	a 838
H. Moffat and Elbon Land Company	2/6-6J	1-14 b 1-10							124	202	318	326	371	161	1502
Telephone Cut															
E. V. Lang	3/5-26R	Gravity						PLANT	REMOVED						
Baldwin and Sanderson	3/5-35A	Gravity						PLANT	REMOVED						
Baldwin and Sanderson	3/5-25R	1-12 1-16						196	122	832	398	725	682	580	3535
Baldwin and Sanderson	3/5-36A	1-7 1/2							40	130	114	161	235	146	826
Baldwin and Sanderson	3/5-36B	1-12								38		73	141	27	279
E. V. Lang	3/5-36D	Gravity						PLANT	REMOVED						
E. V. Lang	3/5-36C	Gravity						PLANT	REMOVED						
Baldwin and Sanderson	3/5-36C	1-10								61	114	255	209	50	689
White Slough															
Bert Van Ruiten	3/5-25C	1-16	28	5	6			20	290	250	117	146	96	2	960
Bert Van Ruiten	3/5-26C	1-12						82	46	135	46	202	213	44	768
Hog Slough															
Robinson Farms	4/5-28B	Gravity	138	219	285	105				133	129	174	129	16	c 1328
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	125	94	71	17		33	121	179	310	289	293	253	1785
Beaver Slough															
Kooyman Bros. d	4/5-15C	1-15	72	9				1	47	125	53	183	170	96	756
Kooyman Bros. d	4/5-15D	1-18 Gravity	196	16					173	344	428	503	515	296	2471
Kooyman Bros. d	4/5-16A	1-14	239					24	98	204	411	362	185	239	1762
Canal Ranch	4/5-16B	1-16							30	147	107	138	118	142	682
Canal Ranch	4/5-16D	1-8						NO DIVERSION							
Burton Slough															
Clow and Rose	5/5-28D	1-10	3							12	15	28	27	18	103
Barnes Ranch e	5/5-29D	1-5 1-10						NO DIVERSION							
Clow and Rose	5/5-20K	1-8								24	29	25	93	19	190
Morse Brothers	5/5-16N	1-16	99						32	196	347	282	397	80	1433
Clow and Rose	5/5-15M-1	1-14	85						49	227	258	313	309	214	1455
Morse Brothers	5/5-15M-2	1-14	107						184	585	704	666	615	634	3495
Thomas B. Sharp	5/5-16J	1-12	15	4						84	82	93	89	67	434
East Dredger Cut - Snodgrass Slough															
H. E. Graf	6/5-31N	1-12								77	68	132	101	49	427
Alfred Kuhn	6/4-36Q	1-16								134	157	335	337	134	1097
Duck Slough Extension															
Isabella Wineman	6/2-26B	1-14	82					1	79	211	160	287	210	255	1285
Isabella Wineman	6/2-26D	1-12	62	1	1			1	21	123	132	134	153	106	734
Isabella Wineman	6/2-26J	1-14	146						178	300	282	355	334	235	1830
Haas Slough															
Elmira Farms	6/2-33H	1-12	88		34					62	71	58	69	78	460
Steve Wineman f	6/2-33A	1-12 1-16								4	2	34	93	53	186
Reclamation District 2068	6/2-34G	1-24 2-30 1-36	4210	290					2480	9750	9690	10400	9890	7430	54140

TABLE B-7 (Cont.)

DIVERSIONS - DELTA UPLANDS (CONT.)
(Miscellaneous Delta Uplands) (Cont.)
October 1968 through September 1969

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.	
Ervin E. Vassar	6/2-34P	1-16	218	76				79	28	200	221	203	198	135	1358
Cache Slough															
Carpenter Ranch	4/3-20B	1-12 Gravity	23						105	113	126	253	256	155	1031
Peter Cook g	4/3-20B	1-14								33	62	36	52	36	219
Harold D. Miller	5/2-4B	1-14	151					30	87	175	162	209	183	93	1090
Jack Parker	5/2-4K	1-12	27							151	101	102	100	73	554
Ervin E. Vassar	5/2-4K	1-20	166	12	6				7	305	392	362	422	287	1959
Calhoun Cut															
Vern Schmeiser	5/2-19J														h
Unsegregated															
Porter Estate Company	2/3-19E	1-16	16						12	22	45	32	32	3	i 162
City of Lodi	3/5-23L	1-10									53	41	19	50	163
R. C. Coldani	3/5-14L	1-15							66	24	145	164	165	48	612
R. C. Coldani	3/5-23F	1-18							44	87	86	157	124	24	522
A. Patane	4/5-34B	1-18							49	65	105	104	100	58	481
A. Patane	4/5-34L	1-12	2						29	91	93	118	88	63	484
Joe Cotta j	4/5-34Q	1-16	12						204	133	210	267	224	42	1092
H. L. Sorensen	6/3-18F	1-14			169					107	63	121	88	134	682
H. L. Sorensen	6/3-20J	1-16	242	34	23	11						219	178	73	780
H. L. Sorensen	6/3-19E	1-14	416	74	88					319	240	258	375	145	1915
H. L. Sorensen	6/3-19D	1-10	12							41	26	51	46	51	227
H. L. Sorensen	6/3-30D	1-14	346							406	222	368	225	131	1698
H. L. Sorensen	6/3-30L	1-16	240	41	9	30				256	253	295	305	250	1679
Reclamation District 2068	6/2-25P														k
Subirrigated l			51					47	59	66	85	95	81	59	543
MISCELLANEOUS DELTA UPLANDS															
Total			7641	887	696	163	0	523	4935	17565	17362	20293	19438	13349	102852
Average cubic feet per second			124	15	11	3	0	9	83	286	292	330	316	224	142
DELTA UPLANDS															
Total			20906	3548	2632	553	534	1841	25607	64275	64785	79465	75752	44583	384481
Average cubic feet per second			340	60	43	9	10	30	430	1045	1089	1292	1232	749	531
Monthly use in percent of seasonal			5.4	0.9	0.7	0.1	0.1	0.5	6.7	16.7	16.9	20.7	19.7	11.6	

* 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 spill.
b One 10" unit was installed in 1969.
c Includes an undetermined amount of Woodbridge I. D. Drainage water.
d Formerly listed as C. B. Orvis.
e This diversion will not be measured after this irrigation season, due to a cutback in the diversion program.
f New installation in 1969.
g Formerly listed as Carpenter Ranch.
h No record, lessee refused permission to enter property.
i Includes an undetermined amount of Marsh Creek water.
j Formerly listed as Cotta and Souza.
k Diversion in 1969 all controlled drainage water.
l Estimated consumptive use on lands in the Delta Uplands, considered as subirrigated from tidal channels during 1969 without a specific point of diversion.

TABLE B-7 (Cont.)

DIVERSIONS - MOKELUMNE RIVER *
Woodbridge Irrigation District Dam to Camanche Dam
October 1968 through September 1969

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	7210						7380	18680	19520	22390	20300	13090	108570
Arthur J. Hoffman	21.85R	1-10	2						4	12	6	13	11	6	54
C. H. Fillhardt	22.1R	1-6						NO DIVERSION							
V. P. Sperling	22.5R	1-5											19	4	23
Robert Peters a	23.03R	1-2 1-3							1	2	1	3	3	2	12
Cecil Humbert	23.4R	1-4								2	10	21	24		57
Tillie D. Sanguinetti	23.4L	1-3									2	1	3		6
--SOUTHERN PACIFIC RAILROAD BRIDGE--	23.6														
Mok-Loa Land Co.	24.0L	1-4									2	20	14		36
Mok-Loa Land Co.	24.12R	1-1 1/2	2							2	2	6	6	3	21
--HIGHWAY 99 BRIDGE--	24.2														
Marie Hallinan Estate	24.45L	1-5						NO DIVERSION							
Marie Hallinan Estate	24.5L	1-6								11	11	35	29		86
R. Vaccarezza and A. Barotti	24.8L	1-5	4												4
Ray A. Mettler	25.2R	1-10	9						6	6	26	37	15	12	111
--CENTRAL CALIFORNIA TRACTION COMPANY BRIDGE--	25.6														
W. F. Johnson	26.3L	1-4									8	4	9		21
Richard Wagers	26.35L	1-2									2	3	2	2	9
Nakagawa Brothers	26.9R	1-5	1									7	5		13
Irene C. Green	27.5L	1-5									8	9	35		52
Rose Linde	27.6L	1-8									8	5	2		15
Cranston and Burnheiser b	27.9L	1-10										158	9		167
Nakagawa Brothers	27.97R	1-8						NO DIVERSION							
Frankie G. Dick	28.5L	1-8						NO DIVERSION							
Frankie G. Dick	28.59L	1-6						NO DIVERSION							
Nakagawa Brothers	28.6R	1-6	9							16	23	45	25	13	131
Nakagawa Brothers	28.71R	1-4								8	8	8	8		32
W. E. Mehlhaff	29.9R	1-8									50	6			56
Emil Bender	30.0L	1-10						NO DIVERSION							
--BRUELLA ROAD BRIDGE--	30.0														
A. Knoll c	30.13L	1-8										6			6
V. W. Hoffman and Sons	30.15R	1-8								11	44	57	29	12	153
Nelson H. Davis	30.35R	1-6							7	48	11	19	13	3	101
J. J. Schmiedt Estate	30.95L	1-7										41	4		45
Leon Kirschenmann	31.0L	1-8									70	58	9		137
V. W. Hoffman and Sons	31.45R	1-5						NO DIVERSION							
Rosa D. Soucie	31.7L	1-5										34	2		36
John Graffigna Estate	31.8R	1-7										39	26		65
North San Joaquin Water Conservation District	32.3L	1-16 1-18 1-14	147					24	444	1620	1442	1771	1667	731	7846
R. Graffigna and A. Costa	32.33R	1-3 1-4						NO DIVERSION							
William J. Lange c	32.8R	1-1 1/2										1			1
L. J. Peterson	32.5L	1-5						NO DIVERSION							
Chester M. Locke	33.25L	1-10									48	87	76	45	256
Acampo Vineyards	33.45R	1-8						NO DIVERSION							
Acampo Vineyards	33.6R	1-8									46	62	10		118
Neil C. Locke	33.7L	1-12								4	123	207	145	3	482
T. and E. Schmierer	33.8R	1-4	2								4	5	7	1	19
R. T. McCarty	34.0L	1-8									33	65	75	72	245
Pritam Singh Dhaliwal	34.05R	1-4								21	5				26
Norman Knoll	34.1R	1-4							19	5	15	23	6		68

TABLE B-7 (Cont.)

DIVERSIONS - MOKELUMNE RIVER* (CONT.)
Woodbridge Irrigation District Dam to Camanche Dam (Cont.)
October 1968 through September 1969

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.	
Norman Knoll	34.3R	1-4							5	4	5	17	4	1	36
R. T. McCarty	34.34L	1-5								15	9	2	28		54
--ELLIOTT ROAD BRIDGE--	34.35														
J. Hull, J. Graham and T. Hess	34.5R	1-4								11	1	5	4		21
H. C. Russell	34.55L	1-10										5	13		18
Donald Smith	34.55L	1-1 1/2							1	1	1	1	1	1	6
Kenneth H. Beckman	34.6R	1-5						NO DIVERSION							
H. Bava, D. Panella and Dr. Barkett	34.75L	1-16									87	42	57		186
K. E. and J. Beckman	35.14R	1-16	18								28	21	26	28	121
Lincoln Chan	35.15R	1-6								31	55	113	79	1	279
Grizzly Hill Ranch	35.2L	1-8	8			1		1	1	22	54	48	39	16	190
Manuel Machado	35.4L	1-8								6	15	64	43	8	136
Lincoln Chan	35.5R	1-8	1												1
R. D. Mehlhaff	35.7L	1-6	38					3	31	24	52	89	66	28	331
R. D. Mehlhaff c	35.7L	1-8						NO DIVERSION							
I. H. Quessenberry	35.9L	1-7									21	19	47		87
Fred F. Sievers	36.0L	1-6										20	15		35
Lincoln Chan	36.2R	1-6	23									94	30	17	164
Ossie Parker	36.45L	1-12	46									116	124		286
J. R. Wiederrich, et al	37.15L	1-10								7	19	30	13		69
W. L. Moffat, et al	37.45R	1-8										23	51		74
W. L. Moffat, et al	37.65L	1-10										52			52
Maria Costa, et al	37.7R	1-12						NO DIVERSION							
Frank Luccheasi d	38.0L	1-6									40	42	47	30	159
Frank Lucchessi d	38.1L	1-8									79	48	50	38	215
Rudolph Sutter	38.3L	1-10						NO DIVERSION							
N. and C. Locke	38.5L	1-12											100		100
Clements Estate	39.0L	1-12	224						320	627	571	562	571	378	3253
H. S. Magee Estate	39.25L	1-5								6	6	8	8	5	33
--OLD CLEMENTS BRIDGE--	39.3														
L. and T. Deluca	39.59L	1-6						NO DIVERSION							
Mrs. Wakeham Clark	39.6L	1-6	4							4	5	12	20	19	64
J. N. Henry	39.9R	1-6									33	80	73		186
A. Teichert & Son, Inc.	40.32R	1-6						NO DIVERSION							
Bert Campbell	40.48L	1-3							7	14	23	24	18	17	103
Robert Simmons	40.52L	1-6								8	55	123	48	9	243
H. and M. Ostermann	40.53L	1-6								48	45	44	47	28	212
Charles Mehrten	40.72L	1-6	45									40	10	8	103
H. and E. Mason	40.83L	1-6								19	23	30	13	17	102
--HIGHWAY 88 BRIDGE--	41.00														
P. and N. Wright	41.14L	1-3									12		3	11	26
C. Fukuhara and R. Nakashima	41.14R	1-2 1-8	5							3	106	71	70	2	257
L. A. Rozzoni, Estate	41.40L	1-10									62	112	136		310
H. F. Lesage	41.50R	1-4						NO DIVERSION							
Clarence Jones	42.11R	1-8	9						12	21	24	33	26	24	149
Lawrence Putnam, Estate	42.24L	1-3							32	28	34	31	31	11	167

DIVERSIONS - MOKELUMNE RIVER* (CONT.)
Woodbridge Irrigation District Dam to Camanche Dam (Cont.)
October 1968 through September 1969

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.	
P. W. Olivera	42.66R	1-3	3							8	17	25	26	11	90
P. M. and U. L. Thorne	42.97L	1-4	3							3		8	10	8	32
P. M. and U. L. Thorne	42.99L	1-8	7						5		8	22	17	10	69
--CAMANCHE RECORDER--MOKELUMNE RIVER BELOW CAMANCHE DAM--	43.00														
P. W. Olivera	43.15R	1-4	2							7	14	14	27	10	74
--CAMANCHE DAM--															
MOKELUMNE RIVER (Woodbridge Irrigation District Dam to Camanche Dam)															
Totals			7822	0	0	1	0	28	8275	21398	23064	27346	24576	14663	127173
Average cubic feet per second			131	0	0	0	0	0	135	348	388	445	400	246	176
Monthly use in percent of seasonal			6.2	0.0	0.0	0.0	0.0	0.0	6.5	16.8	18.2	21.5	19.3	11.5	

* 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 185 and 186.

e Diversion based on information supplied by owner.

b Formerly listed as Alfred Joens.

c New Installation in 1969.

d Formerly listed as C. & F. Sanguinetti.

TABLE B-8

DELIVERIES FROM FOLSOM AND NIMBUS RESERVOIRS
October 1968 through September 1969

WATER USER		MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
		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		2110	1467	1049	1055	1100	1106	1219	1647	2008	2086	1952	1991	18790
Average cubic feet per second		34	25	17	17	20	18	20	27	34	34	32	33	26
Monthly use in percent of seasonal		11.2	7.8	5.6	5.6	5.8	5.9	6.5	8.8	10.7	11.1	10.4	10.7	
San Juan Suburban Water District a														
Total acre-feet		2801	1424	1288	1190	1087	1432	1981	4338	4641	5595	5424	4229	35430
Average cubic feet per second		46	24	21	19	20	23	33	71	78	91	88	71	49
Monthly use in percent of seasonal		7.9	4.0	3.7	3.4	3.1	4.0	5.6	12.2	13.1	15.3	15.3	11.9	
State of California a														
Total acre-feet		138	111	110	109	104	116	120	129	160	194	209	174	1674
Average cubic feet per second		2	2	2	2	2	2	2	2	3	3	3	3	2
Monthly use in percent of seasonal		8.2	6.6	6.6	6.5	6.2	6.9	7.2	7.7	9.6	11.6	12.5	10.4	

TABLE B-9

IMPORTATIONS INTO NORTHEASTERN CALIFORNIA
October 1968 through September 1969

WATER USER		MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
		OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
							TRINITY RIVER							
Clear Creek Powerplant a														
Total acre-feet		44180	48360	50320	23250	17230	17180	18220	91560	217930	173590	171230	163510	1036560
Average cubic feet per second		718	813	818	378	310	279	306	1489	3662	2823	2785	2748	1432
Monthly use in percent of seasonal		4.3	4.7	4.8	2.2	1.7	1.7	1.8	8.8	21.0	16.7	16.5	15.8	

TABLE B-10

EXPORTATIONS FROM NORTHEASTERN CALIFORNIA
October 1968 through September 1969

WATER USER		MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
		OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
							MOKELUMNE RIVER							
East Bay Municipal Utility District b														
Total acre-feet		16641	15581	12066	13364	15390	13236	16150	16302	18351	22149	22127	18316	199670
Average cubic feet per second		271	262	196	217	277	215	271	265	308	360	360	308	276
Monthly use in percent of seasonal		8.3	7.8	6.0	6.7	7.7	6.6	8.1	8.2	9.2	11.1	11.1	9.2	
							PUTAH CREEK							
Putah South Canal a														
Total acre-feet		24982	962	758	1478	1373	2463	7720	27899	31133	33818	27917	18311	178810
Average cubic feet per second		406	16	12	24	25	40	130	454	523	550	454	308	247
Monthly use in percent of seasonal		14.0	0.5	0.5	0.8	0.8	1.4	4.3	15.6	17.4	18.9	15.6	10.2	
							CACHE SLOUGH							
City of Vallejo c														
Total acre-feet		1334	859	1102	713	655	753	884	1357	1334	1425	1422	1363	13201
Average cubic feet per second		22	14	18	12	12	12	15	22	22	23	23	23	18
Monthly use in percent of seasonal		10.1	6.5	8.3	5.4	5.0	5.7	6.7	10.3	10.1	10.8	10.8	10.3	
							OLD RIVER							
Contra Costa Canal a														
Total acre-feet		9201	6800	5404	3712	3329	3282	4377	6665	6719	9450	10852	8317	78108
Average cubic feet per second		150	114	88	60	60	53	74	108	113	154	176	140	108
Monthly use in percent of seasonal		11.8	8.7	6.9	4.8	4.3	4.2	5.6	8.5	8.6	12.1	13.9	10.6	
Delta-Mendota Canal a														
Total acre-feet		233010	136630	67960	177210	166450	135610	112160	134460	112450	166180	268420	133420	1843960
Average cubic feet per second		3784	2296	1105	2882	2997	2205	1887	2187	1890	2703	4365	2242	2547
Monthly use in percent of seasonal		12.6	7.4	3.7	9.6	9.0	7.4	6.1	7.3	6.1	9.0	14.6	7.2	
							ITALIAN SLOUGH							
California Aqueduct														
Total acre-feet		142256	156534	158159	172496	91543	70267	74540	59932	29220	32337	34163	10536	1031983
Average cubic feet per second		2314	2631	2572	2805	1648	1143	1253	975	491	526	556	177	1425
Monthly use in percent of seasonal		13.8	15.2	15.3	16.7	8.9	6.8	7.3	5.8	2.8	3.1	3.3	1.0	

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.

TABLE B-11

DAILY MEAN GAGE HEIGHT

TABLE B-11

DAILY MEAN GAGE HEIGHT

(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1969	A21010	SACRAMENTO RIVER AT KESWICK

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	12.68	11.28	10.72	8.31	18.10	16.02	10.49 *	13.98	15.78	15.75	14.60	14.58	1
2	12.06	11.40	10.72	7.87	16.13	14.57	10.50	13.95 *	15.79	14.66	14.59	14.59	2
3	12.02	11.45	10.74	7.32	15.10	14.53	9.77	13.97	15.64 *	14.64	14.60	14.15	3
4	11.65	11.45	10.74	7.30	15.12	14.54	9.78	13.97	15.78	14.64	14.59	13.62	4
5	11.65	11.46	10.74	7.25	15.12	13.88	10.53	13.98	15.79	14.64	14.39	12.94	5
6	11.64	11.50	10.73	7.21	15.16	13.11	10.51	13.98	15.79	14.65	14.58	12.78	6
7	11.65	11.55	10.74	7.18	15.13	11.90	10.49	13.98	15.79	14.53 *	14.58	12.79	7
8	11.66	11.55	10.75	7.15	15.28	11.91	10.50	13.98	15.79	14.64	14.58	12.79	8
9	11.64	11.50	10 74	7.16	16.94	11.91	10.50	13.99	15.79	14.61	14.58	12.78	9
10	11.66	11.45	10.96	7.15	17.30	11.85	10.49	13.99	15.79	14.59	14.58	12.74	10
11	11.82	11.45	10.75	7.35	22.37	11.03	10.50	13.98	15.78	14.59	14.58	12.78	11
12	11.86	11.38	9.90	8.91	25.02	10.62	10.49	14.31	15.76 *	14.59	14.58	12.78	12
13	11.86	11.22	9.89	10.11	25.07	10.60	10.49	14.95	15.75	14.59	14.58	12.79	13
14	11.85	11.17	9.98	9.70	25.08	10.54	10.49 *	15.59 *	15.75	14.59 *	14.58	12.71	14
15	11.85	10.82	10.03	10.37	25.06	10.17	10.48	13.93	15.75	14.59	14.58	12.78	15
16	11.85	10.76	9.93	10.34	25.07	10.15	9.79	16.88	15.74	14.59	14.58	12.78	16
17	11.86	10.74	9.90	10.33	25.03	9.50	10.52	16.87	15.73	14.59	14.58	12.78	17
18	11.86	10.73	9.48	10.32	25.08	10.30	10.51	16.87	15.74	14.59	14.59	12.78	18
19	11.85	10.74	9.45	10.42	25.08	10.45	10.51	16.87	15.74	14.60	14.58	12.79	19
20	11.85	10.82	9.43	12.48	24.62	10.48	10.51	16.88	15.75	14.60	14.58	12.78	20
21	11.85	10.76	9.45	21.77	21.52	10.47	10.70	16.88	15.75	14.59	14.58	12.79	21
22	11.85	10.75	9.45	27.32	18.97	10.46	11.16	16.64	15.75	14.59	14.58	12.78	22
23	11.85	10.73	9.45	27.31	18.91	10.47	12.41	16.37	15.74	14.60	14.58	12.78	23
24	11.85	10.74	9.51	27.31	18.60	10.46	12.76	16.39	15.75	14.60	14.58	12.79	24
25	11.86	10.73	9.58	27.32	16.74	10.48	12.75	16.38	15.75	14.60	14.58	12.78	25
26	11.85	10.74	9.55	27.31	16.05	10.48	13.40	16.37	15.75	14.60	14.58	12.79	26
27	11.85	10.74	9.03	27.31	16.05	10.48	13.43	16.38	15.75	14.60	14.58	12.79	27
28	11.86	10.74	9.18	27.27	16.25	10.49	13.39	16.38	15.74	14.59	14.59	12.78	28
29	11.85	10.73	8.98	22.40		10.50	13.37	16.39	15.74	14.59	14.58	12.79	29
30	11.85	10.76	8.89	21.15		10.48	13.96	16.10	15.45	14.60	14.59	12.79	30
31	11.85		8.88	20.84		10.49		15.77		14.59	14.58		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
1-21-69	1700	27.92									

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
			54000	27.59	12/27/64			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 6,710 sq. mi.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT

(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1969	A02788	SACRAMENTO RIVER ABOVE BEND BRIDGE NEAR RED BLUFF

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	4.12	3.24	3.27	3.75	12.87	NR	6.04	6.97	7.70	6.93	5.84	NR	1
2	3.64	3.26	3.32	3.78	11.35	NR	5.74	6.88	7.70	6.50	5.83	NR	2
3	3.48	3.58	3.21	4.04	9.90	NR	5.37	6.83	NR	6.16	5.83	NR	3
4	3.26	3.47	3.18	4.22	9.55	10.10	4.94	6.74	7.61	6.16	5.82	5.15	4
5	3.10	3.32	3.17	4.12	11.85	9.45	6.35	6.68	7.57	6.15	5.80	4.67	5
6	3.11	3.26	3.15	3.73	NR	8.42	7.34	6.72	7.56	6.14	5.81	4.35	6
7	3.09	3.28	3.14	3.42	NR	7.55	5.92	6.91	7.52	6.13	5.80	NR	7
8	3.06	3.25	3.23	3.06	NR	7.00	5.49	7.00	7.49	6.12	5.81	NR	8
9	3.06	3.27	3.33	2.73	NR	6.79	5.32	7.10	7.54	6.09	5.82	4.35	9
10	3.06	3.29	8.68	2.52	NR	6.64	5.17	7.21	7.58	6.07	5.82	4.33	10
11	3.16	3.30	7.32	5.50	NR	6.04	5.12	7.25	7.59	6.07	5.82	4.32	11
12	3.45	3.64	4.34	NR	NR	5.64	5.20	7.31	7.57	6.06	5.82	4.32	12
13	3.61	3.56	3.71	NR	NR	5.34	5.28	7.73	7.49	6.07	5.82	4.33	13
14	3.65	3.51	8.58	NR	19.07	5.14	5.12	8.14	7.43	6.06	5.81	4.33	14
15	3.52	3.51	8.46	NR	22.35	4.87	4.98	7.02	7.38	6.04	5.80	4.33	15
16	3.43	3.58	6.63	NR	19.88	4.74	4.57	8.77	7.33	6.01	5.81	4.33	16
17	3.42	3.41	4.36	NR	18.58	4.56	4.71	9.18	7.29	5.96	5.81	4.33	17
18	3.40	3.55	3.64	NR	18.44	5.15	5.10	9.12	7.29	5.95	5.80	4.36	18
19	3.41	3.68	3.27	NR	18.13	5.06	5.01	9.13	7.34	5.96	5.80	4.38	19
20	3.41	3.43	3.10	NR	17.86	5.00	4.94	9.00	7.35	5.96	5.81	4.37	20
21	3.39	3.32	2.97	NR	15.90	5.32	4.97	8.97	7.31	5.95	5.79	4.38	21
22	3.38	3.22	2.93	NR	13.30	5.19	5.35	8.88	7.26	5.95	5.79	4.37	22
23	3.33	3.22	NR	NR	13.44	5.11	6.29	8.50	7.24	6.01	5.78	4.34	23
24	3.32	3.23	NR	NR	15.29	5.10	6.84	8.50	7.20	5.93	5.79	4.34	24
25	3.31	3.33	NR	NR	13.34	5.09	6.39	8.46	7.19	5.92	NR	4.34	25
26	3.31	3.26	NR	NR	12.35	5.10	6.46	8.45	7.19	5.92	NR	4.33	26
27	3.31	3.21	5.82	NR	11.34	5.22	6.55	8.40	7.19	5.92	NR	4.34	27
28	3.32	3.17	10.97	NR	NR	5.49	6.51	8.32	7.16	5.89	NR	4.35	28
29	3.51	3.17	7.79	NR		5.74	6.56	8.27	7.13	5.89	NR	4.36	29
30	3.72	3.23	5.25	14.88		5.88	6.86	8.18	7.11	5.89	NR	4.35	30
31	3.53		4.34	14.53		6.00		7.71		5.89	NR		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-22-69	0600	25.35									

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
40 17 19	122 11 08	SE10 28N 3W				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 is 8,904 sq. mi.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT

(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1969	A02700	SACRAMENTO RIVER AT VINA BRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	67.78	67.30	67.28	68.14	74.93	78.99	70.36	70.47	70.58	69.52	68.70	68.68	1
2	67.60	67.16	67.31	67.87	73.59	74.90	70.07	70.38	70.54	69.46	68.72	68.67	2
3	67.32	67.43	67.25	68.08	72.29	74.54	69.87	70.31	70.49	69.05	68.71	68.61	3
4	67.23	67.46	67.21	68.12	71.78	72.99	69.32	70.18	70.47	69.03	68.68	68.37	4
5	67.05	67.34	67.19	68.30	73.92	72.33	69.74	70.14	70.44	69.03	68.69	68.09	5
6	67.06	67.24	67.17	68.07	78.22	71.57	71.23	70.24	70.41	69.01	68.69	67.77	6
7	67.06	67.22	67.17	67.85	74.42	70.99	70.17	70.55	70.34	68.98	68.68	67.75	7
8	67.12	67.21	67.25	67.57	73.08	70.38	69.61	70.70	70.28	68.96	68.69	67.71	8
9	67.06	67.20	67.35	67.29	75.50	70.16	69.41	70.83	70.29	68.94	68.70	67.72	9
10	67.05	67.24	71.98	67.05	76.71	70.02	69.26	70.98	70.32	68.92	68.69	67.70	10
11	67.09	67.23	72.99	67.54	78.02	69.70	69.24	71.03	70.31	68.92	68.71	67.71	11
12	67.32	67.57	69.04	79.26	84.56	69.30	69.39	70.99	70.32	68.91	68.67	67.70	12
13	67.52	67.59	67.94	87.80	81.10	69.09	69.46	71.12	70.23	68.90	68.68	67.71	13
14	67.53	67.43	72.22	81.76	79.80	68.92	69.30	71.27	70.15	68.88	68.67	67.72	14
15	67.42	67.61	72.86	73.74	84.32	68.79	69.13	70.99	70.13	68.86	68.68	67.72	15
16	67.33	67.63	72.38	71.82	82.16	68.65	68.99	70.84	70.06	68.85	68.68	67.73	16
17	67.30	67.44	69.05	70.75	79.93	68.77	68.79	71.67	69.99	68.80	68.68	67.72	17
18	67.28	67.69	68.15	70.18	79.36	68.93	69.28	71.72	69.97	68.79	68.68	67.73	18
19	67.28	67.93	67.65	75.43	79.02	69.06	69.33	71.71	70.01	68.78	68.68	67.75	19
20	67.29	67.55	67.42	84.62	78.78	69.00	69.26	71.57	70.02	68.80	68.67	67.77	20
21	67.20	67.38	67.23	85.18	77.77	69.69	69.35	71.50	70.00	68.79	68.67	67.75	21
22	67.22	67.27	67.12	85.71	75.32	69.39	69.66	71.47	69.94	68.78	68.67	67.77	22
23	67.19	67.23	67.81	83.41	75.57	69.17	70.12	71.26	69.88	68.77	68.66	67.74	23
24	67.19	67.24	73.87	81.81	76.91	69.16	70.49	71.24	69.82	68.78	68.67	67.73	24
25	67.17	67.33	78.00	81.96	76.95	69.16	70.12	71.18	69.78	68.76	68.68	67.74	25
26	67.16	67.31	74.26	84.18	74.69	69.18	69.94	71.14	69.77	68.76	68.68	67.72	26
27	67.17	67.24	70.32	83.07	73.55	69.32	70.02	71.08	69.75	68.77	68.66	67.74	27
28	67.22	67.20	72.40	81.70	78.16	69.62	70.04	71.00	69.73	68.73	68.69	67.73	28
29	67.29	67.19	72.67	80.57		69.96	70.16	70.93	69.67	68.72	68.66	67.75	29
30	67.50	67.25	69.63	76.59		70.17	70.32	70.93	69.69	68.70	68.68	67.76	30
31	67.43		68.66	75.95		70.31		70.65		68.72	68.67		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-25-68	0400	78.58	2-15-69	1530	85.74						
1-13-69	1200	88.64	3- 1-69	0930	80.13						

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 54 34	122 05 31	NE28 24N 2W	147000	89.42	2/25/58	APR 45-DATE	APR 45-DATE	1945		100.00	USED
			163000 E	90.97	12/23/64			1945		97.15	USCGS

Station located 250 ft. above Vina-Corning Highway Bridge, 2.6 mi. SW of Vina.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT

(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1969	A02630	SACRAMENTO RIVER AT HAMILTON CITY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	28.89 E	28.57	28.60	29.55	35.66	39.48	31.44	30.88	30.94	30.05	29.25	29.51	1
2	28.73	28.40	28.63	29.22	34.47	35.91	31.25	30.81	30.92	30.08	29.25	29.49	2
3	28.45	28.61	28.59	29.34	33.35	35.17	31.05	30.77	30.85	29.62	29.24	29.42	3
4	28.39	28.76	28.55	29.37	32.79	33.92	30.61	30.65	30.82	29.59	29.23	29.23	4
5	28.23	28.66	28.53	29.54	34.27	33.27	30.69	30.57	30.75	29.60	29.20	29.00	5
6	28.23	28.56	28.52	29.39	38.41	32.64	32.10	30.62	30.76	29.58	29.20	28.71	6
7	28.21	28.53	28.51	29.20	35.62	32.14	31.44	30.86	30.72	29.57	29.22	28.65	7
8	28.29	28.53	28.56	28.96	34.07	31.58	30.82	31.01	30.66	29.51	29.24	28.65	8
9	28.27	28.51	28.65	28.72	35.27	31.34	30.59	31.14	30.69	29.46	29.23	28.65	9
10	28.28	28.55	31.32	28.49	37.24	31.21	30.44	31.29	30.74	29.45	29.24	28.65	10
11	28.31	28.54	34.17	28.51	37.36	31.00	30.34	31.35	30.74	29.43	29.26	28.67	11
12	28.50	28.76	30.53	36.42	43.52	30.62	30.42	31.36	30.78	29.41	29.24	28.67	12
13	28.71	28.92	29.39	45.94	41.83	30.42	30.49	31.48	30.72	29.41	29.24	28.67	13
14	28.76	28.76	32.08	44.42	39.71	30.25	30.37	31.59	30.64	29.40	29.23	28.72	14
15	28.68	28.89	33.19	35.13	43.19	30.13	30.22	31.55	30.61	29.38	29.25	28.72	15
16	28.60	28.92	33.60	32.92	42.99	29.98	30.03	31.02	30.55	29.36	29.25	28.75	16
17	28.55	28.78	30.50	31.84	40.17	30.07	29.71	31.96	30.47	29.32	29.29	28.77	17
18	28.53	28.87	29.57	31.22	39.37	30.18	30.01	32.03	30.44	29.30	29.29	28.80	18
19	28.52	29.22	29.06	34.88	39.10	30.36	30.09	32.02	30.48	29.30	29.29	28.82	19
20	28.53	28.90	28.81	42.68	38.75	30.29	29.93	31.90	30.50	29.30	29.29	28.83	20
21	28.47	28.73	28.62	44.49	38.21	30.95	29.95	31.81	30.47	29.29	29.30	28.84	21
22	28.47	28.62	28.50	45.50	36.11	30.81	30.18	31.78	30.45	29.28	29.31	28.84	22
23	28.45	28.57	28.82	43.65	35.90	30.50	30.59	31.63	30.40	29.27	29.33	28.84	23
24	28.44	28.58	33.11	41.53	37.06	30.46	31.02	31.57	30.35	29.30	29.35	28.81	24
25	28.38	28.64	37.83	41.24	37.59	30.45	30.76	31.53	30.30	29.27	29.40	28.82	25
26	28.39	28.65	35.49	43.04	35.45	30.45	30.47	31.49	30.28	29.28	29.38	28.82	26
27	28.38	28.59	31.67	43.02	34.34	30.56	30.55	31.43	30.27	29.31	29.38	28.83	27
28	28.40	28.55	32.36	41.38	37.70	30.78	30.51	31.35	30.23	29.29	29.43	28.81	28
29	28.48	28.53	33.76	40.58		31.03	30.59	31.27	30.19	29.25	29.44	28.84	29
30	28.67	28.57	30.98	37.46		31.24	30.72	31.25	30.18	29.23	29.46	28.85	30
31	28.68		30.03	36.42		31.36		31.08		29.23	29.48		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
12-25-68	0815	38.09	2-15-69	2315	45.13						
1-13-69	2130	47.60	3- 1-69	0000	40.00						

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 45 07	121 59 43	NE20 22N 1W	350000	22.6	2/28/40	APR 45-DATE	27-DATE	1927	1945	127.9	USED
			151000	49.64	12/23/64			1945		100.0	USED
								1945		96.5	USCGS

Station located at Gianella Bridge, State Highway 32, 1.0 mi. NE of Hamilton City.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT

(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1969	A02570	SACRAMENTO RIVER AT ORD FERRY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	47.03	46.68	46.74	48.15	56.33	60.56	50.53	49.72	49.74	48.69	47.49	47.79	1
2	46.87	46.53	46.74	47.68	55.02	57.56	50.38	49.69	49.70	48.75	47.48	47.78	2
3	46.60	46.64	46.72	47.69	53.92	56.08	50.13	49.64	49.63	48.27	47.47	47.72	3
4	46.51	46.86	46.66	47.73	52.99	54.99	49.69	49.50	49.58	48.20	47.46	47.55	4
5	46.36	46.78	46.64	47.87	53.89	53.95	49.70	49.39	49.52	48.18	47.42	47.34	5
6	46.33	46.67	46.63	47.77	58.02	53.12	51.34	49.41	49.50	48.16	47.43	47.08	6
7	46.29	46.62	46.62	47.58	56.81	52.42	50.90	49.64	49.46	48.14	47.45	46.96	7
8	46.36	46.63	46.66	47.31	54.59	51.72	50.02	49.86	49.40	48.08	47.46	46.96	8
9	46.36	46.61	46.74	47.05	55.32	51.37	49.69	49.99	49.41	48.03	47.46	46.94	9
10	46.36	46.67	49.14	46.79	57.89	51.11	49.49	50.16	49.47	48.01	47.47	46.93	10
11	46.39	46.67	54.19	46.75	57.41	50.86	49.34	50.24	49.47	47.98	47.49	46.94	11
12	46.54	46.81	49.60	53.92	62.89	50.41	49.37	50.26	49.52	47.95	47.48	46.94	12
13	46.77	47.06	47.91	64.42	63.58	50.10	49.46	50.36	49.45	47.94	47.48	46.95	13
14	46.85	46.88	50.81	66.54	60.65	49.85	49.36	50.51	49.37	47.93	47.49	46.98	14
15	46.79	47.02	52.86	58.08	62.85	49.67	49.18	50.57	49.32	47.90	47.46	47.00	15
16	46.70	47.06	53.91	54.04	64.51	49.50	48.98	49.78	49.25	47.88	47.49	47.01	16
17	46.65	46.94	49.68	52.61	61.55	49.53	48.63	50.92	49.16	47.77	47.50	47.05	17
18	46.62	46.98	48.21	51.54	60.15	49.58	48.80	51.04	49.14	47.66	47.52	47.07	18
19	46.62	47.47	47.52	54.53	59.85	49.68	48.97	51.06	49.14	47.62	47.52	47.09	19
20	46.62	47.12	47.16	61.56	59.37	49.59	48.78	50.95	49.17	47.62	47.52	47.10	20
21	46.59	46.89	46.93	65.51	59.14	50.13	48.76	50.81	49.15	47.63	47.53	47.13	21
22	46.54	46.76	46.76	66.28	57.22	50.23	48.94	50.77	49.12	47.60	47.54	47.11	22
23	46.54	46.69	46.97	65.27	56.57	49.71	49.37	50.61	49.07	47.57	47.57	47.10	23
24	46.52	46.69	51.31	63.29	57.51	49.62	49.94	50.50	49.01	47.62	47.58	47.10	24
25	46.48	46.74	57.83	62.38	58.69	49.57	49.71	50.46	48.96	47.55	47.62	47.09	25
26	46.47	46.77	56.37	63.56	56.55	49.55	49.35	50.40	48.93	47.57	47.63	47.09	26
27	46.47	46.71	51.34	64.39	55.32	49.62	49.38	50.31	48.92	47.57	47.62	47.10	27
28	46.47	46.66	50.93	62.69	57.54	49.80	49.35	50.22	48.88	47.56	47.67	47.09	28
29	46.56	46.65	53.79	61.51		50.03	49.39	50.12	48.85	47.50	47.69	47.10	29
30	46.72	46.69	50.23	59.45		50.27	49.53	50.08	48.81	47.49	47.72	47.12	30
31	46.79		48.81	57.20		50.42		49.94		47.47	47.76		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
12-25-68	1145	58.07	2-16-69	0500	65.27						
1-14-69	0430	67.29	3- 1-69	0445	60.77						

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	370000 126000 E	121.7 68.9	2/28/40 12/23/64	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.

- Flood season only.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1969	A02500	SACRAMENTO RIVER AT BUTTE CITY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	71.92	71.44	71.47	73.76	83.85	87.99	75.82	74.59	74.68	73.45	72.31	72.64	1
2	71.71	71.27	71.46	73.15	82.00	86.73	75.72	74.61	74.60	73.48	72.33	72.64	2
3	71.38	71.26	71.47	72.99	80.41	83.20	75.44	74.55	74.54	73.05	72.31	72.57	3
4	71.20	71.61	71.39	73.06	79.03	81.88	75.01	74.39	74.46	72.87	72.29	72.41	4
5	71.04	71.57	71.33	73.18	79.24	80.30	74.76	74.28	74.40	72.83	72.26	72.16	5
6	70.93	71.42	71.32	73.13	83.65	79.31	76.32	74.26	74.34	72.80	72.25	71.84	6
7	70.90	71.33	71.31	72.86	85.27	78.45	76.36	74.44	74.31	72.78	72.25	71.62	7
8	70.93	71.32	71.35	72.55	81.50	77.67	75.37	74.70	74.24	72.73	72.27	71.63	8
9	70.98	71.31	71.45	72.20	81.10	77.20	74.94	74.84	74.24	72.66	72.29	71.61	9
10	70.94	71.35	72.94	71.86	84.63	76.89	74.68	75.03	74.29	72.62	72.28	71.60	10
11	70.98	71.37	79.63	71.65	84.51	76.64	74.45	75.14	74.31	72.60	72.31	71.62	11
12	71.15	71.44	75.96	76.93	87.96	76.19	74.41	75.18	74.36	72.56	72.30	71.60	12
13	71.48	71.89	73.35	89.22	88.79	75.81	74.50	75.25	74.32	72.56	72.30	71.63	13
14	71.64	71.70	74.85	92.84	88.80	75.51	74.41	75.41	74.23	72.54	72.31	71.65	14
15	71.60	71.80	78.39	90.07	88.80	75.30	74.21	75.51	74.17	72.53	72.28	71.69	15
16	71.49	71.91	79.83	82.34	88.82	75.08	73.97	74.68	74.10	72.50	72.31	71.72	16
17	71.38	71.81	76.09	79.29	88.82	75.04	73.57	75.71	73.98	72.45	72.32	71.75	17
18	71.35	71.69	73.79	77.81	88.65	75.06	73.64	75.94	73.95	72.41	72.35	71.78	18
19	71.32	72.35	72.90	79.40	88.25	75.21	73.91	76.01	73.94	72.38	72.34	71.79	19
20	71.32	72.09	72.36	86.35	87.71	75.08	73.69	75.94	73.97	72.38	72.33	71.84	20
21	71.31	71.73	72.00	91.58	87.43	75.41	73.63	75.78	73.96	72.38	72.36	71.86	21
22	71.21	71.56	71.73	92.66	85.63	75.84	73.74	75.73	73.92	72.36	72.36	71.88	22
23	71.22	71.44	71.77	92.42	83.52	75.20	74.20	75.62	73.87	72.34	72.39	71.83	23
24	71.17	71.41	75.00	91.23	84.33	75.03	74.81	75.48	73.81	72.38	72.40	71.84	24
25	71.15	71.45	83.57	90.33	86.39	74.95	74.72	75.45	73.74	72.32	72.44	71.83	25
26	71.11	71.52	84.52	90.61	84.56	74.89	74.34	75.37	73.70	72.35	72.48	71.84	26
27	71.12	71.45	78.81	91.46	82.22	74.92	74.26	75.30	73.68	72.38	72.46	71.85	27
28	71.10	71.38	76.18	90.73	83.13	75.10	74.27	75.21	73.64	72.37	72.51	71.85	28
29	71.19	71.35	79.83	89.58		75.31	74.27	75.10	73.59	72.32	72.59	71.85	29
30	71.38	71.38	76.82	88.58		75.56	74.40	75.03	73.57	72.30	72.56	71.88	30
31	71.55		74.67	85.50		75.71		74.94		72.29	72.61		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-14-69	1745	93.30									

E — ESTIMATED

NR — NO RECORD

NE — 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 27 35	121 59 35	NE32 19N 1W	170000 126000	96.87 94.9	2/ 7/42 12/24/64	JUL 19-OCT 38 8 JAN 39-DATE	JUL 19-OCT 28 8 APR 29-DATE	1921		0.00	USED

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.

8 - Irrigation season only.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT

(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1969	A02445	SACRAMENTO RIVER AT MOULTON WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1						77.45 A							1
2						77.52 A							2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12					77.97 A								12
13				78.02 A	79.84								13
14				80.66	78.90								14
15				79.65	78.42								15
16					80.14								16
17					79.49								17
18					78.18								18
19					77.69								19
20				77.34 A	77.38								20
21				79.67	77.17								21
22				81.05	76.92 A								22
23				81.12									23
24				80.24									24
25				79.40									25
26				79.38									26
27				80.15									27
28				79.87									28
29				78.92									29
30				78.34									30
31				77.15 A									31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-14-69	2200	81.42	1-27-69	1830	80.31	2-16-69	1730	80.47			
1-22-69	2300	81.31	2-13-69	1500	80.11	3- 2-69	0300	77.79			

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 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
1969	A02450	SACRAMENTO RIVER OPPOSITE MOULTON WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	58.56	58.00	58.01	61.08	74.12	76.86	63.41	61.71	62.05	60.37	58.78	59.24	1
2	58.34	57.81	57.99	60.25	72.21	77.05	63.42	61.80	61.92	60.32	58.80	59.28	2
3	58.00	57.74	58.01	59.92	69.91	73.67	63.04	61.73	61.83	59.90	58.79	59.24	3
4	57.74	58.11	57.91	59.98	68.33	72.07	62.52	61.57	61.73	59.60	58.78	59.11	4
5	57.59	58.11	57.85	60.05	68.04	70.00	62.02	61.39	61.65	59.54	58.73	58.80	5
6	57.44	57.94	57.83	60.06	72.32	68.59	63.78	61.33	61.56	59.50	58.71	58.44	6
7	57.48	57.84	57.83	59.73	75.54	67.11	64.52	61.53	61.52	59.47	58.70	58.08	7
8	57.41	57.83	57.86	59.40	72.03	65.93	63.17	61.92	61.43	59.39	58.73	58.04	8
9	57.48	57.81	57.97	59.00	70.58	65.12	62.45	62.12	61.41	59.30	58.75	58.02	9
10	57.46	57.85	58.99	58.59	73.90	64.65	62.07	62.38	61.47	59.24	58.75	58.02	10
11	57.50	57.88	67.15	58.31	74.60	64.29	61.71	62.58	61.51	59.22	58.77	58.02	11
12	57.65	57.94	65.44	62.68	76.87	63.69	61.61	62.68	61.56	59.17	58.78	58.03	12
13	58.02	58.45	60.84	75.38	80.12	63.15	61.73	62.76	61.53	59.16	58.76	58.04	13
14	58.22	58.30	61.35	81.12	79.08	62.76	61.65	62.95	61.42	59.12	58.77	58.07	14
15	58.19	58.34	66.80	79.88	78.53	62.49	61.40	63.15	61.34	59.10	58.76	58.11	15
16	58.06	58.49	68.48	73.42	80.47	62.21	61.10	62.21	61.28	59.05	58.76	58.16	16
17	57.94	58.42	65.75	69.24	79.74	62.11	60.61	63.16	61.13	59.01	58.79	58.20	17
18	57.90	58.25	61.36	67.10	78.26	62.11	60.53	63.75	61.07	58.94	58.81	58.22	18
19	57.87	58.94	59.93	67.60	77.70	62.34	60.89	63.91	61.04	58.89	58.82	58.25	19
20	57.87	58.82	59.23	74.72	77.34	62.21	60.65	63.87	61.08	58.90	58.82	58.30	20
21	57.86	58.36	58.77	79.99	77.08	62.48	60.54	63.64	61.06	58.89	58.84	58.32	21
22	57.75	58.15	58.44	81.52	76.02	63.41	60.64	63.54	61.01	58.86	58.84	58.35	22
23	57.76	58.01	58.37	81.58	73.65	62.54	61.15	63.42	60.94	58.85	58.88	58.33	23
24	57.70	57.96	61.14	80.56	74.08	62.24	61.96	63.18	60.88	58.86	58.90	58.32	24
25	57.68	57.99	70.92	79.61	75.83	62.14	62.09	63.13	60.76	58.82	58.94	58.31	25
26	57.63	58.08	73.96	79.60	75.08	62.08	61.56	63.00	60.70	58.81	58.98	58.32	26
27	57.64	58.01	69.46	80.48	72.43	62.10	61.33	62.91	60.67	58.86	58.99	58.33	27
28	57.62	57.93	64.52	80.13	72.32	62.32	61.33	62.79	60.62	58.87	59.03	58.34	28
29	57.71	57.90	68.10	79.08		62.61	61.32	62.63	60.55	58.82	59.13	58.33	29
30	57.89	57.90	66.37	78.42		62.97	61.48	62.52	60.50	58.77	59.16	58.36	30
31	58.11		62.61	76.08		63.22		62.43		58.77	59.20		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-26-68	0715	74.25	2-16-69	1715	80.86						
1-14-69	2115	81.97	3- 2-69	0315	77.87						

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 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
1969	A02430	SACRAMENTO RIVER AT COLUSA WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1					63.98	64.58							1
2					63.30	64.85							2
3					62.48	63.70							3
4					61.94 A	63.11							4
5						62.29							5
6					62.99 A	61.89 A							6
7					64.20								7
8					63.14								8
9					62.44								9
10					63.55								10
11					63.92								11
12					64.52								12
13				64.09 A	65.87								13
14				66.11	65.65								14
15				66.12	65.30								15
16				63.85	66.01								16
17				62.25 A	65.92								17
18					65.30								18
19					65.01								19
20				63.70 A	64.87								20
21				65.81	64.76								21
22				66.56	64.46								22
23				66.65	63.66								23
24				66.33	63.72								24
25			63.04 A	65.93	64.25								25
26			63.81	65.86	64.15								26
27			62.86 A	66.21	63.24								27
28				66.25	63.05								28
29				65.83									29
30				65.56									30
31				64.72									31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-26-68	1200	63.89	1-28-69	0015	66.37	2-13-69	1800	66.06	3-2-69	0500	65.04
1-15-69	0100	66.63	2- 7-69	1130	64.37	2-16-69	2130	66.21			
1-23-69	0230	66.70	2-11-69	0300	64.04	2-26-69	0030	64.48			

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 68.06	3/1/40 1/7/65	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
1969	A02420	SACRAMENTO RIVER AT COLUSA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	44.46	43.59	NR	49.35	62.31	62.94	51.52	48.89	49.91	47.17	44.63	45.54	1
2	44.20	43.34	NR	47.77	61.61	63.42	51.68	49.15	49.61	46.91	44.67	45.61	2
3	43.76	43.04	NR	46.90	60.74	62.15	51.28	49.04	49.44	46.65	44.65	45.57	3
4	43.18	43.51	NR	46.88	59.40	61.47	50.72	48.91	49.26	45.94	44.67	45.39	4
5	42.96	43.74	NR	46.88	58.14	60.51	49.82	48.64	49.12	45.82	44.66	44.95	5
6	42.65	43.53	NR	47.02	60.88	59.41	50.99	48.48	48.94	45.76	44.64	44.41	6
7	42.58	43.31	NR	46.55	62.63	57.52	53.36	48.61	48.89	45.72	44.60	43.86	7
8	42.51	43.25	NR	46.06	61.54	55.88	52.12	49.11	48.79	45.61	44.64	43.78	8
9	42.62	43.24	NR	45.42	60.65	54.55	50.70	49.44	48.70	45.48	44.69	43.77	9
10	42.59	43.24	NR	44.80	61.83	53.71	50.04	49.81	48.72	45.36	44.68	43.78	10
11	42.64	43.32	NR	44.29	62.34	53.05	49.50	50.18	48.83	45.32	44.73	43.76	11
12	42.79	43.37	56.43	47.35	62.92	52.27	49.19	50.42	48.88	45.24	44.76	43.78	12
13	43.32	44.00	50.13	61.11	64.58	51.36	49.27	50.54	48.93	45.24	44.72	43.80	13
14	43.77	44.09	47.79	64.78	64.40	50.73	49.26	50.80	48.83	45.18	NR	43.86	14
15	43.85	44.13	55.00	64.92	63.90	50.27	48.93	51.11	48.68	45.14	NR	43.91	15
16	43.67	44.29	57.90	62.38	64.75	49.88	48.50	50.55	48.61	45.05	NR	43.99	16
17	43.47	44.03	57.25	60.24	64.73	49.63	47.91	50.50	48.40	45.01	NR	44.05	17
18	43.37	44.91	50.89	57.97	63.93	49.66	47.33	51.87	48.22	44.87	NR	44.08	18
19	43.31	44.64	47.68	57.02	63.57	49.86	47.82	52.30	48.15	44.80	NR	44.12	19
20	43.29	43.95	46.16	61.87	63.41	49.86	47.74	52.39	48.16	44.82	NR	44.20	20
21	43.27	43.60	45.27	64.48	63.26	49.95	47.44	52.14	48.15	44.81	44.85	44.22	21
22	43.12	43.56	44.64	65.45	62.95	51.32	47.42	51.93	48.11	44.80	44.85	44.24	22
23	43.12	43.68	44.30	65.58	62.04	50.66	47.98	51.80	47.99	44.79	44.90	44.18	23
24	43.04	43.49	46.69	65.16	62.05	50.00	49.00	51.48	47.89	44.78	44.93	44.13	24
25	43.01	43.38	57.87	64.62	62.60	49.80	49.69	51.35	47.71	44.72	45.00	44.09	25
26	42.92	43.49	62.23	64.51	62.60	49.67	49.12	51.18	47.58	44.67	45.06	44.08	26
27	42.92	NR	60.48	64.94	61.61	49.65	48.57	51.05	47.51	44.78	45.11	44.08	27
28	42.89	NR	55.11	64.97	61.27	49.86	48.53	50.88	47.46	44.77	45.18	44.10	28
29	42.96	NR	56.83	64.43		50.26	48.48	50.67	47.36	44.69	45.35	44.08	29
30	43.19	NR	57.65	64.11		50.77	48.60	50.48	47.25	44.61	45.38	44.13	30
31	43.62		52.46	63.16		51.20		50.36		44.61	45.47		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
1-23-69	0345	65.66									

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		0.00	USED
				67.07	1/7/65			1921		-3.0	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
1969	A02984	CHEROKEE CANAL NEAR RICHVALE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.91	2.87	3.52	3.88	4.22	6.83	3.11	4.07	3.98	3.79	4.12	4.11	1
2	1.89	2.94	3.28	3.74	4.18	5.40	3.11	4.21	4.03	3.88	4.13	3.98	2
3	2.07	3.48	3.17	3.64	4.04	5.49	3.35	4.16	4.08	4.06	4.14	3.74	3
4	2.25	3.54	3.13	3.60	3.95	4.51	3.23	4.16	4.17	4.06	4.16	3.77	4
5	2.03	3.17	3.09	3.54	6.10	4.12	4.67	4.07	4.18	3.96	4.14	3.56	5
6	1.88	3.02	3.06	3.49	6.43	4.04	5.20	4.06	4.11	3.90	4.10	3.39	6
7	1.84	2.98	3.04	3.44	4.94	3.92	4.15	3.79	4.09	3.92	4.06	3.75	7
8	1.83	2.95	3.06	3.41	4.51	3.81	3.67	4.10	4.07	4.02	4.06	3.69	8
9	1.82	2.93	3.07	3.36	7.28	3.71	3.48	3.09	4.08	4.09	4.07	3.56	9
10	1.83	2.96	4.43	3.33	6.17	3.67	3.34	4.11	4.02	4.11	3.96	3.30	10
11	1.86	2.96	4.88	4.73	6.71	3.60	3.29	3.80	4.06	4.06	3.79	3.04	11
12	2.05	3.27	3.68	8.82	8.08	3.49	3.25	3.96	4.15	4.00	3.83	3.02	12
13	2.26	3.30	3.46	11.34	6.12	3.38	3.20	4.09	4.13	3.99	3.85	2.94	13
14	2.73	3.11	6.77	7.64	6.05	3.27	3.19	4.11	4.10	4.07	3.89	2.92	14
15	2.69	3.93	6.04	6.26	8.85	3.22	3.16	4.09	3.97	3.95	3.87	2.46	15
16	2.70	3.64	5.55	5.52	6.76	3.19	3.11	4.15	3.90	3.98	3.86	2.22	16
17	2.76	3.29	4.30	4.88	5.82	3.25	3.23	4.19	3.89	4.01	3.89	2.27	17
18	2.76	3.52	3.90	4.71	5.61	3.23	3.38	4.07	3.87	4.01	3.92	2.35	18
19	2.89	3.90	3.71	8.02	5.10	3.14	3.44	3.95	3.87	4.01	4.04	2.39	19
20	2.79	3.39	3.57	7.24	4.70	3.14	3.56	3.92	3.86	4.00	4.07	2.46	20
21	2.78	3.26	3.46	8.95	4.57	3.79	3.60	3.93	3.84	4.04	4.09	2.37	21
22	2.78	3.19	3.37	7.04	4.28	3.71	3.78	3.92	3.83	4.05	4.09	2.42	22
23	2.79	3.15	3.78	5.81	5.51	3.46	3.92	4.06	3.82	4.09	4.12	2.53	23
24	2.80	3.14	6.66	5.24	6.18	3.40	3.76	4.12	3.79	4.06	4.14	2.37	24
25	2.80	3.20	7.10	6.25	5.81	3.30	3.61	4.08	3.80	4.06	4.11	2.31	25
26	2.79	3.13	5.41	7.43	4.88	3.24	3.67	4.05	3.88	4.09	4.13	2.30	26
27	2.76	3.09	4.45	5.67	4.41	3.21	3.86	4.11	4.05	4.11	4.14	2.34	27
28	2.71	3.06	5.36	4.90	5.69	3.19	3.84	3.97	4.07	4.10	4.13	2.41	28
29	2.79	3.06	5.55	4.57		3.17	3.99	3.90	3.88	4.11	4.12	2.31	29
30	2.85	3.49	4.49	4.58		3.15	4.16	3.86	3.64	4.12	4.11	2.27	30
31	2.86		4.08	4.37		3.14		3.94		4.11	4.10		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
12/14/58	0815	8.97	2/15/69	0215	9.60						
1/13/69	0730	12.80	3/ 1/69	0145	7.68						

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
1969	A02967	BUTTE SLOUGH AT OUTFALL GATES

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	41.39	40.67	40.80	48.91 E	57.32 E	55.52 E	47.78	45.82	47.41	43.33	43.95	43.06	1
2	41.18	40.48	40.84	47.58 E	56.06 E	56.15 E	47.87	46.08	47.10	43.14	44.03	43.17	2
3	40.72	40.25	40.84	46.29	54.80 E	56.15 E	47.93	46.01	46.86	43.04	44.18	43.25	3
4	40.10	40.65	40.74	45.67	53.50 E	55.52 E	47.83	45.99	46.60	42.64	44.15	43.15	4
5	39.88	40.90	40.66	45.29	52.44 E	54.40 E	47.31	45.83	46.35	42.49	42.92	42.90	5
6	39.61	40.76	40.59	45.14	51.82 E	53.22 E	47.74	45.67	46.13	42.43	42.15	42.58	6
7	39.57	40.59	40.62	44.84	53.50 E	52.20 E	48.44	45.70	46.03	42.42	41.98	42.29	7
8	39.38	40.50	40.63	44.28	53.43 E	51.64 E	48.50	46.01	45.95	42.34	41.93	42.22	8
9	39.42	40.44	40.72	43.68	53.36 E	51.08 E	48.19	46.36	45.85	42.22	41.98	42.26	9
10	39.38	40.32	41.22	43.27	53.30 E	50.50 E	47.56	46.73	45.84	42.28	42.03	42.12	10
11	39.43	40.40	45.09	42.83	54.20 E	49.88 E	46.79	47.16	45.96	42.49	42.08	41.94	11
12	39.61	40.43	47.15	44.35	55.10 E	49.48 E	46.17	47.52	46.06	42.83	42.08	41.96	12
13	40.15	40.84	46.99	48.89 E	57.48 E	48.92	46.90	47.73	46.18	42.93	42.04	42.01	13
14	40.71	41.10	45.47	56.54 E	59.22 E	48.38	46.86	47.93	46.10	42.87	42.07	42.00	14
15	40.86	41.02	47.88	60.18 E	59.22 E	47.96	46.61	48.18	45.96	42.88	42.10	41.91	15
16	40.69	41.36	49.10 E	60.60 E	60.61 E	47.62	46.28	47.94	45.84	42.85	42.09	41.94	16
17	40.41	41.52	49.40 E	57.88 E	60.68 E	47.39	45.77	47.77	45.63	42.88	42.18	42.02	17
18	40.27	41.35	49.24	56.39 E	60.21 E	47.34	45.26	48.58	45.41	42.95	42.00	42.08	18
19	40.20	41.89	47.93	54.90 E	59.52 E	47.38	45.54	48.77	45.24	43.09	41.91	42.09	19
20	40.18	42.51	46.96	53.60 E	58.46 E	47.36	45.44	48.84	45.12	43.34	41.84	42.06	20
21	40.18	42.01	45.95	56.29 E	57.76 E	47.40	45.01	48.86	45.05	43.56	41.89	41.95	21
22	40.04	41.66	44.58	59.79 E	57.20 E	48.00	44.87	48.86	44.91	43.67	41.92	41.80	22
23	40.04	41.37	43.46	61.55 E	57.30 E	47.91	45.22	48.85	44.44	43.52	41.95	41.48	23
24	39.99	41.21	43.74 E	61.97 E	55.54 E	47.47	46.07	48.72	44.29	43.35	41.87	41.19	24
25	39.97	41.16	49.00 E	62.14 E	55.52 E	47.28	46.80	48.64	44.39	43.24	41.96	40.86	25
26	39.89	41.17	50.62 E	60.88 E	55.90 E	47.13	46.41	48.52	44.02	43.31	42.20	40.77	26
27	39.87	41.05	52.97 E	60.92 E	55.50 E	47.05	45.84	48.40	43.71	43.37	42.51	40.85	27
28	39.83	40.97	52.31 E	60.95 E	54.48 E	47.15	45.70	48.27	43.65	43.49	42.63	40.84	28
29	39.91	40.80	51.65 E	60.47 E		47.43	45.56	48.10	43.52	43.69	42.73	40.80	29
30	40.20	40.73	51.00 E	59.81 E		47.62	45.55	47.91	43.48	43.81	42.78	40.78	30
31	40.59		50.24 E	59.23 E		47.71		47.78		43.91	42.90		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

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 11 44	121 56 04	NE35 16N 1W				JUN 24-OCT 38 8 JAN 39-DATE	JUN 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.

8 - Irrigation season only. Publication of stage discontinued October 1, 1969.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT

(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1969	A02380	SACRAMENTO RIVER AT MERIDIAN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	38.59	38.14	38.08	45.38	57.23	57.58	46.88	43.74	45.06	41.86	39.17	40.27	1
2	38.50	37.92	38.13	43.54	56.62	58.15	47.12	44.08	44.72	41.60	39.16	40.36	2
3	38.14	37.60	38.15	42.45	55.87	57.13	46.92	44.00	44.50	41.49	39.15	40.36	3
4	37.57	37.98	38.05	42.26	54.80	56.48	46.40	43.88	44.29	40.77	39.15	40.22	4
5	37.44	38.30	37.95	42.18	53.65	55.71	45.77	43.64	44.09	40.49	39.27	39.84	5
6	37.21	38.14	37.87	42.28	55.64	54.79	46.39	43.46	43.90	40.40	39.34	39.33	6
7	37.22	37.91	37.86	41.84	57.35	53.25	48.73	43.49	43.81	40.36	39.30	38.77	7
8	37.25	37.83	37.89	41.34	56.60	51.84	47.92	43.91	43.72	40.27	39.27	38.63	8
9	37.28	37.80	37.99	40.72	55.75	50.54	46.42	44.30	43.62	40.10	39.28	38.64	9
10	37.46	37.76	38.42	40.11	56.60	49.58	45.70	44.71	43.61	39.94	39.32	38.69	10
11	37.58	37.84	46.49	39.58	57.18	48.83	45.15	45.14	43.73	39.89	39.34	38.68	11
12	37.75	37.88	51.70	41.51	57.54	48.00	44.76	45.45	43.80	39.81	39.38	38.71	12
13	37.84	38.35	46.35	54.73	58.95	47.06	44.75	45.61	43.89	39.81	39.36	38.73	13
14	37.88	38.67	42.90	58.86	58.99	46.38	44.79	45.87	43.80	39.75	39.34	38.78	14
15	37.95	38.52	49.15	59.40	58.54	45.88	44.76	46.17	43.62	39.68	39.36	38.81	15
16	38.05	38.78	52.79	57.48	59.15	45.46	44.66	45.96	43.52	39.61	39.33	38.89	16
17	38.14	38.88	53.07	55.55	59.27	45.16	43.75	45.51	43.33	39.58	39.30	38.96	17
18	37.93	38.67	47.36	53.68	58.63	45.15	42.75	46.95	43.11	39.43	39.36	39.01	18
19	37.78	39.13	43.64	52.63	58.28	45.30	43.09	47.46	43.01	39.35	39.35	39.05	19
20	37.76	39.78	41.81	56.37	58.13	45.33	43.07	47.64	42.97	39.37	39.32	39.10	20
21	37.75	39.19	40.77	58.81	57.98	45.37	42.69	47.47	42.95	39.39	39.37	39.09	.
22	37.62	38.74	40.03	59.78	57.75	46.62	42.58	47.24	42.90	39.37	39.39	39.09	22
23	37.60	38.43	39.53	59.94	57.01	46.55	42.98	47.09	42.74	39.33	39.44	38.99	23
24	37.53	38.26	41.02	59.67	56.93	45.79	43.89	46.79	42.62	39.30	39.44	38.86	24
25	37.50	38.22	51.29	59.21	57.37	45.68	44.74	46.62	42.46	39.35	39.50	38.72	25
26	37.41	38.32	56.78	59.06	57.48	45.61	44.64	46.44	42.30	39.30	39.61	38.67	26
27	37.40	38.28	55.78	59.37	56.65	45.53	43.70	46.27	42.19	39.27	39.73	38.68	27
28	37.37	38.15	51.37	59.46	56.26	45.47	43.63	46.08	42.15	39.33	39.82	38.70	28
29	37.43	38.03	51.67	59.04		45.56	43.60	45.86	42.05	39.30	39.99	38.69	29
30	37.67	38.00	53.35	58.73		46.09	43.58	45.63	41.94	39.25	40.07	38.70	30
31	38.08		48.81	58.01		46.55		45.47		39.20	40.17		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-26-68	1830	56.98	2-16-69	2345	59.50						
1-23-69	0745	59.99	3- 2-69	0615	58.27						

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 08 42	121 55 00	SE13 15N 1W		64.4 60.59	3/1/40 1/7/65	MAR 54-OCT 54 JAN 55-DEC 55 MAR 56-DATE ö	15-DATE			0.00	USED

Station located 190 ft. below Meridian Bridge, State Highway 20, immediately NW. of Meridian. Publication of stage discontinued Oct. 1, 1969.

ö - Irrigation season only.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT

(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1969	A02320	SACRAMENTO RIVER AT RECLAMATION DISTRICT 70 PUMPING PLANT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	34.1	33.3	33.1	41.1	51.4	51.3	42.5	38.5	40.5	36.7	33.4	35.0	1
2	34.2	33.1	33.3	39.6	51.1	52.0	42.8	39.0	40.1	36.2	33.4	35.4	2
3	33.8	32.7	33.3	37.7	50.7	51.5	42.6	38.9	39.8	36.4	33.6	35.5	3
4	33.0	32.7	33.3	37.7	50.2	51.0	42.1	38.9	39.5	35.5	33.6	35.4	4
5	32.7	33.4	33.1	37.4	49.3	50.6	41.3	38.7	39.2	35.5	33.7	35.1	5
6	32.3	33.4	33.0	37.6	50.0	50.1	41.0	38.4	39.0	35.3	34.0	34.7	6
7	32.1	33.1	33.0	37.5	51.3	49.2	44.0	38.3	39.0	35.0	33.9	34.9	7
8	32.0	32.9	33.0	36.8	51.2	48.6	43.4 E	38.5	38.9	34.9	33.8	33.5	8
9	32.0	32.8	33.1	36.2	50.5	47.6	42.8	39.0	38.6	34.7	33.8	33.6	9
10	32.0	32.8	33.3	35.4	50.7	46.8	41.9	39.5	38.6	34.4	33.8	33.6	10
11	32.0	32.9	37.0	34.8	57.4	45.2 E	41.3	40.0	38.7	34.4	33.9	33.6	11
12	32.0	33.0	47.8	34.6	51.4	43.6 E	40.7	40.5	38.9	34.3	34.0	33.7	12
13	32.5	33.0	44.1	46.5	52.3	42.1	40.5	40.8	39.0	34.2	34.0	33.7	13
14	33.2	33.9	39.0	51.9	52.6	42.3	40.5	41.0	39.0	34.4	33.9	33.9	14
15	33.5	33.8	42.5	53.0	52.3	41.5	40.3	41.3	38.8	34.2	34.0	33.9	15
16	33.5	33.8	47.1	52.1	52.5	41.1	39.9	41.7	38.7	34.1	33.9	34.1	16
17	33.2	34.1	49.3	50.7	53.0	39.6	39.2	40.2	38.6	34.1	34.0	34.1	17
18	33.0	34.0	45.0	49.6	52.5	40.6	38.2	42.0	38.2	34.0	34.0	34.3	18
19	32.9	33.8	40.2	48.7	52.1	40.5	38.2	42.9	38.0	34.0	34.0	34.3	19
20	32.9	35.0	37.5	50.6	52.0	40.8	38.6	43.3	38.0	34.0	34.0	34.3	20
21	32.8	34.7	36.5	52.0	51.9	40.8	38.1	43.1	38.0	33.9	34.0	34.4	21
22	32.8	34.1	35.5	53.0	51.8	41.5	37.6	43.0	38.0	33.9	34.0	34.3	22
23	32.6	33.7	34.8	53.3	51.3	42.8	37.9	42.7	37.9	33.8	34.0	34.3	23
24	32.6	33.5	35.0	53.2	51.1	41.8	38.5	42.5	37.7	33.8	34.0	34.2	24
25	32.6	33.4	42.8	52.9	51.3	41.0	40.0	42.1	37.5	33.8	34.0	34.1	25
26	32.5	33.4	50.6	52.7	51.7	40.7	39.9	42.0	37.3	33.7	34.0	33.9	26
27	32.4	33.5	50.7	52.8	51.2	40.6	39.0	41.8	37.0	33.7	34.4	33.8	27
28	32.4	33.4	48.1	53.0	50.7	40.6	39.0	41.5	37.0	33.7	34.5	33.8	28
29	32.4	33.2	46.0	52.8		41.0	38.8	41.3	37.0	33.8	34.7	33.8	29
30	32.5	33.1	49.4	52.5		41.5	38.5	41.0	36.8	33.7	35.0	33.8	30
31	33.0		46.2	52.2		42.0		40.9		33.5	35.1		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 04 08	121 51 43	NE16 14N 1E					25-DATE			0.00	USED

Staff located at Reclamation District 70 pumping plant, 1.7 mi. E of Grimes. Gage read daily by pump operators. Publication of stage discontinued Oct. 1, 1969.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT

(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1969	A02301	SACRAMENTO RIVER AT TISDALE WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1					48.31	48.19							1
2					48.05	48.45							2
3					47.79	48.15							3
4					47.49	47.90							4
5					47.09	47.69							5
6					47.54	47.43							6
7					48.11	46.93							7
8					47.98	46.33							8
9					47.70	45.69 A							9
10					47.88								10
11					48.11								11
12			45.84 A		48.21								12
13				47.38 A	48.73								13
14				48.65	48.89								14
15				49.24	48.75								15
16			46.32 A	48.66	48.93								16
17			46.63 A	47.78	49.08								17
18				47.17	48.85								18
19				46.72	48.65								19
20				47.82	48.54								20
21				48.80	48.44								21
22				49.39	48.36								22
23				49.64	48.10								23
24				49.60	48.04								24
25			46.66 A	49.36	48.16								25
26			47.74	49.20	48.22								26
27			47.59	49.29	47.98								27
28			46.38 A	49.32	47.84								28
29			46.29 A	49.16									29
30			46.77	48.96									30
31			45.68 A	48.68									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
12-17-68	0330	47.04	1-15-69	1100	49.32	2-7-69	1900	48.19	3-2-69	1200	48.50
12-26-68	2100	47.89	1-24-69	0100	49.68	2-14-69	0130	48.93			
12-30-68	0700	47.05	1-28-69	0230	49.35	2-17-69	0700	49.12			

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		53.3 50.11	3/ 1/40 12/25/64	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
1969	A02280	SACRAMENTO RIVER BELOW WILKINS SLOUGH

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	31.09	30.95	39.45	47.90	47.78	40.27	36.34	38.15	34.39	31.43	33.02	1
2	NR	30.90	31.05	37.27	47.60	48.08	40.58	36.71	37.87	34.16	31.43	33.18	2
3	NR	30.55	31.06	35.91	47.30	47.61	40.39	36.62	37.61	34.07	31.43	33.26	3
4	NR	30.66	31.00	35.51	46.96	47.44	39.89	36.44	37.09	33.25	31.43	33.19	4
5	30.46	31.17	30.87	35.36	46.55	47.17	39.16	36.21	36.86	32.81	31.43	32.91	5
6	30.11	31.12	30.77	35.45	47.07	46.88	39.58	35.94	36.67	32.68	31.43	32.41	6
7	29.94	30.87	30.74	35.11	47.71	46.35	42.19	35.79	36.53	32.62	31.43	31.74	7
8	29.77	30.73	30.76	34.56	47.52	45.71	42.06	36.14	36.42	32.53	31.43	31.44	8
9	29.77	30.70	30.84	33.92	47.20	44.76	40.62	36.70	36.29	32.33	31.43	31.48	9
10	29.78	30.69	30.99	33.22	47.43	43.71	39.84	37.20	36.27	32.12	31.43	31.54	10
11	29.80	30.69	41.08	32.55	47.69	42.82	39.24	37.74	36.40	32.01	31.43	31.60	11
12	29.93	30.69	44.53	33.20	47.84	41.92	38.70	38.16	36.49	31.92	31.43	31.64	12
13	30.34	30.70	40.82	44.40	48.40	40.82	38.60	38.46	36.60	31.88	31.43	31.64	13
14	31.00	30.71	36.54	48.13	48.60	40.01	38.52	38.71	36.53	31.84	31.43	31.75	14
15	31.30	31.51	40.66	48.86	48.43	39.41	38.19	39.06	36.37	31.75	31.43	31.82	15
16	31.21	31.68	44.95	48.26	48.67	38.95	37.76	39.14	36.27	31.66	31.43	31.96	16
17	30.99	31.88	45.79	47.31	48.79	38.55	37.14	38.48	36.11	31.69	31.43	32.06	17
18	30.78	31.74	41.77	46.55	48.46	38.48	36.28	39.96	35.82	31.65	31.43	32.17	18
19	30.69	31.87	37.67	46.18	48.31	38.57	36.32	40.69	35.66	31.49	31.43	32.21	19
20	30.65	32.82	35.50	47.58	48.20	38.71	36.39	40.95	35.62	31.47	31.43	32.25	20
21	30.64	32.43	34.23	48.67	48.06	38.71	35.83	40.87	35.57	31.53	31.52	32.24	21
22	30.57	31.87	33.33	49.22	47.98	39.81	35.44	40.64	35.53	31.51	31.67	32.23	22
23	30.46	31.48	32.69	49.44	47.70	39.94	35.62	40.45	35.39	31.42	31.73	32.15	23
24	30.43	31.24	33.36	49.35	47.61	39.14	36.52	40.17	35.22	31.32	31.77	32.02	24
25	30.37	31.15	41.58	49.07	47.73	38.83	37.56	39.88	35.06	31.35	31.86	31.87	25
26	30.31	31.22	47.02	48.93	47.84	38.59	37.38	39.68	34.88	31.24	31.99	31.78	26
27	30.25	31.25	46.90	49.06	47.55	38.46	36.69	39.45	34.71	31.36	32.15	31.75	27
28	30.21	31.11	45.05	49.09	47.36	38.55	36.44	39.21	34.66	31.49	32.30	31.78	28
29	30.19	30.97	44.28	48.89		38.88	36.26	38.97	34.60	31.43	32.57	31.78	29
30	30.40	30.91	46.01	48.68		39.35	36.20	38.70	34.48	31.43	32.76	31.77	30
31	30.82		43.13	48.35		39.88		38.51		31.43	32.88		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
1-23-69	1845	49.53									

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 35	121 49 25	NE2 13N 1E	28900	51.41	2/27/48	APR 31-OCT 38 8	AUG 31-DATE	1931		0.00	USED
			27500	49.91	12/25/64	JAN 39-DATE					

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.

8 - Irrigation season only.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT

(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1969	A02240	SACRAMENTO RIVER NEAR ROUGH AND READY BEND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	23.7	22.6	22.8	32.8	41.7	41.1	32.2	29.8	30.5	25.7	23.1	25.7	1
2	23.8	22.8	22.8	31.5	41.4	41.5	32.6	30.0	30.1	24.7	23.3	25.8	2
3	23.5	22.7	23.0	28.6	40.9	41.4	32.8	30.1	30.0	25.5	23.3	25.8	3
4	23.0	22.5	23.0	28.1	40.5	41.0	32.5	29.5	29.6	25.0	23.3	26.0	4
5	22.6	23.0	23.0	27.7	40.1	40.7	32.4	28.9	29.0	24.4	23.3	26.0	5
6	22.1	23.2	23.0	27.5	40.1	40.3	32.5	28.5	28.8	24.2	23.3	25.6	6
7	22.0	23.4	23.0	27.4	40.8	40.0	34.8	28.0	28.5	24.2	23.5	25.0	7
8	21.8	22.8	23.0	27.2	41.0	39.3	35.7	28.0	28.5	24.1	23.5	24.7	8
9	21.8	22.8	23.0	26.5	40.5	38.6	35.8	28.5	28.1	23.9	23.5	24.5	9
10	21.8	22.7	23.0	25.9	40.5	37.3	34.1	29.0	28.1	23.8	23.7	24.5	10
11	21.7	22.7	24.1	24.9	40.7	36.2	33.5	29.6	28.0	23.7	23.7	24.5	11
12	21.7	22.8	34.4	24.5	41.1	35.0	32.8	30.2	28.3	23.6	23.7	24.5	12
13	21.0	22.6	33.9	31.8	41.6	33.8	32.4	30.8	28.6	23.5	23.8	24.5	13
14	22.7	23.4	29.5	39.2	41.9	32.9	32.4	30.8	28.5	23.4	23.8	24.6	14
15	23.0	23.5	29.7	41.4	41.9	32.0	32.0	31.1	28.4	23.4	23.8	24.7	15
16	23.0	23.5	35.1	42.0	42.1	31.5	31.8	32.0	28.2	23.4	23.8	24.7	16
17	23.0	23.8	37.1	41.4	42.5	31.2	31.1	32.0	28.0	23.4	23.8	24.7	17
18	22.7	23.9	34.8	40.6	42.3	30.8	30.5	32.0	27.6	23.3	24.1	24.9	18
19	22.5	23.6	31.0	39.9	42.0	30.5	30.0	33.5	27.5	23.3	24.1	24.9	19
20	22.1	24.5	28.5	40.4	41.8	31.0	30.1	34.0	27.4	23.0	24.2	24.9	20
21	22.6	24.7	27.1	41.8	41.6	31.5	29.7	34.1	27.3	23.0	24.1	24.8	21
22	22.5	24.1	26.0	42.6	41.5	31.5	29.3	33.9	27.3	23.0	24.1	24.8	22
23	22.4	23.6	26.3	43.1	41.3	31.8	28.8	33.8	27.2	23.1	24.3	24.7	23
24	22.4	23.3	24.9	43.1	41.0	32.0	29.4	33.5	27.0	23.0	24.4	24.6	24
25	22.4	23.2	28.5	42.9	41.2	31.7	30.4	33.0	26.7	23.0	24.5	24.3	25
26	22.4	23.1	37.3	42.7	41.4	31.1	31.1	32.5	26.5	23.0	24.5	24.1	26
27	22.1	23.3	38.4	42.8	41.2	30.7	30.6	32.3	26.5	23.0	24.6	24.0	27
28	22.0	23.1	37.4	42.8	40.9	30.7	30.4	32.0	26.1	23.0	24.8	24.0	28
29	22.2	23.0	35.5	42.7		31.0	30.1	31.7	26.2	23.3	24.8	24.0	29
30	22.2	22.8	37.6	42.4		31.1	30.0	31.0	26.0	23.2	25.2	23.9	30
31	22.6		36.2	42.1		32.0		30.8		23.1	25.2		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

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 51 45	121 47 29	NE30 12N 2E					MAR 37-DATE	1937		0.00	USED

Staff located at Reclamation District 108 drainage pumping plant, 4.5 mi. E of Robbins. Gage read twice daily during periods of pump operation and daily when pump not in operation by pump operators. Publication of stage discontinued Oct. 1, 1969.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT

(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1969	A02976	COLUSA BASIN DRAIN AT HIGHWAY 20

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	38.80 E	38.65	38.21	40.61	42.77	49.26	39.77	38.73	40.42	40.35	41.91	43.06	1
2	38.66 E	38.71	38.15	40.18	41.81	49.35	40.14	38.96	40.28	40.06	42.00	43.03	2
3	38.44 E	39.53	38.03	39.93	41.14	49.43	40.56	39.50	40.40	39.96	41.97	43.15	3
4	38.36	39.71	38.02	39.68	40.66	49.36	40.56	40.57	40.46	40.06	41.96	43.24	4
5	38.32	39.88	38.06	39.43	41.84	49.00	40.07	41.01	40.48	40.11	41.74	43.23	5
6	38.33	39.84	38.05	39.37	47.26	48.15	40.02	39.95	40.56	40.26	41.58	43.28	6
7	38.40	39.94	38.03	39.24	48.26	46.66	40.14	39.86	40.71	40.29	41.52	43.13	7
8	38.18	40.81 E	38.08	39.14	47.82	44.85	39.75 E	40.09	40.83	40.27	41.57	43.21	8
9	38.07	40.75 E	38.06	39.08	47.51	43.41	39.69 E	41.13	41.30	40.12	41.64	43.20	9
10	38.01	40.71 E	38.59	38.93	47.31	46.03	39.43 E	42.32	42.53	40.38	41.81	42.84	10
11	38.08	40.56 E	39.68	39.00	46.89	45.35	39.44 E	43.31	43.02	40.59	41.97	42.60	11
12	38.11	40.41 E	39.30	40.34	48.33	42.65	39.60 E	44.05	43.80	40.71	41.91	42.50	12
13	38.03	40.26 E	39.03	46.16	48.48	41.87	39.63 E	44.64	43.87	41.01	41.77	42.34	13
14	38.14	40.10 E	41.06	47.81	48.45	41.28	39.66 E	44.83	43.48	41.96	41.56	42.08	14
15	38.39	39.96 E	43.06	47.62	49.61	40.96	39.53 E	44.61	43.08	40.78	41.56	42.15	15
16	38.37	39.81 E	44.40	47.56	50.38	40.66	39.85 E	44.35	42.53	40.91	41.86	42.10	16
17	38.16	39.66 E	42.47	47.39	50.82	40.59	39.12 E	44.20	41.71	40.96	42.22	41.86	17
18	38.13	39.51 E	41.12	46.63	50.93	40.55	39.04 E	43.89	41.42	41.00	41.99	41.60	18
19	38.40	39.35 E	40.47	47.88	50.82	40.18	39.20 E	43.84	41.43	40.95	42.10	41.23	19
20	38.36	39.21 E	39.99	48.61	50.54	40.02	38.92 E	43.55	41.34	41.23	42.23	40.76	20
21	38.31	39.06 E	39.58	49.12	50.12	41.59	38.82 E	43.33	41.36	41.36	42.46	40.36	21
22	38.28	38.91 E	39.30	49.75	49.54	42.23	38.54 E	43.43	41.50	41.32	42.55	39.94	22
23	38.30	38.76 E	39.66	49.78	48.79	40.90	38.72 E	43.18	41.58	41.52	42.52	39.51	23
24	38.27	38.61 E	42.96	49.69	48.48	40.14	39.12 E	42.97	41.39	41.58	42.42	38.99	24
25	38.35	38.46 E	45.97	49.39	48.77	39.73	39.20 E	42.89	40.81	41.46	42.44	38.73	25
26	38.43	38.31 E	46.51	49.14	48.51	39.48	39.32 E	42.66	40.64	41.58	42.90	38.62	26
27	38.30	38.37	45.11	48.86	48.03	39.31	39.24 E	42.48	40.46	41.79	42.90	38.58	27
28	38.31	38.28	43.46	48.15	48.37	39.28	39.16 E	42.36	40.36	41.86	43.10	38.56	28
29	38.46	38.18	43.02	46.90		39.12	38.98 E	42.18	40.46	41.88	43.14	38.55	29
30	38.84	38.19	42.10	45.34		38.89	38.96 E	41.69	40.47	41.83	43.12	38.54	30
31	38.75		41.16	44.02		39.55		41.00		41.87	43.16		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
12-26-68	0445	46.73	2-18-69	0730	50.96						
1-22-69	1945	49.88	3- 3-69	0430	49.48						

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 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
1969	A00180	COLUSA BASIN DRAIN NEAR COLLEGE CITY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	25.36 E	25.29	24.49	27.88	32.66	33.20	26.68	25.79	27.37	26.05	27.18	28.70	1
2	25.29 E	25.19	24.45	27.37	31.74	33.20	27.03	25.54	26.99	25.81	27.29	28.66	2
3	25.25 E	25.86	24.35	26.67	30.63	33.12	27.31	25.81	26.87	25.66	27.26	28.73	3
4	25.05	26.04	24.28	26.13	29.46	32.95	27.49	26.28	26.73	25.77	27.27	28.97	4
5	25.10	26.14	24.36	25.72	29.15	32.80	27.39	27.06	26.46	25.80	27.12	29.08	5
6	25.10	26.25	24.39	25.53	32.21	32.45	27.18	26.24	26.43	25.92	26.95	29.10	6
7	25.03	26.00	24.33	25.41	33.00	31.66	27.12	25.68	26.47	25.88	26.96	29.08	7
8	24.90	26.39	24.36	25.23	32.99	30.55	26.98	25.55	26.60	25.88	27.07	29.03	8
9	24.82	26.34	24.39	25.22	32.91	29.18	26.84	26.29	26.78	25.59	27.09	29.17	9
10	24.79	25.57	24.54	25.11	32.82	28.81	26.63	27.47	27.68	25.78	27.17	28.87	10
11	24.80	25.14	25.40	25.05	32.76	29.27	26.49	28.56	28.19	25.95	27.31	28.65	11
12	24.91	24.96	25.44	25.53	33.20	26.90	26.54	29.49	28.94	26.05	27.31	28.41	12
13	24.75	24.62	25.42	29.83	33.33	24.61	26.47	30.04	29.23	26.29	27.44	28.34	13
14	24.77	24.73	26.53	32.50	33.38	22.88	26.65	30.39	29.04	26.35	27.16	28.09	14
15	24.86	25.06	28.53	32.67	34.38	21.80	26.27	30.51	28.66	26.15	27.17	28.11	15
16	24.82	25.99	30.32	32.68	34.59	21.06	26.30	30.44	28.19	26.28	27.39	28.26	16
17	24.74	25.61	29.76	32.72	34.80	20.69	26.06	30.38	27.53	26.38	27.75	28.01	17
18	24.61	25.45	28.63	32.63	35.18	23.16	25.72	30.31	27.11	26.38	27.61	27.69	18
19	24.83	25.68	27.80	33.13	35.49	27.31	25.89	30.27	27.10	26.22	27.68	27.33	19
20	24.85	25.57	26.74	33.72	35.59	27.12	25.89	30.08	27.01	26.48	27.85	26.91	20
21	24.83	25.41	25.93	34.12	35.51	27.60	25.84	29.86	26.92	26.61	27.98	26.57	21
22	24.83	25.14	25.43	34.40	35.13	28.71	25.61	29.81	27.07	26.64	28.18	26.29	22
23	24.87	24.97	25.38	34.44	34.81	28.11	25.48	29.67	27.15	26.74	28.18	25.99	23
24	24.82	24.99	27.11	34.50	34.65	27.26	25.73	29.52	27.04	26.82	28.09	25.58	24
25	24.81	24.84	30.08	34.59	34.11	26.90	25.69	29.49	26.58	26.70	28.02	25.41	25
26	24.97	24.69	31.60	34.88	33.56	26.67	25.85	29.31	26.37	26.68	28.46	25.26	26
27	24.81	24.63	31.53	34.79	33.13	26.50	25.98	29.13	26.26	27.02	28.49	25.17	27
28	24.88	24.62	30.51	34.64	33.03	26.42	26.04	28.89	26.13	27.16	28.61	25.08	28
29	25.02	24.51	29.87	34.36		26.40	25.97	28.72	26.20	27.20	28.67	25.06	29
30	25.23	24.45	29.26	33.91		26.22	25.95	28.31	26.21	27.13	28.70	24.99	30
31	25.35		28.47	33.28		26.33		27.81		27.13	28.79		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-26-68	1800	31.81	2-20-69	1245	35.64						
1-26-69	0700	34.96	3- 2-69	1445	33.25						

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 00 38	121 58 38	NE4 13N 1W				OCT 44-APR 52 MAR 54-FEB 58	OCT 44-APR 52 MAR 54-FEB 58 JUN 58-DATE	1957	1957	-0.34 0.00	USED USED

Station located 0.1 mi. below highway bridge, 1.7 mi. E of College City. Flow is drainage chiefly from lands irrigated by Glenn-Colusa, Provident, Princeton-Codora-Glenn, Compton-Delevan, and Maxwell Irrigation Districts. Backwater from Knights Landing Outfall Gates at times affects stage-discharge relationship. Publication of stage discontinued Oct. 1, 1969.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT

(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1969	A02945	COLUSA BASIN DRAIN AT KNIGHTS LANDING

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	24.52 E	24.49	23.01	26.82	30.63	30.60	25.98	25.66	26.43	24.49	24.50	24.50	1
2	24.53 E	24.50	23.01	26.29	29.88	30.54	26.09	25.48	26.19	24.49	24.49	24.50	2
3	24.52 E	24.50	23.01	25.26	28.96	30.48	26.23	25.46	25.99	24.50	24.49	24.50	3
4	24.50	24.52	23.00	24.41	28.08	30.38	26.32	25.56	25.61	24.49	24.50	24.50	4
5	24.51	24.50	23.01	23.90	27.44	30.22	26.34	25.44	25.13	24.49	24.49	24.49	5
6	24.52	24.48	23.01	23.61	28.34	30.11	26.28	25.05	24.81	24.49	24.50	24.50	6
7	24.51	24.51	23.01	23.41	28.82	29.98	26.21	24.63	24.58	24.49	24.50	24.49	7
8	24.52	24.47	23.00	23.09	28.97	29.73	26.19	24.51	24.47	24.50	24.49	24.49	8
9	24.52	24.12	23.01	22.51	29.03	29.35	26.11	24.84	24.44	24.49	24.49	24.50	9
10	24.51	24.04	23.00	22.03	29.05	28.91	26.07	25.43	24.56	24.49	24.50	24.50	10
11	24.51	24.01	23.00	21.48	29.03	28.76	25.95	26.11	24.62	24.49	24.49	24.49	11
12	24.51	24.01	22.65	21.51	29.39	28.53	25.96	26.72	24.88	24.50	24.49	24.50	12
13	24.49	24.02	21.19	24.73	29.68	27.96	25.87	27.14	25.07	24.50	24.50	24.50	13
14	24.50	24.02	21.20	28.25	29.88	27.37	25.96	27.37	25.08	24.50	24.49	24.50	14
15	24.51	24.02	22.92	28.61	30.55	26.97	25.88	27.70	24.94	24.50	24.50	24.50	15
16	24.51	24.02	24.05	29.01	31.13	26.72	25.78	27.85	24.70	24.50	24.50	24.50	16
17	24.51	24.02	24.88	29.11	31.29	26.56	25.76	27.83	24.48	24.49	24.50	24.49	17
18	24.48	24.03	25.24	28.97	31.46	26.50	25.59	27.80	24.48	24.49	24.50	24.49	18
19	24.49	24.02	26.92	29.20	31.61	26.39	25.52	27.77	24.49	24.49	24.49	24.50	19
20	24.50	24.01	25.14	29.61	31.67	26.28	25.66	27.73	24.50	24.50	24.49	24.51	20
21	24.50	24.04	23.71	30.63	31.62	26.31	25.61	27.62	24.50	24.49	24.49	24.50	21
22	24.51	24.00	22.58	31.47	31.51	26.74	25.52	27.53	24.50	24.49	24.49	24.51	22
23	24.51	24.01	21.89	31.97	31.30	26.78	25.41	27.46	24.50	24.50	24.50	24.51	23
24	24.49	23.54	21.78	32.01	31.16	26.40	25.45	27.39	24.50	24.49	24.50	24.50	24
25	24.51	23.49	24.74	31.95	31.21	26.19	25.56	27.37	24.50	24.49	24.50	24.51	25
26	24.52	23.52	27.85	32.11	31.06	26.08	25.61	27.32	24.50	24.50	24.50	24.51	26
27	24.51	23.51	28.22	32.38	30.79	26.00	25.64	27.25	24.50	24.50	24.49	24.50	27
28	24.50	23.48	28.03	32.25	30.55	25.94	25.69	27.13	24.50	24.50	24.50	24.51	28
29	24.51	23.02	27.73	31.98		25.92	25.71	27.03	24.49	24.50	24.49	24.51	29
30	24.51	23.01	27.48	31.65		25.89	25.66	26.87	24.50	24.50	24.50	24.50	30
31	24.50		27.13	31.21		25.85		26.63		24.50	24.50		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
12-27-68	0545	28.25	2-20-69	0330	31.75						
1-27-69	0615	32.43	3- 1-69	0515	30.67						

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 δ JAN 40-DATE	MAY 24-OCT 39 δ 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.

δ - Irrigation season only.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT

(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1969	A02200	SACRAMENTO RIVER AT KNIGHTS LANDING

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	19.33	18.80	18.59	27.76	37.86	37.14	27.54	26.93	26.38	21.31	19.41	22.23	1
2	19.51	18.67	18.68	25.81	37.41	37.30	27.94	26.83	25.99	21.13	19.44	22.32	2
3	19.23	18.58	18.70	24.54	36.99	37.27 *	28.13	26.37	25.85 *	20.93	19.48	22.40	3
4	18.71	18.55	18.67	23.72	36.61	37.04	28.39	25.30	25.19	20.55	19.50	22.50	4
5	18.23	18.94	18.56	23.26	36.23	36.74	28.96	24.94	24.65	19.89	19.59	22.50	5
6	17.95	19.11	18.46	23.02	36.31	36.40	29.86	24.54	24.30	19.73	19.88	22.21	6
7	17.67	19.02	18.41	22.83	36.69	36.00	31.41	24.18	24.05	19.69	19.92	21.82	7
8	17.57	18.84	18.46	22.49	36.74	35.43	31.95	24.14	23.91	19.68	19.91	21.45	8
9	17.49	18.80	18.59	21.89	36.59	34.48	31.50	24.45	23.72	19.52	20.10	21.42	9
10	17.44	18.66	18.96 *	21.36	36.56	33.20	31.10	24.98	23.64	19.34	20.19	21.36	10
11	17.44	18.52	21.03	20.69	36.76	31.91	30.50	25.66	23.77 *	19.31	20.12	21.40	11
12	17.59	18.59	27.80	20.80	37.16	30.62	29.83	26.24	23.94	19.35	20.19	21.35	12
13	17.77	18.57	27.45	27.85	37.49	29.33	29.51	26.68	24.04	19.30	20.33	21.26	13
14	18.28	18.91	24.55	34.62	37.60	28.31	29.33	26.89	24.05	19.37	20.35	21.31	14
15	18.75	19.21	25.30	36.75 *	37.83	27.53	29.12	27.54	23.97	19.34	20.34	21.31	15
16	18.82	19.37	28.99	37.66	38.04	26.98	28.84 *	28.66	23.82	19.27	20.38	21.38	16
17	18.70	19.66	30.22	37.23	38.17	26.58	28.22	28.64	23.58	19.23 *	20.57	21.49	17
18	18.54	19.56	28.83	36.61	38.18	26.46	27.56	29.37	23.21	19.10	20.60	21.47	18
19	18.35	19.44	26.06	36.23	38.02	26.48 *	27.10	30.07	22.95	18.90	20.60	21.42	19
20	18.39	20.09	24.30	36.95	37.77	26.73	27.00	30.42	22.80	18.87	20.64	21.36	20
21	18.37	20.27	22.91	38.12	37.55	26.98	26.69	30.47	22.73	18.97	20.68 *	21.24	21
22	18.31	19.84	21.79	38.77	37.41	27.74	26.25	30.39	22.70	19.00	20.82	21.13	22
23	18.20	19.28	21.04	39.18	37.27	28.46	26.04	30.24	22.70	18.91	20.96	21.03	23
24	18.14	19.03	20.78	39.07	37.19	28.14	26.53	29.86	22.57	18.95	21.01	20.92	24
25	18.05	18.90	24.96	38.38	37.25	27.65	27.16	29.17	22.28	19.09	21.07	20.69	25
26	18.06	18.97	31.11	38.83	37.28	26.80	27.57	28.78	22.05	19.13	21.18	20.54	26
27	17.96	18.95	32.05	39.05	37.17	26.30	27.74	28.31	21.79	19.21	21.39	20.50	27
28	17.90	18.77	31.34	38.86	36.99	26.20	27.61	27.82	21.65	19.44	21.52	20.43	28
29	17.92	18.64	30.37	38.60		26.31	27.43	27.46	21.52	19.46	21.74	20.23	29
30	18.11	18.58	31.57	38.42 *		26.71	27.11	27.03	21.45	19.40	21.94	19.97	30
31	18.44		30.50	38.21		27.17		26.67		19.35	22.12		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
12-27-68	1315	32.19	2-18-69	1300	38.20						
1-23-69	1615	39.22									

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 δ 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.

δ - Irrigation season only.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1969	A02972	BUTTE SLOUGH NEAR MERIDIAN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	40.95	40.43	41.06	48.39	54.51	52.97	46.57	44.84	46.28	42.86	43.38	42.68	1
2	40.87	40.37	41.09	47.30	53.67	53.82	46.61	45.11	46.04	42.68	43.46	42.77	2
3	40.54	40.32	41.05	46.16	52.80	53.87	46.60	45.05	45.86	42.61	43.59	42.87	3
4	40.08	40.43	41.00	45.48	51.89	53.28	46.62	45.02	45.65	42.25	43.64	42.80	4
5	39.87	40.64	40.96	45.07	51.03	52.53	46.30	44.90	45.45	42.05	42.76	42.61	5
6	39.75	40.64	40.92	44.86	50.74	51.68	46.46	44.76	45.25	42.00	41.95	42.37	6
7	39.80	40.59	40.92	44.55	52.24	50.88	46.97	44.75	45.15	42.00	41.79	42.17	7
8	39.61	40.54	40.84	44.12	52.70	50.15	47.04	44.98	45.08	41.97	41.70	42.09	8
9	39.50	40.49	40.85	43.51	52.14	49.56	46.87	45.27	44.99	41.84	41.70	42.13	9
10	39.47	40.33	41.06	43.20	52.06	49.13	46.57	45.57	44.96	41.88	41.75	42.14	10
11	39.49	40.35	43.82	42.81	52.77	48.73	46.32	45.91	45.05	42.05	41.82	42.00	11
12	39.58	40.39	46.14	43.75	53.24	48.38	46.07	46.20	45.13	42.35	41.83	42.03	12
13	39.85	40.54	46.19	48.25	54.59	47.96	46.01	46.40	45.26	42.52	41.81	42.08	13
14	40.30	40.83	44.88	53.82	55.88	47.47	45.99	46.56	45.22	42.47	41.81	42.07	14
15	40.56	40.78	46.61	56.74	55.96	47.07	45.80	46.74	45.11	42.47	41.85	41.97	15
16	40.52	41.02	47.61	56.57	56.35	46.74	45.55	46.67	45.01	42.47	41.87	41.97	16
17	40.31	41.28	48.25	54.92	57.00	46.50	45.17	46.39	44.84	42.49	41.94	42.02	17
18	40.13	41.25	48.41	53.58	56.71	46.42	44.71	47.04	44.64	42.58	41.72	42.09	18
19	40.06	41.52	47.78	52.69	56.01	46.39	44.85	47.19	44.49	42.68	41.57	42.11	19
20	40.04	42.20	46.97	52.43	55.41	46.36	44.80	47.18	44.41	42.88	41.51	42.07	20
21	40.04	42.10	45.99	54.00	54.94	46.36	44.34	47.20	44.32	43.05	41.54	41.95	21
22	39.98	41.87	44.82	56.47	54.53	46.73	44.12	47.21	44.21	43.19	41.62	41.78	22
23	39.94	41.69	43.79	57.93	53.92	46.77	44.33	47.21	43.78	43.04	41.67	41.43	23
24	39.94	41.56	43.97	58.21	53.40	46.47	45.02	47.15	43.61	42.90	41.58	41.10	24
25	39.93	41.54	46.90	57.70	53.37	46.25	45.70	47.10	43.75	42.78	41.63	40.68	25
26	39.88	41.52	49.31	57.14	53.59	46.13	45.47	47.02	43.48	42.84	41.82	40.52	26
27	39.85	41.39	51.65	57.04	53.25	46.05	44.99	46.94	43.17	42.90	42.14	40.58	27
28	39.84	41.36	51.12	57.22	52.68	46.10	44.83	46.85	43.13	42.99	42.29	40.59	28
29	39.88	41.21	50.48	56.88		46.32	44.69	46.74	43.01	43.14	42.40	40.55	29
30	40.03	41.12	49.99	56.37		46.49	44.65	46.61	42.98	43.24	42.43	40.52	30
31	40.28		49.45	55.59		46.55		46.50		43.32	42.51		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-27-68	1030	51.79	2-17-69	1315	57.10						
1-24-69	0300	58.30	3- 2-69	2345	54.06						

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 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 .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
1969	A05935	SUTTER BYPASS AT LONG BRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	38.36 E	37.04	37.03	41.03	47.96	46.08	39.53	39.51	39.97	40.04	40.98	40.10	1
2	38.33	37.04	37.03	40.20	47.04	47.02	39.91	39.60	39.88	40.12	40.96	37.77	2
3	38.25	37.04	37.03	39.55	46.09	47.16	39.97	39.60	39.81	40.24	41.00	40.05	3
4	38.12	37.04	37.03	39.18	45.07	46.53	39.98	39.60	39.94	40.13	41.04	39.99	4
5	38.04	37.03	37.03	38.95	44.18	45.76	39.87	39.57	40.15	40.06	40.74	39.78	5
6	38.03	37.03	37.03	38.82	43.65	44.87	39.81	39.52	40.09	40.04	40.51	39.58	6
7	37.68	37.03	37.03	38.64	45.12	44.04	40.11	39.49	40.06	40.04	40.48	39.52	7
8	37.40	37.03	37.03	38.42	45.93	43.43	40.28	39.56	40.09	40.04	40.44	39.49	8
9	37.35	37.03	37.03	38.09	45.35	42.93	40.21	39.65	40.12	39.99	40.44	39.50	9
10	37.26	37.03	37.03	37.92	45.10	42.57	40.02	39.74	40.08	40.07	40.47	39.51	10
11	37.13	37.03	37.36	37.76	45.91	42.35	39.85	39.83	40.10	40.21	40.50	39.46	11
12	37.06	37.03	38.29	38.18	46.42	42.02	39.73	39.91	40.13	40.48	40.53	39.47	12
13	37.06	37.02	38.43	40.18	47.72	41.47	39.69	39.95	40.17	40.75	40.51	39.48	13
14	37.06	37.02	37.92	45.88	49.09	40.85	39.65	39.94	40.16	40.80	40.51	39.49	14
15	37.05	37.03	38.34	49.79	49.26	40.39	39.61	39.98	40.13	40.84	40.53	39.47	15
16	37.05	37.03	38.67	49.98	49.54	37.61	39.53	39.99	40.10	40.83	40.55	39.47	16
17	37.05	37.03	38.88	48.44	50.21	36.04	39.43	39.91	40.04	40.86	40.51	39.13	17
18	37.04	37.03	39.24	46.94	50.02	39.73	39.27	40.07	39.96	40.90	40.34	38.74	18
19	37.04	37.03	39.69	45.89	49.35	39.62	39.30	40.15	39.97	40.94	40.21	38.24	19
20	37.04	37.03	39.37	45.41	48.75	39.59	39.30	40.27	40.20	40.98	40.17	37.94	20
21	37.04	37.03	38.97	47.07	48.28	39.55	39.21	40.38	40.19	40.98	40.17	37.92	21
22	37.04	37.03	38.43	49.55	47.90	39.64	39.26	40.36	40.16	40.92	40.20	37.58	22
23	37.04	37.03	37.83	51.19	47.30	39.81	39.33	40.35	40.01	40.85	40.24	37.16	23
24	37.04	37.03	37.79	51.65	46.71	39.63	39.55	40.39	40.03	40.79	40.20	37.16	24
25	37.04	37.03	38.97	51.19	46.60	39.47	39.76	40.40	40.30	40.79	40.09	37.16	25
26	37.04	37.03	39.92	50.53	46.83	39.38	39.73	40.38	40.24	40.84	40.02	37.16	26
27	37.04	37.03	43.45	50.37	46.54	39.32	39.60	40.34	40.14	40.87	40.12	37.16	27
28	37.04	37.03	43.58	50.53	45.91	39.29	39.54	40.28	40.12	40.90	40.16	37.16	28
29	37.04	37.03	42.93	50.26		38.22	39.50	40.20	40.09	40.95	40.17	37.16	29
30	37.04	37.03	42.40	49.73		37.15	39.47	40.12	40.08	40.98	40.09	37.16	30
31	37.04		41.89	49.02		37.78		40.05		40.98	40.06		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-27-68	1830	43.95	2-17-69	1630	50.32						
1-24-69	0830	51.72	3- 3-69	0330	47.33						

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 08 46	121 50 31	SE15 15N 1E		57.7 53.23	3/ 1/40 12/25/64		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
1969	A05929	WADSWORTH CANAL NEAR SUTTER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	40.16	39.45	39.44	39.27	45.16	44.37	39.37	39.19	40.57	40.15	40.77	41.08	1
2	39.98	39.52	39.44	39.25	44.21	44.32	39.31	38.96	40.58	40.01	40.90	41.01	2
3	39.95	39.51	39.46	39.23	43.31	44.43	39.26	39.28	40.46	40.06	40.80	41.15	3
4	40.07	39.46	39.45	39.19	42.55	43.76	39.19	39.51	40.49	40.21	40.76	41.12	4
5	40.11	39.41	39.48	39.10	42.03	43.09	39.32	39.81	40.44	40.21	40.67	40.94	5
6	40.27	39.46	39.48	39.05	42.12	42.42	39.30	39.09	40.25	40.30	40.66	41.09	6
7	40.54	39.43	39.43	39.02	42.21	41.71	39.20	39.01	40.59	40.56	40.65	41.25	7
8	40.50	39.41	39.43	38.98	43.03	41.04	39.15	39.60	40.95	40.37	40.67	41.23	8
9	40.27	39.39	39.45	38.90	43.03	40.57	39.11	39.77	41.35	40.01	40.62	41.17	9
10	40.30	39.31	39.54	38.92	42.78	40.42	39.08	40.29	41.02	40.33	40.67	40.45	10
11	40.46	39.30	39.66	39.12	43.62	40.24	39.04	40.58	40.99	40.44	40.75	40.40	11
12	40.69	39.35	39.58	42.74	44.58	40.16	39.01	40.81	40.99	40.45	41.09	40.59	12
13	40.81	39.36	39.20	47.29	44.76	40.11	38.96	40.58	40.79	40.60	40.82	40.60	13
14	40.76	39.42	40.22	46.13	46.19	40.01	38.86	40.33	40.70	40.45	40.58	40.79	14
15	40.72	39.67	40.61	47.48	47.37	39.93	38.54	40.33	40.65	40.12	40.58	41.32	15
16	40.81	39.70	40.59	47.62	47.27	39.88	38.79	40.66	40.33	40.04	40.89	41.29	16
17	40.88	39.55	40.03	46.00	47.57	39.99	39.10	41.00	39.71	40.10	40.89	41.01	17
18	40.85	39.51	39.84	44.68	47.51	39.90	39.41	41.41	39.73	40.23	40.77	40.74	18
19	40.88	39.62	39.65	45.40	46.73	39.78	39.31	41.26	39.57	40.45	40.51	40.60	19
20	40.91	39.61	39.52	44.88	45.95	39.72	39.20	41.26	39.69	40.70	40.30	40.80	20
21	40.84	39.66	39.40	46.20	45.39	39.86	39.44	40.92	39.87	40.61	40.39	41.20	21
22	40.88	39.56	39.28	47.52	44.97	39.77	40.07	40.95	40.34	40.25	40.58	40.99	22
23	40.83	39.50	39.20	48.73	44.55	39.67	40.33	40.88	40.33	40.53	40.93	40.58	23
24	40.85	39.52	39.52	49.15	44.41	39.53	40.53	41.11	40.22	40.39	40.88	40.45	24
25	40.79	39.47	40.15	48.75	44.18	39.44	40.58	40.71	40.34	40.30	40.51	40.31	25
26	40.77	39.47	39.98	48.56	44.16	39.47	40.27	40.75	40.15	40.57	40.46	40.21	26
27	40.73	39.47	40.26	48.02	43.81	39.44	39.58	41.01	40.10	40.74	40.67	40.09	27
28	40.95	39.48	41.21	47.96	44.01	39.39	39.05	41.09	40.11	40.90	40.57	40.38	28
29	40.97	39.47	40.63	47.64		39.36	39.37	40.97	40.17	40.78	40.82	40.40	29
30	40.67	39.48	39.93	47.02		39.31	39.26	40.88	40.29	40.67	40.81	40.22	30
31	39.92		39.49	46.24		39.38		40.53		40.78	40.87		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-24-69	1120	49.18									
2-15-69	1100	47.82									

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		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. 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	A02308	TISDALE BYPASS AT RECLAMATION DISTRICT 1660 PUMPING PLANT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	22.90	22.60	23.12	33.80	43.10	40.78	25.80	26.64	28.16	24.40	24.60	24.52	1
2	22.90	22.70	23.10	33.30	41.96	41.70	27.08	26.50	27.98	24.36	24.36	24.50	2
3	22.84	22.86	23.04	32.60	40.80	41.98	27.90	26.56	27.68	24.16	24.30	24.54	3
4	22.80	22.80	23.04	31.30	39.52	41.20	28.14	26.14	27.42	23.84	24.52	24.72	4
5	22.72	22.78	23.06	29.72	38.10	40.34	28.64	26.66	27.06	23.68	24.60	24.74	5
6	22.70	22.80	23.04	28.50	38.30	39.16	29.10	26.04	26.60	23.60	24.40	24.70	6
7	22.58	22.80	23.02	27.62	40.00	37.84	29.66	25.54	26.48	23.60	23.30	24.66	7
8	22.60	22.80	23.00	27.00	40.42	36.28	30.36	25.12	26.32	23.50	23.10	24.60	8
9	22.58	22.90	22.98	25.90	39.90	34.80	30.76	25.24	26.32	23.60	22.86	24.40	9
10	22.60	22.84	23.00	25.58	39.64	34.12	30.84	25.86	26.46	23.62	22.96	24.54	10
11	22.56	22.78	23.10	25.64	40.42	33.70	30.68	26.78	26.44	23.64	22.98	24.42	11
12	22.76	22.80	24.12	26.24	40.86	33.40	30.28	27.00	26.40	23.66	23.20	24.00	12
13	22.78	22.72	25.62	27.40	42.00	33.06	29.70	27.42	26.36	23.58	23.18	23.92	13
14	22.74	22.70	27.84	40.12	43.50	32.72	29.30	27.66	26.34	23.70	23.20	23.88	14
15	22.84	23.00	27.06	42.90	44.06	32.08	29.00	27.90	26.30	23.84	23.22	23.78	15
16	22.82	22.96	27.30	44.72	44.22	31.20	28.80	28.26	26.14	23.60	23.20	23.70	16
17	22.78	22.92	35.94	43.16	44.98	30.38	28.46	28.80	26.04	23.46	23.46	23.96	17
18	22.70	23.00	31.20	41.00	44.98	29.72	28.00	29.00	25.34	23.60	23.42	24.34	18
19	22.62	23.10	30.08	39.12	44.32	29.12	27.46	29.54	25.06	23.64	23.40	24.30	19
20	22.66	23.42	29.60	39.70	43.64	28.78	27.20	30.10	25.08	23.64	23.46	24.28	20
21	22.66	23.50	28.90	41.66	43.10	28.70	27.08	30.36	25.30	23.96	23.20	24.20	21
22	22.52	23.54	28.20	43.94	42.72	28.52	26.32	30.60	25.20	24.00	23.20	24.14	22
23	22.46	23.50	27.50	45.90	42.20	28.74	25.84	30.68	25.34	23.86	23.62	24.16	23
24	22.50	23.42	26.50	46.50	41.68	28.94	25.98	30.62	25.36	23.76	23.30	23.60	24
25	22.50	23.40	26.22	46.26	41.34	28.88	26.40	30.50	24.84	23.70	23.30	23.26	25
26	22.54	23.28	38.20	45.64	41.60	28.64	27.20	30.16	24.64	23.58	23.50	23.06	26
27	22.56	23.20	38.98	45.52	41.34	28.08	27.78	29.86	24.70	23.48	23.40	22.94	27
28	22.58	23.14	35.90	45.60	40.64	27.78	27.52	29.58	24.50	23.50	23.46	22.80	28
29	22.60	23.12	34.70	45.44		27.64	27.20	29.30	24.48	23.96	24.20	22.78	29
30	22.64	23.20	36.80	44.82		26.62	26.82	28.90	24.50	24.04	23.96	22.56	30
31	22.62		34.40	44.24		25.60		28.50		24.16	24.40		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

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 01 44	121 46 53	SE30 14N 2E				JAN 25-DATE				0.00	USED

Staff located on north levee at Reclamation District 1660 drainage pumping plant, 2.1 mi. E of Tisdale Weir, 6.8 mi. SE of Grimes. Gage read twice daily by pump operators. Publication of stage discontinued Oct. 1, 1969.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT

(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1969	A02927	SUTTER BYPASS AT RECLAMATION DISTRICT 1500 PUMPING PLANT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	14.84	14.64	14.55	25.97	35.97 E	35.01 E	23.46 E	24.91	23.28	15.91	16.18	19.07	1
2	14.94	14.51	14.56	24.25	35.93 E	35.12 E	23.96 E	24.58	22.98	15.72	16.17	19.06	2
3	14.77	14.54	14.57	22.25	34.76 E	35.11 E	24.33	23.99	22.55	15.52	16.22	19.19	3
4	14.45	14.69	14.50	20.51	34.30 E	34.84 E	25.26	22.48	21.67	15.25	16.23	19.37	4
5	14.18	14.90	14.49	19.40	33.82 E	34.47 E	26.53	21.77	20.68	14.88	16.32	19.45	5
6	13.93	14.93	14.38	18.77	34.05 E	34.02 E	27.66	21.33	20.05	14.71	16.66	19.27	6
7	13.67	14.84	14.35	18.39	34.25 E	33.48 E	28.77	21.02	19.74	14.87	16.78	19.19	7
8	13.55	14.72	14.45	17.90	34.31 E	32.75 E	29.32	20.95	19.36	15.05	16.73	18.72	8
9	13.51	14.65	14.46	17.29	34.29 E	31.68 E	29.29	21.15	18.97	14.98	16.93	18.78	9
10	13.42	14.60	14.81	16.77	34.32 E	30.48 E	29.10	21.66	18.88	14.88	17.05	18.55	10
11	13.38	14.48	15.84	16.46	34.44 E	29.24 E	28.60	22.28	18.85	14.95	16.88	18.54	11
12	13.60	14.56	20.49	17.98	35.02 E	28.13 E	27.94	22.85	18.86	15.03	16.97	18.45	12
13	13.87	14.50	21.33	24.19	35.42 E	27.14 E	27.53	23.38	18.78	15.04	17.33	18.39	13
14	14.28	14.72	19.74	31.03	35.74 E	26.20 E	27.31	23.65	18.77	15.14	17.45	18.40	14
15	14.68	14.96	20.00	34.71	35.98 E	25.13 E	27.09	24.64	18.76	15.18	17.39	18.38	15
16	14.63	15.19	22.34	35.30	36.31 E	24.17 E	26.82	26.08	18.51	15.07	17.41	18.42	16
17	14.67	15.36	23.71	35.07 E	36.34 E	23.51 E	26.35	26.47	18.37	14.95	17.51	18.54	17
18	14.52	15.27	23.56	34.31 E	36.26 E	23.25 E	25.80	26.82	18.02	14.95	17.61	18.47	18
19	14.41	15.35	22.09	33.99 E	36.05 E	23.15 E	25.23	27.45	17.69	14.91	17.67	18.41	19
20	14.44	15.59	20.50	35.01 E	35.74 E	23.32 E	24.97	27.87	17.48	14.90	17.66	18.37	20
21	14.39	15.80	19.12	36.26 E	35.46 E	23.78 E	24.73	28.02	17.29	14.97	17.69	18.21	21
22	14.30	15.59	18.12	36.99 E	35.28 E	24.43 E	24.29	28.00	17.39	15.11	17.90 E	18.13	22
23	14.22	15.19	17.42	37.45 E	35.15 E	25.19 E	23.95	27.89	17.45	15.12	18.07 E	18.05	23
24	14.15	15.02	16.95	37.27 E	35.06 E	25.23 E	24.26	27.54	17.29	15.16	18.08 E	17.90	24
25	14.12	14.84	19.32	37.18 E	35.13 E	24.81 E	24.66	26.84	16.89	15.41	18.08 E	17.72	25
26	14.12	14.76	24.50	37.22 E	35.21 E	23.78 E	25.20	26.29	16.62	15.73	18.13 E	17.61	26
27	14.06	14.73	26.20	37.41 E	35.01 E	22.85 E	25.82	25.73	16.31	15.76	18.31 E	17.56	27
28	14.02	14.66	27.13	37.19 E	34.77 E	22.49 E	25.82	25.11	16.05	15.90	18.44 E	17.40	28
29	14.07	14.51	27.37	36.93 E		22.52 E	25.64	24.64	15.98	16.06	18.61	16.98	29
30	14.26	14.56	27.38	36.64 E		22.74 E	25.24	24.07	15.94	18.08	18.80	16.53	30
31	14.52		27.24	36.37 E		23.01 E		23.62		16.06	19.08		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
							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
1969	A02170	SACRAMENTO RIVER AT FREMONT WEIR, WEST END

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	16.75	16.40	16.25	25.21	36.13	35.43	25.14	25.68	24.33	18.19	17.33	20.20	1
2	16.87	16.27	16.31	23.39	35.65	35.53	25.57	25.43	24.01	17.95	17.36	20.24	2
3	16.64	16.24	16.33	22.07	35.22	35.50	25.86	24.79	23.59	17.83	17.42	20.32	3
4	16.20	16.34	16.28	21.14	34.85	35.29	26.55	23.41	22.89	17.45	17.41	20.44	4
5	15.83	16.65	16.21	20.59	34.47	34.99	27.56	22.93	22.14	16.97	17.53	20.49	5
6	15.58	16.73	16.13	20.27	34.64	34.65	28.56	22.54	21.68	16.83	17.96	20.34	6
7	15.33	16.60	16.09	20.08	34.85	34.26	29.84	22.23	21.40	16.88	18.03	19.98	7
8	15.25	16.46	16.14	19.73	34.88	33.70	30.37	22.20	21.14	16.92	18.03	19.64	8
9	15.18	16.42	16.23	19.18	34.86	32.68	30.15	22.44	20.83	16.78	18.28	19.62	9
10	15.13	16.31	16.54	18.68	34.89	31.37	29.87	22.95	20.72	16.65	18.41	19.53	10
11	15.13	16.20	18.09	18.15	34.99	30.01	29.27	23.57	20.80	16.68	18.42	19.55	11
12	15.30	16.26	23.84	18.59	35.45	28.55	28.57	24.16	20.88	16.72	18.40	19.51	12
13	15.51	16.25	23.96	24.91	35.74	27.20	28.23	24.62	20.89	16.70	18.52	19.43	13
14	15.97	16.51	21.62	32.11	35.97	26.15	28.03	24.87	20.88	16.79	18.54	19.47	14
15	16.34	16.78	22.21	34.81	36.15	25.34	27.83	25.82	20.81	16.74	18.51	19.48	15
16	16.37	16.95	25.37	35.75	36.42	24.77	27.47	27.11	20.63	16.66	18.57	19.53	16
17	16.32	17.18	26.64	35.45	36.45	24.40	26.92	27.26	20.45	16.62	18.67	19.64	17
18	16.16	17.09	25.45	34.87	36.39	24.33	26.37	27.81	20.12	16.60	18.76	19.61	18
19	16.04	17.02	23.18	34.55	36.23	24.34	25.89	28.48	19.86	16.46	18.81	19.57	19
20	16.08	17.51	21.61	35.34	35.97	24.62	25.74	28.83	19.68	16.42	18.81	19.53	20
21	16.02	17.69	20.25	36.37	35.77	25.01	25.45	28.90	19.60	16.54	18.83	19.40	21
22	15.96	17.36	19.21	36.96	35.62	25.76	25.04	28.82	19.61	16.58	18.98	19.33	22
23	15.88	16.87	18.54	37.32	35.52	26.52	24.70	28.68	19.63	16.50	19.15	19.24	23
24	15.83	16.65	18.30	37.17	35.42	26.34	25.17	28.19	19.62	16.63	19.20	19.13	24
25	15.79	16.53	21.71	37.08	35.50	25.75	25.66	27.45	19.57	16.91	19.20	18.92	25
26	15.79	16.54	27.51	37.11	35.58	24.72	26.17	27.00	19.46	17.03	19.27	18.80	26
27	15.70	16.52	28.55	37.29	35.42	24.06	26.54	26.44	18.79	17.09	19.46	18.76	27
28	15.65	16.38	28.19	37.11	35.23	23.90	26.37	25.89	18.46	17.29	19.58	18.65	28
29	15.69	16.26	27.45	36.91		23.99	26.17	25.48	18.39	17.34	19.77	18.33	29
30	15.88	16.23	28.34	36.68		24.31	25.94	24.98	18.29	17.34	19.94	17.98	30
31	16.17		27.52	36.46		24.70		24.63		17.33	20.11		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
12-27-68	0715	28.63	2-16-69	2215	36.48	5-21-69	0445	28.94			
1-23-69	1115	37.37	4- 8-69	0945	30.43						

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
1969	A02160	SACRAMENTO RIVER AT FREMONT WEIR, EAST END

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	NR	NR	NR	35.54	34.68	NR	NR	NR	NR	NR	NR	1
2	NR	NR	NR	NR	35.04	34.79	NR	NR	NR	NR	NR	NR	2
3	NR	NR	NR	NR	34.59	34.77	NR	NR	NR	NR	NR	NR	3
4	NR	NR	NR	NR	34.25	34.54	NR	NR	NR	NR	NR	NR	4
5	NR	NR	NR	NR	33.86	34.26	NR	NR	NR	NR	NR	NR	5
6	NR	NR	NR	NR	34.04	33.94	NR	NR	NR	NR	NR	NR	6
7	NR	NR	NR	NR	34.22	33.64	NR	NR	NR	NR	NR	NR	7
8	NR	NR	NR	NR	34.25	NR	NR	NR	NR	NR	NR	NR	8
9	NR	NR	NR	NR	34.24	NR	NR	NR	NR	NR	NR	NR	9
10	NR	NR	NR	NR	34.26	NR	NR	NR	NR	NR	NR	NR	10
11	NR	NR	NR	NR	34.34	NR	NR	NR	NR	NR	NR	NR	11
12	NR	NR	NR	NR	34.79	NR	NR	NR	NR	NR	NR	NR	12
13	NR	NR	NR	NR	35.11	NR	NR	NR	NR	NR	NR	NR	13
14	NR	NR	NR	NR	35.32	NR	NR	NR	NR	NR	NR	NR	14
15	NR	NR	NR	34.40 E	35.49	NR	NR	NR	NR	NR	NR	NR	15
16	NR	NR	NR	35.26	35.75	NR	NR	NR	NR	NR	NR	NR	16
17	NR	NR	NR	34.85	35.77	NR	NR	NR	NR	NR	NR	NR	17
18	NR	NR	NR	34.30	35.70	NR	NR	NR	NR	NR	NR	NR	18
19	NR	NR	NR	34.02	35.53	NR	NR	NR	NR	NR	NR	NR	19
20	NR	NR	NR	34.79	35.27	NR	NR	NR	NR	NR	NR	NR	20
21	NR	NR	NR	35.82	35.03	NR	NR	NR	NR	NR	NR	NR	21
22	NR	NR	NR	36.36	34.87	NR	NR	NR	NR	NR	NR	NR	22
23	NR	NR	NR	36.55	34.75	NR	NR	NR	NR	NR	NR	NR	23
24	NR	NR	NR	36.57	34.65	NR	NR	NR	NR	NR	NR	NR	24
25	NR	NR	NR	36.50	34.72	NR	NR	NR	NR	NR	NR	NR	25
26	NR	NR	NR	36.55	34.80	NR	NR	NR	NR	NR	NR	NR	26
27	NR	NR	NR	36.69	34.66	NR	NR	NR	NR	NR	NR	NR	27
28	NR	NR	NR	36.51	34.48	NR	NR	NR	NR	NR	NR	NR	28
29	NR	NR	NR	36.30		NR	NR	NR	NR	NR	NR	NR	29
30	NR	NR	NR	36.08		NR	NR	NR	NR	NR	NR	NR	30
31	NR		NR	35.88		NR		NR		NR	NR		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-16-69	1200	35.32	2-16-69	2400	35.79	3- 2-69	1730	34.81			
1-27-69	0400	36.75	2-26-69	1630	34.84						

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 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
1969	A05191	FEATHER RIVER AT OROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.55	0.54	0.55	0.58	1.50	2.23	0.60	0.61	0.59	0.61	0.59	0.56	1
2	0.55	0.56	0.55	0.58	0.58	2.21	0.61	0.59	0.60	0.61	0.59	0.56	2
3	0.54	0.56	0.55	0.59	0.56	2.23	0.60	0.61	0.59	0.62	0.60	0.56	3
4	0.55	0.57	0.55	0.58	0.57	1.58	2.02	0.53	0.58	0.62	0.60	0.55	4
5	0.56	0.55	0.56	0.58	0.57	1.11	1.96	0.54	0.58	0.62	0.58	0.56	5
6	0.55	0.55	0.55	0.57	0.58	1.09	1.96	0.57	0.59	0.62	0.57	0.56	6
7	0.55	0.56	0.53	0.57	0.57	0.75	1.91	0.58	0.59	0.62	0.60	0.56	7
8	0.54	0.57	0.55	0.56	0.57	0.55	1.96	0.59	0.59	0.61	0.60	0.56	8
9	0.54	0.57	0.55	0.56	0.58	0.57	1.93	0.58	0.59	0.62	0.59	0.56	9
10	0.54	0.57	0.55	0.56	1.47	0.58	1.91	0.54	0.60	0.62	0.59	0.56	10
11	0.55	0.56	0.54	0.57	3.36	0.59	1.93	0.54	0.62	0.62	0.60	0.56	11
12	0.56	0.55	0.56	0.60	4.39	0.58	1.96	0.55	0.62	0.62	0.60	0.56	12
13	0.56	0.55	0.58	0.64	3.49	0.56	1.98	0.56	0.60	0.62	0.59	0.56	13
14	0.56	0.56	0.58	0.57	0.68	0.55	1.93	0.57	0.58	0.63	0.59	0.55	14
15	0.56	0.56	0.56	0.56	0.91	0.56	1.98	0.55	0.58	0.63	0.59	0.57	15
16	0.56	0.56	0.58	0.56	1.64	0.58	1.96	0.55	0.58	0.60	0.59	0.58	16
17	0.56	0.57	0.57	0.55	2.00	0.60	1.97	0.54	0.60	0.57	0.59	0.58	17
18	0.56	0.57	0.56	0.57	4.73	0.60	1.43	0.54	0.60	0.58	0.60	0.58	18
19	0.56	0.57	0.55	0.59	4.49	0.56	1.44	0.54	0.59	0.59	0.60	0.57	19
20	0.55	0.57	0.57	0.58	3.52	0.55	1.39	0.53	0.60	0.59	0.59	0.56	20
21	0.54	0.56	0.57	4.67	2.27	0.57	1.16	0.53	0.61	0.59	0.59	0.57	21
22	0.53	0.56	0.58	11.47	0.94	0.61	0.59	0.53	0.60	0.59	0.59	0.58	22
23	0.52	0.55	0.59	8.98	0.97	0.60	0.60	0.55	0.60	0.59	0.59	0.58	23
24	0.52	0.56	0.59	7.08	1.90	0.59	0.59	0.58	0.60	0.59	0.59	0.58	24
25	0.53	0.56	0.59	3.15	2.74	0.55	0.59	0.57	0.61	0.60	0.57	0.59	25
26	0.54	0.57	0.58	7.01	2.86	0.56	0.59	0.57	0.61	0.59	0.55	0.58	26
27	0.54	0.56	0.58	8.36	3.46	0.56	0.57	0.55	0.61	0.59	0.55	0.57	27
28	0.54	0.57	0.59	8.98	2.96	0.57	0.59	0.54	0.61	0.60	0.55	0.57	28
29	0.54	0.57	0.58	8.88		0.59	0.59	0.58	0.60	0.59	0.55	0.57	29
30	0.54	0.55	0.58	8.80		0.58	0.60	0.59	0.61	0.60	0.55	0.57	30
31	0.54		0.58	6.57		0.59		0.59		0.60	0.56		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
1-21-69	2345	14.19	1-27-69	1400	9.15						
1-22-69	0615	14.19									

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 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
1969	A05165	FEATHER RIVER NEAR GRIDLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	24.42	24.61	24.45	24.47	31.72	29.94	27.30	29.19	27.55	24.62	26.61	27.76	1
2	24.41	24.64	24.43	24.47	29.99	29.94	27.45	29.12	27.19	24.62	26.60	27.79	2
3	24.43	24.67	24.44	24.47	29.47	29.91	29.31	28.44	26.65	24.61	26.58	27.81	3
4	24.44	24.65	24.45	24.47	29.23	29.81	30.75	28.35	26.64	24.61	26.79	27.81	4
5	24.45	24.65	24.45	24.45	29.15	29.42	31.07	28.36	26.18	24.68	27.40	27.80	5
6	24.43	24.63	24.45	24.45	29.36	29.15	31.09	28.35	26.13	25.24	27.52	27.79	6
7	24.42	24.61	24.45	24.45	29.54	29.04	31.19	28.36	25.55	25.30	27.59	27.77	7
8	24.42	24.62	24.45	24.43	29.31	28.58	31.20	28.33	24.87	25.31	27.85	27.78	8
9	24.42	24.62	24.48	24.44	29.56	28.23	31.20	28.32	24.70	25.45	27.70	27.78	9
10	24.43	24.65	24.51	24.44	30.34	27.95	31.14	28.30	24.70	25.67	27.34	27.78	10
11	24.45	24.64	24.50	24.49	31.66	27.28	31.00	28.35	24.69	25.66	27.62	27.78	11
12	24.48	24.65	24.49	24.58	32.82	26.87	31.02	28.33	24.67	25.66	27.85	27.77	12
13	24.46	24.62	24.50	26.47	32.46	26.80	30.98	28.33	24.66	25.66	27.85	27.76	13
14	24.50	24.64	24.55	25.99	30.62	26.61	31.01	28.95	24.64	25.67	27.84	27.75	14
15	24.58	24.64	24.51	24.76	30.55	26.62	31.04	29.31	24.64	25.68	27.83	27.75	15
16	24.62	24.51	24.43	24.65	30.79	26.74	31.05	29.35	24.63	25.66	27.80	27.76	16
17	24.62	24.49	24.45	24.58	30.97	27.15	31.11	29.30	24.63	25.63	27.79	27.76	17
18	24.61	24.50	24.48	24.54	30.92	27.20	30.86	29.29	24.63	25.62	27.82	27.78	18
19	24.61	24.48	24.46	24.65	30.52	27.62	30.93	29.27	24.63	25.62	27.82	27.77	19
20	24.61	24.47	24.45 E	25.06	29.89	28.29	30.78	29.28	24.76	25.62	27.82	27.74	20
21	24.60	24.47	24.45	29.44	29.69	28.84	30.77	29.28	24.97	25.63	27.80	27.72	21
22	24.62	24.47	24.46	39.07	29.81	29.44	30.57	29.07	24.96	25.63	27.81	27.74	22
23	24.61	24.46	24.46	37.07	29.94	29.38	30.60	28.64	24.96	26.10	27.79	27.74	23
24	24.60	24.47	24.51	36.70	29.91	28.63	30.51	28.30	24.94	26.47	27.77	27.73	24
25	24.59	24.45	24.51	32.78	30.32	27.49	30.47	28.29	24.95	26.62	27.80	27.74	25
26	24.60	24.45	24.49	34.88	29.85	27.42	30.45	27.97	24.64	26.62	27.82	27.73	26
27	24.60	24.46	24.49	36.40	29.83	27.35	30.45	27.50	24.62	26.61	27.81	27.57	27
28	24.61	24.47	24.50	37.00	29.82	27.29	30.45	27.49	24.62	26.62	27.81	27.11	28
29	24.64	24.47	24.50	36.99		27.30	29.94	27.49	24.62	26.63	27.80	26.63	29
30	24.63	24.47	24.48	36.87		27.30	29.70	27.52	24.62	26.63	27.79	26.08	30
31	24.61		24.47	35.96		27.30		27.54		26.62	27.77		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
1-13-69	1530	28.11	1-28-69	1630	37.07	3-22-69	2330	29.50			
1-22-69	1030	40.20	2-12-69	0915	32.90	4- 9-69	1345	31.21			

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 # OCT 37-APR 39 NOV 39-JUL 40 OCT 40-JUL 43 OCT 43-DATE	1929 1929		0.00 -2.91	USED USCGS

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
1969	A05135	FEATHER RIVER AT YUBA CITY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	39.54	39.94	39.92	40.52	54.61	50.57	44.70	47.93	45.03	39.24	42.21	43.71	1
2	39.47	39.99	39.90	40.38	50.40	49.71	44.66	47.59	44.99	39.73	42.18	43.72	2
3	39.47	40.24	39.88	40.30	49.03	49.07	46.04	45.77	44.14	39.71	42.18	43.77	3
4	39.49	40.29	39.86	40.45	48.47	48.17	48.55	45.20	43.36	39.70	42.19	43.75	4
5	39.50	40.22	39.85	40.40	48.98	47.56	49.74	45.12	42.63	39.62	42.94	43.75	5
6	39.46	40.16	39.85	40.43	49.76	47.00	50.37	45.11	42.58	40.09	43.31	43.74	6
7	39.42	40.09	39.85	40.41	49.36	46.85	50.05	45.15	42.22	40.65	43.31	43.74	7
8	39.43	40.05	39.85	40.36	48.63	46.22	49.76	45.15	41.58	40.61	43.66	43.73	8
9	39.43	40.04	39.87	40.34	48.96	45.74	50.07	45.22	41.08	40.61	43.67	43.72	9
10	39.43	40.05	39.99	40.34	49.96	45.52	49.79	45.30	40.93	41.03	43.19	43.70	10
11	39.48	40.04	40.32	40.52	50.75	44.68	49.15	45.51	40.78	41.07	43.26	43.69	11
12	39.62	40.13	40.22	42.91	53.61	44.17	49.17	45.74	40.64	41.02	43.65	43.69	12
13	39.71	40.09	40.11	47.69	53.81	43.97	49.19	45.76	40.53	41.03	43.67	43.68	13
14	39.72	40.09	40.64	51.31	51.85	43.55	49.13	46.31	40.50	41.06	43.64	43.67	14
15	39.72	40.23	41.15	45.02	52.48	43.58	49.13	48.82	40.45	41.03	43.63	43.67	15
16	39.99	40.23	41.38	43.25	53.61	43.56	49.00	48.77	40.45	41.02	43.61	43.68	16
17	40.02	40.02	40.74	42.51	52.03	44.05	48.71	48.80	40.57	40.97	43.60	43.67	17
18	40.00	40.02	40.58	41.96	51.29	44.18	48.66	49.07	40.51	40.84	43.62	43.70	18
19	39.98	40.12	40.87	46.63	50.76	44.50	48.54	49.16	40.35	40.81	43.64	43.69	19
20	39.97	40.10	40.58	53.69	49.69	45.23	48.55	48.95	40.26	40.85	43.65	43.66	20
21	39.95	40.03	40.27	57.24	48.92	45.84	48.32	48.74	40.61	40.87	43.64	43.63	21
22	39.96	39.95	40.29	60.50	48.94	46.78	48.21	48.68	40.66	40.84	43.64	43.62	22
23	39.96	39.92	40.32	59.44	49.12	46.77	48.23	48.29	40.60	41.22	43.66	43.64	23
24	39.96	39.91	40.69	58.04	49.27	46.57	48.29	46.99	40.51	41.91	43.65	43.61	24
25	39.94	39.87	43.01	56.54	50.24	44.70	48.18	46.84	40.44	42.22	43.64	43.61	25
26	39.90	39.84	42.97	58.76	49.63	44.17	49.32	46.45	40.22	42.23	43.70	43.62	26
27	39.91	39.84	41.82	60.50	48.98	44.07	49.32	45.71	39.93	42.25	43.68	43.56	27
28	39.90	39.85	41.37	59.55	49.22	44.05	49.24	45.67	39.91	42.23	43.72	43.11	28
29	39.99	39.84	41.41	58.69		44.07	48.93	45.22	39.90	42.22	43.72	42.57	29
30	40.12	39.91	41.14	57.96		44.10	48.59	45.11	39.53	42.23	43.72	41.97	30
31	40.00		40.75	57.40		44.22		45.08		42.23	43.73		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
1-14-69	0330	53.47	2-15-69	2300	54.41	5-18-69	1730	49.23			
1-27-69	0600	60.85	4- 6-69	0145	50.47						

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 08 20	121 36 17	NE 23 15N 3E		82.42	12-24-1955	JUL 44-OCT 45 ⁸⁄₀ 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.

⁸⁄₀ - Irrigation season only.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT

(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1969	A61430	YUBA RIVER AT ENGLEBRIGHT DAM

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NF	NF	NF	27.58	30.00	29.77	29.12	29.99	29.39	NF	NF	NF	1
2	NF	NF	NF	27.52	29.92	29.53	29.09	29.57	29.40	NF	NF	NF	2
3	NF	NF	NF	27.65	29.85	29.14	29.01	28.22	29.18	NF	NF	NF	3
4	NF	NF	NF	27.72	29.80	28.55	29.33	28.12	28.42	NF	NF	NF	4
5	NF	NF	NF	27.78	30.06	28.49	29.64	28.09	28.48	NF	NF	NF	5
6	NF	NF	NF	27.76	30.04	28.47	29.64	28.21	28.43	NF	NF	NF	6
7	NF	NF	NF	27.75	29.84	28.42	29.44	28.35	28.36	NF	NF	NF	7
8	NF	NF	NF	27.73	29.74	28.38	29.52	28.47	28.26	NF	NF	NF	8
9	NF	NF	NF	27.70	29.88	28.35	29.72	28.62	28.20	NF	NF	NF	9
10	NF	NF	NF	27.66	29.86	28.32	29.30	28.77	28.17	NF	NF	NF	10
11	NF	NF	NF	27.83	29.79	28.29	28.87	28.98	27.84	NF	NF	NF	11
12	NF	NF	NF	28.46	30.45	28.29	28.94	29.17	27.59	NF	NF	NF	12
13	NF	NF	NF	29.87	30.12	28.25	28.97	29.14	27.65	NF	NF	NF	13
14	NF	NF	NF	30.05	30.03	28.24	28.94	29.63	27.68	NF	NF	NF	14
15	NF	NF	NF	29.00	30.76	28.25	28.86	30.77	27.62	NF	NF	NF	15
16	NF	NF	NF	28.66	30.43	28.27	28.50	30.58	27.91	NF	NF	NF	16
17	NF	NF	25.80	28.48	30.12	28.33	28.29	30.67	28.10	NF	NF	NF	17
18	NF	NF	27.80	28.38	30.01	28.39	28.46	30.84	27.92	NF	NF	NF	18
19	NF	NF	27.98	30.59	29.88	28.40	28.48	30.84	27.73	NF	NF	NF	19
20	NF	NF	27.58	33.35	29.80	28.42	28.47	30.68	27.62	NF	NF	NF	20
21	NF	NF	27.55	33.70	29.74	28.49	28.50	30.58	27.62	NF	NF	NF	21
22	NF	NF	27.61	31.74	29.69	28.47	28.61	30.63	27.61	NF	NF	NF	22
23	NF	NF	27.64	30.19	29.70	28.49	28.74	30.51	27.46	NF	NF	NF	23
24	NF	NF	28.01	29.78	29.80	28.50	28.65	30.09	27.23	NF	NF	NF	24
25	NF	NF	28.87	31.13	29.82	28.44	29.09	30.02	27.25	NF	NF	NF	25
26	NF	NF	28.57	33.98	29.66	27.88	30.01	29.83	27.17	NF	NF	NF	26
27	NF	NF	28.22	32.84	29.53	28.04	29.97	29.82	26.84	NF	NF	NF	27
28	NF	NF	28.16	31.73	29.82	28.35	29.96	29.83	NF	NF	NF	NF	28
29	NF	NF	28.12	30.90		28.44	29.99	29.49	NF	NF	NF	NF	29
30	NF	NF	27.90	30.38		28.53	30.00	29.46	NF	NF	NF	NF	30
31	NF		27.67	30.08		28.82		29.36		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
1-12-69	0300	28.64	1-20-69	1800	34.22	1-26-69	0800	34.63			
1-13-69	2100	31.22	1-21-69	1300	34.13						

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 14 22	121 16 00	SE 14 16N 6E	171000	546.14	12-22-1964	OCT 1941-DATE	OCT 1941-DATE	1941	1958	526.99	USCGS
								1958		0.00	USCGS

Station located above spillway of Englebright Dam, 1.0 mile above Deer Creek, 2.5 miles northeast of Smartville. Flow regulated by Lake Spaulding, Englebright Reservoir, Bowman Lake, Fordyce Lake, and many smaller reservoirs. Maximum discharge listed includes flow through powerhouse. Records furnished by USGS. Drainage area is 1,108 square miles (Revised).

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1969	A06150	YUBA RIVER NEAR MARYSVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	58.87	59.84	60.12	61.08	65.87	65.01	64.07	65.14	64.03	59.49	58.69	60.47	1
2	58.83	59.92	60.11	60.91	65.76	65.20	63.97	64.82	64.09	59.51	58.69	60.50	2
3	58.83	60.38	60.06	60.94	65.58	64.64	63.82	62.13	63.87	59.48	58.70	60.48	3
4	58.83	60.25	60.04	61.25	65.47	63.35	64.42	61.83	62.43	59.25	58.69	60.49	4
5	58.83	60.07	60.04	61.23	66.25	63.20	65.05	61.72	62.37	59.11	58.70	60.49	5
6	58.84	60.03	60.05	61.33	66.45	63.15	65.44	61.82	62.27	59.03	58.70	60.49	6
7	58.85	60.04	60.07	61.30	65.72	63.10	64.90	62.05	62.17	58.98	58.72	60.51	7
8	58.83	60.02	60.08	61.27	65.43	63.05	64.82	62.23	62.02	58.91	58.74	60.55	8
9	58.81	59.98	60.09	61.23	65.83	63.00	65.16	62.48	61.93	58.84	58.72	60.54	9
10	58.79	59.97	60.14	61.27	65.83	62.90	64.61	62.85	61.79	58.77	58.68	60.52	10
11	58.81	59.96	60.77	61.61	65.66	62.75	63.59	63.25	61.47	58.68	58.72	60.55	11
12	59.37	60.20	60.27	63.60	67.28	62.70	63.67	63.65	61.05	58.58	58.71	60.59	12
13	59.58	60.08	60.18	66.35	66.24	62.70	63.77	63.70	60.83	58.67	58.72	60.59	13
14	59.43	60.02	60.93	66.40	65.97	62.65	63.67	64.15	60.95	58.71	58.75	60.56	14
15	59.39	60.20	60.88	64.24	68.05	62.65	63.53	66.70	60.95	58.69	58.79	60.55	15
16	59.98	60.13	60.93	63.43	67.49	62.71	63.06	66.28	61.20	58.72	60.52	60.57	16
17	60.01	60.07	60.39	63.04	66.30	62.76	62.32	66.25	61.60	58.73	60.57	60.55	17
18	59.99	60.10	61.00	62.76	66.03	62.87	62.52	66.45	61.42	58.70	60.49	60.60	18
19	59.97	60.15	61.65	67.15	65.75	62.89	62.55	66.53	61.04	58.69	60.45	60.60	19
20	59.96	60.09	61.12	72.37	65.53	62.96	62.52	66.37	60.81	58.70	60.46	60.62	20
21	59.92	60.07	60.71	74.02	65.43	62.98	62.66	66.24	60.65	58.72	60.48	60.63	21
22	59.89	60.06	60.87	70.13	65.21	62.90	62.76	66.30	60.67	58.71	60.48	60.64	22
23	59.90	60.05	60.92	66.71	65.45	62.83	62.87	66.29	60.45	58.70	60.47	60.62	23
24	59.90	60.07	61.62	65.80	65.75	62.82	62.92	65.44	60.06	58.68	60.50	60.62	24
25	59.88	60.08	63.96	67.54	65.92	62.71	63.26	63.33	59.75	58.68	60.43	60.64	25
26	59.82	60.05	63.32	72.77	65.48	61.95	65.37	64.95	59.77	58.69	60.46	60.64	26
27	59.75	60.04	62.37	70.88	65.08	62.02	65.24	64.90	59.55	58.68	60.48	60.61	27
28	59.75	60.03	62.17	68.97	65.79	62.57	65.17	64.96	59.51	58.69	60.46	60.60	28
29	59.78	60.03	62.15	67.69		62.76	65.17	64.32	59.51	58.67	60.50	60.57	29
30	59.83	60.10	61.78	66.78		62.92	65.19	64.20	59.50	58.67	60.47	60.53	30
31	59.83		61.32	66.08		63.28		64.05		58.69	60.49		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-12-69	0500	64.19	1-20-69	1900	74.95	1-26-69	1030	74.45			
1-13-68	2230	68.54	1-21-69	1500	75.10						

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 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 liated 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
1969	A05120	FEATHER RIVER BELOW SHANGHI BEND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	32.75	32.84	33.81	50.47	46.21	39.40	43.07	40.81	32.88	35.17	36.99	1
2	NR	32.80	32.83	33.63	46.14	45.27	39.39	42.69	39.84	32.86	35.16	36.94	2
3	NR	33.15	32.80	33.48	44.43	44.43	40.50	39.96	38.90	32.81	35.16	37.01	3
4	NR	33.25	32.79	33.74	43.80	43.02	43.17	39.10	37.43	32.73	35.17	37.00	4
5	NR	33.12	32.79	33.71	43.93	42.39	44.66	38.96	37.05	32.60	35.79	37.00	5
6	NR	33.06	32.79	33.67	44.24	41.70	45.53	38.97	36.65	32.95	36.33	36.99	6
7	NR	32.99	32.78	33.72	44.79	41.45	45.14	39.10	36.25	33.45	36.36	36.97	7
8	NR	32.94	32.78	33.72	43.99	40.78	44.80	39.19	35.50	33.42	36.67	36.96	8
9	NR	32.91	32.78	33.68	44.27	40.35	45.20	39.36	34.95	33.48	36.80	36.95	9
10	NR	32.90	33.02	33.70	45.38	39.95	44.90	39.58	34.69	33.76	36.34	36.92	10
11	NR	32.90	33.47	33.91	46.03	39.06	43.94	39.93	34.23	33.81	36.31	36.91	11
12	NR	33.05	33.27	36.19	49.03	38.49	43.96	40.32	33.95	33.79	36.76	36.90	12
13	NR	33.01	33.09	41.42	46.36	38.25	44.01	40.37	33.70	33.81	36.87	36.88	13
14	NR	32.98	33.16	46.78	49.15	37.94	43.92	40.88	33.86	33.85	36.85	36.88	14
15	NR	33.12	34.26	40.31	47.78	37.82	43.89	44.09	33.80	33.85	36.86	36.88	15
16	32.85	33.17	34.62	38.30	46.24	37.80	43.67	44.13	33.94	33.85	36.85	36.91	16
17	32.85	32.92	33.92	37.38	47.65	38.33	43.13	44.17	34.31	33.83	36.82	36.90	17
18	32.86	32.91	33.77	36.49	47.07	38.52	43.17	44.50	34.21	33.79	36.84	36.92	18
19	32.84	33.05	34.35	41.16	46.50	38.77	43.04	44.62	33.85	33.77	36.88	36.92	19
20	32.83	33.03	34.01	48.93	45.31	39.42	43.05	44.39	33.63	33.81	36.89	36.89	20
21	32.82	32.93	33.51	52.79	44.43	40.16	42.77	NR	33.83	33.84	36.88	36.84	21
22	32.79	32.85	33.65	55.23	44.34	41.12	42.70	NR	33.94	33.82	36.88	36.84	22
23	32.80	32.81	33.58	54.69	44.50	41.19	42.73	NR	33.82	34.01	36.87	36.83	23
24	32.78	32.81	33.98	43.18	44.92	41.10	42,85	NR	33.60	34.66	36.88	36.83	24
25	32.78	32.79	36.77	52.28	45.75	39.23	42.69	NR	33.41	35.13	36.87	36.83	25
26	32.74	32.77	37.14	53.98	45.19	38.21	44.40	NR	33.28	35.08	36.93	36.84	26
27	32.71	32.76	35.61	55.82	44.38	38.08	44.45	NR	33.07	35.12	36.93	36.75	27
28	32.70	32.76	35.00	54.80	44.61	38.31	44.36	NR	32.98	35.13	36.96	36.33	28
29	32.76	32.76	34.99	53.94		38.38	44.06	40.19	33.04	35.13	36.96	35.75	29
30	32.90	32.81	34.66	53.25		38.49	43.72	39.98	32.99	35.16	36.98	35.05	30
31	32.80		34.15	52.66		38.67		39.94		35.18	36.98		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-26-68	0100	37.82	1-22-69	1930	56.30	2-12-69	2200	50.00	3-1-69	1030	46.40
1-14-69	0500	48.40	1-27-69	0800	56.03	2-17-69	1100	47.90	4-6-69	1100	45.10

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 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
1969	A06550	BEAR RIVER NEAR WHEATLAND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.75	0.67	0.64	0.62	4.15	6.93	3.19	2.15	1.25	0.52	0.50	0.51	1
2	0.76	0.71	0.63	0.62	3.98	5.81	3.22	2.12	1.27	0.45	0.49	0.47	2
3	0.54	0.79	0.63	0.62	3.83	4.93	3.41	2.15	1.17	0.40	0.49	0.49	3
4	0.48	0.72	0.62	0.62	3.63	4.49	3.37	2.16	1.08	0.44	0.48	0.50	4
5	0.46	0.70	0.62	0.63	4.67	4.58	3.62	2.09	1.01	0.43	0.46	0.48	5
6	0.91	0.70	0.62	0.64	5.82	3.95	4.60	2.02	0.91	0.45	0.50	0.47	6
7	0.71	0.69	0.62	0.63	5.11	3.78	4.09	2.12	0.97	0.45	0.50	0.47	7
8	0.76	0.69	0.62	0.62	4.06	3.67	3.71	1.88	1.04	0.46	0.49	0.46	8
9	0.73	0.68	0.62	0.61	4.06	3.47	3.52	1.62	0.99	0.47	0.49	0.44	9
10	0.63	0.65	0.64	0.59	4.06	3.48	3.34	1.74	1.04	0.47	0.48	0.40	10
11	0.62	0.70	0.67	0.86	4.02	3.28	3.18	1.85	1.11	0.43	0.47	0.46	11
12	0.71	0.65	0.63	1.02	5.74	2.90	3.14	1.88	1.17	0.44	0.45	0.46	12
13	0.81	0.57	0.63	1.64	5.10	2.72	3.15	1.79	1.17	0.44	0.50	0.45	13
14	0.89	0.53	0.88	1.12	4.40	2.48	3.11	1.75	1.14	0.45	0.49	0.45	14
15	0.91	0.59	0.75	0.81	6.24	2.44	3.04	1.76	1.18	0.45	0.50	0.44	15
16	0.90	0.56	0.71	0.71	7.07	2.85	2.90	1.73	1.12	0.45	0.51	0.45	16
17	0.60	0.59	0.64	0.62	5.69	3.05	2.83	1.61	1.03	0.46	0.55	0.46	17
18	0.64	0.62	0.61	0.63	5.20	3.48	2.74	NR	1.02	0.46	0.49	0.47	18
19	0.62	0.60	0.60	3.56	4.80	3.41	2.70	NR	0.90	0.44	0.43	0.47	19
20	0.67	0.60	0.62	11.13	4.23	3.29	2.68	NR	0.95	0.43	0.42	0.47	20
21	0.68	0.62	0.60	12.03	3.91	3.40	2.60	NR	1.05	0.44	0.45	0.47	21
22	0.68	0.62	0.61	9.98	3.65	3.38	2.50	NR	0.96	0.45	0.48	0.47	22
23	0.70	0.62	0.62	7.59	3.88	3.21	2.59	NR	0.90	0.45	0.48	0.47	23
24	0.67	0.63	0.73	6.57	4.76	3.10	3.02	NR	0.77	0.49	0.49	0.46	24
25	0.66	0.63	1.03	7.74	6.20	3.18	2.82	NR	0.45	0.49	0.50	0.46	25
26	0.66	0.62	0.72	10.02	6.31	3.20	2.55	NR	0.50	0.51	0.51	0.46	26
27	0.67	0.62	0.65	8.05	5.12	3.02	2.41	NR	0.61	0.50	0.50	0.45	27
28	0.67	0.62	0.66	6.76	5.43	3.01	2.30	NR	0.70	0.50	0.48	0.45	28
29	0.68	0.63	0.67	5.97		3.07	2.20	1.45	0.65	0.49	0.49	0.45	29
30	0.68	0.65	0.63	5.23		3.11	2.22	1.30	0.60	0.51	0.50	0.45	30
31	0.67		0.62	4.58		3.18		1.32		0.50	0.50		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
1-20-69	2100	13.30	1-26-69	0800	10.83	2-15-69	2400	7.64			
1-21-69	0015	13.00	2- 5-69	2400	5.31	3- 1-69	0600	7.38			

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	1943	81.50 76.92	USCGS 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 aquare miles.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT

(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1969	A05103	FEATHER RIVER AT NICOLAUS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	21.21	21.82	21.83	24.09	40.32	38.11	27.94	31.50	28.02	21.08	23.38	25.38	1
2	21.18	21.83	21.85	23.06	38.18	37.86	28.17	31.02	28.05	20.93	23.38	25.38	2
3	21.12	21.99	21.85	22.59	36.80	37.41	28.86	29.20	27.44	21.06	23.38	25.39	3
4	21.16	22.21	21.84	22.65	36.06	36.64	31.19	27.62	26.41	21.04	23.37	25.41	4
5	21.18	22.14	21.83	22.64	35.81	36.02	32.94	27.39	25.84	20.51	23.70	25.43	5
6	21.18	22.07	21.81	22.64	36.66	35.28	34.42	27.29	25.35	19.72	24.29	25.46	6
7	21.14	22.01	21.82	22.63	36.68	34.70	34.42	27.33	25.08	21.86	24.42	25.44	7
8	21.13	21.96	21.82	22.62	36.29	33.90	34.04	27.43	24.53	21.87	24.65	25.44	8
9	21.15	21.94	21.82	22.57	36.24	32.82	34.18	27.45	23.97	21.84	24.88	25.41	9
10	21.13	21.93	21.85	22.54	36.72	31.71	34.07	27.67	23.68	21.99	24.66	25.37	10
11	21.13	21.92	22.13	22.63	36.96	30.36	33.13	27.94	23.35	22.12	24.46	25.35	11
12	21.24	21.96	22.41	24.61	38.68	28.93	32.78	28.36	23.01	22.07	24.79	25.35	12
13	21.46	22.05	22.45	29.10	39.48	27.89	32.76	28.53	22.69	22.08	25.01	25.35	13
14	21.50	21.95	22.39	37.01	39.11	27.16	32.67	28.68	22.76	22.13	25.03	25.35	14
15	21.51	22.07	23.18	35.39	39.29	26.66	32.60	31.29	22.70	22.15	25.05	25.34	15
16	21.70	22.14	23.90	35.85	40.59	26.52	32.44	32.26	22.73	22.15	25.06	25.36	16
17	21.89	22.02	24.28	35.26	39.98	26.79	31.85	32.28	22.87	22.13	25.04	25.34	17
18	21.89	21.98	23.65	34.29	39.43	27.20	31.71	32.51	22.89	22.09	25.08	25.34	18
19	21.86	22.03	23.26	34.92	39.01	27.42	31.49	32.83	22.58	22.06	25.13	25.36	19
20	21.84	22.04	23.00	39.21	38.25	27.92	31.50	32.82	22.31	22.06	25.16	25.35	20
21	21.83	22.00	22.52	42.42	37.58	28.71	31.19	32.62	22.34	22.13	25.18	25.32	21
22	21.81	21.95	22.46	43.23	37.28	29.66	31.09	32.53	22.51	22.11	25.21	25.31	22
23	21.81	21.93	22.48	43.13	37.20	30.00	30.96	32.33	22.43	22.06	25.24	25.33	23
24	21.82	21.89	22.57	42.19	37.34	29.92	31.32	31.22	22.21	22.63	25.26	25.30	24
25	21.82	21.88	24.52	41.98	37.87	28.56	31.05	30.53	21.96	23.03	25.27	25.28	25
26	21.80	21.85	26.88	42.57	37.98	27.17	32.22	30.15	21.85	23.20	25.32	25.29	26
27	21.78	21.83	26.73	43.41	37.30	26.71	32.71	29.37	21.35	23.21	25.34	25.27	27
28	21.76	21.83	26.28	42.71	36.93	26.82	32.62	29.05	21.31	23.24	25.34	24.96	28
29	21.77	21.82	25.82	42.14		26.92	32.44	28.67	21.32	23.26	25.36	24.46	29
30	21.89	21.82	26.12	41.64		27.05	31.95	28.25	21.27	23.28	25.37	23.94	30
31	21.89		25.60	41.28		27.25		28.20		23.37	25.37		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
12-26-68	1000	27.00	1-22-69	2400	43.60	2-13-69	0400	39.54	4-06-69	1800	34.61
1-14-69	1200	37.74	1-27-69	0400	43.55	2-16-69	1000	40.73			

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
1969	A02150	SACRAMENTO RIVER AT VERONA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	14.05	13.88	13.80	22.34	35.17	34.45	22.75	24.20	22.32	15.09	15.30	18.11	1
2	14.15	13.80	13.83	20.65	34.47	34.44	23.22	23.87	22.06	14.92	15.32	18.13	2
3	13.99	13.83	13.83	19.29	33.82	34.34	23.59	23.09	21.59	14.73	15.34	18.22	3
4	13.69	14.00	13.78	18.27	33.31	34.01	24.62	21.47	20.69	14.50	15.38	18.36	4
5	13.38	14.21	13.74	17.64	32.84	33.55	25.90	20.91	19.72	14.11	15.50	18.42	5
6	13.17	14.23	13.66	17.23	33.27	33.09	27.07	20.55	19.14	13.97	16.03	18.27	6
7	12.95	14.13	13.63	17.03	33.46	32.54	28.15	20.30	18.81	14.16	16.13	18.08	7
8	12.84	14.01	13.69	16.71	33.38	31.78	28.64	20.26	18.41	14.33	16.13	17.79	8
9	12.79	13.94	13.73	16.31	33.34	30.66	28.57	20.42	17.95	14.23	16.40	17.74	9
10	12.72	13.88	14.04	15.79	33.44	29.34	28.34	20.91	17.76	14.13	16.42	17.64	10
11	12.71	13.77	14.97	15.43	33.74	27.90	27.73	21.49	17.73	14.23	16.20	17.62	11
12	12.88	13.83	19.62	16.24	34.56	26.33	27.04	22.09	17.72	14.20	16.37	17.59	12
13	13.12	13.81	20.24	22.16	34.78	24.98	26.69	22.58	17.63	14.30	16.63	17.52	13
14	13.49	13.96	18.43	29.92	34.95	23.96	26.48	22.83	17.64	14.41	16.68	17.54	14
15	13.84	14.24	18.83	32.92	35.26	23.11	26.28	23.98	17.61	14.39	16.62	17.54	15
16	13.86	14.42	21.33	34.20	35.70	22.52	26.01	25.41	17.45	14.31	16.65	17.55	16
17	13.90	14.60	22.58	33.80	35.64	22.19	25.44	25.69	17.36	14.25	16.72	17.67	17
18	13.78	14.51	21.87	33.02	35.54	22.16	24.93	26.09	17.12	14.24	16.82	17.65	18
19	13.66	14.50	20.09	32.96	35.30	22.17	24.45	26.71	16.79	14.15	16.84	17.61	19
20	13.68	14.83	18.67	34.50	34.96	22.46	24.27	27.06	16.54	14.11	16.84	17.58	20
21	13.65	15.00	17.36	36.07	34.66	22.98	23.99	27.13	16.42	14.23	16.86	17.45	21
22	13.58	14.77	16.39	36.70	34.43	23.72	23.60	27.07	16.48	14.29	16.99	17.40	22
23	13.51	14.37	15.80	37.03	34.30	24.48	23.32	26.92	16.54	14.23	17.14	17.30	23
24	13.47	14.20	15.59	36.66	34.27	24.43	23.66	26.39	16.36	14.44	17.17	17.21	24
25	13.43	14.05	18.31	36.58	34.46	23.77	24.02	25.63	16.03	14.82	17.20	17.02	25
26	13.43	14.01	23.71	36.83	34.62	22.60	24.58	25.15	15.80	15.01	17.24	16.92	26
27	13.36	13.99	24.81	36.98	34.25	21.82	25.15	24.53	15.49	15.05	17.41	16.86	27
28	13.31	13.88	24.67	36.63	33.99	21.61	25.10	23.95	15.27	15.23	17.52	16.72	28
29	13.33	13.77	24.19	36.25		21.68	24.92	23.53	15.19	15.27	17.67	16.32	29
30	13.49	13.78	24.71	35.92		21.92	24.53	22.98	15.15	15.25	17.84	15.88	30
31	13.72		24.19	35.62		22.25		22.62		15.23	18.02		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
12-30-68	1645	24.80	2-16-69	1100	35.75	5-21-69	0645	27.16			
1-26-69	2345	37.11	4- 8-69	1200	28.68						

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 46 50	121 36 10	SE 23 11N 3E	79,200	41.20	3-1-1940	MAY 26-OCT 28 o 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.

o - Irrigation season only.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT

(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1969	A02112	SACRAMENTO RIVER AT ELKHORN FERRY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	10.74	10.38	10.51	18.70	31.06	30.72	19.22	20.65	18.90	11.94	11.97	14.49	1
2	10.83	10.35	10.47	17.05	30.56	30.69	19.65	20.32	18.65	11.79	11.97	14.52	2
3	10.72	10.47	10.43	15.74	29.84	30.54	19.99	19.69	18.21	11.58	11.96	14.63	3
4	10.43	10.59	10.45	14.74	29.29	30.23	20.89	18.15	17.37	11.37	11.98	14.77	4
5	10.09	10.72	10.45	14.12	28.91	29.83	22.15	17.51	16.47	11.04	12.07	14.82	5
6	9.85	10.75	10.41	13.74	29.25	29.39	23.25	17.21	15.83	10.86	12.54	14.65	6
7	9.63	10.68	10.37	13.56	29.45	28.89	24.27	17.05	15.46	10.98	12.67	14.47	7
8	9.53	10.60	10.45	13.27	29.34	28.20	24.79	16.92	15.10	11.22	12.67	14.20	8
9	9.47	10.53	10.46	12.91	29.31	27.19	24.78	17.03	14.70	11.15	12.93	14.18	9
10	9.48	10.48	10.83	12.55	29.36	25.95	24.59	17.46	14.50	11.04	12.97	14.07	10
11	9.50	10.37	11.41	12.29	29.54	24.60	24.06	18.03	14.50	11.11	12.77	14.08	11
12	9.70	10.42	15.21	12.80	30.39	23.00	23.39	18.62	14.45	11.17	12.88	14.06	12
13	9.83	10.29	NR	17.79	30.65	21.66	23.02	19.09	14.37	11.20	13.11	14.02	13
14	10.11	10.48	NR	25.29	30.80	20.65	22.81	19.33	14.37	11.31	13.18	14.05	14
15	10.37	10.85	NR	28.39	31.13	19.82	22.62	20.30	14.36	11.28	13.11	14.06	15
16	10.35	10.95	NR	29.88	31.66	19.24	22.36	21.70	14.20	11.17	13.12	14.08	16
17	10.39	11.16	NR	29.76	31.76	18.89	21.90	22.04	14.11	11.08	13.19	14.17	17
18	10.31	11.15	NR	29.09	31.71	18.71	21.40	22.42	13.78	11.06	13.30	14.14	18
19	10.19	11.13	NR	29.08	31.53	18.67	20.90	23.01	13.45	10.95	13.32	14.12	19
20	10.24	11.37	NR	30.85	31.14	18.94	20.70	23.36	13.21	10.90	13.33	14.11	20
21	10.21	11.59	NR	33.40	30.80	19.43	20.47	23.46	13.03	11.02	13.32	13.97	21
22	10.14	11.45	NR	33.86	30.58	20.06	20.13	23.40	13.01	11.12	13.47	13.91	22
23	10.10	11.08	NR	33.94	30.52	20.79	19.82	23.27	13.07	11.11	13.67	13.83	23
24	10.08	10.94	NR	32.79	30.56	20.79	20.07	22.76	12.95	11.33	13.69	13.74	24
25	10.08	10.75	NR	32.53	30.77	20.25	20.40	22.01	12.68	11.66	13.68	13.56	25
26	10.08	10.59	NR	33.23	30.89	19.18	20.85	21.54	12.47	11.87	13.70	13.49	26
27	10.00	10.60	20.69	33.29	30.55	18.40	21.43	20.96	12.23	11.90	13.84	13.48	27
28	9.99	10.50	20.69	32.94	30.29	18.16	21.43	20.38	12.04	12.04	13.92	13.35	28
29	10.04	10.38	20.24	32.13		18.23	21.28	20.01	11.92	12.07	14.07	12.95	29
30	10.11	10.48	20.64	31.77		18.45	20.97	19.47	11.92	12.03	14.23	12.59	30
31	10.25		20.34	31.49		18.77		19.11		11.96	14.40		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
1-23-69	1115	34.07									
2-16-69	2315	31.82									

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 40 33	121 37 15	NW 34 10N 3E		35.86 E	12-25-1964		MARCH 1964-DATE	1964	1964	0.00	USCGS
								1964		-3.00	USCGS

Station located at Woodland Farms, Inc., pumphouse, 250 feet above Elkhorn Ferry, 10 miles northwest of Sacramento. Station located in tidal zone.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT

(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1969	A02100	SACRAMENTO RIVER AT SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	4.04	3.59	4.08	10.93	22.65	23.11	11.82	13.02	11.58	5.27	4.81	6.63	1
2	4.12	3.63	3.90	9.55	22.45	22.93	12.19	12.72	11.37	5.07	4.77	6.68	2
3	4.16	4.01	3.76	8.44	21.57	22.69	12.46	12.39	11.01	4.74	4.69	6.91	3
4	3.95	4.02	3.85	7.60	20.96	22.43	13.09	11.15	10.38	4.57	4.71	7.12	4
5	3.66	3.93	3.98	7.09	20.74	22.05	14.31	10.47	9.62	4.41	4.77	7.07	5
6	3.42	3.93	3.97	6.82	21.12	21.65	15.26	10.27	8.85	4.19	5.16	7.03	6
7	3.25	3.98	3.96	6.67	21.26	21.24	16.10	10.28	8.44	4.31	5.37	6.83	7
8	3.18	3.95	4.09	6.48	21.01	20.63	16.66	9.97	8.20	4.65	5.38	6.69	8
9	3.16	3.88	4.05	6.23	20.98	19.79	16.75	9.90	7.92	4.62	5.59	6.75	9
10	3.30	3.85	4.52	5.95	20.98	18.76	16.57	10.16	7.70	4.51	5.70	6.65	10
11	3.44	3.78	4.62	5.81	21.26	17.54	16.16	10.68	7.76	4.55	5.63	6.68	11
12	3.66	3.79	6.38	6.24	22.29	15.91	15.56	11.21	7.59	4.58	5.56	6.72	12
13	3.52	3.39	7.74	9.98	22.35	14.63	15.16	11.63	7.51	4.63	5.70	6.76	13
14	3.58	3.63	7.38	15.78	22.35	13.66	14.95	11.81	7.53	4.79	5.78	6.77	14
15	3.48	4.17	7.29	18.85	22.79	12.87	14.76	12.41	7.48	4.69	5.68	6.78	15
16	3.38	4.18	8.59	20.80	23.54	12.34	14.54	13.66	7.35	4.53	5.64	6.76	16
17	3.49	4.37	9.72	21.17	23.82	11.97	14.21	14.10	7.24	4.38	5.78	6.80	17
18	3.55	4.47	9.66	20.72	23.84	11.45	13.76	14.44	6.59	4.37	5.88	6.79	18
19	3.53	4.51	8.71	21.06	23.68	11.30	13.25	14.90	6.28	4.25	5.79	6.78	19
20	3.64	4.65	7.77	23.39	23.28	11.60	13.01	15.25	6.13	4.20	5.78	6.84	20
21	3.59	4.80	6.95	27.54	22.91	12.02	12.86	15.39	5.69	4.27	5.79	6.70	21
22	3.54	4.75	6.18	28.02	22.65	12.44	12.63	15.37	5.44	4.36	6.03	6.65	22
23	3.57	4.50	5.70	27.83	22.69	13.04	12.41	15.25	5.51	4.54	6.41	6.60	23
24	3.65	4.53	5.86	25.43	22.84	13.16	12.44	14.76	5.51	4.79	6.40	6.55	24
25	3.73	4.21	6.95	24.92	23.15	12.76	12.65	14.12	5.49	4.94	6.23	6.39	25
26	3.73	3.85	10.26	26.42	23.24	11.90	12.92	13.68	5.39	5.16	6.24	6.39	26
27	3.60	3.84	11.79	26.30	22.80	11.18	13.47	13.18	5.33	5.24	6.20	6.56	27
28	3.71	3.77	12.21	25.89	22.58	10.91	13.53	12.62	5.22	5.26	6.31	6.39	28
29	3.76	3.71	11.93	24.24		11.01	13.48	12.40	5.12	5.28	6.40	6.09	29
30	3.65	4.04	12.08	23.78		11.17	13.30	11.93	5.18	5.17	6.48	5.79	30
31	3.59		12.06	23.43		11.51		11.57		4.98	6.57		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-21-69	0815	28.18	4- 9-69	1245	16.81						
2-18-69	2030	23.90									

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 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 ᵒ		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.

ᵒ - Irrigation season only.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT

(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1969	A07175	AMERICAN RIVER AT FAIR OAKS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.90	0.88	1.90	2.90	4.48	4.88	3.82	3.80	3.39	0.86	0.79	1.14	1
2	0.90	0.88	1.90	2.68	4.39	5.06	3.81	3.78	3.39	0.86	0.79	1.27	2
3	0.90	0.88	1.90	2.45	3.86	5.06	3.79	3.83	3.38	0.86	0.79	1.54	3
4	0.89	0.89	1.90	2.44	3.86	5.04	3.79	3.82	3.39	0.86	0.82	1.54	4
5	0.88	0.89	1.90	2.44	3.91	5.01	3.84	3.78	3.34	0.86	1.15	1.14	5
6	0.88	1.07	1.90	2.45	3.99	5.00	3.83	3.80	3.03	0.86	1.17	1.54	6
7	0.88	1.27	1.90	2.43	3.89	5.03	3.82	3.80	3.04	0.84	1.16	1.54	7
8	0.87	1.28	1.87	2.44	3.87	5.02	3.81	3.81	3.08	0.79	1.17	1.54	8
9	0.87	1.28	1.91	2.45	3.87	5.01	3.82	3.81	3.06	0.79	1.17	1.54	9
10	0.87	1.29	1.90	2.44	3.87	5.00	3.81	3.76	2.87	0.78	1.14	1.53	10
11	0.87	1.29	1.90	2.43	3.94	4.71	3.79	3.80	2.84	0.77	1.14	1.53	11
12	0.87	1.29	1.90	2.45	3.95	4.43	3.79	3.74	2.62	0.77	1.14	1.54	12
13	0.87	1.29	1.91	2.46	3.85	4.43	3.83	3.80	2.62	0.77	1.14	1.53	13
14	0.87	1.31	1.91	2.47	3.86	4.42	3.79	3.77	2.61	0.81	1.13	1.53	14
15	0.87	1.64	1.90	3.14	3.91	4.40	3.82	3.77	2.61	0.82	1.13	1.53	15
16	0.87	1.88	1.90	3.84	4.84	4.41	3.80	3.78	2.59	0.83	1.12	1.55	16
17	0.88	1.89	1.91	4.02	4.92	4.09	3.81	3.75	2.05	0.83	1.14	1.54	17
18	0.87	1.89	1.89	4.02	5.08	3.67	3.81	3.75	1.56	0.83	1.12	1.52	18
19	0.86	1.88	1.90	4.15	5.01	3.71	3.79	3.75	1.58	0.83	1.12	1.47	19
20	0.88	1.90	1.90	8.29	4.94	3.84	3.84	3.78	1.54	0.83	1.13	1.49	20
21	0.88	1.89	1.90	13.26	4.95	3.78	3.81	3.78	0.98	0.82	1.13	1.50	21
22	0.88	1.90	1.92	14.75	4.96	3.80	3.83	3.78	0.83	0.82	1.13	1.50	22
23	0.88	1.90	1.91	13.73	4.90	3.81	3.80	3.65	0.85	0.82	1.13	1.50	23
24	0.88	1.89	2.19	8.17	4.93	3.79	3.82	3.53	0.85	0.83	1.14	1.49	24
25	0.89	1.88	2.22	8.66	4.84	3.74	3.83	3.60	0.85	0.83	1.16	1.48	25
26	0.89	1.89	2.33	10.66	4.90	3.75	3.83	3.60	0.85	0.83	1.16	1.49	26
27	0.89	1.89	2.79	10.53	4.97	3.77	3.78	3.54	0.85	0.81	0.89	1.53	27
28	0.89	1.89	3.04	9.58	4.97	3.76	3.73	3.55	0.86	0.79	1.15	1.54	28
29	0.89	1.89	3.07	6.95		3.78	3.78	3.60	0.87	0.79	1.15	1.54	29
30	0.89	1.90	3.08	6.81		3.81	3.77	3.47	0.87	0.79	1.14	1.54	30
31	0.88		3.05	5.85		3.83		3.38		0.79	1.14		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
1-20-69	2130	12.81	1-23-69	0700	15.64	1-26-69	0600	11.14			
1-22-69	0100	15.12	1-25-69	2300	10.85						

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		77.53	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.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1969	A07140	AMERICAN RIVER AT SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	17.37	17.34	18.32	19.49	26.72	27.40	20.99	20.96	20.43	17.96	17.91	18.18	1
2	17.36	17.37	18.32	19.24	26.53	27.14	20.99	20.94	20.44	17.96	17.91	18.18	2
3	17.35	17.50	18.31	18.96	25.55	26.95	21.00	20.98	20.41	17.96	17.91	18.44	3
4	17.34	17.35	18.31	18.90	25.01	26.65	21.03	20.92	20.42	17.97	17.91	18.48	4
5	17.34	17.36	18.30	18.89	24.85	26.31	21.32	20.85	20.41	17.97	18.12	18.16	5
6	17.34	17.43	18.30	18.91	25.22	26.01	21.48	20.87	20.03	17.97	18.17	18.47	6
7	17.34	17.70	18.32	18.88	25.28	NR	21.73	20.86	20.00	17.95	18.18	18.50	7
8	17.33	17.72	18.31	18.89	25.04	NR	21.95	20.87	20.07	17.91	18.19	18.49	8
9	17.34	17.72	18.31	18.90	25.03	NR	22.05	20.86	20.06	17.91	18.20	18.49	9
10	17.33	17.72	18.35	18.89	25.03	NR	22.00	20.80	19.83	17.90	18.19	18.49	10
11	17.34	17.72	18.32	18.93	25.38	NR	21.87	20.87	NR	17.89	18.19	18.49	11
12	17.36	17.73	18.32	18.92	26.23	NR	21.52	20.81	NR	17.89	18.19	18.49	12
13	17.35	17.72	18.34	NR	26.23	NR	21.43	20.87	NR	17.89	18.19	18.49	13
14	17.35	17.73	18.45	NR	26.23	21.98	21.34	20.87	NR	17.90	18.19	18.50	14
15	17.36	17.98	18.38	22.66	26.68	21.87	21.29	20.89	NR	17.93	18.19	18.49	15
16	17.35	18.27	18.34	24.68	27.69	21.83	21.24	21.03	NR	17.93	18.18	18.50	16
17	17.37	18.33	18.34 *	25.16	27.95	21.60	21.19	21.08	NR	17.92	18.19	18.52	17
18	17.34	18.35	18.34 *	24.81	28.00	20.91	21.10	21.14	NR	17.93	18.18	18.50	18
19	17.33	18.33	18.34 *	25.19	27.85	20.82	20.99	21.26	NR	17.93	18.16	18.47	19
20	17.34	18.34	18.33	28.80	27.50	21.03	21.01	21.38	NR	17.93	18.17	18.47	20
21	17.34	18.33	18.33	35.99	27.20	21.04	20.97	21.43	NR	17.92	18.16	18.48	21
22	17.35	18.33	18.34	37.60	26.97	21.03	20.98	21.43	NR	17.93	18.16	18.45	22
23	17.35	18.34	18.34	37.15	27.06	21.07	20.97	21.29	NR	17.93	18.17	18.44	23
24	17.35	18.33	18.57	31.48	27.16	21.12	20.96	20.97	NR	17.94	18.18	18.48	24
25	17.36	18.31	18.69	NR	27.45	20.97	20.97	20.91	NR	17.94	18.20 18.19	18.47	25
26	17.35	18.32	18.70	NR	27.51	20.96	20.98	20.84	NR	17.94	17.99	18.47	26
27	17.35	18.32	19.17	NR	27.12	20.92	21.00	20.72	17.99	17.94	18.17	18.50	27
28	17.35	18.32	19.59	NR	26.99	20.89	20.94	20.65	18.00	17.90	18.18	18.52	28
29	17.36	18.32	19.64	NR		20.92	20.97	20.73	17.99	17.91	18.18	18.51	29
30	17.36	18.32	19.67	NR		20.95	20.98	20.58	17.98	17.91	18.18	18.51	30
31	17.35		19.65	28.19		20.98		20.43		17.91			31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-23-69	0930	38.10									
2-18-69	1530	28.04									

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 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.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT

(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1969	A81820	SCOTTS CREEK AT UPPER LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.64	5.09	5.19	7.52	9.70	11.43	8.66	8.76	8.00	6.87	5.44	4.07	1
2	2.68	5.18	5.17	7.33	9.70	10.98	8.68	8.71	7.95	6.82	5.36	3.92	2
3	2.71	5.15	5.17	7.26	9.56	10.65	8.72	8.60	7.94	6.80	5.25	3.87	3
4	2.75	5.11	5.23	7.03	9.43	10.35	8.78	8.71	7.91	6.74	5.00	3.85	4
5	2.78	5.10	5.23	6.90	9.71	10.07	8.82	8.70	7.85	6.67	4.82	3.82	5
6	2.68	5.10	5.22	6.79	10.58	9.86	8.86	8.69	7.77	6.68	4.72	3.63	6
7	2.69	5.11	5.23	6.70	10.55	9.74	8.85	8.68	7.75	6.64	4.62	3.42	7
8	2.66	5.11	5.26	6.62	10.24	9.60	8.85	8.66	7.75	6.61	4.51	3.58	8
9	2.63	5.11	5.23	6.55	11.77	9.45	8.82	8.64	7.71	6.57	4.44	3.58	9
10	2.63	5.12	6.82	6.48	12.08	9.29	8.78	8.62	7.68	6.52	4.34	3.56	10
11	2.62	5.13	6.90	7.36	12.72	9.20	8.74	8.60	7.66	6.48	4.26	3.55	11
12	2.76	5.15	6.46	10.61	12.55	9.10	8.66	8.56	7.63	6.43	4.21	3.59	12
13	2.96	5.13	6.68	14.27	11.82	8.97	8.63	8.53	7.61	6.39	4.08	3.60	13
14	3.11	5.18	7.49	13.33	11.04	8.86	8.61	8.50	7.57	6.33	4.05	3.63	14
15	3.29	5.23	8.74	10.53	11.54	8.75	8.64	8.47	7.56	6.28	4.03	3.78	15
16	3.41	5.15	9.08	8.92	11.72	8.64	8.66	8.45	7.52	6.24	4.05	3.80	16
17	3.52	5.13	8.04	8.32	11.17	8.63	8.63	8.43	7.50	6.20	4.07	3.81	17
18	3.69	5.15	7.60	8.33	10.69	8.61	8.64	8.32	7.45	6.17	4.09	3.85	18
19	3.85	5.15	7.33	10.62	10.37	8.61	8.65	8.34	7.41	6.13	4.11	3.87	19
20	3.99	5.13	7.08	13.52	10.12	8.67	8.68	8.33	7.37	6.08	4.12	3.89	20
21	4.13	5.12	6.85	15.03	9.99	8.63	8.68	8.30	7.35	6.05	4.13	3.90	21
22	4.27	5.12	6.67	14.07	9.84	8.63	8.71	8.28	7.30	6.00	4.13	3.94	22
23	4.37	5.13	8.02	11.86	9.86	8.65	8.76	8.24	7.17	5.97	4.13	3.93	23
24	4.49	5.16	11.77	10.41	10.08	8.66	8.76	8.21	7.13	5.91	4.08	3.94	24
25	4.63	5.16	12.76	10.22	10.36	8.65	8.76	8.18	7.08	5.85	4.00	3.91	25
26	4.74	5.14	11.67	11.79	10.30	8.65	8.78	8.16	7.05	5.81	3.93	3.85	26
27	4.85	5.13	9.63	11.68	10.21	8.66	8.78	8.09	6.95	5.75	3.87	3.73	27
28	4.94	5.13	8.76	10.90	11.08	8.67	8.77	8.05	6.97	5.73	3.87	3.66	28
29	5.04	5.15	8.33	10.34		8.67	8.78	8.02	6.95	5.65	3.90	3.59	29
30	5.09	5.20	7.97	9.92		8.66	8.74	8.03	6.92	5.58	3.92	3.48	30
31	5.10		7.71	9.72		8.63		8.03		5.51	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
12-24-68	2200	13.01	2-11-69	2330	13.43						
1-21-69	1900	15.44	3- 1-69	0400	11.54						

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 ht. 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
1969	A08125	CACHE CREEK AT YOLO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NF	NF	NF	2.58	9.15	14.02	1.84	NF	NF	NF	NF	NF	1
2	NF	NF	NF	2.44	8.82	11.46	1.74	NF	NF	NF	NF	NF	2
3	NF	NF	NF	2.34	8.70	11.35	1.74	NF	NF	NF	NF	NF	3
4	NF	NF	NF	2.28	8.42	10.51	1.73	NF	NF	NF	NF	NF	4
5	NF	NF	NF	2.27	8.86	9.99	1.61	NF	NF	NF	NF	NF	5
6	NF	NF	NF	2.35	13.87	9.69	2.30	NF	NF	NF	NF	NF	6
7	NF	NF	NF	2.31	11.03	9.40	2.83	NF	NF	NF	NF	NF	7
8	NF	NF	NF	2.23	9.70	9.04	2.78	NF	NF	NF	NF	NF	8
9	NF	NF	NF	2.15	11.22	8.72	2.71	NF	NF	NF	NF	NF	9
10	NF	NF	NF	2.07	12.92	8.86	3.51	NF	NF	NF	NF	NF	10
11	NF	NF	NF	2.01	12.90	8.65	3.78	NF	NF	NF	NF	NF	11
12	NF	NF	2.12	3.51	16.20	8.31	3.71	NF	NF	NF	NF	NF	12
13	NF	0.41	1.70	12.04	12.67	8.09	3.66	NF	NF	NF	NF	NF	13
14	NF	0.58	1.62	11.82	11.48	7.83	2.47	NF	NF	NF	NF	NF	14
15	NF	0.72	3.20	6.14	17.61	7.64	1.38	NF	NF	NF	NF	NF	15
16	NF	0.51	6.24	4.63	15.43	7.45	1.04	NF	NF	NF	NF	NF	16
17	0.46	NF	3.30	3.87	12.47	7.35	1.02	NF	NF	NF	NF	NF	17
18	0.51	0.50	2.47	3.51	11.76	5.35	1.01	NF	NF	NF	NF	NF	18
19	NF	0.59	2.10	9.22	11.15	3.85	1.00	NF	NF	NF	NF	NF	19
20	NF	0.59	1.87	13.20	10.36	3.53	0.99	NF	NF	NF	NF	NF	20
21	0.51	0.58	1.67	19.38	9.92	3.44	0.98	NF	NF	NF	NF	NF	21
22	0.57	NF	1.50	17.87	9.46	3.25	0.98	NF	NF	NF	NF	NF	22
23	0.57	NF	1.38	12.00	9.77	3.01	0.98	NF	NF	NF	NF	NF	23
24	0.53	NF	1.73	10.42	11.14	2.85	50.03 *	NF	NF	NF	NF	NF	24
25	NF	0.53	6.59	10.17	11.84	2.74	50.20	NF	NF	NF	NF	NF	25
26	NF	0.50	6.83	15.84	10.61	2.66	50.16	NF	NF	NF	NF	NF	26
27	NF	NF	4.24	12.84	9.80	2.55	50.04	NF	NF	NF	NF	NF	27
28	NF	NF	3.47	10.95	13.25	2.38	49.77	NF	NF	NF	NF	NF	28
29	NF	NF	3.45	10.21		2.31	NF	NF	NF	NF	NF	NF	29
30	NF	NF	3.10	9.84		2.64	NF	NF	NF	NF	NF	NF	30
31	NF		2.80	9.41		2.02		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
12-16-68	0600	8.63	1-13-69	2400	18.65	1-26-69	1600	19.01	2-15-69	2200	19.73
12-25-68	2400	8.44	1-21-69	1800	22.25	2-06-69	1200	16.13	2-28-69	2400	16.14

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 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
1969	A02935	YOLO BYPASS NEAR WOODLAND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	10.44	10.33	10.27	17.28	26.77	25.80	14.91	11.95	13.68	10.52	10.34	10.74	1
2	10.47	10.34	10.27	16.46	26.05	25.87	14.86	11.89	13.19	10.48	10.34	10.77	2
3	10.46	10.42	10.24	15.10	25.35	25.86	14.92	11.70	12.79	10.45	10.37	10.82	3
4	10.46	10.44	10.24	13.78	24.70	25.63	14.95	11.73	12.37	10.41	10.48	10.78	4
5	10.45	10.52	10.24	12.86	23.80	25.16	15.18	11.72	11.68	10.36	10.63	10.77	5
6	10.46	10.52	10.23	12.08	24.04	24.63	15.25	11.49	11.07	10.45	10.62	10.76	6
7	10.45	10.52	10.28	11.81	24.73	23.88	15.40	11.20	10.97	10.50	10.62	10.74	7
8	10.40	10.47	10.31	11.70	24.65	22.75	15.52	10.90	10.96	10.49	10.61	10.75	8
9	10.42	10.41	10.29	11.57	24.66	21.95	15.53	10.81	10.82	10.51	10.60	10.80	9
10	10.43	10.35	10.31	11.45	24.87	21.64	15.55	11.02	10.78	10.60	10.60	10.75	10
11	10.41	10.33	10.35	11.33	24.95	21.50	15.76	11.45	10.83	10.60	10.59	10.70	11
12	10.43	10.34	10.33	11.34	25.72	21.37	15.88	12.58	10.77	10.61	10.58	10.64	12
13	10.43	10.37	10.29	15.11	26.15	21.13	15.97	13.69	11.26	10.62	10.55	10.64	13
14	10.40	10.27	10.41	22.31	26.44	20.76	15.91	14.50	11.26	10.62	10.55	10.60	14
15	10.42	10.34	10.60	23.06	26.80	20.48	15.35	14.98	11.16	10.60	10.54	10.61	15
16	10.54	10.35	12.37	26.00	27.30	20.27	14.09	15.45	11.05	10.35	10.54	10.59	16
17	10.46	10.35	18.32	25.68	27.27	20.20	13.27	15.62	10.95	10.26	10.55	10.56	17
18	10.37	10.34	18.14	24.79	27.18	19.86	12.92	15.58	10.84	10.29	10.30	10.56	18
19	10.47	10.35	17.05	23.92	26.96	19.56	12.30	15.62	10.81	10.36	10.16	10.58	19
20	10.47	10.40	14.90	25.34	26.60	17.96	12.06	15.58	10.83	10.53	10.15	10.58	20
21	10.43	10.48	12.68	27.23	26.27	17.75	12.06	15.48	10.75	10.59	10.14	10.58	21
22	10.42	10.47	11.26	28.21	26.02	17.74	11.95	15.29	10.81	10.55	10.14	10.54	22
23	10.41	10.38	10.53	28.70	25.88	17.96	11.76	15.11	10.46	10.31	10.12	10.53	23
24	10.55	10.34	10.27	28.47	25.78	17.55	11.77	14.88	NF	NF	10.11	10.53	24
25	10.58	10.33	11.13	28.28	25.81	17.00	11.99	14.75	NF	NF	10.25	10.53	25
26	10.60	10.29	18.06	28.41	25.97	16.61	12.00	14.80	NF	NF	10.50	10.52	26
27	10.60	10.28	19.99	28.65	25.74	15.87	12.08	14.81	10.14	NF	10.59	10.52	27
28	10.55	10.30	19.50	28.34	25.53	15.62	12.06	14.70	10.17	10.47	10.61	10.52	28
29	10.40	10.30	18.85	28.00		15.32	12.01	14.53	10.21	10.62	10.62	10.52	29
30	10.36	10.28	18.42	27.62		15.17	12.10	14.29	10.36	10.61	10.64	10.52	30
31	10.33		17.91	27.31		15.11		14.02		10.51	10.68		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-17-68		18.66	1-14-69	1700	22.81	1-20-69	2400	26.32			
12-26-68		19.90	1-16-69	1800	26.12	1-27-69	0400	28.74			

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
1969	A91250	PUTAH CREEK NEAR WINTERS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	7.64	4.81	5.08	5.15	11.92	13.22	7.81	7.01	7.76	7.63	7.31	6.81	1
2	7.57	4.41	5.05	5.19	11.68	13.13	7.70	7.16	7.57	7.55	7.14	6.74	2
3	7.57	4.10	5.01	5.29	11.41	13.01	7.68	7.11	7.57	7.53	7.16	6.80	3
4	7.58	4.38	4.79	5.40	11.13	12.76	7.59	7.18	7.89	7.61	7.44	6.94	4
5	7.57	5.00	4.08	5.36	11.09	12.48	7.64	7.33	7.90	7.68	7.61	6.80	5
6	7.51	4.98	4.15	5.25	12.11	12.17	7.78	7.45	7.91	7.72	7.65	6.62	6
7	7.47	4.97	4.08	5.06	12.21	11.87	7.77	7.52	7.89	7.72	7.59	6.65	7
8	7.48	4.97	4.19	4.96	12.02	11.59	7.72	7.48	7.86	7.86	7.52	6.77	8
9	7.43	4.87	4.25	4.95	12.73	11.34	7.71	7.57	7.81	7.88	7.50	6.78	9
10	7.31	4.80	4.22	5.10	13.32	11.12	7.65	7.54	7.66	7.97	7.44	6.80	10
11	7.31	4.38	4.03	5.52	13.58	10.87	7.58	7.51	7.58	7.89	7.36	6.70	11
12	7.08	3.91	4.04	5.38	13.95	10.69	7.56	7.49	7.54	7.85	7.39	6.54	12
13	6.98	3.98	4.16	5.15	13.68	10.52	7.42	7.42	7.60	7.82	7.48	6.37	13
14	7.03	4.06	4.23	4.59	13.44	10.28	7.33	7.41	7.50	7.89	7.52	6.31	14
15	7.00	4.06	4.40	5.09	14.38	10.05	7.26	7.41	7.44	8.04	7.36	6.38	15
16	6.60	4.02	4.89	5.16	14.59	9.88	7.16	7.38	7.55	8.09	7.36	6.39	16
17	7.03	4.05	5.36	5.37	14.26	9.70	7.14	7.44	7.70	7.97	7.33	6.38	17
18	7.04	4.08	5.37	5.44	13.92	9.58	7.03	7.51	7.61	7.93	7.33	6.38	18
19	7.06	4.06	5.12	5.27	13.58	9.39	6.95	7.58	7.41	7.91	7.36	6.38	19
20	7.05	4.17	4.93	6.00	13.17	9.24	6.87	7.49	7.41	7.89	7.30	6.23	20
21	7.01	4.17	5.25	5.29	12.78	9.13	6.79	7.48	7.45	7.89	7.29	6.23	21
22	6.33	4.33	5.25	6.10	12.40	9.00	6.76	7.37	7.34	7.91	7.20	6.30	22
23	6.08	4.67	5.66	7.67	12.25	8.89	6.80	7.61	7.35	7.93	7.00	6.40	23
24	6.17	4.44	5.19	8.49	12.43	8.70	6.93	7.56	7.53	7.95	6.85	6.43	24
25	6.28	4.27	5.00	9.30	12.64	8.57	6.91	7.46	7.59	7.82	6.95	6.43	25
26	6.33	4.24	4.92	12.31	12.60	8.45	6.86	7.54	7.60	7.65	7.03	6.36	26
27	6.20	4.45	5.14	12.70	12.41	8.35	6.78	7.56	7.66	7.61	6.89	6.32	27
28	6.09	5.01	5.05	12.67	12.76	8.23	6.80	7.57	7.68	7.53	6.85	6.29	28
29	5.37	5.04	5.07	12.44		8.15	6.90	7.60	7.64	7.33	6.88	6.23	29
30	4.94	5.08	5.13	12.39		8.04	6.95	7.65	7.64	7.29	6.85	6.13	30
31	4.86		5.13	12.17		7.94		7.68		7.23	6.81		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
1-27-69	1515	12.77	2-12-69	0630	14.01	3-01-69	1015	13.28			
2-06-69	2030	12.29	2-15-69	1930	14.72						

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 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
1969	B07020	SAN JOAQUIN RIVER NEAR VERNALIS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	10.55	11.88	11.65	15.48	30.70	32.91	28.41	24.78	29.94	21.75	14.21	14.40	1
2	10.48	11.98	11.64	15.34	30.39	32.72	28.33	24.78	29.95	21.04	14.27	14.39	2
3	10.58	12.18	11.65	15.29	29.99	32.42	28.12	24.70	29.96	20.58	14.34	14.35	3
4	10.67	12.32	11.72	14.70	29.44	32.05	27.94	24.32	29.98	19.87	14.32	14.37	4
5	10.81	12.31	11.73	14.09	29.29	31.67	27.67	24.24	29.98	19.68	14.16	14.48	5
6	10.95	12.19	11.81	13.58	29.20	31.15	27.60	24.50	29.96	19.99	14.03	14.59	6
7	10.93	12.12	12.26	13.45	29.12	30.63	28.00	24.67	29.98	19.88	13.98	14.71	7
8	10.81	12.05	12.55	13.74	29.14	30.22	28.37	24.77	30.03	19.59	13.96	15.07	8
9	10.69	11.94	12.47	13.69	29.29	29.94	28.74	24.95	30.10	19.23	13.96	15.13	9
10	10.66	11.86	12.39	13.75	29.74	29.77	29.01	25.04	30.20	18.63	13.99	15.05	10
11	10.67	11.78	12.29	14.04	30.07	29.68	28.89	24.96	30.32	18.67	14.06	15.02	11
12	10.55	11.52	12.29	14.21	30.17	29.64	28.56	25.25	30.29	18.69	13.86	14.96	12
13	10.93	11.14	12.22	14.24	30.29	29.60	28.28	26.06	30.06	18.29	13.79	14.81	13
14	11.53	11.04	12.38	14.55	30.39	29.44	28.05	26.69	29.72	18.02	13.68	14.83	14
15	12.10	11.17	12.68	17.35	30.37	29.23	27.77	27.21	29.36	17.63	13.58	14.82	15
16	12.15	11.21	12.35	18.72	30.35	29.13	27.40	27.83	29.01	17.70	13.49	14.68	16
17	11.85	11.31	12.26	18.61	30.39	29.07	26.94	28.40	28.42	18.46	13.67	14.68	17
18	11.53	11.32	12.85	18.68	30.39	28.95	26.58	28.84	28.13	17.88	13.93	14.67	18
19	11.30	11.26	13.17	18.79	30.39	28.78	26.39	29.13	28.14	16.51	13.99	14.53	19
20	11.04	11.21	13.12	19.99	30.68	28.65	26.27	29.30	27.98	15.89	13.98	14.79	20
21	10.78	11.15	13.14	23.10	30.83	28.56	26.27	29.34	27.56	15.94	13.96	14.86	21
22	10.68	11.11	13.36	27.58	30.92	28.57	26.18	29.38	27.19	15.97	13.96	14.89	22
23	10.73	11.06	13.38	30.29	30.66	28.67	25.90	29.44	26.81	15.77	13.92	14.83	23
24	10.83	11.00	13.40	29.47	30.50	28.80	25.56	29.54	26.51	15.20	14.07	14.72	24
25	10.96	10.95	13.53	29.15	30.80	28.90	25.28	29.62	26.39	14.97	14.32	14.75	25
26	11.42	10.96	13.42	30.11	31.67	28.92	25.21	29.66	26.42	14.82	14.17	15.08	26
27	11.58	10.97	13.84	32.83	32.40	28.87	25.22	29.66	26.20	14.98	14.07	15.20	27
28	11.68	10.97	15.31	32.52	32.62	28.71	25.18	29.68	25.38	15.06	14.09	15.93	28
29	11.76	11.17	15.63	32.16		28.56	25.07	29.74	24.07	14.96	14.12	16.46	29
30	11.81	11.56	15.67	31.76		28.51	24.88	29.83	22.73	14.62	14.30	16.63	30
31	11.83		15.61	31.15		28.44		29.90		14.41	14.37		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
1-23-69	0400	30.60	2-17-69	2400	30.42	3-26-69	1800	28.94			
1-27-69	2200	34.55	2-22-69	1200	30.94	4-10-69	1800	29.05			
2-14-69	2400	30.41	3- 1-69	1400	32.96	6-11-69	2100	30.35			

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		
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
1969	B02105	MOKELUMNE RIVER AT WOODBRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3.62	5.91	4.06	4.10	22.11	16.11	14.10	15.73	14.87	6.26	7.87	7.84	1
2	3.62	4.72	4.05	4.09	21.11	16.10	13.29	15.68	14.90	6.18	7.29	8.12	2
3	3.60	4.75	4.06	3.91	20.84	16.11	13.80	15.67	14.89	6.54	7.37	7.77	3
4	3.60	4.43	4.06	4.04	19.78	16.08	13.91	15.65	14.88	8.10	7.28	7.67	4
5	3.60	4.33	4.09	4.06	18.34	16.07	14.12	15.50	14.26	8.38	7.17	7.68	5
6	3.61	4.29	4.55	4.13	18.02	16.04	14.21	14.72	14.13	8.48	7.18	7.69	6
7	3.62	4.28	4.71	4.15	17.96	16.03	14.23	13.28	14.15	8.62	7.25	7.85	7
8	3.62	4.27	4.22	4.12	17.85	16.04	15.20	13.03	14.19	8.50	7.24	7.92	8
9	3.60	4.27	4.11	4.09	17.78	16.04	15.52	12.98	14.17	8.47	7.24	7.83	9
10	3.58	4.26	4.17	3.95	17.70	16.05	15.49	14.14	12.74	8.42	7.27	7.82	10
11	3.58	4.24	4.16	4.12	16.00	15.97	15.51	14.34	11.23	8.27	7.22	7.86	11
12	3.59	4.26	4.09	4.15	15.01	14.76	15.43	14.88	9.44	8.20	7.22	7.85	12
13	3.77	4.21	4.08	4.46	14.66	14.38	15.38	15.74	7.57	8.26	7.42	7.81	13
14	4.25	4.08	4.25	4.99	14.52	15.57	15.25	16.06	7.21	8.24	7.54	7.85	14
15	4.19	4.41	4.27	4.53	14.65	15.93	15.63	16.15	7.19	8.11	7.27	8.00	15
16	4.13	4.17	4.19	4.24	15.50	15.96	15.87	16.12	7.19	8.10	7.28	7.93	16
17	4.08	4.08	4.11	3.93	16.13	15.97	15.78	16.27	7.15	8.07	7.38	7.91	17
18	4.02	4.10	4.04	4.82	16.28	15.95	15.73	16.28	7.11	8.10	7.36	7.95	18
19	3.97	4.09	4.43	5.68	16.34	14.75	15.63	16.34	7.01	8.07	7.38	8.17	19
20	3.92	4.08	4.57	5.94	16.22	14.36	15.57	16.29	6.94	8.13	7.42	8.10	20
21	3.87	4.07	4.14	9.55	16.17	14.31	15.39	16.26	6.96	8.01	7.46	8.13	21
22	3.73	4.07	4.10	15.41	16.14	14.24	15.63	16.27	6.93	7.98	7.53	8.09	22
23	3.65	4.07	4.08	18.72	16.20	14.19	15.89	16.23	6.85	8.01	7.58	8.00	23
24	3.64	4.11	4.14	20.52	16.28	14.17	15.94	15.83	6.86	8.05	7.63	8.59	24
25	3.67	4.07	4.16	21.64	16.23	14.17	15.89	15.71	6.78	8.12	7.66	8.77	25
26	3.69	4.02	4.25	21.71	16.23	14.15	15.88	15.72	6.74	8.25	7.64	8.70	26
27	3.71	4.05	4.22	21.64	16.15	14.16	15.88	15.71	6.68	8.25	7.52	8.68	27
28	3.71	4.06	4.14	21.86	16.12	14.16	15.84	15.68	6.58	8.26	7.57	8.78	28
29	3.78	4.05	4.11	22.52		14.18	15.76	15.65	6.53	8.13	7.49	8.77	29
30	4.24	4.06	4.10	22.65		14.17	15.83	15.06	6.55	8.02	7.62	8.60	30
31	8.00		4.13	22.68		13.48		14.88		7.95	7.76		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			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	MAY 1924-DATE	1924	1931	18.9	USCGS
						JAN 26-DATE		1931		14.9	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
1969	B11150	COSUMNES RIVER AT MICHIGAN BAR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.25	2.68	2.83	3.44	5.42	6.31	5.52	5.11	4.37	3.25	2.69	2.45	1
2	2.27	2.68	2.92	3.38	5.30	5.69	5.51	5.09	4.35	3.25	2.67	2.45	2
3	2.27	3.25	2.94	3.34	5.13	5.60	5.50	5.03	4.31	3.22	2.65	2.44	3
4	2.26	3.91	2.85	3.31	5.02	5.32	5.30	4.96	4.27	3.20	2.64	2.42	4
5	2.26	3.25	2.83	3.30	5.43	5.13	6.03	4.90	4.21	3.16	2.63	2.44	5
6	2.28	2.98	2.80	3.30	6.28	5.02	6.23	4.95	4.15	3.15	2.62	2.46	6
7	2.29	2.85	2.78	3.31	5.69	4.92	5.75	5.03	4.09	3.14	2.61	2.46	7
8	2.30	2.75	2.81	3.32	5.27	4.82	5.50	5.13	4.00	3.11	2.60	2.47	8
9	2.30	2.74	2.80	3.32	5.10	4.83	5.35	5.23	3.93	3.10	2.59	2.51	9
10	2.31	2.70	2.93	3.30	4.97	4.91	5.25	5.26	3.89	3.06	2.58	2.55	10
11	2.33	2.69	3.42	3.45	5.14	4.73	5.23	5.25	3.82	3.05	2.58	2.51	11
12	2.35	2.77	3.47	3.72	6.08	4.67	5.30	5.22	3.84	3.02	2.57	2.49	12
13	2.37	3.08	3.18	5.79	5.48	4.72	5.37	5.15	3.78	3.00	2.57	2.47	13
14	2.43	2.99	3.59	6.55	5.38	4.59	5.35	5.10	3.73	2.98	2.55	2.46	14
15	2.59	2.95	3.87	5.15	6.08	4.52	5.26	4.99	3.71	2.96	2.53	2.45	15
16	2.74	3.00	4.30	4.76	6.11	4.50	5.16	4.90	3.78	2.95	2.52	2.45	16
17	2.63	2.94	3.68	4.38	5.62	4.52	5.12	4.88	3.82	2.92	2.51	2.45	17
18	2.57	2.90	3.43	4.47	5.70	4.54	5.18	4.89	3.73	2.90	2.51	2.45	18
19	2.52	2.89	3.33	7.44	5.67	4.57	5.20	4.86	3.70	2.86	2.51	2.44	19
20	2.49	2.99	3.30	8.99	5.54	4.62	5.21	4.77	3.65	2.84	2.51	2.45	20
21	2.47	2.92	3.15	10.15	5.35	5.07	5.27	4.70	3.62	2.83	2.50	2.46	21
22	2.46	2.86	3.05	8.29	5.15	4.79	5.39	4.66	3.57	2.80	2.50	2.46	22
23	2.45	2.83	3.12	6.64	5.62	4.74	5.55	4.66	3.52	2.79	2.50	2.46	23
24	2.45	2.82	3.31	6.32	5.98	4.75	5.51	4.65	3.49	2.80	2.49	2.46	24
25	2.45	2.86	4.22	7.65	6.02	4.77	5.25	4.61	3.43	2.79	2.49	2.44	25
26	2.43	2.93	4.54	8.66	5.99	4.82	5.10	4.56	3.40	2.76	2.48	2.43	26
27	2.41	2.87	3.97	7.17	5.56	4.87	5.01	4.52	3.37	2.75	2.47	2.44	27
28	2.41	2.83	3.78	6.67	5.66	5.00	4.98	4.48	3.34	2.75	2.51	2.44	28
29	2.42	2.80	3.81	6.20		5.13	5.05	4.42	3.30	2.73	2.49	2.43	29
30	2.46	2.80	3.65	5.85		5.30	5.08	4.40	3.27	2.71	2.46	2.42	30
31	2.52		3.52	5.54		5.48		4.38		2.70	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
1-14-69	0300	7.54	1-21-69	1500	10.88	4- 5-69	2400	6.77			
1-19-69	1400	8.17	1-26-69	0700	9.72						

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
1969	B01125	COSUMNES RIVER AT MCCONNELL

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NF	NF	31.01	32.10	35.67	39.98	35.94	35.13	33.35	31.28	30.14	NF	1
2	NF	NF	31.04	31.97	35.51	38.67	36.00	35.10	33.28	31.25	30.36	NF	2
3	NF	31.31	31.15	31.87	34.95	37.26	36.09	35.00	33.17	31.23	30.50	NF	3
4	NF	32.33	31.15	31.80	34.62	36.31	35.63	34.81	33.10	31.18	30.81	NF	4
5	NF	32.14	31.09	31.75	35.18	35.50	36.32	34.63	32.99	31.12	30.56	NF	5
6	NF	31.49	31.07	31.73	38.30	35.05	39.49	34.66	32.92	31.07	30.26	NF	6
7	NF	31.23	31.04	31.72	39.12	34.75	37.65	34.87	32.78	30.96	NF	NF	7
8	NF	31.09	31.02	31.72	36.24	34.46	36.50	35.13	32.65	30.99	NF	NF	8
9	NF	30.99	31.04	31.73	35.23	34.22	35.97	35.38	32.50	30.96	NF	NF	9
10	NF	30.94	31.04	31.71	34.95	34.80	35.63	35.56	32.39	30.93	NF	NF	10
11	NF	30.89	31.29	31.71	34.78	34.29	35.46	35.54	32.33	30.89	NF	NF	11
12	NF	30.88	32.04	32.81	38.96	33.94	35.54	35.46	32.26	30.82	NF	NF	12
13	NF	30.98	31.80	35.87	37.82	34.13	35.74	35.32	32.25	30.87	NF	NF	13
14	NF	31.36	31.85	42.00	35.93	33.82	35.76	35.17	32.13	30.79	NF	NF	14
15	NF	31.23	32.27	38.29	37.58	33.60	35.61	34.93	32.10	30.76	NF	NF	15
16	NF	31.19	33.64	35.31	39.04	33.50	35.33	34.68	32.06	30.75	NF	NF	16
17	NF	31.25	33.27	34.24	37.15	33.50	35.17	34.58	32.27	30.70	NF	NF	17
18	NF	31.17	32.35	33.69	36.91	33.57	35.22	34.59	32.11	30.66	NF	NF	18
19	NF	31.12	31.98	38.63	37.39	33.61	35.35	34.53	32.03	30.59	NF	NF	19
20	NF	31.13	31.85	44.38	37.07	33.65	35.34	34.34	31.95	30.55	NF	NF	20
21	NF	31.21	31.73	45.80	36.25	34.63	35.45	34.16	31.89	30.52	NF	NF	21
22	NF	31.13	31.52	44.19	35.56	34.36	35.75	34.03	31.84	30.50	NF	NF	22
23	NF	31.08	31.43	41.12	36.51	34.04	36.03	34.00	31.77	30.48	NF	NF	23
24	NF	31.05	31.58	38.76	38.67	34.00	36.43	33.98	31.71	30.46	NF	NF	24
25	NF	31.03	32.24	40.51	39.64	34.04	35.73	33.93	31.62	30.45	NF	NF	25
26	NF	31.09	35.21	42.60	40.32	34.12	35.25	33.82	31.55	30.63	NF	NF	26
27	NF	31.14	33.92	42.12	38.32	34.26	34.96	33.71	31.47	30.49	NF	NF	27
28	NF	31.08	32.86	40.18	36.90	34.51	34.84	33.62	31.44	30.47	NF	NF	28
29	NF	31.04	32.75	38.76		34.85	34.94	33.49	31.39	30.87	NF	NF	29
30	NF	31.03	32.63	37.25		35.25	35.06	33.42	31.31	30.41	NF	NF	30
31	NF		32.30	36.36		35.72		33.38		30.68	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
1-22-69	0200	45.94	2-07-69	0200	40.10	3-01-69	1800	40.77			
1-26-69	2400	43.34	2-25-69	0200	40.07	4-06-69	0200	40.09			

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.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1969	G32100	EAGLE LAKE NEAR SUSANVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	6.02	5.87	5.96	6.17 E	6.26 E	6.58 E	6.96	9.76	10.08	9.99	9.62	9.13	1
2	6.01	5.87	5.96	6.17 E	6.27 E	6.59 E	7.03	9.79	10.08	9.98	9.61	9.12	2
3	6.00	5.90	5.96	6.17 E	6.29 E	6.60 E	7.09	9.83	10.08	9.96	9.59	9.11	3
4	6.00	5.90	5.96	6.17 E	6.31 E	6.61 E	7.19 E	9.87	10.08	9.95	9.57	9.09	4
5	5.99	5.90	5.96	6.17 E	6.32 E	6.63 E	7.30 E	9.88	10.08	9.96	9.54	9.08	5
6	5.99	5.89	5.96	6.17 E	6.33 E	6.64 E	7.40 E	9.89	10.08	9.96	9.52	9.06	6
7	5.98	5.89	5.95	6.17 E	6.34 E	6.65 E	7.51 E	9.91	10.08	9.95	9.49	9.05	7
8	5.95	5.89	5.95	6.17 E	6.35 E	6.66 E	7.61 E	9.93	10.08	9.94	9.48	9.04	8
9	5.94	5.89	5.95	6.17 E	6.36 E	6.67 E	7.73 E	9.96	10.08	9.93	9.47	9.03	9
10	5.93	5.89	6.00	6.17 E	6.37 E	6.68 E	7.84 E	9.98	10.09	9.93	9.45	9.02	10
11	5.93	5.92	6.06	6.17 E	6.38 E	6.69 E	7.95 E	10.01	10.10	9.91	9.43	9.01	11
12	5.92	5.95	6.06	6.17 E	6.39 E	6.70 E	8.07 E	10.03	10.09	9.89	9.41	9.00	12
13	5.92	5.94	6.06	6.17 E	6.40 E	6.71 E	8.19 E	10.04	10.09	9.88	9.40	8.99	13
14	5.91	5.92	6.07	6.17 E	6.42 E	6.73 E	8.30 E	10.06	10.10	9.87	9.39	8.98	14
15	5.91	5.93	6.10	6.17 E	6.43 E	6.74 E	8.41 E	10.07	10.12	9.86	9.37	8.95	15
16	5.92	5.93	6.17 E	6.17 E	6.44 E	6.75 E	8.52 E	10.08	10.12	9.85	9.36	8.93	16
17	5.91	5.93	6.17 E	6.17 E	6.45 E	6.76 E	8.63 E	10.10	10.11	9.83	9.35	8.91	17
18	5.92	5.95	6.17 E	6.17 E	6.46 E	6.77 E	8.74 E	10.11	10.12	9.82	9.33	8.89	18
19	5.91	5.96	6.17 E	6.17 E	6.47 E	6.78 E	8.86 E	10.12	10.12	9.81	9.31	8.87	19
20	5.90	5.95	6.17 E	6.17 E	6.48 E	6.79 E	8.98 E	10.12	10.11	9.80	9.30	8.87	20
21	5.89	5.95	6.17 E	6.17 E	6.49 E	6.80 E	9.10 E	10.12	10.11	9.79	9.29	8.87	21
22	5.89	5.95	6.17 E	6.17 E	6.50 E	6.81 E	9.22 E	10.12	10.10	9.77 E	9.28	8.87	22
23	5.89	5.96	6.17 E	6.18 E	6.52 E	6.82 E	9.33 E	10.13	10.09	9.76 E	9.25	8.85	23
24	5.89	5.97	6.17 E	6.18 E	6.53 E	6.83 E	9.44 E	10.13	10.08	9.74 E	9.22	8.85	24
25	5.89	5.97	6.17 E	6.18 E	6.54 E	6.84 E	9.55 E	10.12	10.07	9.73 E	9.21	8.84	25
26	5.88	5.97	6.17 E	6.20 E	6.55 E	6.85 E	9.58	10.10	10.05	9.71 E	9.19	8.84	26
27	5.88	5.96	6.17 E	6.21 E	6.56 E	6.86 E	9.61	10.10	10.03	9.70 E	9.18	8.83	27
28	5.88	5.96	6.17 E	6.22 E	6.57 E	6.87 E	9.63	10.09	10.02	9.68 E	9.17	8.83	28
29	5.88	5.95	6.17 E	6.23 E		6.88 E	9.67	10.09	10.01	9.67 E	9.16	8.82	29
30	5.88	5.96	6.17 E	6.24 E		6.89 E	9.71	10.09	10.00	9.65 E	9.15	8.81	30
31	5.88		6.17 E	6.25 E		6.89 E		10.09		9.63 E	9.14		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
5-23-69	1200	10.13									

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		
40 36 45	120 43 34	SW22 32N 11E		10.13	5-23-69		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	1969

DATE	OCT	NOV	DEC	JAN	FEB.	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	8.42 7.20	7.63 6.84	8.27 7.30	15.64 A 14.07 A	27.00 A 26.68 A	27.30 A 26.96 A	15.96 A 15.51 A	17.13 A 16.81 A	15.77 15.28	NR NR	9.30 8.37	10.92 10.13	1
2	8.44 7.36	7.79 6.88	7.94 7.22	14.04 A 12.84 A	26.84 A 26.23 A	27.18 A 26.89 A	16.28 A 15.93 A	16.80 A 16.56 A	15.50 14.99	NR NR	9.00 8.22	10.61 9.60	2
3	8.36 7.38	8.25 7.03	7.92 7.10	12.82 A 11.81 A	26.23 A 25.40 A	26.89 A 26.73 A	16.63 A 16.25 A	16.63 A 15.57 A	15.16 14.46	NR NR	8.85 8.09	10.71 9.67	3
4	8.14 7.16	8.18 7.25	8.10 7.06	11.78 A 11.21 A	25.40 A 24.97 A	26.74 A 26.37 A	17.61 A 16.63 A	15.55 A 14.41 A	14.51 13.66	NR NR	8.89 8.05	10.74 9.40	4
5	7.72 6.86	8.15 7.21	8.22 7.14	11.03 10.70	24.98 A 24.79 A	26.37 A 25.97 A	18.85 A 17.62 A	14.52 A 13.94 A	13.73 12.98	NR NR	9.01 8.01	10.69 9.26	5
6	7.47 6.65	8.19 7.17	8.12 7.15	10.77 10.39	25.55 A 24.92 A	25.98 A 25.53 A	19.76 A 18.86 A	14.31 A 13.83 A	13.11 12.17	NR NR	9.07 8.18	11.15 10.69	6
7	7.42 6.46	8.23 7.18	8.25 7.07	10.65 10.22	25.55 A 25.31 A	25.53 A 25.05 A	20.56 A 19.77 A	14.28 A 13.71 A	12.48 11.93	NR NR	9.37 8.82	10.90 10.44	7
8	7.47 6.41	8.13 7.16	8.23 7.21	10.29 10.02	25.31 A 25.20 A	25.04 A 24.24 A	20.88 A 20.58 A	13.90 A 13.53 A	12.29 11.61	NR NR	9.68 8.78	10.74 10.27	8
9	7.42 6.34	8.12 7.01	8.27 7.13	10.10 9.77	25.24 A 25.16 A	24.26 A 23.24 A	20.90 A 20.77 A	13.85 A 13.56 A	NR NR	NR NR	9.65 8.75	10.76 10.32	9
10	7.75 6.30	7.97 6.98	8.88 7.40	9.90 9.43	25.26 A 25.18 A	23.23 A 22.12 A	20.77 A 20.52 A	14.15 A 13.74 A	NR NR	8.86 7.51	9.84 8.98	10.64 10.41	10
11	7.82 6.39	7.99 6.82	8.34 7.82	9.87 9.17	26.13 A 25.23 A	22.10 A 20.48 A	20.52 A 19.88 A	14.75 A 14.12 A	NR NR	8.89 7.84	9.98 9.07	10.81 10.35	11
12	7.90 6.53	7.34 6.97	11.87 A 9.03 A	10.85 A 9.26 A	NR NR	20.47 A 19.02 A	19.87 A 19.33 A	15.26 A 14.76 A	NR NR	8.90 7.57	9.93 8.95	10.81 10.34	12
13	7.71 6.52	7.63 6.67	12.02 11.61	17.78 A 10.89 A	NR NR	19.02 A 17.91 A	19.33 A 19.06 A	15.66 A 15.24 A	11.69 10.97	8.95 7.58	9.96 8.97	10.82 10.35	13
14	7.44 6.63	7.74 6.75	11.67 11.12	22.06 A 17.88 A	NR NR	17.89 A 17.05 A	19.06 A 18.88 A	15.85 A 15.60 A	11.71 10.99	8.26 7.58	10.03 9.17	10.84 10.33	14
15	7.83 6.79	8.16 7.43	11.88 A 10.55 A	24.63 A 22.10 A	27.33 A 26.75 A	17.05 A 16.38 A	18.88 A 18.70 A	17.17 A 15.81 A	11.65 10.98	9.10 7.80	9.84 9.23	10.92 10.40	15
16	7.57 6.69	8.30 7.50	13.48 A 11.85 A	25.62 A 24.62 A	28.00 A 27.33 A	16.37 A 15.95 A	18.70 A 18.43 A	18.09 A 17.18 A	11.52 10.76	9.02 7.68	9.73 9.15	10.96 10.39	16
17	7.58 6.78	8.50 7.71	14.26 A 13.48 A	25.61 A 25.22 A	28.01 A 27.89 A	15.95 A 15.45 A	18.43 A 17.97 A	18.26 A 18.10 A	11.32 10.54	8.81 7.55	9.76 9.10	11.06 10.44	17
18	7.68 6.81	8.65 7.81	14.07 A 13.18 A	25.21 A 24.79 A	28.02 A 27.92 A	15.44 A 15.20 A	17.97 A 17.44 A	18.79 A 18.25 A	10.83 9.95	8.62 7.42	9.95 9.38	11.06 10.44	18
19	7.52 6.74	8.80 7.77	13.15 A 12.22 A	25.90 A 24.88 A	28.00 A 27.58 A	15.27 A 15.11 A	17.44 A 17.01 A	19.23 A 18.79 A	10.46 9.69	8.53 7.42	10.04 9.41	10.97 10.34	19
20	7.73 6.82	8.99 7.86	12.20 A 11.25 A	30.84 A 25.91 A	27.61 A 27.20 A	15.76 A 15.23 A	17.06 A 16.93 A	19.47 A 19.23 A	10.22 9.50	8.27 7.46	10.19 9.43	11.08 10.35	20
21	7.75 6.78	9.16 8.07	11.29 A 10.36 A	31.83 A 30.59 A	27.22 A 26.91 A	16.06 A 15.75 A	16.94 A 16.62 A	19.56 A 19.47 A	10.01 9.06	8.20 7.33	10.19 9.41	10.94 10.19	21
22	7.81 6.71	8.95 8.08	10.52 A 9.57 A	31.53 A 31.24 A	26.92 A 26.67 A	16.73 A 16.05 A	16.72 A 16.34 A	19.52 A 19.43 A	NR NR	8.41 7.35	10.36 9.54	10.85 10.17	22
23	7.96 6.68	8.74 7.76	9.93 A 9.16 A	31.51 A 30.58 A	26.91 A 26.69 A	17.19 A 16.74 A	16.46 A 16.18 A	19.47 A 19.16 A	NR NR	8.64 7.48	10.75 9.90	10.70 10.14	23
24	8.06 6.69	8.73 7.63	10.08 A 8.99 A	30.54 A 28.28 A	27.07 A 26.82 A	17.19 A 17.00 A	16.49 A 16.19 A	19.16 A 18.46 A	NR NR	8.84 7.58	10.83 9.84	10.63 10.07	24
25	8.17 6.69	8.01 7.52	12.81 A 9.67 A	29.18 A 28.30 A	27.42 A 27.06 A	16.99 A 16.19 A	16.71 A 16.45 A	18.45 A 17.90 A	NR NR	9.19 7.76	10.68 9.77	10.39 9.92	25
26	8.09 6.70	7.67 7.13	15.68 A 12.88 A	30.18 A 29.24 A	27.41 A 27.18 A	16.18 A 15.26 A	17.28 A 16.62 A	17.91 A 17.46 A	NR NR	9.40 7.88	10.60 9.80	10.44 9.86	26
27	7.85 6.60	7.87 7.15	16.33 A 15.70 A	30.07 A 29.69 A	27.18 A 26.66 A	15.25 A 14.73 A	17.61 A 17.29 A	17.47 A 16.81 A	NR NR	9.65 8.03	10.39 9.78	10.67 9.94	27
28	7.41 6.57	7.78 7.06	16.54 A 16.27 A	29.70 A 28.77 A	26.95 A 26.51 A	14.84 A 14.69 A	17.62 A 17.52 A	16.83 A 16.45 A	NR NR	9.75 8.24	10.58 9.94	10.49 9.80	28
29	8.05 6.68	7.81 6.96	16.26 A 15.94 A	28.74 A 27.71 A		14.99 A 14.68 A	17.58 A 17.40 A	16.59 A 16.01 A	NR NR	9.70 8.31	10.60 10.11	10.17 9.53	29
30	7.71 6.68	8.16 7.23	16.51 A 15.97 A	27.73 A 27.45 A		15.18 A 14.89 A	17.42 A 17.10 A	16.15 A 15.53 A	NR NR	9.72 8.45	10.74 10.25	10.01 9.20	30
31	7.56 6.72		16.42 A 15.65 A	27.45 A 27.02 A		15.61 A 15.15 A		15.72 A 15.34 A	NR NR	9.59 8.45	10.25 10.34		31
MAXIMUM	8.44	9.16	16.54	31.83	NR	27.30	20.90	19.56	NR	NR	10.91	11.15	MAXIMUM
MINIMUM	6.30	6.67	7.06	9.17	NR	14.68	15.51	13.53	NR	NR	8.01	9.20	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 36 09	121 33 12	NE 29 9N 4E		33.1	12-23-1955		NOV 26-JUL 37 # OCT 37-DATE	1926 1926 1964	 1964 	0.00 -3.07 -3.49 -3.00	USED USCGS USCGS USCGS

Station located 100 feet below weir, 4 miles northwest of Sacramento. Station located in tidal zone.

- Flood season only.

TABLE 8-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER AT SACRAMENTO

in feet

STATION NO	WATER YEAR
A02100	1969

DATE	OCT.	NOV.	DEC	JAN.	FEB.	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	4.90 3.27	4.07 3.03	4.81 3.58	11.61 A 10.20 A	22.94 A 22.51 A	23.24 A 22.85 A	12.04 11.61	13.18 A 12.84 A	11.92 A 11.37 A	6.19 4.56	5.36 4.19	2.10 6.30	1
2	4.89 3.42	4.27 3.09	4.40 3.48	10.16 A 9.02 A	22.66 A 22.10 A	23.08 A 22.72 A	12.35 11.96	12.87 12.59	11.67 A 11.10 A	5.91 4.33	5.25 4.17	6.59 6.43	2
3	4.82 3.50	4.80 3.29	4.38 3.32	8.99 A 8.05 A	22.09 A 21.19 A	22.75 A 22.58 A	12.66 A 12.29 A	12.76 11.78	11.34 A 10.61 A	5.42 4.00	4.85 4.09	7.17 6.59	3
4	4.60 3.31	4.69 3.53	4.60 3.27	7.76 7.41	21.19 A 20.78 A	22.60 A 22.26 A	13.58 A 12.66 A	11.76 10.61	10.69 A 9.88 A	5.10 3.84	5.40 4.17	7.54 6.80	4
5	4.19 3.03	4.41 3.42	4.75 3.00	7.33 6.91	20.80 A 20.67 A	22.26 A 21.87 A	14.82 A 13.59 A	10.78 10.12	10.00 A 9.17 A	5.02 3.69	5.47 4.34	7.62 6.72	5
6	3.97 2.62	4.66 3.34	4.65 3.41	7.08 6.57	21.37 A 20.75 A	21.87 A 21.46 A	15.66 A 14.82 A	10.58 10.02	9.38 8.33	5.05 3.46	5.76 4.66	7.48 6.67	6
7	3.94 2.63	4.73 3.38	4.78 3.32	6.98 6.40	21.36 A 21.11 A	21.45 A 20.99 A	16.44 A 15.67 A	10.58 9.92	8.72 8.09	5.07 3.79	6.06 4.85	7.27 6.46	7
8	4.00 2.58	4.64 3.37	4.77 3.48	6.61 6.27	21.11 A 20.93 A	20.98 A 20.22 A	16.76 A 16.45 A	10.13 9.69	8.57 7.82	5.47 4.09	6.04 4.82	7.13 6.30	8
9	4.00 2.53	4.62 3.22	4.76 3.40	6.42 5.99	21.02 A 20.90 A	20.24 A 19.29 A	16.81 A 16.66 A	10.04 9.73	8.35 7.56	5.62 3.94	6.22 5.06	7.17 6.40	9
10	4.36 2.50	4.47 3.19	5.42 3.66	6.25 5.70	21.02 A 20.92 A	19.28 A 18.22 A	16.67 A 16.43 A	10.27 9.86	8.16 7.41	5.44 3.74	6.35 5.15	7.06 6.28	10
11	4.45 2.64	4.50 3.03	4.68 4.10	6.27 5.41	21.93 A 20.95 A	18.21 A 16.62 A	16.42 A 15.79 A	10.84 A 10.19 A	8.25 7.46	5.43 3.76	6.34 5.04	7.05 6.37	11
12	4.50 2.79	3.96 3.19	7.62 A 5.15 A	6.95 A 5.54 A	22.45 A 21.93 A	16.61 A 15.22 A	15.81 A 15.28 A	11.34 A 10.81 A	8.07 7.21	5.46 3.76	6.20 5.02	7.04 6.41	12
13	4.25 2.74	3.53 2.84	7.95 7.59	13.14 A 6.98 A	22.42 A 22.28 A	15.19 A 14.07 A	15.27 A 15.00 A	11.74 A 11.28 A	7.98 7.09	5.51 3.79	6.29 5.23	7.10 6.43	13
14	4.29 2.77	4.11 2.89	7.76 6.69	17.47 A 13.19 A	22.51 A 22.23 A	14.06 A 13.22 A	15.01 A 14.83 A	11.93 A 11.67 A	8.02 7.12	5.66 3.98	6.35 5.32	7.14 6.41	14
15	3.54 2.87	4.57 3.65	8.07 A 6.67 A	20.08 A 17.49 A	23.10 A 22.50 A	13.20 A 12.56 A	14.84 A 14.67 A	13.06 A 11.82 A	7.95 7.08	5.56 3.86	6.16 5.20	7.24 6.49	15
16	3.94 2.75	4.70 3.70	9.34 A 7.79 A	21.30 A 20.10 A	23.87 A 23.09 A	12.56 A 12.16 A	14.67 A 14.39 A	14.00 A 13.07 A	7.82 6.87	5.36 3.73	6.01 5.17	7.25 6.47	16
17	3.96 2.87	4.92 3.92	10.17 A 9.24 A	21.31 A 20.94 A	23.87 A 23.71 A	12.13 A 11.60 A	14.39 A 13.97 A	14.18 A 14.00 A	7.85 6.66	5.12 3.58	6.28 5.40	7.35 6.52	17
18	4.11 2.97	5.11 4.02	9.81 9.52	20.93 A 20.55 A	23.90 A 23.75 A	11.59 A 11.34 A	13.98 A 13.48 A	14.67 A 14.17 A	7.07 5.97	5.03 3.65	6.37 5.45	6.65 6.47	18
19	3.97 2.93	5.28 4.01	9.15 A 8.39 A	21.67 A 20.68 A	23.86 A 23.43 A	11.38 11.21	13.47 A 13.02 A	15.10 A 14.68 A	6.70 5.74	4.74 3.49	6.61 5.38	7.26 6.39	19
20	4.22 3.07	5.44 4.09	8.35 A 7.42 A	27.04 A 21.70 A	23.66 A 23.08 A	11.88 11.34	13.09 A 12.93 A	15.33 A 15.10 A	6.48 5.57	4.91 3.50	6.42 5.36	7.39 6.43	20
21	4.25 3.03	5.63 4.25	7.24 6.61	28.18 A 27.08 A	23.11 A 22.77 A	12.15 A 11.84 A	12.96 A 12.66 A	15.44 A 15.33 A	6.24 5.01	4.36 3.66	6.45 5.35	7.24 6.28	21
22	4.36 2.97	5.44 4.28	6.50 5.82	28.11 A 27.77 A	22.77 A 22.50 A	12.73 A 12.12 A	12.79 A 12.40 A	15.40 A 15.32 A	5.86 4.96	4.26 3.74	6.62 5.52	7.16 6.26	22
23	4.55 2.93	5.25 3.98	6.04 5.40	28.10 A 27.06 A	22.77 A 22.53 A	13.20 A 12.74 A	12.36 A 12.24 A	15.35 A 15.03 A	5.96 5.09	5.39 3.93	7.05 5.93	7.00 6.23	23
24	4.69 2.96	5.26 3.90	6.49 5.24	27.05 A 24.51 A	22.95 A 22.74 A	13.24 A 13.01 A	12.53 A 12.26 A	15.03 A 14.37 A	6.17 4.98	5.78 4.09	7.14 5.89	6.95 6.17	24
25	4.81 2.96	4.44 3.80	8.71 A 5.88 A	25.53 A 24.52 A	23.33 A 22.93 A	13.02 A 12.26 A	12.74 12.46 A	14.37 A 13.83 A	6.19 5.07	5.97 4.16	6.94 5.73	6.69 6.03	25
26	4.72 2.98	4.04 3.33	11.28 A 8.76 A	26.63 A 25.56 A	23.31 A 23.08 A	12.26 A 11.38 A	13.21 A 12.63 A	13.84 A 13.41 A	6.21 4.85	6.21 4.36	6.84 5.80	6.80 6.00	26
27	4.45 2.88	4.26 3.00	12.07 A 11.31 A	26.50 A 26.11 A	23.08 A 22.40 A	11.36 A 10.84 A	13.56 A 13.22 A	13.45 A 12.80 A	6.27 4.63	6.29 4.44	6.78 5.77	7.04 6.14	27
28	3.94 2.86	4.19 3.26	12.40 A 12.05 A	26.11 A 25.09 A	22.84 A 22.44 A	11.01 A 10.80 A	13.59 A 13.48 A	12.84 A 12.45 A	6.22 4.46	6.23 4.53	6.74 5.87	6.70 5.98	28
29	4.66 2.98	4.26 3.17	12.11 A 11.78 A	25.06 A 23.88 A		11.16 A 10.75 A	13.57 A 13.39 A	12.63 A 12.06 A	6.08 4.35	6.23 4.57	6.74 6.03	6.56 5.75	29
30	4.27 2.94	4.65 3.50	12.35 A 11.77 A	23.88 A 23.60 A		11.31 A 10.99 A	13.46 A 13.10 A	12.24 A 11.57 A	6.14 4.42	6.05 4.47	6.88 6.14	6.17 5.45	30
31	4.05 2.94		12.23 11.63	23.60 A 22.97 A		11.75 A 11.24 A		11.81 A 11.38 A		5.71 4.31	7.03 6.26		31
MAXIMUM	4.90	5.63	12.40	28.18	23.90	23.24	16.81	15.44	11.92	6.29	7.14	7.62	MAXIMUM
MINIMUM	2.50	2.84	3.00	5.41	20.67	10.75	11.61	9.69	4.35	3.46	4.09	5.45	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 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 δ MAY 43-DATE	JAN 04-JUL 05 20-DATE	1904 1956 1956 1965 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.

δ - Irrigation season only.

TABLE 8-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER NEAR FREEPORT

in feet

STATION NO	WATER YEAR
B91850	1969

DATE	OCT	NOV	DEC	JAN.	FEB.	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	4.29 2.17	3.38 1.92	4.12 2.35	8.62 A 7.48 A	18.53 A 18.11 A	18.76 A 18.33 A	9.09 8.58	NR NR	9.60 8.58	5.40 3.16	4.40 2.78	5.57 4.35	1
2	4.26 2.29	3.61 2.00	3.61 2.29	7.44 A 6.54 A	18.23 A 17.74 A	18.58 A 18.28 A	9.36 8.86	NR NR	9.38 8.32	5.09 2.96	4.33 2.76	5.63 4.44	2
3	4.18 2.42	4.15 2.18	3.59 2.02	6.58 6.05	17.74 A 16.92 A	18.33 A 18.11 A	9.61 9.15	NR NR	9.03 7.91	4.59 2.62	4.50 2.69	5.95 4.52	3
4	3.98 2.26	4.04 2.48	3.85 1.94	6.03 5.27	16.93 A 16.58 A	18.13 A 17.86 A	10.23 9.41	NR NR	8.45 7.33	4.25 2.54	4.57 2.82	5.19 4.73	4
5	3.59 2.05	3.92 2.29	4.03 2.09	5.69 4.77	16.65 A 16.48 A	17.85 A 17.51 A	11.31 A 10.23 A	NR NR	7.71 6.70	4.33 2.49	3.31 2.86	5.99 4.76	5
6	3.42 1.87	3.98 2.18	3.92 2.14	5.49 4.52	17.14 A 16.54 A	17.51 A 17.17 A	12.01 A 11.31 A	NR NR	7.28 5.94	3.33 2.29	4.74 3.10	5.83 4.62	6
7	3.40 1.76	4.04 2.18	4.11 2.05	5.46 4.36	17.12 A 16.88 A	17.17 A 16.77 A	12.69 A 12.01 A	NR NR	6.76 5.76	4.38 2.63	4.97 3.26	5.62 4.38	7
8	3.49 1.69	3.95 2.18	4.05 2.25	5.06 4.33	16.88 A 16.68 A	16.77 A 16.14 A	13.02 A 12.68 A	NR NR	6.62 5.40	4.77 2.93	4.98 3.21	5.54 4.31	8
9	3.51 1.62	3.94 2.04	4.01 2.12	4.93 4.09	16.82 A 16.66 A	16.12 A 15.30 A	13.09 A 12.80 A	NR NR	6.50 5.43	4.94 2.77	5.10 3.43	5.66 4.43	9
10	3.91 1.59	3.77 2.03	4.63 2.36	4.87 3.87	16.82 A 16.66 A	15.29 A 14.35 A	12.94 A 12.69 A	NR NR	6.44 5.31	4.76 2.58	5.22 3.51	5.56 4.34	10
11	3.99 1.75	3.79 1.88	3.70 2.82	4.97 3.64	17.53 A 16.74 A	14.34 A 12.95 A	12.71 A 12.15 A	NR NR	6.58 5.39	4.77 2.56	5.29 3.48	5.52 4.42	11
12	3.99 1.87	3.25 2.06	5.36 3.32	5.49 3.86	18.11 A 17.54 A	12.93 A 11.67 A	12.23 A 11.69 A	NR NR	6.42 5.12	4.78 2.54	5.12 3.37	5.52 4.38	12
13	3.68 1.80	2.71 1.69	5.82 5.09	9.74 5.24	18.05 A 17.88 A	11.65 A 10.64 A	11.76 A 11.44 A	8.96 8.55	6.32 4.99	4.84 2.58	5.11 3.54	5.64 4.53	13
14	3.63 1.74	3.25 1.69	5.82 4.69	13.49 A 9.81 A	18.10 A 17.85 A	10.65 A 9.88 A	11.59 A 11.29 A	9.15 8.76	6.40 4.97	4.97 2.77	5.14 3.63	5.69 4.51	14
15	2.74 1.75	3.69 2.43	6.38 4.56	15.76 A 13.52 A	18.63 A 18.04 A	9.91 9.78	11.41 A 11.15 A	9.78 A 8.77 A	6.33 4.94	4.86 2.65	4.91 3.52	5.80 4.02	15
16	3.18 1.59	3.78 2.33	7.13 5.48	16.91 A 15.77 A	19.30 A 18.56 A	9.42 9.09	11.27 A 10.88 A	10.61 A 9.77 A	6.21 4.77	4.66 2.51	4.74 3.49	5.79 4.57	16
17	3.21 1.73	4.00 2.55	7.81 6.60	16.97 A 16.60 A	19.32 A 19.18 A	9.17 8.84	11.02 A 10.63 A	10.92 A 10.61 A	6.33 4.71	4.40 2.36	5.02 3.73	5.92 4.52	17
18	3.41 1.89	4.27 2.64	7.70 6.67	16.66 A 16.34 A	19.37 A 19.19 A	8.78 8.35	10.73 A 10.21 A	11.26 A 10.84 A	5.63 4.08	4.30 2.46	5.16 3.77	5.79 4.47	18
19	3.31 1.89	4.46 2.65	7.22 6.24	17.29 A 16.38 A	19.29 A 18.91 A	8.60 8.20	10.26 A 9.77 A	11.58 A 11.26 A	5.32 3.91	3.97 2.30	5.20 3.69	5.96 4.38	19
20	3.60 2.04	4.57 2.71	6.48 5.42	21.58 A 17.31 A	18.92 A 18.58 A	8.88 8.25	9.94 A 9.60 A	11.81 A 11.58 A	5.10 3.81	4.18 2.33	5.22 3.73	5.07 4.47	20
21	3.65 2.00	4.79 2.79	5.93 4.82	22.91 A 21.65 A	18.60 A 18.30 A	9.21 8.73	NR NR	11.95 A 11.75 A	4.88 3.28	4.45 2.49	5.42 3.63	5.80 4.33	21
22	3.77 1.95	4.65 2.85	5.28 4.16	22.89 A 22.50 A	18.32 A 18.06 A	9.48 9.00	NR NR	11.90 A 11.73 A	4.57 3.23	3.33 2.60	4.43 3.76	5.74 4.33	22
23	4.00 1.88	4.48 2.61	4.85 3.68	22.84 A 22.08 A	18.33 A 18.07 A	9.94 A 9.50 A	NR NR	11.87 A 11.55 A	4.67 3.43	4.72 2.87	5.89 4.16	5.61 4.32	23
24	4.16 1.92	4.49 2.58	5.27 3.53	22.04 A 19.90 A	18.49 A 18.25 A	10.00 A 9.69 A	NR NR	11.63 A 10.99 A	4.97 3.38	5.15 2.93	5.97 4.14	5.56 4.29	24
25	4.30 1.94	3.34 2.53	6.53 A 4.05 A	20.67 A 19.89 A	18.76 A 18.44 A	9.80 9.13	NR NR	11.05 A 10.47 A	5.09 3.56	5.29 2.90	5.70 3.92	5.30 4.16	25
26	4.19 1.97	3.36 2.01	8.47 A 6.55 A	21.74 A 20.69 A	18.78 A 18.56 A	9.16 8.34	NR NR	10.61 A 10.14 A	5.20 3.33	5.50 3.07	5.58 3.99	5.50 4.20	26
27	3.91 1.87	3.26 2.01	9.14 A 8.48 A	21.57 A 21.21 A	18.56 A 18.07 A	8.44 7.83	NR NR	10.36 A 9.63 A	5.37 3.18	5.59 3.15	5.45 3.97	5.77 4.39	27
28	4.13 1.86	3.32 1.93	9.57 A 8.98 A	21.25 A 20.47 A	18.33 A 18.03 A	8.26 7.81	NR NR	9.90 9.30	5.40 3.03	5.50 3.19	5.33 4.04	5.45 4.27	28
29	3.44 1.98	3.44 1.88	9.21 A 8.69 A	20.44 A 19.27 A		8.44 8.01	NR NR	9.77 9.03	5.30 2.91	5.47 3.21	5.26 4.12	5.40 4.04	29
30	3.69 1.93	3.91 2.40	9.43 A 8.68 A	19.29 A 19.05 A		8.55 8.19	NR NR	9.52 8.65	5.36 3.02	5.24 3.13	5.39 4.20	5.06 3.83	30
31	3.39 1.89		9.32 A 8.65 A	19.05 A 18.55 A		8.96 8.19		9.27 8.44		4.85 2.94	5.49 4.28		31
MAXIMUM	4.30	4.79	9.57	22.91	19.37	18.76	NR	NR	9.60	5.59	5.97	5.99	MAXIMUM
MINIMUM	1.59	1.69	1.94	3.64	16.48	7.81	NR	NR	2.91	2.29	2.69	3.83	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 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 8-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER AT SNODGRASS SLOUGH

in feet

STATION NO	WATER YEAR
891750	1969

DATE	OCT.	NOV	DEC	JAN.	FEB.	MAR	APR.	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.89 4.07	5.93 3.84	6.66 4.24	9.14 8.10	16.07 15.76	16.43 16.17	9.47 8.54	10.40 9.09	10.72 8.55	7.90 4.76	6.81 4.41	7.52 5.52	1
2	6.83 4.17	6.18 3.92	6.09 4.14	8.52 7.26	15.85 15.38	16.29 15.83	9.65 8.58	10.25 8.86	10.46 8.32	7.57 4.57	6.76 4.42	7.56 5.50	2
3	6.75 4.31	6.72 4.37	6.03 3.63	8.02 6.56	15.10 14.74	16.06 15.84	10.02 8.83	10.39 8.81	10.04 7.96	7.07 4.25	6.95 4.40	7.82 5.53	3
4	6.52 4.23	6.62 4.34	6.34 3.52	7.64 5.98	14.76 14.58	15.88 15.62	10.11 8.98	9.83 7.86	9.55 7.56	6.71 4.24	7.01 4.61	7.83 5.70	4
5	6.19 4.08	6.48 4.13	6.54 3.72	7.39 5.62	14.71 14.38	15.64 15.32	11.03 9.63	9.43 7.46	8.94 7.07	6.85 4.25	7.12 4.53	6.86 5.73	5
6	6.05 3.93	6.53 3.99	6.42 3.78	7.22 5.43	15.06 14.44	15.39 15.06	11.38 10.43	9.39 7.50	8.19 6.52	6.92 4.16	5.69 4.61	7.68 5.58	6
7	6.03 3.85	6.60 3.93	6.61 3.69	7.26 5.31	15.09 14.77	15.15 14.73	11.66 10.95	9.52 7.49	8.21 6.42	5.69 4.60	7.29 4.74	7.42 5.29	7
8	6.16 3.75	6.51 3.96	6.55 3.92	6.81 5.37	14.86 14.52	14.79 14.29	12.03 11.49	8.65 7.07	8.15 6.35	7.31 4.80	7.30 4.66	7.39 5.33	8
9	6.16 3.68	6.49 3.81	6.48 3.85	6.74 5.17	14.90 14.52	14.28 13.61	12.07 11.49	8.29 7.00	8.06 6.39	7.48 4.61	7.38 4.80	7.60 5.49	9
10	6.53 3.65	6.30 3.82	7.04 3.99	6.60 5.05	14.88 14.51	13.58 12.85	11.88 11.34	8.37 7.33	8.14 6.20	7.31 4.41	7.52 4.88	7.50 5.41	10
11	6.65 3.81	6.30 3.68	5.98 4.49	7.03 4.87	15.05 14.60	12.78 11.79	11.68 11.00	8.86 7.85	8.37 6.30	7.33 4.36	7.61 4.94	7.46 5.55	11
12	6.65 3.92	5.71 3.89	6.27 4.26	7.67 5.24	15.95 15.59	11.67 10.67	11.48 10.60	9.37 8.15	8.18 5.97	7.32 4.31	7.44 4.80	7.46 5.63	12
13	6.30 3.84	5.37 3.50	7.00 5.40	9.50 6.88	15.94 15.49	10.94 9.86	11.06 10.38	9.62 8.29	8.10 5.83	7.39 4.36	7.37 4.90	7.59 5.75	13
14	6.21 3.71	5.73 3.48	7.43 5.67	12.03 11.62	16.01 15.60	10.40 9.24	11.06 10.28	9.67 8.33	8.21 5.80	7.51 4.55	7.37 5.01	7.68 5.71	14
15	5.69 3.64	6.11 4.16	8.22 5.53	13.53 13.39	16.49 15.64	9.95 8.80	10.90 10.19	9.74 8.55	8.14 5.76	7.39 4.41	7.10 4.92	7.79 5.76	15
16	5.59 3.44	6.18 4.00	8.42 6.22	14.86 14.00	16.91 16.11	9.74 8.79	10.80 10.01	10.35 9.28	8.01 5.64	7.19 4.29	6.86 4.89	7.77 5.72	16
17	5.72 3.59	6.41 4.19	8.85 7.29	15.06 14.33	17.01 16.62	9.60 8.56	10.67 9.75	10.63 9.68	8.21 5.71	6.93 4.15	7.19 5.20	7.89 5.53	17
18	5.96 3.80	6.73 4.35	8.93 7.14	14.88 14.24	16.99 16.61	9.29 8.26	10.61 9.68	10.98 9.98	7.55 5.19	6.83 4.25	7.35 5.24	7.72 5.49	18
19	5.91 3.82	6.94 4.24	8.87 6.84	15.34 14.13	16.95 16.48	9.13 8.09	10.17 9.06	11.02 10.20	7.28 5.10	6.48 4.15	7.41 5.18	7.91 5.38	19
20	6.21 4.03	7.01 4.28	8.33 6.38	15.69 14.97	16.61 16.23	9.34 8.12	9.90 8.88	11.05 10.44	7.04 5.10	6.73 4.23	7.42 5.13	7.78 5.49	20
21	6.25 3.98	7.22 4.26	7.97 5.81	19.52 18.83	16.26 15.89	9.67 8.54	9.89 8.80	11.16 10.54	6.70 4.61	7.00 4.45	7.66 4.95	6.74 5.35	21
22	6.37 3.87	7.10 4.32	7.42 5.30	19.53 19.08	16.06 15.70	9.79 8.75	9.87 8.77	11.06 10.50	6.82 4.60	7.27 4.60	6.37 5.07	7.74 5.38	22
23	6.62 3.79	6.95 4.14	7.00 4.90	19.54 19.18	16.07 15.71	9.87 9.03	9.67 8.62	11.05 10.45	7.19 4.90	7.72 4.77	8.15 5.48	7.64 5.42	23
24	6.78 3.84	6.97 4.14	7.35 4.77	18.90 A 17.29 A	16.27 15.87	9.83 8.99	9.32 8.49	10.98 10.02	5.63 4.90	5.96 4.77	8.23 5.42	7.59 5.44	24
25	6.92 3.87	6.00 4.17	7.69 5.26	17.85 A 17.22 A	16.34 16.17	9.74 8.69	9.23 8.58	10.57 9.61	7.37 5.12	7.82 4.67	7.92 5.12	7.31 5.34	25
26	6.82 3.90	5.64 3.61	8.86 6.90	18.91 A 17.88 A	16.39 16.06	9.25 8.07	9.31 8.85	10.25 9.39	7.56 6.81	8.02 4.76	7.77 5.19	7.61 5.45	26
27	6.54 3.81	5.63 3.59	9.43 8.10	18.63 18.30	16.15 15.67	8.84 7.70	9.71 9.21	10.24 9.06	7.79 4.73	8.13 4.85	7.60 5.16	7.91 5.69	27
28	6.75 3.82	5.73 3.57	9.86 8.55	18.54 18.28	16.08 15.86	8.80 7.71	9.98 9.34	10.05 8.84	7.87 4.58	8.03 4.83	7.43 5.24	7.58 5.65	28
29	6.30 3.95	5.88 3.57	9.59 8.23	17.74 A 16.66 A		9.06 7.94	10.25 9.33	10.08 8.73	7.78 4.46	7.96 4.86	7.24 5.27	7.61 5.31	29
30	5.99 3.90	6.38 4.07	9.69 8.41	16.89 16.47		9.15 8.06	10.28 9.30	10.06 8.44	7.84 4.58	7.74 4.78	7.37 5.33	7.31 5.18	30
31	5.96 3.82		9.65 8.73	16.58 16.41		9.50 8.43		10.05 8.22		7.31 4.58	7.44 5.43		31
MAXIMUM	6.92	7.22	9.86	19.54	17.01	16.43	12.07	11.16	10.72	8.13	8.23	7.91	MAXIMUM
MINIMUM	3.44	3.48	3.52	4.87	14.38	7.70	8.47	7.00	4.46	4.15	4.40	5.18	MINIMUM

E- Estimated
NR- No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

A Tidal action effected 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	1969

DATE	OCT	NOV	DEC	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	3.77 0.39	2.86 0.23	3.39 0.34	4.94 2.43	8.92 6.45	9.07 8.34	5.08 3.46	5.86 3.71	6.80 3.71	4.77 0.87	3.63 0.55	4.11 1.30	1
2	3.72 0.50	3.12 0.32	3.00 -0.16	4.60 2.41	8.63 8.18	9.02 8.18	5.22 3.55	5.79 3.55	6.55 3.44	4.43 0.68	3.58 0.58	4.13 1.27	2
3	3.63 0.67	3.62 0.68	2.92 0.55	4.31 1.91	8.09 7.69	8.85 8.28	5.62 3.64	6.00 3.58	6.10 3.15	3.95 0.39	3.77 0.64	4.35 1.26	3
4	3.43 0.63	3.54 1.01	3.23 -0.33	4.08 1.52	7.92 7.26	8.58 7.90	5.60 3.78	5.65 2.92	5.63 2.84	3.57 0.44	3.85 0.94	4.33 1.39	4
5	3.12 0.50	3.39 0.43	3.43 -0.10	3.91 1.27	7.88 7.13	8.45 7.82	6.43 4.30	5.46 2.64	5.10 2.49	3.72 0.56	3.93 0.68	4.20 1.39	5
6	3.01 0.43	3.46 0.27	3.32 -0.03	3.75 1.15	8.17 7.31	8.34 7.62	6.52 4.66	3.50 2.74	4.52 2.10	3.82 0.37	4.07 0.67	3.22 1.24	6
7	3.02 0.31	3.33 0.17	3.51 -0.13	3.83 1.09	8.08 7.43	8.15 7.32	6.43 4.86	5.63 2.74	3.88 2.10	2.36 1.04	2.69 0.74	3.91 0.92	7
8	3.11 0.20	3.43 0.22	3.46 0.15	3.35 1.22	7.97 7.23	8.00 7.03	6.54 5.09	4.60 2.24	4.51 2.08	4.19 1.12	4.09 0.65	3.94 1.06	8
9	3.14 0.15	3.40 0.07	3.37 0.06	3.33 1.07	8.10 7.24	7.70 6.67	6.47 5.08	4.21 2.15	4.49 2.18	4.38 0.89	4.16 0.75	4.20 1.26	9
10	3.47 0.12	3.22 0.09	3.90 0.20	3.46 1.03	8.07 7.17	7.25 6.08	6.27 4.97	4.27 2.48	4.62 1.98	4.22 0.69	4.26 0.83	4.07 1.18	10
11	3.61 0.26	3.20 -0.04	2.78 0.71	3.75 0.92	8.29 7.36	6.78 5.42	6.10 4.81	4.76 2.93	4.91 2.07	4.23 0.61	4.37 0.93	4.04 1.36	11
12	3.63 0.39	2.59 0.19	2.68 0.11	4.47 1.43	8.91 7.89	6.22 4.61	6.14 4.61	5.20 3.23	4.69 1.64	4.22 0.55	4.22 0.77	4.03 1.48	12
13	3.27 0.28	2.28 -0.16	3.10 0.69	5.65 2.76	8.89 7.90	5.89 4.13	5.82 4.44	3.40 3.23	4.66 1.30	4.28 0.61	4.11 0.85	4.17 1.65	13
14	3.19 0.12	2.69 -0.21	3.82 1.42	6.98 4.77	9.10 8.04	5.59 3.76	5.96 4.44	5.38 3.22	4.74 1.46	4.41 0.80	4.08 0.95	4.27 1.60	14
15	2.59 -0.03	2.99 0.43	4.73 1.34	7.59 5.91	9.60 8.52	5.33 3.47	5.86 4.36	5.43 3.28	4.67 1.40	4.28 0.65	3.79 0.89	4.38 1.63	15
16	2.58 -0.23	3.02 0.26	4.78 1.75	8.34 6.82	9.63 8.74	5.23 3.37	5.77 4.19	5.79 3.81	4.54 1.32	4.09 0.54	3.55 0.86	4.36 1.55	18
17	2.63 -0.07	3.25 0.40	4.96 2.36	8.45 7.15	9.75 8.82	5.13 3.27	5.77 4.06	5.87 3.97	4.76 1.47	3.84 0.41	3.89 1.24	4.49 1.28	17
18	2.86 0.17	3.57 0.37	5.10 2.88	8.33 6.86	9.68 8.92	4.88 3.29	5.86 3.89	6.21 4.23	4.16 1.03	3.71 0.54	4.05 1.33	4.33 1.22	18
19	2.83 0.24	3.80 0.81	5.33 2.20	8.92 6.91	9.64 8.97	4.76 3.07	5.45 3.57	6.09 4.25	3.92 1.00	3.36 0.48	4.13 1.31	4.30 1.10	19
20	3.16 0.42	3.86 0.40	4.93 1.97	9.62 7.54	9.36 8.65	4.99 3.14	5.24 3.38	5.91 4.37	3.63 1.02	3.60 0.61	4.15 1.08	4.39 1.20	20
21	3.20 0.43	4.06 0.31	4.66 1.53	11.19 9.48	9.00 8.35	3.24 3.36	5.25 3.37	5.90 4.46	3.41 0.64	3.87 0.68	4.39 0.85	3.26 1.07	21
22	3.34 0.23	3.95 0.37	4.16 1.14	11.33 10.39	8.85 8.18	5.31 3.46	5.28 3.45	5.75 4.41	3.57 0.64	4.15 1.09	4.89 0.97	4.36 1.12	22
23	3.58 0.14	3.82 0.21	3.77 0.85	11.34 10.70	8.87 8.22	5.12 3.52	5.13 3.40	5.79 4.43	3.96 1.03	4.57 1.11	3.40 1.35	4.27 1.21	23
24	3.74 0.18	3.81 0.28	4.06 0.75	10.81 9.71	9.15 8.21	5.00 3.47	4.69 3.07	5.25 4.15	2.15 1.12	2.79 1.02	4.94 1.26	4.21 1.26	24
25	3.89 0.21	2.86 0.33	4.25 1.26	10.27 9.52	8.94 8.46	4.97 3.32	4.48 3.07	5.51 3.94	4.15 1.26	4.68 0.86	4.61 0.92	3.92 1.21	25
26	3.78 0.24	2.47 -0.22	4.70 2.30	11.10 10.05	8.98 8.35	4.65 2.92	4.49 3.26	5.35 3.89	4.38 0.87	4.90 0.89	4.45 1.00	4.26 1.39	26
27	3.51 0.16	2.53 -0.23	5.01 3.02	10.90 10.33	8.88 8.15	4.37 2.67	4.82 3.60	5.55 3.74	4.62 0.81	5.00 0.99	4.27 0.96	4.55 1.64	27
28	3.69 0.21	2.57 -0.20	5.38 3.37	10.93 10.02	8.96 8.29	4.46 2.73	5.14 3.81	5.55 3.60	4.73 0.65	4.90 0.95	4.05 1.07	4.25 1.63	28
29	3.24 0.34	2.75 -0.14	5.16 3.06	10.05 9.02		4.74 2.92	5.49 3.87	5.68 3.49	4.65 0.55	4.81 0.99	3.85 1.10	4.31 1.22	29
30	3.07 0.29	3.26 0.33	5.18 3.09	9.54 8.79		4.83 3.03	5.60 3.86	5.80 3.33	4.73 0.66	4.58 0.91	3.96 1.18	4.05 1.13	30
31	2.88 0.21		5.17 2.94	9.26 9.03		5.13 3.42		3.94 3.22		4.15 0.71	4.02 1.31		31
MAXIMUM	3.89	4.06	5.38	11.34	9.75	9.07	6.54	6.21	6.80	5.00	4.94	4.55	MAXIMUM
MINIMUM	-0.23	-0.23	-0.33	0.92	7.13	2.67	3.07	2.15	0.55	0.39	0.55	0.92	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

STATION NO.	WATER YEAR
B91560	1969

in feet

DATE	OCT.	NOV	DEC	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.83 2.22	5.95 2.06	6.51 2.10	8.60 7.54	18.99 A 18.20 A	16.24 A 16.00 A	8.39 7.22	7.98 3.49	9.26 5.37	7.68 2.46	6.52 1.98	7.06 2.79	1
2	6.75 2.24	6.25 2.29	5.87 1.49	8.26 6.91	18.19 A 17.06 A	16.43 A 16.24 A	8.30 6.97	7.95 3.41	9.10 4.74	7.34 2.19	6.52 2.10	7.18 2.87	2
3	6.75 2.57	6.78 2.65	5.91 2.56	7.79 6.20	17.04 A 15.99 A	16.47 A 16.38 A	8.49 6.93	8.16 3.48	8.74 4.19	6.79 1.67	6.66 2.26	7.37 2.98	3
4	6.58 2.49	6.64 3.08	6.19 1.35	7.34 5.04	15.98 A 15.10 A	16.46 A 16.03 A	8.36 6.87	7.85 2.89	8.25 3.65	6.47 1.93	6.74 2.73	7.33 2.91	4
5	6.29 2.41	6.44 3.24	6.36 1.60	7.11 3.95	15.08 A 14.19	16.01 A 15.48 A	8.89 7.16	7.92 2.81	7.67 3.42	6.70 2.25	6.74 2.40	7.22 2.84	5
6	6.20 2.31	6.47 2.07	6.27 1.67	6.89 3.11	14.44 14.31	15.49 A 14.83 A	8.82 7.29	8.01 3.21	7.17 2.86	6.75 2.38	5.34 2.30	7.19 2.61	6
7	6.15 2.20	6.48 1.93	6.45 1.58	6.93 2.65	14.62 A 14.32 A	14.83 A 14.29 A	8.57 7.17	8.08 3.30	6.48 3.04	5.58 2.94	6.86 2.30	6.96 2.21	7
8	6.22 2.08	6.41 2.05	6.38 1.92	6.49 2.69	14.65 A 14.61 A	14.30 A 13.73 A	8.60 7.31	6.89 2.30	7.18 3.05	7.03 2.93	6.90 2.16	6.93 2.40	8
9	6.22 2.03	6.38 1.86	6.08 1.83	6.48 2.53	14.65 A 14.58 A	13.73 A 13.23 A	8.57 7.28	6.53 2.12	7.12 3.17	7.23 2.58	7.00 2.18	7.23 2.62	9
10	6.57 2.02	6.20 1.95	6.98 2.55	6.57 2.65	14.87 A 14.62 A	13.25 A 13.06 A	8.37 7.29	6.57 2.72	7.25 2.92	7.12 2.34	7.03 2.23	7.10 2.47	10
11	6.65 2.30	6.21 1.80	5.53 1.67	6.83 2.59	15.12 14.85	13.07 A 12.92 A	8.47 7.47	7.14 3.52	7.59 3.00	7.16 2.24	7.21 2.31	7.08 2.77	11
12	6.64 2.52	5.61 2.18	5.77 1.59	7.44 3.24	15.99 A 15.13 A	12.95 A 12.83 A	8.75 7.65	7.70 4.24	7.58 2.90	7.16 2.17	7.04 2.13	7.03 2.84	12
13	6.27 2.36	5.18 1.60	6.64 2.83	8.85 5.04	16.72 A 16.00 A	12.82 A 12.69 A	8.61 7.69	8.08 4.72	7.65 2.81	7.26 2.21	6.96 2.15	7.20 3.23	13
14	6.11 2.22	5.68 1.67	7.70 3.20	9.54 7.36	17.17 A 16.72 A	12.70 A 12.54 A	8.77 7.75	8.01 4.89	7.76 2.84	7.43 2.52	6.90 2.27	7.22 3.14	14
15	5.58 1.87	6.12 2.37	7.33 3.19	10.70 9.46	18.25 17.15	12.53 A 12.40 A	8.56 7.17	8.04 5.31	7.67 2.64	7.27 2.19	6.63 2.27	7.30 3.13	15
16	5.26 1.65	6.04 2.07	NR NR	14.09 10.60	18.78 A 18.26 A	12.40 A 12.29 A	7.95 5.74	8.25 5.60	7.51 2.44	7.03 2.00	6.44 2.28	7.20 3.10	16
17	5.69 1.81	6.22 2.08	NR NR	15.68 14.13	18.84 A 18.77 A	12.33 A 12.20 A	7.76 5.10	8.19 5.84	7.71 2.95	6.67 1.84	6.73 2.88	7.31 2.65	17
18	5.89 1.88	6.50 2.03	NR NR	15.68 A 15.13 A	18.77 A 18.63 A	12.22 A 12.08 A	7.84 4.41	8.62 6.11	7.11 2.39	6.55 2.05	6.81 2.95	7.20 2.54	18
19	5.94 2.07	6.72 2.70	NR NR	NR NR	18.63 A 18.29 A	12.08 A 11.84 A	7.38 3.85	8.23 5.96	6.87 2.54	6.30 2.08	6.87 2.95	7.39 2.49	19
20	6.22 2.28	6.77 2.02	NR NR	NR NR	18.29 A 17.77 A	11.84 A 11.56 A	7.15 3.54	7.93 5.82	6.60 2.72	6.56 2.34	6.84 2.65	6.21 2.56	20
21	6.27 2.31	6.94 1.87	7.86 4.60	19.01 A 15.04 A	17.76 A 17.18 A	11.56 A 11.25 A	7.09 3.52	7.83 5.73	6.36 2.34	6.76 2.80	7.16 2.32	7.24 2.30	21
22	6.37 2.01	6.84 1.91	7.19 3.09	20.93 A 19.09 A	17.19 A 16.58 A	11.25 A 10.82 A	7.30 3.94	7.59 5.66	6.42 2.40	6.98 3.12	5.96 2.48	7.21 2.40	22
23	6.62 1.88	6.74 1.77	6.72 2.20	21.72 A 20.94 A	16.82 16.37	10.88 A 10.50 A	7.08 3.90	7.68 5.73	5.52 2.91	7.40 3.00	7.67 2.98	7.15 2.55	23
24	6.77 1.99	6.78 2.01	7.16 2.14	21.62 A 20.79 A	16.60 16.03	10.50 A 10.04 A	5.96 3.05	6.82 5.22	6.65 2.84	5.76 2.77	7.74 2.69	7.09 2.50	24
25	6.94 2.03	5.83 2.02	7.22 2.70	20.80 A 20.40 A	16.56 16.39	10.02 9.55	6.21 3.10	7.45 5.28	6.88 2.75	7.47 2.29	7.50 2.22	6.84 2.46	25
26	6.83 2.10	5.44 1.35	7.58 3.57	21.08 A 20.46	16.51 16.47	9.63 8.92	6.18 3.22	7.45 5.44	7.08 2.22	7.70 2.32	7.35 2.42	7.13 2.76	26
27	6.57 2.02	5.49 1.43	8.02 5.84	21.31 21.09	16.51 A 16.19 A	9.11 8.43	6.56 3.44	7.79 5.50	7.34 2.10	7.79 2.33	7.18 2.31	7.50 3.22	27
28	6.77 2.18	5.66 1.55	9.13 7.56	21.19 20.81	16.21 16.00	8.77 7.95	6.95 3.71	7.95 5.25	7.42 1.91	7.74 2.34	7.07 2.52	7.15 3.19	28
29	6.34 2.24	5.74 1.65	9.18 8.26	20.80 A 20.10 A		8.60 7.59	7.35 3.79	8.21 5.09	7.43 1.80	7.76 2.51	6.87 2.49	7.27 2.63	29
30	6.07 2.21	6.29 2.15	9.18 8.34	20.10 A 19.64 A		8.41 7.42	7.63 3.89	8.38 4.93	7.53 2.17	7.53 2.45	6.94 2.62	6.96 2.69	30
31	5.98 2.07		8.87 8.01	19.64 A 19.00 A		8.57 7.65		8.62 4.86		7.11 2.21	7.00 2.84		31
MAXIMUM	6.94	6.94	NR	21.72	18.99	16.47	8.89	8.62	9.26	7.79	7.74	7.50	MAXIMUM
MINIMUM	1.65	1.35	NR	2.53	14.19	7.42	3.05	2.12	1.80	1.67	1.98	2.21	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 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, 5.2 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

YOLO BYPASS AT LIBERTY ISLAND

in feet

STATION NO	WATER YEAR
B91500	1969

DATE	OCT.	NOV	DEC	JAN.	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	NR NR	NR NR	6.75 1.65	7.06 1.72	13.18A 12.34A	9.86 8.87	7.07 2.92	7.77 2.27	9.10 3.21	8.01 1.77	6.76 1.56	7.13 2.32	1
2	NR NR	NR NR	6.09 0.98	7.04 1.59	12.31A 10.36A	10.14 9.28	7.15 2.86	7.75 2.02	8.89 2.90	7.62 1.63	6.79 1.75	7.09 2.38	2
3	NR NR	NR NR	6.06 0.77	6.95 1.45	10.33A 8.42A	10.16 9.53	7.55 2.82	7.98 2.21	8.45 2.50	7.05 1.28	6.98 2.04	7.28 2.43	3
4	6.62 2.11	NR NR	6.36 1.09	6.83 3.49	9.00 8.05	9.96 9.30	7.42 2.56	7.78 1.76	7.96 2.47	6.77 1.54	7.01 2.38	7.25 2.47	4
5	6.38 2.13	NR NR	6.57 3.23	6.70 1.35	8.54 6.96	9.44 8.69	8.08 3.01	7.64 1.65	7.46 2.40	6.98 1.91	6.97 2.03	7.11 2.47	5
6	6.35 1.85	NR NR	6.43 1.13	6.54 1.36	8.32 6.16	8.94 7.53	7.86 2.69	7.95 2.30	7.14 2.31	7.06 2.17	7.08 1.95	6.12 2.19	6
7	6.36 1.73	NR NR	6.65 1.04	6.64 1.40	7.89 5.90	8.34 6.37	7.36 2.33	7.97 2.40	7.20 2.59	7.33 2.69	7.10 1.98	6.83 1.64	7
8	6.45 2.38	NR NR	6.51 1.43	6.12 1.66	8.02 5.95	7.93 5.54	7.26 2.42	6.79 1.67	7.20 2.73	7.52 2.70	5.72 1.82	6.90 1.93	8
9	6.44 1.66	NR NR	6.47 1.33	6.18 1.66	8.27 6.30	7.72 4.88	7.10 2.36	6.54 1.62	5.75 2.79	5.65 2.27	7.19 1.81	7.20 2.16	9
10	6.73 1.69	NR NR	6.90 1.63	6.31 1.87	8.30 6.23	7.38 4.16	6.79 2.46	6.17 2.21	7.35 2.51	7.37 1.94	7.34 1.84	7.07 2.01	10
11	6.86 1.91	NR NR	5.79 2.14	6.64 1.98	8.76 6.98	7.12 3.56	6.77 2.54	7.15 2.71	7.64 2.53	7.42 1.85	7.43 1.97	7.07 2.33	11
12	6.65 2.18	NR NR	5.60 1.30	7.34 2.72	9.28 7.74	6.93 3.08	6.94 2.65	7.44 2.93	7.56 2.35	7.40 1.74	7.27 1.69	7.05 2.46	12
13	6.28 2.00	3.20 1.30	5.94 1.33	8.40 3.08	10.18 8.89	6.94 2.94	6.76 2.55	7.63 2.63	7.54 2.17	7.41 1.70	7.18 1.83	7.21 2.77	13
14	6.14 1.93	6.07 1.33	6.81 2.49	8.30 2.94	11.15 9.96	6.99 2.69	7.07 2.76	7.54 2.25	7.64 2.07	7.58 1.98	7.17 1.95	7.30 2.76	14
15	5.61 1.58	6.11 2.04	7.86 2.78	8.19 2.60	12.33A 9.96A	6.98 2.55	7.01 2.39	7.51 2.10	7.59 2.08	7.43 1.79	6.83 1.96	7.41 2.66	15
16	5.73 1.31	6.19 1.73	7.42 2.12	8.38 2.63	13.02 12.09	7.08 2.69	6.93 2.17	7.65 2.10	7.41 1.99	7.22 1.71	6.64 1.97	7.37 2.63	16
17	5.87 1.44	6.44 1.66	7.35 1.76	8.61 4.40	13.23 12.84	7.08 2.79	7.14 2.43	7.38 2.03	7.64 2.34	6.97 1.57	6.94 2.56	7.45 2.24	17
18	6.02 1.64	6.80 1.49	7.71 1.86	9.27 4.84	13.15 12.95	6.84 2.73	7.40 2.12	7.77 2.52	7.05 1.95	6.81 1.80	7.12 2.79	7.22 2.10	18
19	6.09 1.78	7.06 1.45	8.15 1.86	9.63 5.36	13.00 12.60	6.76 2.64	6.92 1.88	7.35 2.03	6.79 2.10	6.58 1.86	7.19 2.69	7.43 2.06	19
20	6.44 1.87	7.09 1.23	7.78 3.40	9.45 5.54	12.58A 11.92A	7.07 2.83	6.74 1.75	6.95 2.14	6.48 2.25	6.84 2.16	7.17 2.35	7.36 2.02	20
21	6.54 1.57	7.26 3.00	7.57 1.65	11.47A 5.73A	11.91A 10.89A	7.20 2.72	6.74 2.02	6.81 2.39	6.38 1.96	7.09 2.73	7.39 1.96	7.36 1.80	21
22	6.72 1.39	7.11 1.26	7.05 1.40	16.29A 11.55A	11.00 9.94	7.10 2.70	6.80 2.50	6.56 2.45	6.51 2.16	7.34 2.95	7.90 2.08	6.34 1.82	22
23	6.98 2.48	7.02 1.12	6.64 1.15	17.81A 16.31A	10.52 9.64	6.48 2.12	6.63 2.78	6.73 2.85	6.92 2.79	7.75 2.73	6.31 2.40	7.30 2.02	23
24	7.12 1.43	6.93 1.35	7.02 1.40	16.34A 15.35A	10.24 9.04	6.04 2.22	5.71 1.85	6.65 2.68	7.13 2.70	7.81 2.45	7.98 2.14	7.24 2.04	24
25	7.21 1.46	NR NR	7.13 2.04	15.35A 14.64A	10.12 9.40	6.10 2.32	5.08 1.72	6.67 2.82	7.39 2.54	5.82 2.04	7.70 1.55	6.97 2.03	25
26	7.05 1.53	NR NR	7.06 2.46	15.31A 14.61A	10.13 9.35	5.94 2.16	5.18 1.83	5.66 3.07	5.45 1.93	8.11 1.96	7.59 1.75	7.33 2.38	26
27	6.72 1.49	NR NR	6.95 2.40	15.76A 15.33A	10.14 9.19	5.90 2.10	6.08 2.08	7.14 2.83	7.68 1.72	8.26 1.96	7.38 1.63	7.61 3.14	27
28	6.81 1.71	5.77 1.18	7.34 2.56	15.61A 15.25A	10.08 9.01	6.22 2.25	6.52 2.58	7.33 2.52	7.82 1.36	8.19 1.91	7.17 1.84	7.31 2.67	28
29	NR NR	5.97 1.36	7.02 2.15	15.25A 14.32A		6.68 2.53	7.04 2.77	7.68 2.28	7.81 1.23	8.11 1.92	6.90 1.89	7.33 2.17	29
30	NR NR	6.44 1.72	6.99 1.86	14.32A 13.85A		6.80 2.53	7.34 2.66	7.94 2.10	7.93 1.47	7.87 1.82	7.03 2.15	7.04 2.22	30
31	NR NR		6.97 1.78	13.84A 13.19A		7.10 3.00		8.24 2.16		7.37 1.66	7.08 2.36		31
MAXIMUM	NR	NR	8.15	17.81	13.23	10.16	8.08	8.24	9.10	8.26	7.98	7.61	MAXIMUM
MINIMUM	NR	NR	0.77	1.35	5.90	2.10	1.72	1.62	1.23	1.28	1.55	1.64	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 19 15	121 40 00	SW 32 6N 3E		18.4	2-8-1942		1918-DATE	1918		0.00	USED
								1918		-2.92	USCGS
									1964	-3.34	USCGS
								1964		-3.00	USCGS

Station located on east levee of Liberty Island, approximately 3 miles north of Prospect Slough, 5.3 miles west of Courtland. Station located in tidal zone. Maximum gage height listed does not necessarily indicate maximum discharge.

TABLE B-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER AT RIO VISTA

in feet

STATION NO.	WATER YEAR
B91210	1969

DATE	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG	SEP.	DATE
1	6.66 1.99	5.83 2.05	6.50 1.90	6.77 1.80	7.42 4.20	7.46 4.00	6.73 3.00	7.39 2.40	8.85 3.20	7.77 2.01	6.54 1.88	6.91 2.60	1
2	5.83 2.12	6.12 2.13	5.94 1.22	6.75 1.72	6.93 3.60	7.43 4.20	6.87 2.98	7.43 2.29	8.63 2.90	7.37 1.80	6.55 2.11	6.91 2.60	2
3	6.59 2.31	6.57 2.34	5.80 0.98	6.65 1.60	6.55 4.54	7.29 4.00	7.29 2.80	7.67 2.30	8.19 2.58	6.87 1.60	6.74 2.40	7.11 2.68	3
4	6.37 2.35	6.49 1.99	6.12 1.30	6.53 1.52	6.81 3.30	6.95 3.80	7.17 2.60	7.49 1.99	7.71 2.50	6.50 1.76	6.81 2.60	7.07 2.74	4
5	6.07 2.41	6.34 1.83	6.34 1.32	6.41 1.54	NR NR	6.91 3.95	7.97 3.00	7.57 1.97	7.19 2.47	6.74 2.15	6.81 2.30	6.91 2.68	5
6	6.05 2.13	6.38 1.66	6.18 3.60	6.24 3.62	NR NR	6.97 3.80	7.69 2.71	7.69 2.40	6.80 2.40	6.87 2.48	6.93 2.20	6.70 2.40	6
7	6.10 1.99	6.44 3.61	6.38 1.24	6.39 1.58	NR NR	6.93 3.67	7.18 2.30	7.71 2.40	6.91 2.60	7.16 2.90	6.93 2.26	5.71 1.97	7
8	6.20 1.90	6.32 1.77	6.26 1.64	5.88 1.90	NR NR	7.03 3.51	7.09 2.46	6.55 1.84	6.91 2.90	7.32 2.90	5.54 2.08	6.68 2.18	8
9	6.21 3.06	6.26 1.64	6.18 1.52	5.90 1.89	NR NR	7.06 3.44	6.91 2.40	6.23 1.80	7.05 2.98	7.17 2.50	7.03 2.09	6.99 2.40	9
10	6.45 1.90	6.06 1.76	6.65 1.78	6.07 2.12	NR NR	6.95 3.10	6.61 2.40	5.93 2.35	5.61 2.70	5.69 1.66	7.11 2.13	6.87 2.30	10
11	6.58 2.08	6.01 1.66	5.52 2.32	6.38 2.23	NR NR	6.77 2.70	6.54 2.50	6.81 2.80	7.35 2.70	7.21 2.11	7.25 2.24	6.87 2.60	11
12	6.48 2.33	5.46 2.03	5.37 1.48	7.11 2.84	NR NR	6.65 2.30	6.69 2.60	7.05 3.00	7.33 2.50	7.17 1.98	7.11 2.00	6.85 2.70	12
13	6.08 2.19	5.23 1.64	5.70 1.54	8.13 3.24	NR NR	6.68 2.30	6.46 2.60	7.25 2.70	7.31 2.39	7.23 1.90	6.99 2.10	6.91 3.08	13
14	5.97 2.05	5.66 1.65	6.55 2.60	8.07 2.96	NR NR	6.68 2.10	6.63 2.80	7.22 2.45	7.40 2.31	7.36 2.22	6.97 2.20	7.01 3.10	14
15	5.41 1.76	5.79 2.20	7.56 2.90	7.98 2.67	NR NR	6.67 2.11	6.71 2.60	7.18 2.28	7.35 2.33	7.22 2.07	6.65 2.29	7.17 2.90	15
16	5.50 1.50	5.82 1.94	7.13 2.26	8.13 2.68	NR NR	6.72 2.33	6.69 2.30	7.35 2.27	7.21 2.20	7.03 1.98	6.39 2.30	7.13 2.84	16
17	5.38 1.65	6.09 1.84	7.15 1.86	8.06 2.78	NR NR	6.72 2.48	6.83 2.43	7.11 2.18	7.39 2.50	6.77 1.80	6.71 2.87	7.21 2.48	17
18	5.77 1.92	6.45 1.67	7.37 1.92	8.25 3.48	NR NR	6.47 2.50	7.09 2.28	7.45 2.59	6.85 2.10	6.61 2.08	6.88 3.10	7.07 2.35	18
19	5.82 2.02	6.74 1.62	7.82 2.17	8.94 5.49	NR NR	6.43 2.50	6.64 2.00	7.09 2.20	6.58 2.28	6.33 2.16	6.98 2.90	7.21 2.29	19
20	6.14 2.14	6.77 1.42	7.48 1.86	8.89 4.22	7.73 4.98	6.73 2.73	6.48 1.95	6.73 2.27	6.29 2.38	6.58 2.48	7.01 2.65	7.15 2.24	20
21	6.26 1.83	6.96 3.26	7.25 3.70	8.34 4.40	7.36 4.70	6.91 2.67	6.51 2.18	6.63 2.49	6.13 2.10	6.89 3.02	7.23 2.23	7.15 2.00	21
22	6.45 1.64	6.84 1.45	6.74 1.60	7.96 4.85	7.23 4.60	6.82 2.63	6.55 2.60	6.27 2.50	6.31 2.30	7.15 3.25	7.71 2.33	6.09 2.10	22
23	6.70 1.65	6.74 1.34	6.36 1.40	7.71 5.02	7.39 4.60	6.29 2.28	6.46 2.80	6.38 2.80	6.69 2.94	7.51 2.90	7.73 2.60	7.04 2.29	23
24	6.85 3.15	6.64 1.54	6.65 1.47	7.90 5.05	7.83 4.90	5.97 2.28	5.51 2.01	6.37 2.73	6.87 2.94	7.63 2.60	5.90 2.30	7.01 2.39	24
25	6.97 1.70	5.66 1.68	6.69 2.24	8.35 5.74	7.16 4.51	5.97 2.38	5.46 1.90	6.38 2.85	7.19 2.78	7.91 2.28	7.49 1.87	6.75 2.40	25
26	6.81 1.77	5.26 1.10	6.79 2.69	8.74 6.26	6.85 4.10	5.81 2.20	5.11 2.00	5.41 3.10	5.22 2.19	5.89 2.21	7.37 2.00	7.07 2.77	26
27	6.48 1.72	5.40 1.28	6.60 2.52	8.02 5.89	7.14 4.39	5.72 2.10	5.80 2.20	6.81 2.98	7.45 2.00	8.06 2.25	7.17 1.90	7.31 2.90	27
28	6.58 1.92	5.50 1.44	6.98 2.65	8.44 5.78	7.85 4.60	6.02 2.33	6.18 2.68	7.03 2.68	7.59 1.70	7.97 2.17	6.91 2.16	7.09 3.38	28
29	6.14 2.04	5.70 1.64	6.75 2.20	7.57 4.90		6.41 2.50	6.65 2.90	7.36 2.40	7.59 1.58	7.89 2.18	6.67 2.27	7.13 2.47	29
30	5.89 2.01	6.16 1.96	6.73 1.90	7.59 4.60		6.51 2.50	6.97 2.70	7.65 2.35	7.71 1.70	7.61 2.10	6.77 2.50	6.85 2.40	30
31	5.80 1.97		6.69 1.85	7.37 4.30		6.79 3.00		7.96 2.42		7.15 1.90	6.83 2.68		31
MAXIMUM	6.97	6.96	7.82	8.94	NR	7.46	7.97	7.96	8.85	8.06	7.73	7.31	MAXIMUM
MINIMUM	1.50	1.10	0.98	1.52	NR	2.10	1.90	1.80	1.58	1.60	1.87	1.97	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 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

THREEMILE SLOUGH AT SACRAMENTO RIVER

in feet

STATION NO	WATER YEAR
891160	1969

DATE	OCT	NOV	DEC	JAN.	FEB.	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	3.76 -0.80	2.96 -0.70	3.62 -0.86	3.92 -0.91	4.70 1.44	4.63 1.15	3.80 0.19	4.41 -0.36	5.90 0.36	4.85 -0.93	3.64 -0.89	4.00 -0.14	1
2	2.94 -0.66	3.25 -0.62	3.10 -1.55	3.85 -1.10	4.25 0.64	4.55 1.13	3.95 0.19	4.47 -0.53	5.72 0.03	4.43 -0.99	3.61 -0.69	3.99 -0.13	2
3	3.69 -0.44	3.70 -0.41	2.96 -1.79	3.76 -1.14	3.89 0.58	4.42 1.12	4.36 0.06	4.71 -0.52	5.25 -0.24	3.95 -1.16	3.79 -0.38	4.22 -0.12	3
4	3.47 -0.41	3.63 -0.76	3.31 -1.46	3.64 -1.24	4.15 0.87	4.10 0.95	4.24 -0.22	4.58 -0.85	4.79 -0.44	3.56 -1.01	3.89 -0.15	4.18 -0.07	4
5	3.18 -0.37	3.48 -0.93	3.47 -1.43	3.53 0.91	4.13 0.92	3.99 1.21	5.04 0.20	4.63 -0.84	4.27 -0.44	3.82 -0.66	3.89 -0.46	4.04 -0.12	5
6	3.14 -0.63	3.52 -1.09	3.33 -1.51	3.38 -1.21	4.72 2.20	4.07 0.98	4.78 -0.13	4.77 -0.40	3.87 -0.42	3.94 -0.29	4.02 -0.57	3.79 -0.35	6
7	3.23 -0.76	3.56 0.87	3.35 1.09	3.48 -1.17	4.06 1.10	4.03 0.74	4.33 -0.46	4.80 -0.35	3.99 -0.17	4.22 0.12	4.01 -0.55	2.78 -0.83	7
8	3.32 -0.86	3.43 -0.99	3.44 -1.12	2.99 -0.80	4.04 0.96	4.15 0.57	4.21 -0.36	3.65 -0.99	3.99 0.10	4.40 0.07	2.67 -0.70	3.78 -0.62	8
9	3.34 0.31	3.39 -1.17	3.34 -1.22	2.99 -0.87	4.44 1.11	4.17 0.33	4.04 -0.41	3.28 -0.99	4.17 0.17	4.26 -0.28	4.11 -0.72	4.08 -0.56	9
10	3.57 -0.85	3.18 -1.03	3.91 -0.99	3.15 -0.64	4.41 0.78	4.09 0.24	3.73 -0.39	3.00 -0.50	2.69 -0.09	2.76 -0.62	4.23 -0.69	3.96 -0.46	10
11	3.71 -0.68	3.12 -1.15	2.68 -0.40	3.46 -0.51	4.82 1.05	3.92 -0.09	3.67 -0.28	3.82 0.00	4.43 -0.08	4.31 -0.68	4.34 -0.57	3.94 -0.17	11
12	3.65 -0.46	2.57 -0.79	2.50 -1.24	4.20 0.11	5.21 1.07	3.80 -0.47	3.78 -0.18	4.03 0.20	4.42 -0.33	4.27 -0.81	4.19 -0.86	3.89 -0.01	12
13	3.26 -0.57	2.35 -1.17	2.82 -1.20	5.18 0.41	5.07 0.94	3.84 -0.52	3.52 -0.25	4.27 -0.06	4.38 -0.48	4.33 -0.84	4.08 -0.65	3.96 0.31	13
14	3.16 -0.71	2.71 -1.18	3.64 -0.14	5.09 0.18	5.45 1.41	3.79 -0.70	3.72 0.02	4.26 -0.37	4.50 -0.53	4.66 -0.59	4.03 -0.53	4.11 0.16	14
15	2.57 -0.98	3.04 -0.43	4.65 0.19	5.00 -0.18	6.08 1.92	3.75 -0.73	3.77 -0.16	4.24 -0.53	4.63 -0.51	4.33 -0.74	3.72 -0.52	4.25 0.66	15
16	2.67 -1.24	3.06 -0.71	4.19 -0.53	5.15 -0.19	5.54 1.74	3.79 -0.50	3.75 -0.52	4.39 -0.65	4.33 -0.53	4.14 -0.80	3.47 -0.48	4.22 0.07	16
17	2.53 -1.12	3.29 -0.85	4.27 -0.93	5.03 -0.13	5.52 2.02	3.79 -0.33	3.89 -0.43	4.19 -0.66	4.49 -0.32	3.86 -0.93	3.79 0.08	4.28 -0.31	17
18	2.92 -0.83	3.64 -1.02	4.43 -0.85	5.19 0.55	5.25 2.18	3.53 -0.25	4.15 -0.54	4.49 -0.26	3.96 -0.65	3.71 -0.70	3.94 0.31	4.18 -0.46	18
19	2.95 -0.71	3.90 -1.09	4.91 -0.59	5.95 2.60	5.10 2.59	3.49 -0.31	3.73 -0.79	4.18 -0.60	3.70 -0.54	3.39 -0.65	4.06 0.15	4.32 -0.54	19
20	3.26 -0.61	3.93 -1.30	4.60 -0.92	5.81 1.27	4.81 2.00	3.81 -0.09	3.60 -0.87	3.84 -0.56	3.40 -0.45	3.65 -0.34	4.09 -0.17	4.25 -0.57	20
21	3.38 -0.94	4.12 0.54	4.33 0.97	5.49 1.44	4.48 1.79	3.99 -0.14	3.64 -0.62	3.73 -0.36	3.21 -0.63	3.95 0.23	4.34 -0.58	4.24 -0.71	21
22	3.56 -1.11	3.97 -1.29	3.83 -1.17	5.08 2.04	4.37 1.65	3.95 -0.20	3.65 -0.13	3.41 -0.30	3.38 -0.43	4.24 0.44	4.79 -0.49	3.17 -0.67	22
23	3.81 -1.09	3.87 -1.41	3.49 -1.32	4.81 2.16	4.55 1.72	3.44 -0.45	3.59 0.03	3.44 -0.06	3.78 0.14	4.56 0.17	4.79 -0.25	4.16 -0.50	23
24	3.97 0.41	3.78 -1.24	3.75 -1.17	4.96 2.17	4.99 2.06	3.15 -0.53	2.62 -0.80	3.44 -0.13	3.96 0.13	4.70 -0.20	2.97 -0.54	4.09 -0.43	24
25	4.10 -1.19	2.82 -1.08	3.82 -0.50	5.42 2.84	4.32 1.63	3.14 -0.42	2.15 -0.90	3.49 0.02	4.30 -0.02	4.98 -0.55	4.55 -0.93	3.83 -0.37	25
26	3.94 -1.04	2.39 -1.62	3.87 -0.08	5.82 3.34	4.00 1.17	2.98 -0.58	2.57 -0.79	3.90 0.36	2.30 -0.63	2.94 -0.63	4.44 -0.80	4.13 0.01	26
27	3.61 -1.05	2.54 -1.48	3.71 -0.21	5.05 2.94	4.33 1.46	2.89 -0.63	2.90 -0.56	2.58 0.19	4.56 -0.79	5.12 -0.61	4.21 -0.84	4.38 0.12	27
28	3.73 -0.86	2.62 -1.31	4.09 -0.11	5.44 3.03	4.97 1.71	3.16 -0.48	3.24 -0.13	4.08 -0.15	4.69 -1.04	5.03 -0.65	3.96 -0.66	4.16 0.60	28
29	3.30 -0.75	2.82 -1.09	3.87 -0.53	4.78 2.15		3.53 -0.27	3.70 0.11	4.40 -0.38	4.68 -1.20	4.94 -0.64	3.76 -0.55	4.21 -0.34	29
30	3.01 -0.75	3.29 -0.79	3.84 -0.81	4.82 1.83		3.63 -0.20	4.03 -0.20	4.70 -0.50	4.79 -1.06	4.69 -0.70	3.83 -0.25	3.94 -0.35	30
31	2.94 -0.76		3.81 -0.87	4.63 1.50		3.85 0.15		5.02 -0.42		4.22 -0.84	3.90 -0.09		31
MAXIMUM	4.10	4.12	4.91	5.95	6.08	4.63	5.04	5.02	5.90	5.12	4.79	4.38	MAXIMUM
MINIMUM	-1.24	-1.62	-1.79	-1.26	0.58	-0.73	-0.90	-0.99	-1.20	-1.16	-0.93	-0.83	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 06 18	121 41 57	NE 13 3N 2E		6.7	12-26-1955		APR 1929-DATE	1929	1940	0.00	USED
								1940	1959	0.00	USCGS
								1959		-10.00	USCGS
								1959		-6.78	USED
									1964	-10.24	USCGS
								1964		0.00	USCGS

Station located on Sherman Island, 0.1 mile east of State Highway 160 bridge, 3.6 miles south of Rio Vista. Station located in tidal zone.

TABLE 8-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER AT COLLINSVILLE

in feet

STATION NO	WATER YEAR
B91110	1969

DATE	OCT.	NOV	DEC	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	5.97 1.66	5.25 1.85	5.83 1.64	6.16 1.54	6.88 3.31	6.94 3.17	6.01 2.55	6.53 2.01	7.86 2.42	7.07 1.56	5.91 1.59	6.21 2.29	
2	5.18 1.83	5.56 1.93	5.41 1.17	6.13 1.43	6.53 2.83	6.76 3.23	6.16 2.61	6.67 1.83	7.78 2.23	6.70 1.38	5.84 1.83	6.21 2.25	2
3	5.92 1.98	5.92 2.05	5.24 1.15	6.03 1.32	6.21 2.65	6.71 3.05	6.55 2.43	6.85 1.74	7.43 2.02	6.22 1.36	6.00 2.11	6.40 2.24	3
4	5.67 2.00	5.89 1.76	5.54 1.16	5.92 1.24	6.44 3.02	6.39 2.97	6.50 2.16	6.75 1.57	6.93 1.89	5.80 1.50	6.11 2.28	6.34 2.30	4
5	5.40 2.13	5.74 1.56	5.76 1.16	5.80 1.29	6.47 3.92	6.21 3.18	7.26 2.58	6.90 1.57	6.39 1.79	6.06 1.76	6.13 2.00	6.23 2.21	5
6	5.41 1.88	5.79 1.41	5.63 1.16	5.66 1.33	6.92 4.40	6.26 3.03	7.02 2.20	7.02 1.89	6.04 1.89	6.19 2.17	6.21 1.84	5.99 2.00	6
7	5.52 1.76	5.81 1.47	5.82 1.24	5.73 3.38	6.27 3.24	6.20 2.87	6.55 1.88	6.95 1.90	6.17 2.16	6.42 2.54	6.25 1.81	6.01 1.62	7
8	5.60 1.66	5.71 3.64	5.73 3.78	5.28 1.69	6.24 3.18	6.37 2.76	6.43 1.98	5.86 1.35	6.19 2.52	6.57 2.44	6.34 1.70	5.26 1.80	8
9	5.60 1.64	5.65 1.35	5.61 1.28	5.27 1.65	6.66 3.27	6.37 2.69	6.27 1.90	5.46 1.40	6.34 2.59	6.45 2.08	5.01 1.72	6.25 2.03	9
10	5.77 3.34	5.47 1.43	6.03 1.53	5.44 1.88	6.63 2.92	6.32 2.44	5.93 1.90	5.92 1.84	6.59 2.31	6.52 1.77	6.45 1.75	6.18 2.01	10
11	5.93 1.82	5.39 1.36	4.96 3.31	5.76 2.01	7.05 3.15	6.15 2.08	5.85 1.97	5.22 2.23	5.08 2.25	5.06 1.68	6.53 1.82	6.13 2.23	11
12	5.89 2.05	4.82 1.67	4.77 1.26	6.49 2.63	7.34 3.11	6.04 1.77	5.95 2.08	6.10 2.47	6.56 1.98	6.56 1.60	6.40 1.71	6.04 2.41	12
13	5.53 1.89	4.70 1.28	5.11 1.31	7.45 2.82	7.33 2.97	6.07 1.73	5.69 2.09	6.35 2.29	6.55 1.85	6.61 1.61	6.33 1.81	6.16 2.72	13
14	5.38 1.72	5.11 1.34	5.91 2.45	7.28 2.55	7.72 3.57	6.02 1.59	5.85 2.36	6.39 1.98	6.67 1.85	6.72 1.80	6.24 1.91	6.30 2.57	14
15	4.83 1.50	5.35 2.10	6.88 2.71	7.21 2.20	8.32 3.88	5.96 1.58	5.93 2.15	6.41 1.83	6.63 1.82	6.57 1.68	5.95 1.91	6.43 3.09	15
16	4.92 1.25	5.37 1.82	6.39 1.94	7.37 2.17	7.84 3.66	6.02 1.81	5.95 1.88	6.54 1.81	6.55 1.85	6.39 1.63	5.69 2.00	6.39 2.38	16
17	5.15 1.43	5.60 1.70	6.56 1.52	7.25 2.15	7.80 3.92	6.02 2.00	6.12 1.87	6.41 1.72	6.62 2.00	6.14 1.56	5.97 2.48	6.45 2.11	17
18	4.97 1.69	5.93 1.53	6.69 1.57	7.46 2.87	7.53 4.07	5.75 2.09	6.29 1.82	6.62 1.96	6.17 1.64	5.96 1.71	6.10 2.72	6.36 1.93	18
19	5.21 1.80	6.19 1.44	7.16 1.82	8.17 3.58	7.35 3.93	5.74 2.08	5.89 1.53	6.33 1.78	5.89 1.78	5.59 1.83	6.27 2.56	6.49 1.77	19
20	5.50 1.92	6.23 1.21	6.89 1.52	8.05 5.09	7.09 4.16	6.04 2.25	5.78 1.51	6.03 1.77	5.57 1.85	5.86 2.11	6.33 2.26	6.47 1.79	20
21	5.66 1.60	6.39 1.21	6.62 1.34	7.69 3.70	6.75 3.80	6.25 2.22	5.87 1.75	5.93 1.93	5.35 1.77	6.17 2.61	6.52 1.89	6.47 1.69	21
22	5.85 1.42	6.26 3.19	6.12 3.15	7.29 3.98	6.64 3.76	6.16 2.18	5.76 2.13	5.65 1.96	5.55 1.97	6.42 2.80	6.95 1.87	6.40 1.76	22
23	6.09 1.43	6.14 1.17	5.76 1.21	7.02 4.21	6.80 3.82	5.66 1.92	5.86 2.33	5.46 2.08	5.90 2.45	6.73 2.46	6.95 2.03	5.64 1.91	23
24	6.23 2.97	6.02 1.29	6.06 1.34	7.15 4.15	7.25 4.09	5.45 1.84	4.92 1.55	5.57 2.13	6.11 2.48	6.86 2.08	6.74 1.76	6.30 2.01	24
25	6.35 1.44	5.09 1.35	6.09 2.00	7.63 4.80	6.61 3.66	5.43 1.95	4.73 1.47	5.67 2.32	6.46 2.18	7.12 1.78	5.04 1.52	6.08 2.11	25
26	6.19 1.49	4.71 1.16	6.14 2.41	7.98 5.21	6.32 3.23	5.27 1.81	4.53 1.61	6.08 2.68	6.72 1.72	7.28 1.74	6.65 1.60	6.37 2.48	26
27	5.86 1.46	4.76 1.16	5.96 2.30	7.18 4.77	6.64 3.54	5.17 1.75	5.08 1.86	6.23 2.57	4.71 1.62	5.29 1.77	6.43 1.63	6.56 2.46	27
28	5.89 1.57	4.93 1.22	6.34 2.34	7.49 4.77	7.26 3.75	5.41 1.91	5.44 2.21	4.85 2.19	6.89 1.39	7.22 1.70	6.18 1.77	6.42 2.10	28
29	5.53 1.79	5.13 1.46	6.12 1.91	6.93 3.98		5.71 2.04	5.87 2.45	6.54 1.96	6.93 1.36	7.08 1.74	5.97 1.96	6.42 3.48	29
30	5.21 1.75	5.54 1.74	6.11 1.64	7.02 3.69		5.83 2.14	6.22 2.22	6.87 1.85	7.04 1.38	6.85 1.71	6.06 2.25	6.17 2.08	30
31	5.21 1.74		6.07 1.56	6.86 3.39		5.98 2.53		7.21 1.94		6.45 1.61	6.14 2.35		31
MAXIMUM	6.35	6.39	7.16	8.17	8.32	6.94	7.26	7.21	7.86	7.28	6.95	6.56	MAXIMUM
MINIMUM	1.25	1.16	1.15	1.24	2.65	1.58	1.47	1.35	1.36	1.36	1.52	1.62	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

SAN JOAQUIN RIVER AT MOSSDALE BRIDGE

in feet

STATION NO	WATER YEAR
295820	1969

DATE	OCT.	NOV	DEC	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	3.31 0.94	3.07 2.20	3.29 1.19	4.70 3.63	17.73 A 17.26 A	20.30 A 20.10 A	14.70 A 14.64 A	11.54 11.35	17.16 A 17.00 A	9.23 8.41	3.61 1.86	4.25 2.35	1
2	3.17 1.00	3.27 2.18	2.88 1.29	4.60 3.54	17.27 A 16.90 A	20.24 A. 20.01 A	14.66 A 14.54 A	11.53 11.34	17.22 A 17.07 A	8.42 7.76	3.38 1.93	3.36 2.39	2
3	3.07 1.31	3.79 2.46	2.69 0.98	4.51 3.43	16.90 A 16.31 A	20.02 A 19.66 A	14.53 A 13. 6 A	11.59 11.32	17.22 A 17.12 A	7.99 7.32	3.60 1.98	3.01 1.80	3
4	3.09 1.62	3.72 2.75	3.04 0.91	4.15 3.36	16.33 A 15.68 A	19.65 A 19.24 A	14.29 A 14.11 A	11.33 10.94	17.23 A 17.15 A	7.46 6.63	3.84 2.00	2.99 1.74	4
5	3.11 1.88	3.62 2.69	3.25 1.08	3.86 2.81	15.70 A 15.55 A	19.24 A 18.75 A	14.10 A 13.80 A	11.11 10.88	17.24 A 17.15 A	6.97 6.50	3.86 1.85	3.00 1.65	5
6	3.08 1.90	3.62 2.58	3.19 1.14	3.62 2.46	15.63 A 15.49 A	18.75 A 18.09 A	13.87 A 11.26 A	11.33 11.01	17.21 A 17.16 A	7.06 6.78	3.86 1.68	3.00 2.04	6
7	3.18 1.94	3.69 2.49	3.49 1.15	3.58 2.18	15.51 A 15.19 A	18.08 A 17.38 A	14.32 A 13.05 A	11.57 11.26	17.21 A 17.14 A	7.38 6.75	3.96 1.70	3.05 2.30	7
8	3.20 1.85	3.60 2.47	3.54 1.56	3.40 2.39	15.44 A 15.32 A	17.37 A 16.84 A	14.72 A 14.33 A	11.50 11.37	17.29 A 17.19 A	7.28 6.56	3.97 1.64	3.22 2.50	8
9	3.20 1.75	3.55 2.35	3.40 1.57	3.30 2.29	15.63 A 15.29 A	16.84 A 16.50 A	15.27 A 14.73 A	11.62 11.40	17.39 A 17.26 A	7.12 6.19	4.01 1.70	3.22 2.33	9
10	3.48 1.71	3.36 2.28	3.99 1.51	3.40 2.33	16.24 A 15.60 A	16.50 A 16.28 A	15.67 A 15.28 A	11.72 11.57	17.56 A 17.38 A	6.68 5.66	4.07 1.71	3.24 2.28	10
11	3.63 1.61	3.35 2.16	2.87 1.78	3.36 2.32	16.72 A 16.23 A	16.30 A 16.15 A	15.65 A 15.34 A	11.70 11.59	17.73 A 17.55 A	6.31 5.58	4.16 1.66	2.91 2.18	11
12	3.71 1.79	2.87 2.13	2.58 1.24	4.21 2.77	16.93 A 16.68 A	16.16 A 11.96 A	15.32 A 14.94 A	12.02 A 11.59 A	17.75 A 17.65 A	6.51 5.70	4.02 1.70	2.95 1.91	12
13	3.43 1.86	2.78 1.75	2.60 1.17	4.93 2.86	17.09 A 16.82 A	16.15 A 9.47 A	14.92 A 14.60 A	12.71 A 12.03 A	17.65 A 17.26 A	6.34 5.35	3.83 1.63	2.71 1.80	13
14	3.53 1.98	NR NR	3.30 1.61	5.25 3.27	17.25 A 17.02 A	16.03 A 9.29 A	14.60 A 14.34 A	13.24 A 12.70 A	17.28 A 16.86 A	6.21 5.16	3.77 1.55	2.44 1.45	14
15	2.89 2.34	NR NR	4.15 1.79	6.11 3.58	17.28 A 17.14 A	15.81 A 12.24 A	14.34 A 13.98 A	13.78 A 13.24 A	16.86 A 16.43 A	5.94 4.78	3.49 1.54	2.21 1.19	15
16	3.14 2.37	NR NR	3.92 2.00	7.00 5.61	17.25 A 17.12 A	15.54 A 15.40 A	13.97 A 13.58 A	14.44 A 13.78 A	16.43 A 15.87 A	5.51 4.70	3.30 1.43	2.16 1.14	16
17	3.08 2.25	NR NR	4.01 1.85	6.89 6.09	17.33 A 17. 15 A	15.43 A 15.35 A	13.57 A 13.09 A	15.05 A 14.44 A	15.88 A 15.04 A	6.07 5.38	3.67 1.68	2.34 1.08	17
18	3.11 2.21	NR NR	4.11 1.75	6.76 6.05	17.33 A 17.24 A	15.38 A 15.16 A	13.08 A 12.79 A	15.59 A 15.06 A	15.05 A 14.77 A	5.96 4.95	3.86 1.94	2.42 1.55	18
19	3.04 2.06	NR NR	4.69 2.14	7.37 6.20	17.33 A 17.21 A	15.17 A 13.79 A	12.80 A 12.62 A	15.94 A 15.60 A	14.89 A 14.79 A	5.24 3.68	2.90 1.92	2.19 1.39	19
20	3.19 1.95	NR NR	4.48 2.45	8.28 6.57	17.70 A 17.33 A	14.92 A 14.76 A	12.66 A 12.49 A	16.08 A 15.94 A	14.86 A 14.56 A	4.42 3.14	3.99 1.86	2.37 1.47	20
21	3.14 1.75	NR NR	4.17 2.25	10.42 8.28	17.93 A 17.70 A	14.80 A 11.81 A	12.66 A 12.49 A	16.18 A 16.07 A	14.57 A 14.03 A	4.41 3.33	4.04 1.73	2.56 1.51	21
22	3.20 1.65	NR NR	3.77 2.14	13.92 A 10.45 A	18.02 A 17.88 A	14.75 A 14.44 A	12.66 A 12.47 A	16.25 A 16.13 A	14.04 A 13.63 A	4.69 3.38	4.28 1.81	2.86 1.62	22
23	3.48 1.66	3.37 0.96	3.64 2.13	15.57 A 14.20 A	17.89 A 17.51 A	14.88 A 14.73 A	12.51 A 12.15 A	16.32 A 16.20 A	13.67 A 13.24 A	6.90 3.35	4.73 2.01	2.83 1.89	23
24	3.68 1.85	3.46 0.93	3.69 2.05	14.23 A 13.28 A	17.52 A 17.40 A	15.10 A 14.87 A	12.22 A 11.87 A	16.48 A 16.31 A	13.27 A 12.96 A	5.10 2.88	4.73 2.01	2.75 1.83	24
25	3.83 1.91	2.68 0.96	3.81 2.29	15.22 A 13.63 A	17.93 A 17.40 A	15.26 A 15.08 A	11.88 A 11.64 A	16.59 A 16.45 A	13.05 A 12.90 A	4.98 2.57	4.48 2.12	2.92 1.78	25
26	3.86 2.09	2.05 0.62	3.90 2.46	16.40 A 15.01 A	19.11 A 17.95 A	15.31 A 15.19 A	11.71 A 11.63 A	16.64 A 16.55 A	13.07 A 12.90 A	5.06 2.47	4.30 2.09	3.05 1.95	26
27	3.68 2.19	2.15 0.54	3.64 2.20	20.31 A 14.32 A	19.80 A 19.11 A	15.26 A 15.14 A	11.75 A 11.63 A	16.67 A 16.59 A	13.07 A 12.64 A	5.09 2.64	4.00 1.97	2.40 1.66	27
28	3.16 2.25	2.14 0.52	4.42 2.64	19.53 A 13.26 A	20.13 A 19.71 A	15.14 A 14.95 A	11.78 A 11.68 A	16.71 A 16.62 A	12.63 A 11.75 A	5.07 2.70	3.86 2.06	2.53 1.28	28
29	3.86 2.39	2.34 0.49	4.65 3.54	18.99 A 18.19 A		14.95 A 14.79 A	11.78 A 11.58 A	16.79 A 16.69 A	11.72 A 10.46 A	4.93 2.69	3.77 2.09	2.64 1.55	29
30	3.41 2.35	2.96 0.94	4.72 3.65	18.90 A 18.39 A		14.81 A 14.74 A	11.65 A 11.44 A	16.92 A 16.75 A	10.44 A 9.09 A	4.60 2.31	4.00 2.20	2.56 1.55	30
31	3.10 2.28		4.71 3.66	18.37 A 17.72 A		14.76 A 14.66 A		17.03 A 16.90 A		4.15 2.11	4.10 2.35		31
MAXIMUM	3.86	NR	4.72	20.31	20.13	20.30	15.67	17.03	17.75	9.23	4.73	4.25	MAXIMUM
MINIMUM	0.94	NR	0.91	2.18	15.19	9.29	11.26	10.88	9.09	2.11	1.43	1.08	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 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

SAN JOAQUIN RIVER AT BRANDT BRIDGE

STATION NO.	WATER YEAR
B95740	1969

in feet

DATE	OCT.	NOV.	DEC.	J. N.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.43 2.70	5.80 3.10	6.28 3.13	6.85 3.51	13.39 13.03	15.42 14.80	11.23 10.72	9.56 8.33	13.47 12.60	8.77 6.32	6.31 2.82	6.83 3.41	1
2	6.34 2.81	6.02 3.07	5.79 2.80	6.77 3.45	12.84 12.47	15.27 14.95	11.22 10.66	9.55 8.30	13.47 12.53	8.19 5.80	6.27 2.89	6.92 3.39	2
3	6.26 3.07	6.53 3.31	6.61 2.17	6.67 3.34	12.40 12.08	14.93 14.61	11.27 10.51	9.74 8.33	13.29 12.49	7.73 5.41	6.52 3.04	7.25 3.33	3
4	6.13 3.28	6.51 3.62	5.94 2.00	6.51 3.26	11.97 11.56	14.57 14.22	11.07 10.33	9.63 8.00	13.19 12.49	7.23 4.99	6.60 3.27	6.02 3.44	4
5	5.96 3.24	6.40 3.47	6.15 2.27	6.35 2.99	11.81 11.27	14.18 13.81	11.28 10.26	9.48 7.91	13.04 12.47	6.70 4.86	5.05 2.91	6.15 3.43	5
6	5.92 3.22	6.42 3.29	6.07 2.32	6.20 2.88	12.07 11.33	13.87 13.34	11.08 10.11	9.63 8.16	12.93 12.42	6.33 5.10	6.65 2.79	7.06 3.31	6
7	5.99 3.11	6.50 3.17	6.31 2.26	6.21 2.77	11.80 11.28	13.39 12.75	11.04 10.31	9.83 8.33	12.96 12.43	7.43 5.39	6.78 2.79	6.81 3.02	7
8	6.06 3.03	6.42 3.18	6.31 2.64	5.88 3.07	11.83 11.22	12.92 12.28	11.38 10.64	9.25 8.14	12.98 12.50	7.69 5.23	6.77 2.69	6.79 3.28	8
9	6.07 2.91	6.38 3.03	6.17 2.55	5.75 2.92	11.93 11.26	12.61 12.00	11.57 11.01	9.02 8.22	13.07 12.57	7.80 4.93	6.84 2.78	7.07 3.58	9
10	6.34 2.87	6.17 3.02	6.80 2.60	5.88 2.97	12.20 11.40	12.45 11.78	11.86 11.28	9.13 8.38	13.19 12.64	7.57 4.57	6.92 2.86	6.91 3.48	10
11	6.52 3.02	6.13 2.89	5.58 3.15	6.05 2.91	12.75 11.94	12.29 11.61	11.83 11.18	9.36 8.45	13.39 12.82	7.46 4.33	7.02 3.03	6.84 3.69	11
12	6.54 3.10	5.62 3.08	5.29 2.29	6.81 3.65	13.21 A 12.20 A	12.21 11.56	11.65 10.90	9.48 8.60	13.48 12.84	7.50 4.38	6.86 2.87	6.82 3.83	12
13	6.22 3.05	5.54 2.76	5.39 2.22	7.71 4.47	13.18 12.46	12.20 11.79	11.34 10.63	9.87 9.03	13.39 12.65	7.53 4.26	6.69 2.84	6.89 4.01	13
14	6.25 2.94	5.41 2.46	6.16 3.13	7.99 5.16	13.28 12.55	12.03 11.50	11.18 10.61	10.25 9.44	13.19 12.34	7.58 4.31	6.64 2.98	7.04 3.99	14
15	5.31 2.99	5.77 2.80	7.06 3.26	8.08 4.59	13.72 12.60	11.76 11.33	11.02 10.34	10.55 9.75	12.85 12.03	7.41 4.06	6.35 2.94	7.20 3.99	15
16	5.62 2.80	5.60 2.59	6.79 3.75	8.33 5.19	13.45 12.86	11.68 11.10	10.75 9.96	10.96 10.18	12.54 11.66	7.19 3.83	6.16 2.90	7.14 3.84	16
17	5.59 2.86	5.78 2.64	6.90 3.33	8.11 5.48	13.51 12.82	11.64 11.06	10.51 9.64	11.35 10.62	12.17 11.07	7.02 4.16	6.48 3.36	7.24 3.46	17
18	5.78 3.05	6.09 2.95	6.95 3.01	7.72 5.13	13.57 12.94	11.51 11.03	10.36 9.35	11.84 11.19	11.48 10.63	6.92 4.18	6.63 3.53	7.24 3.39	18
19	5.74 3.05	6.31 2.68	7.51 3.22	8.83 5.30	13.51 13.09	11.37 10.80	10.07 9.14	12.09 11.39	11.33 10.65	6.43 3.61	6.75 3.39	7.33 3.21	19
20	6.07 3.25	6.38 2.59	7.28 3.56	8.91 6.20	13.55 13.05	11.29 10.72	9.92 8.99	12.19 11.53	11.21 10.55	6.62 3.48	6.84 3.13	6.21 3.33	20
21	6.07 3.16	6.60 2.47	6.95 3.24	9.74 7.19	13.73 13.31	11.32 10.65	9.93 9.07	12.21 11.62	10.78 10.11	6.95 3.78	5.30 2.84	7.25 3.35	21
22	6.18 2.94	6.53 2.56	6.49 2.98	10.93 A 8.65 A	13.81 13.36	11.29 10.60	9.98 9.11	12.20 11.66	10.64 9.80	5.53 4.00	5.79 2.99	7.16 3.40	22
23	6.43 2.83	6.36 2.44	6.28 2.81	12.36 A 10.96 A	13.65 A 13.09 A	11.24 10.67	9.84 8.90	12.18 11.76	10.42 9.55	5.72 3.87	7.57 3.37	7.03 3.52	23
24	6.62 2.95	6.44 2.46	6.35 2.65	12.52 A 11.88 A	13.62 12.98	11.28 10.76	9.49 8.55	12.29 11.85	10.36 9.32	7.60 3.60	7.54 3.27	6.90 3.60	24
25	6.78 3.01	5.62 2.58	6.45 3.20	12.48 A 11.67 A	13.61 13.29	11.42 10.87	9.17 8.35	12.39 11.95	10.26 9.33	7.60 3.32	7.24 2.94	6.66 3.53	25
26	6.72 3.06	5.13 2.05	6.62 3.63	12.84 A 11.91 A	14.24 A 13.45 A	11.41 10.88	9.00 8.31	12.43 12.04	10.34 9.26	7.74 3.28	7.06 2.97	7.02 3.74	26
27	6.48 3.07	5.13 1.99	6.35 3.44	15.22 A 12.64 A	14.92 A 14.12 A	11.38 10.83	9.09 8.39	12.56 12.06	10.47 9.23	7.81 3.38	6.80 2.98	7.37 4.12	27
28	6.67 3.12	5.19 2.06	6.74 3.78	15.67 A 14.28 A	15.18 14.69	11.33 10.74	9.20 8.49	12.65 12.06	10.37 8.76	7.72 3.39	7.57 3.11	7.17 4.09	28
29	5.80 3.25	5.38 2.13	6.79 3.72	14.43 A 14.06 A		11.29 10.95	9.39 8.50	12.77 12.09	9.82 7.92	7.59 3.44	6.43 3.21	7.31 3.92	29
30	6.20 3.22	5.93 2.70	6.80 4.47	14.32 A 13.75 A		11.27 10.68	9.44 8.43	12.89 12.18	9.21 6.92	7.31 3.24	6.59 3.29	7.08 3.94	30
31	5.82 3.12		6.77 3.55	13.74 A 13.24 A		11.32 10.68		13.08 12.28		6.85 3.03	6.71 3.49		31
MAXIMUM	6.78	6.60	7.51	15.67	15.18	15.42	11.86	13.08	13.48	8.77	7.57	7.37	MAXIMUM
MINIMUM	2.70	1.99	2.00	2.77	11.22	10.60	8.31	7.91	6.92	3.03	2.69	3.02	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 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 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 8-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

STOCKTON SHIP CHANNEL AT BURNS CUTOFF

in feet

STATION NO.	WATER YEAR
895660	1969

DATE	OCT	NOV	DEC	JAN.	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.67 2.27	5.72 2.26	6.45 2.24	6.69 4.13	7.85 4.54	7.95 5.96	6.80 3.63	7.27 3.03	9.10 4.37	7.76 2.70	6.41 2.29	6.83 2.85	1
2	6.66 2.41	5.94 2.27	5.90 1.59	6.61 2.18	7.30 4.31	7.90 4.67	6.88 3.59	7.32 3.00	8.94 4.05	7.37 2.56	6.40 2.41	6.90 2.84	2
3	6.50 2.64	6.47 2.96	5.73 2.83	6.52 2.09	6.97 3.92	7.76 4.71	7.32 3.59	7.66 3.06	8.42 3.74	6.94 2.25	6.61 2.62	7.20 2.81	3
4	6.27 2.63	6.40 2.61	6.08 1.40	6.38 1.98	7.21 3.68	7.44 4.60	7.17 3.43	7.66 2.61	8.01 3.57	6.51 2.37	6.70 2.82	7.17 2.92	4
5	5.94 2.56	6.27 2.36	6.28 1.67	6.26 1.89	7.09 3.98	7.24 4.34	7.95 3.66	7.59 2.70	7.45 3.45	6.66 2.56	6.76 2.50	6.04 2.86	5
6	5.90 2.62	6.32 2.15	6.16 1.69	6.13 1.92	7.82 4.56	7.30 4.52	7.73 3.39	7.78 3.16	7.03 3.21	6.81 2.80	6.81 2.41	7.01 2.71	6
7	6.02 2.39	6.41 2.01	6.37 1.62	6.19 1.91	7.17 4.16	7.26 4.14	7.38 3.06	7.86 3.15	6.20 3.20	5.46 3.15	6.88 2.43	6.69 2.29	7
8	6.07 2.26	6.31 2.05	6.31 1.97	5.78 2.27	7.19 3.99	7.27 3.92	7.29 3.11	6.68 2.46	7.09 3.43	7.19 3.15	6.88 2.31	6.70 2.53	8
9	6.10 2.15	6.28 1.87	6.18 1.83	5.69 2.15	7.34 4.13	7.29 3.85	7.13 3.08	6.19 2.33	7.12 3.55	7.38 2.86	6.96 2.37	6.94 2.60	9
10	6.41 2.12	6.09 1.91	6.77 1.99	5.84 2.25	7.37 3.88	7.25 3.62	6.90 3.09	6.20 2.80	7.31 3.38	7.21 2.64	7.06 2.43	6.79 2.71	10
11	6.57 2.26	6.03 1.81	5.57 2.58	6.04 2.22	7.97 4.23	7.08 3.25	6.70 3.18	6.70 3.24	7.64 3.51	7.18 2.51	7.16 2.58	6.74 2.97	11
12	6.56 2.39	5.50 2.14	5.33 1.75	6.79 2.93	8.53 4.45	6.89 2.96	6.91 3.31	6.95 3.52	7.68 3.41	7.19 2.41	7.00 2.43	6.72 3.11	12
13	6.18 2.29	5.42 1.90	5.48 1.73	7.79 3.54	8.35 4.28	6.95 2.99	6.60 3.16	7.22 3.31	7.61 3.23	7.25 2.41	6.86 2.44	6.84 3.41	13
14	6.18 2.11	5.45 1.73	6.29 2.68	7.96 3.38	8.58 5.56	6.84 2.83	6.75 3.41	7.21 3.10	7.70 3.19	7.37 2.66	6.82 2.62	6.96 3.34	14
15	5.50 1.95	5.84 2.36	7.23 2.83	7.87 3.11	9.28 4.42	6.74 2.86	6.80 3.36	7.24 2.98	7.62 3.15	7.21 2.54	6.51 2.59	7.13 3.29	15
16	5.10 1.69	5.78 2.23	6.88 2.63	7.96 4.57	8.63 4.86	6.82 3.71	6.76 2.91	7.40 2.97	7.53 3.17	7.01 2.40	6.27 2.57	7.06 3.16	16
17	5.49 1.87	6.00 2.20	7.00 2.29	7.77 3.11	8.62 4.95	6.77 3.09	6.83 3.00	7.25 2.85	7.69 3.31	6.75 2.30	6.63 3.08	7.19 2.73	17
18	5.68 2.16	6.33 2.15	7.06 3.56	7.48 2.99	8.35 5.18	6.59 3.24	7.17 2.96	7.55 3.34	7.13 2.90	6.63 2.55	6.76 3.25	7.16 2.66	18
19	5.68 2.27	6.64 2.96	7.59 2.42	8.56 3.32	8.21 5.34	6.50 3.18	6.73 2.60	7.31 2.99	6.88 3.03	6.25 2.52	6.87 3.03	7.29 2.51	19
20	6.04 2.44	6.67 2.05	7.31 2.70	8.50 4.30	7.95 5.12	6.76 3.30	6.61 2.37	6.95 2.91	6.50 3.09	6.49 2.70	6.95 2.73	6.05 2.57	20
21	6.11 2.37	6.87 1.88	6.99 2.36	8.40 4.65	7.63 4.83	6.98 3.30	6.68 2.66	6.79 3.12	6.33 2.69	6.81 3.17	7.18 2.43	7.16 2.53	21
22	6.26 2.16	6.75 1.95	6.51 2.11	8.10 5.28	7.63 4.72	6.98 3.17	6.73 3.10	6.37 3.08	6.52 2.80	7.13 3.30	5.21 2.56	7.09 2.56	22
23	6.54 2.02	6.58 1.84	6.25 1.90	8.01 5.34	7.81 4.80	6.56 3.04	6.53 3.07	6.21 3.31	5.44 3.24	5.57 3.15	7.68 2.93	6.97 2.71	23
24	6.71 2.08	6.61 1.90	6.35 1.75	8.13 5.24	8.29 4.96	6.31 2.73	6.09 2.37	6.70 3.19	6.99 3.40	7.56 2.94	7.63 2.73	6.86 2.86	24
25	6.86 2.12	5.72 2.07	6.45 2.48	8.67 5.70	7.43 4.69	6.24 2.78	5.79 2.26	6.65 3.30	7.13 3.44	7.63 2.67	7.36 2.34	6.60 2.82	25
26	6.74 2.10	5.24 1.56	6.62 2.86	8.94 6.31	7.20 4.41	6.03 2.62	5.67 2.41	6.64 3.66	7.37 2.80	7.81 2.59	7.13 2.48	6.95 3.02	26
27	6.43 2.03	5.28 1.58	6.35 2.64	8.22 6.09	7.47 4.67	5.95 2.62	5.91 2.59	7.06 3.64	7.61 2.75	7.92 2.68	6.94 2.43	7.27 3.38	27
28	6.60 2.15	5.36 1.68	6.64 2.86	8.82 6.29	8.21 5.89	6.19 2.83	6.16 3.07	7.24 3.43	7.78 2.55	7.78 2.68	6.67 2.60	6.98 3.27	28
29	5.73 2.26	5.56 1.82	6.61 2.51	7.92 5.18		6.57 3.14	6.63 3.31	7.54 3.31	7.73 2.41	7.68 2.73	6.51 2.69	7.13 2.82	29
30	6.12 2.28	6.09 2.21	6.63 2.26	8.01 6.19		6.74 3.28	6.87 3.19	7.83 3.24	7.73 2.45	7.41 2.63	6.64 2.78	6.91 2.75	30
31	5.74 2.21		6.59 2.21	7.77 4.97		7.03 3.67		8.14 3.37		6.96 2.40	6.73 2.95		31
MAXIMUM	6.86	6.87	7.59	8.94	9.28	7.95	7.95	8.14	9.10	7.92	7.68	7.29	MAXIMUM
MINIMUM	1.69	1.56	1.40	1.89	3.68	2.62	2.26	2.33	2.41	2.25	2.29	2.29	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 B-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

SAN JOAQUIN RIVER AT RINDGE PUMP

in feet

STATION NO	WATER YEAR
B95620	1969

DATE	OCT	NOV	DEC	JAN.	FEB.	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	3.53 -0.73	2.58 -0.75	NR NR	3.54 1.10	4.67 1.40	NR NR	3.63 0.58	4.10 -0.04	5.89 1.21	4.57 -0.40	3.24 -0.82	3.66 -0.17	1
2	3.44 -0.60	2.80 -0.71	NR NR	3.48 -0.82	4.16 1.40	NR NR	3.70 0.53	4.15 -0.08	5.75 0.97	4.19 -0.47	3.22 -0.61	3.74 -0.18	2
3	3.34 -0.35	3.31 -0.41	NR NR	3.32 -0.92	3.81 0.82	NR NR	4.13 0.52	4.49 0.03	5.24 0.60	3.75 -0.77	3.44 -0.42	4.03 -0.21	3
4	3.11 -0.37	3.25 0.24	NR NR	3.23 -1.02	4.05 0.60	4.24 1.11	3.99 0.34	4.41 -0.41	4.80 0.48	3.33 -0.68	3.53 -0.26	4.00 -0.11	4
5	2.79 -0.45	3.13 -0.67	NR NR	3.11 -1.10	3.93 0.88	4.06 1.23	4.79 0.64	4.43 -0.34	4.28 0.32	3.48 -0.53	3.60 -0.53	2.89 -0.15	5
6	2.75 -0.40	3.21 -0.86	NR NR	2.99 -1.08	4.65 1.41	4.12 1.35	4.57 0.33	4.58 0.10	3.85 0.06	3.65 -0.29	2.06 -0.61	3.84 -0.31	6
7	2.88 -0.63	3.27 -0.99	NR NR	3.05 -1.08	4.02 1.06	4.04 1.01	4.21 -0.01	4.70 0.08	3.07 0.11	2.32 0.14	3.73 -0.61	2.53 -0.73	7
8	2.91 -0.74	3.16 -0.97	NR NR	2.66 -0.77	4.01 0.85	4.08 0.81	4.14 0.04	3.54 -0.62	3.91 0.31	4.02 0.13	3.73 -0.71	3.53 -0.50	8
9	2.95 -0.84	3.16 -1.14	NR NR	2.55 -0.87	4.39 1.03	4.11 0.75	3.97 -0.01	3.02 -0.71	3.93 0.46	4.21 -0.18	3.80 -0.66	3.77 -0.23	9
10	3.30 -0.89	2.95 -1.08	NR NR	2.69 -0.75	4.41 0.79	4.07 0.51	3.73 0.03	3.05 -0.25	4.13 0.30	4.04 -0.39	3.90 -0.59	3.62 -0.31	10
11	3.43 -0.76	2.92 -1.19	NR NR	2.91 -0.76	4.83 1.16	3.90 0.15	3.54 0.12	3.55 0.19	4.45 0.38	4.02 -0.52	3.99 -0.45	3.57 -0.06	11
12	3.46 -0.61	2.37 -0.87	NR NR	3.65 -0.06	5.33 1.34	3.73 -0.14	3.72 0.25	3.79 0.45	4.49 0.33	4.03 -0.61	3.84 -0.62	3.53 0.10	12
13	3.05 -0.96	2.30 -1.13	NR NR	4.65 0.51	5:16 1.19	3.79 -0.13	3.43 0.11	4.05 0.27	4.43 0.13	4.09 -0.60	3.70 -0.58	3.66 0.38	13
14	3.10 -0.90	2.33 -1.29	NR NR	4.77 0.37	5.43 2.47	3.66 -0.23	3.59 0.36	4.04 0.05	4.51 0.09	4.18 -0.36	3.65 -0.41	3.79 0.32	14
15	2.37 -1.09	2.67 -0.65	NR NR	4.69 0.10	6.08 1.34	3.56 -0.21	3.63 0.26	4.06 -0.08	4.44 0.06	4.07 -0.48	3.35 -0.45	3.95 0.26	15
16	1.96 -1.31	2.65 -0.78	NR NR	4.79 1.46	5.44 1.62	3.61 0.02	3.57 -0.14	4.21 -0.10	4.36 0.07	3.86 -0.62	3.13 -0.45	3.91 -0.01	16
17	2.35 -1.15	2.85 -0.80	NR NR	4.61 0.10	5.43 1.86	3.59 0.53	3.66 -0.20	4.05 -0.22	4.53 0.22	3.60 -0.72	3.47 0.05	4.03 -0.28	17
18	2.55 -0.83	3.18 -0.85	NR NR	4.40 -0.02	5.16 2.09	3.35 0.18	4.00 -0.10	4.39 0.24	3.96 -0.21	3.48 -0.48	3.60 0.20	3.99 -0.36	18
19	2.54 -0.72	3.47 -0.11	NR NR	5.43 0.37	NR NR	3.31 -0.02	3.57 -0.47	4.17 -0.11	3.72 -0.08	3.10 -0.51	3.74 0.00	4.15 -0.52	19
20	2.89 -0.56	3.49 -0.93	NR NR	5.42 1.28	NR NR	3.57 0.26	3.46 -0.63	3.81 -0.18	3.36 -0.02	3.33 -0.34	3.79 -0.28	2.87 -0.45	20
21	2.94 -0.43	3.69 -1.11	NR NR	5.25 1.60	NR NR	3.79 0.23	3.53 -0.42	3.65 0.02	3.17 -0.40	3.65 0.12	4.02 -0.61	4.00 -0.51	21
22	3.10 -0.84	3.61 -1.04	NR NR	4.92 2.17	NR NR	3.78 0.09	3.59 -0.06	3.38 -0.02	3.37 -0.32	3.98 0.24	2.65 -0.46	3.92 -0.45	22
23	3.36 -1.02	3.45 -1.16	NR NR	4.78 2.20	NR NR	3.40 -0.10	3.42 -0.01	3.06 0.21	2.26 0.10	2.42 0.11	4.52 -0.09	3.80 -0.29	23
24	3.56 -0.93	3.47 -1.09	NR NR	4.93 2.07	NR NR	3.15 -0.34	2.96 -0.75	3.54 0.09	3.82 0.32	4.39 -0.09	4.46 -0.29	3.68 -0.16	24
25	3.71 -0.88	2.57 -0.92	NR NR	5.45 2.53	NR NR	3.10 -0.30	2.64 -0.82	3.48 0.21	3.97 0.30	4.46 -0.35	4.19 -0.68	3.42 -0.19	25
26	3.62 -0.90	2.09 -1.45	NR NR	5.73 3.14	NR NR	2.90 -0.45	2.51 -0.67	3.47 0.28	4.21 -0.27	4.63 -0.41	4.01 -0.54	3.77 0.03	26
27	3.30 -0.97	2.15 -1.44	NR NR	5.01 2.85	NR NR	2.82 0.44	2.76 -0.46	3.89 0.54	4.44 -0.32	4.74 -0.34	3.76 -0.57	4.09 0.36	27
28	3.48 -0.85	2.22 -1.32	3.52 -0.15	5.56 3.08	NR NR	3.05 -0.24	3.01 0.02	4.05 0.33	4.61 -0.51	4.61 -0.34	3.50 -0.42	3.80 0.24	28
29	2.99 -0.78	NR NR	3.46 -0.50	4.71 2.03		3.42 0.08	3.46 0.26	4.35 0.21	4.53 -0.63	4.50 -0.29	3.34 -0.33	3.95 -0.19	29
30	2.69 -0.73	NR NR	3.49 -0.74	4.80 3.02		3.54 0.22	3.68 0.08	4.63 0.17	4.55 -0.56	4.24 -0.38	3.46 -0.23	3.74 -0.28	30
31	2.60 -0.78		3.44 -0.79	4.58 1.81		3.82 0.62		4.94 0.29		3.83 -0.55	3.55 -0.06		31
MAXIMUM	3.71	NR	NR	5.73	NR	NR	4.79	4.94	5.89	4.74	4.46	4.15	MAXIMUM
MINIMUM	-1.31	NR	NR	-1.10	NR	NR	-0.82	-0.71	-0.63	-0.77	-0.82	-0.73	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
37 59 51	121 25 06	NW 27 2N 5E		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 8-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

SAN JOAQUIN RIVER AT VENICE ISLAND — in feet

STATION NO	WATER YEAR
B95580	1969

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.42 2.38	5.42 2.38	6.17 2.35	6.43 2.31	7.54 4.42	7.61 4.47	6.46 3.66	6.92 3.05	8.71 4.21	7.42 2.74	6.12 2.42	6.53 2.95	
2	6.34 2.55	5.68 2.48	5.63 1.69	6.36 4.11	7.04 4.37	7.54 5.17	6.53 3.62	6.97 2.98	8.61 3.95	7.04 2.59	6.07 2.33	6.63 2.93	2
3	6.23 2.77	6.19 2.74	5.47 1.55	6.26 2.21	6.71 3.86	7.40 4.53	6.97 3.58	7.34 3.00	8.09 3.60	6.60 2.34	6.30 2.71	6.93 2.89	3
4	6.01 2.75	6.13 3.33	5.81 1.53	6.12 2.11	6.93 3.63	7.08 4.40	6.81 3.38	7.23 2.71	7.66 3.45	6.20 2.44	6.44 2.95	6.89 2.98	4
5	5.69 2.70	6.01 2.46	6.03 1.81	6.01 2.02	6.84 3.95	6.91 4.22	7.61 3.71	7.29 2.72	7.15 3.33	6.35 2.63	6.50 2.58	5.77 2.93	5
6	5.63 2.73	6.06 2.28	5.94 1.86	5.88 2.04	7.48 4.48	6.98 4.34	7.41 3.40	7.42 3.13	6.68 3.11	6.52 2.81	6.63 2.50	6.73 2.78	6
7	5.71 2.52	6.19 2.13	6.14 1.76	5.95 2.05	6.88 4.16	6.86 4.00	7.07 3.07	7.56 3.13	5.97 3.14	5.20 3.22	5.24 2.52	6.45 2.38	7
8	5.80 2.40	6.06 2.18	6.08 2.10	5.60 2.37	6.88 3.90	6.92 3.83	7.02 3.09	6.41 2.43	6.75 3.32	6.90 3.22	6.63 2.41	6.40 2.62	8
9	5.84 2.29	6.05 2.02	5.96 1.93	5.43 2.26	7.25 4.07	6.97 3.79	6.87 3.05	5.90 2.34	6.76 3.50	7.08 2.93	6.70 2.47	6.64 2.88	9
10	6.17 2.25	5.87 2.05	6.55 2.13	5.58 2.38	7.27 3.70	6.93 3.51	6.61 3.08	5.90 2.82	6.97 3.27	6.93 2.72	6.78 2.54	6.49 2.81	10
11	6.36 2.38	5.87 1.94	5.34 2.70	5.88 2.39	7.76 4.16	6.79 3.16	6.43 3.17	6.39 3.28	7.28 3.40	6.90 2.58	6.88 2.68	6.43 3.04	11
12	6.39 2.53	5.26 2.24	5.08 1.84	6.55 3.14	8.20 4.34	6.64 2.88	6.54 3.31	6.63 3.52	7.36 3.31	6.91 2.50	6.72 2.52	6.40 3.21	12
13	5.97 2.38	5.18 1.93	5.34 1.83	7.54 3.59	8.02 4.21	6.68 2.94	6.28 3.17	6.89 3.33	7.29 3.16	6.98 2.53	6.58 2.56	6.51 3.49	13
14	5.89 2.21	5.23 1.85	6.12 2.87	7.62 3.48	8.30 4.44	6.53 2.82	6.42 3.43	6.85 3.11	7.38 3.10	7.08 2.75	6.54 2.71	6.66 3.44	14
15	5.25 2.03	5.57 2.46	6.97 3.09	7.54 3.19	8.92 5.92	6.41 2.83	6.44 3.28	6.92 2.98	7.33 3.06	6.93 2.62	6.26 2.68	6.81 3.39	15
16	4.85 1.78	5.60 2.21	6.61 2.70	7.64 4.54	8.29 4.71	6.44 3.07	6.36 2.92	7.05 2.95	7.26 3.07	6.75 2.52	6.01 2.69	6.78 3.23	16
17	5.28 1.98	5.72 2.33	6.67 2.23	7.46 3.21	8.27 4.89	6.41 3.24	6.50 3.00	6.92 2.85	7.41 3.24	6.49 2.40	6.35 3.17	6.91 2.84	17
18	5.43 2.24	6.05 2.29	6.77 2.56	7.45 3.13	8.03 5.12	6.18 3.50	6.82 2.92	7.28 3.26	6.85 2.82	6.37 2.62	6.48 3.31	6.86 2.75	18
19	5.42 2.41	6.30 3.00	7.31 4.31	8.37 3.54	7.88 5.24	6.12 3.16	6.45 2.60	7.07 2.92	6.81 2.90	5.99 2.60	6.60 3.13	7.02 2.60	19
20	5.75 2.57	6.37 2.22	7.02 2.81	8.36 4.46	7.61 4.99	6.40 3.33	6.34 2.41	6.71 2.84	6.29 2.97	6.21 2.78	6.67 2.80	6.91 2.63	20
21	5.80 2.71	6.58 2.05	6.72 2.52	8.17 4.69	7.32 4.71	6.61 3.28	6.42 2.62	6.57 3.01	6.04 2.60	6.55 3.19	6.91 2.52	5.68 2.59	21
22	5.97 2.31	6.52 2.11	6.24 2.25	7.78 5.21	7.29 4.61	6.67 3.15	6.50 3.06	6.38 2.96	6.23 2.70	6.84 3.38	5.53 2.66	6.80 2.67	22
23	6.25 2.17	6.37 1.98	5.97 2.07	7.63 5.22	7.55 4.68	6.27 2.87	6.38 3.04	5.97 3.19	5.16 3.10	7.27 3.21	7.43 3.02	6.67 2.82	23
24	6.44 2.21	6.37 2.08	6.20 2.07	7.79 5.04	8.01 5.01	6.05 2.67	5.87 2.33	6.41 3.09	6.66 3.34	5.38 3.01	7.36 2.83	6.56 2.95	24
25	6.59 2.25	5.47 2.21	6.25 2.65	8.30 5.51	7.20 4.54	6.03 2.73	5.51 2.23	6.34 3.23	6.83 3.32	7.35 2.77	7.07 2.46	6.28 2.91	25
26	6.48 2.24	5.00 1.66	6.32 2.99	8.62 6.13	6.90 4.18	5.81 2.57	5.39 2.38	6.31 3.54	7.07 2.80	7.52 2.72	6.86 2.57	6.60 3.21	26
27	6.20 2.13	5.03 1.68	6.09 2.76	7.89 5.80	7.22 4.54	5.73 2.58	5.61 2.59	6.73 3.56	7.29 2.74	7.62 2.80	6.62 2.54	6.94 3.49	27
28	6.38 2.26	5.14 1.80	6.43 2.95	8.40 6.03	7.92 4.85	5.97 2.80	5.86 3.09	6.88 3.36	7.47 2.58	7.48 2.79	6.37 2.71	6.68 3.37	28
29	5.89 2.38	5.29 1.95	6.35 2.60	7.57 5.04		6.31 3.15	6.33 3.36	7.16 3.23	7.37 2.43	7.37 2.83	6.20 2.78	6.82 2.92	29
30	5.57 2.41	5.82 2.35	6.35 2.38	7.66 4.79		6.38 3.24	6.53 3.20	7.45 3.19	7.39 2.52	7.12 2.76	6.31 2.91	6.61 2.85	30
31	5.49 2.34		6.31 2.33	7.46 5.54		6.63 3.70		7.76 3.33		6.67 2.57	6.40 3.06		31
MAXIMUM	6.59	6.58	7.31	8.62	8.92	7.61	7.61	7.76	8.71	7.62	7.43	7.02	MAXIMUM
MINIMUM	1.78	1.66	1.53	2.02	3.63	2.57	2.23	2.34	2.43	2.34	2.41	2.38	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 8-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

MIDDLE RIVER AT MOWRY BRIDGE

in feet

STATION NO.	WATER YEAR
895540	1969

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	DATE
1	6.20 2.85	5.19 2.84	6.20 2.96	6.63 3.60	12.70 12.31	14.89 14.51	10.62 10.25	8.91 7.79	12.76 12.15	8.43 6.05	5.96 3.29	6.64 3.31	1
2	6.07 2.93	5.45 2.80	5.75 3.02	6.55 3.57	12.19 11.93	14.73 14.54	10.62 10.16	8.90 7.71	12.83 12.18	7.91 5.59	5.97 3.29	6.73 3.31	2
3	5.95 3.05	5.98 2.90	5.52 2.68	6.43 3.46	11.83 11.60	14.49 14.29	10.64 10.02	9.11 7.71	12.63 12.16	7.44 5.27	5.31 3.30	7.09 3.27	3
4	5.72 2.99	5.95 3.04	5.91 2.60	6.26 3.38	11.41 11.07	14.21 13.98	10.47 9.86	9.02 7.41	12.56 12.11	6.97 4.91	6.26 3.30	7.12 3.37	4
5	5.32 2.96	5.85 2.84	6.14 2.73	6.13 3.16	11.27 10.83	13.80 13.56	10.69 9.76	8.94 7.41	12.43 12.06	6.79 4.84	6.30 3.29	5.82 3.39	5
6	5.23 2.95	5.94 2.74	6.05 2.75	5.97 3.03	11.52 10.86	13.63 A 13.04 A	10.47 9.57	9.08 7.61	12.30 12.02	6.94 5.02	6.37 3.09	6.91 3.40	6
7	5.47 2.85	6.17 2.73	6.29 2.72	6.02 2.91	11.17 10.69	13.08 A 12.48 A	10.44 9.72	9.27 7.71	12.30 12.05	7.23 5.15	6.51 2.96	6.60 3.21	7
8	5.50 2.84	6.07 2.74	6.28 2.93	5.66 3.14	11.16 10.58	12.50 A 11.98 A	10.75 10.14	8.56 7.61	12.36 12.13	7.52 5.00	6.53 2.82	6.61 3.34	8
9	5.54 2.74	6.01 2.68	6.15 2.86	5.50 3.04	11.29 10.63	12.11 A 11.69 A	10.98 10.49	NR NR	12.44 12.23	7.67 4.78	6.58 2.88	6.88 3.60	9
10	5.93 2.73	5.87 2.67	6.77 2.88	5.63 3.07	11.66 10.84	11.92 A 11.47 A	11.23 10.85	NR NR	12.58 12.29	7.37 4.44	6.68 2.88	6.72 3.59	10
11	6.16 2.78	5.91 2.63	5.53 3.29	5.81 3.00	12.19 11.29	11.77 A 11.31 A	11.19 10.97	NR NR	12.79 12.49	7.25 4.25	6.73 3.07	6.65 3.66	11
12	6.31 2.79	5.26 2.70	5.20 2.68	6.60 3.61	12.57 11.79	11.68 A 11.31 A	10.99 10.65	NR NR	12.89 12.52	7.22 4.28	6.57 2.91	6.64 3.87	12
13	5.85 2.76	5.17 2.57	5.35 2.63	7.54 4.26	12.56 11.98	11.68 A 11.27 A	10.65 10.27	NR NR	12.80 12.31	7.27 4.13	6.42 2.89	6.76 4.01	13
14	5.04 2.67	5.06 2.58	6.14 3.29	7.79 4.20	12.77 12.05	11.52 A 11.16 A	10.50 10.07	NR NR	12.55 12.02	7.37 4.21	6.30 2.91	6.90 3.99	14
15	5.83 2.51	5.50 2.86	7.01 3.45	7.80 4.22	13.04 12.20	11.24 10.96	10.32 9.78	NR NR	12.24 11.65	7.20 4.00	6.02 2.95	7.03 3.97	15
16	5.04 2.40	5.44 2.90	6.78 3.74	8.04 4.75	12.73 12.28	11.16 10.77	10.06 9.43	NR NR	11.86 11.27	6.93 3.76	5.82 2.96	7.00 3.79	16
17	4.96 2.50	5.61 2.97	6.90 3.41	7.87 5.03	12.86 12.26	11.13 10.75	9.81 9.05	NR NR	11.46 10.64	6.80 4.15	6.25 3.22	7.11 3.48	17
18	5.09 2.69	5.94 2.91	6.93 3.23	7.41 4.96	12.80 12.41	10.99 10.67	9.70 8.80	NR NR	10.83 10.21	6.69 4.02	6.36 3.45	7.07 3.38	18
19	5.26 2.78	6.17 2.94	7.49 3.41	8.55 5.15	12.73 12.41	10.82 10.44	9.40 8.58	NR NR	10.64 10.17	6.25 3.52	6.48 3.29	5.81 3.31	19
20	5.44 2.96	6.24 2.89	7.25 3.72	8.70 5.80	12.78 12.38	10.76 10.34	9.24 8.44	NR NR	10.59 10.10	5.87 3.50	4.90 3.09	7.23 3.46	20
21	5.55 2.91	6.53 2.85	6.91 3.44	9.15 6.52	12.97 12.64	10.77 10.27	9.30 8.52	NR NR	10.42 9.66	5.54 3.64	6.56 2.90	7.10 3.49	21
22	5.71 2.85	6.48 2.91	6.34 3.21	10.01 A 7.70 A	13.08 12.73	10.73 10.20	9.36 8.55	NR NR	10.04 9.29	6.62 3.69	6.87 3.06	6.99 3.50	22
23	6.26 2.79	6.34 2.83	6.15 3.07	11.39 A 10.01 A	13.00 12.54	10.72 10.31	9.22 8.31	NR NR	9.81 9.05	6.91 3.49	7.37 3.37	6.84 3.58	23
24	6.48 2.79	6.41 2.88	6.27 2.91	11.64 A 10.96 A	12.92 12.42	10.75 10.40	8.84 8.01	NR NR	9.76 8.81	7.33 3.39	7.37 3.35	6.66 3.58	24
25	6.42 2.84	5.58 2.91	6.36 3.36	11.62 A 10.72 A	12.83 12.48	10.88 A 10.45 A	8.51 7.83	NR NR	9.70 8.72	7.39 3.29	6.99 2.86	6.37 3.46	25
26	6.34 2.74	4.89 2.64	6.43 3.57	11.95 A 10.92 A	13.57 12.71	10.82 A 10.49 A	8.36 8.00	NR NR	9.78 8.71	7.52 3.33	6.75 2.95	6.77 3.78	26
27	6.01 2.77	5.01 2.60	6.12 3.28	14.34 A 11.67 A	14.34 13.55	10.81 A 10.46 A	8.44 7.83	11.97 A 11.66 A	9.89 8.71	7.61 3.39	6.44 2.64	7.16 4.10	27
28	5.43 2.74	5.04 2.62	6.50 3.59	14.92 A 13.81 A	14.64 14.21	10.74 A 10.40 A	8.55 7.86	12.02 11.66	9.77 8.21	7.48 3.37	6.25 3.40	6.89 4.09	28
29	6.17 2.81	5.24 2.64	6.56 3.84	13.79 A 13.51 A		10.71 10.31	8.74 7.97	12.15 11.74	9.28 7.43	7.25 3.37	6.14 3.15	7.10 3.94	29
30	5.63 2.83	5.86 2.90	6.59 3.71	13.57 A 13.25 A		10.66 10.25	8.79 7.89	12.26 11.81	8.76 6.53	6.97 3.31	6.42 3.22	6.95 3.91	30
31	5.23 2.79		6.58 3.62	13.24 A 12.73 A		10.72 10.21		12.42 11.92		6.53 3.30	6.53 3.48		31
MAXIMUM	6.48	6.53	7.49	14.92	14.64	14.89	11.23	NR	12.89	8.43	7.37	7.23	MAXIMUM
MINIMUM	2.40	2.57	2.60	2.91	10.58	10.20	7.83	NR	6.53	3.29	2.64	3.21	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 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 Undice 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 8-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

MIDDLE RIVER AT BORDEN HIGHWAY

in feet

STATION NO	RATES YEAR
R95500	1967

DATE	OCT	NOV	DEC	JAN.	FEB.	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	3.06 -0.83	2.03 -0.86	2.91 -0.78	3.21 -0.81	4.81 1.91	4.99 3.48	3.74 1.07	3.99 0.34	5.99 2.06	4.37 -0.06	2.68 -0.61	3.29 -0.21	
2	2.95 -0.69	2.29 -0.86	2.45 -0.13	3.14 -0.83	4.29 1.83	4.90 2.48	3.81 1.05	3.98 0.23	5.87 1.82	4.00 -0.24	2.95 -0.51	3.40 -0.20	2
3	2.83 -0.49	2.78 -0.16	2.24 -1.43	3.03 -0.95	3.98 1.28	4.82 2.55	4.22 1.07	4.31 0.25	5.39 1.49	3.57 -0.53	NR NR	3.80 -0.25	3
4	2.39 -0.51	2.76 -0.58	2.59 -1.61	2.88 -1.04	4.21 1.00	4.50 2.43	4.10 0.88	4.29 -0.18	4.96 1.35	3.15 -0.49	NR NR	2.55 -0.12	4
5	2.25 -0.59	2.66 -0.84	2.83 -1.34	2.76 -1.14	4.08 1.25	4.25 2.13	4.86 1.16	4.34 -0.01	4.44 1.14	3.20 -0.41	NR NR	3.77 -0.15	5
6	2.18 -0.63	2.72 -1.02	2.74 -1.29	2.62 -1.12	4.76 1.72	4.31 2.14	4.62 0.78	4.50 0.33	3.79 0.90	2.18 -0.22	3.13 -0.80	3.58 -0.27	6
7	2.35 -0.81	2.91 -1.17	2.97 -1.38	2.69 -1.16	4.14 1.40	4.23 1.73	4.34 0.54	4.63 0.31	3.96 0.89	3.43 0.25	3.28 -0.69	3.25 -0.66	7
8	2.40 -0.93	2.82 -1.11	2.94 -1.04	2.32 -0.81	4.10 1.08	4.26 1.47	4.27 0.61	3.53 -0.39	4.06 0.99	3.83 0.25	3.29 -0.80	3.22 -0.42	8
9	2.45 -1.04	2.79 -1.29	2.82 -1.17	2.16 -0.96	4.46 1.28	4.27 1.28	4.11 0.61	2.93 -0.52	4.09 1.26	4.02 -0.05	3.35 -0.71	3.48 -0.13	9
10	2.80 -1.07	2.64 -1.26	3.50 -1.01	2.30 -0.84	4.52 1.34	4.21 1.06	3.88 0.70	2.93 -0.07	4.29 1.18	3.79 -0.29	3.44 -0.63	3.33 -0.21	10
11	3.02 -0.96	2.65 -1.35	2.19 -0.45	2.48 -0.87	4.94 1.78	4.07 0.71	3.72 0.76	3.39 0.25	4.60 1.32	3.72 -0.47	3.48 -0.47	3.25 0.03	11
12	3.15 -0.81	2.06 -1.01	1.90 -1.30	3.25 -0.17	5.50 1.89	3.93 0.50	3.90 0.81	3.63 0.61	4.66 1.23	3.71 -0.55	3.37 -0.66	3.23 0.19	12
13	2.72 -0.93	1.93 -1.21	2.10 -1.31	4.20 0.40	5.33 2.89	3.99 0.57	3.56 0.55	3.89 0.49	4.61 1.11	3.79 -0.54	3.21 -0.62	3.34 0.47	13
14	2.71 -1.11	1.88 -1.38	2.83 -0.34	4.39 0.28	5.61 1.83	3.84 0.43	3.67 0.76	3.97 0.43	4.69 1.01	3.90 -0.28	3.17 -0.47	3.48 0.40	14
15	1.60 -1.26	2.25 -0.77	3.68 -0.12	4.29 1.33	6.22 1.91	3.74 1.24	3.70 0.80	4.08 0.34	4.60 0.94	3.75 -0.42	2.88 -0.49	3.64 0.34	15
16	1.95 -1.51	2.20 -0.86	3.43 -0.37	4.45 0.04	5.62 2.44	3.79 0.40	3.61 0.36	4.29 0.39	4.53 0.84	3.56 -0.55	2.68 -0.52	3.61 0.18	16
17	1.89 -1.31	2.38 -0.93	3.54 0.44	4.26 0.08	5.63 2.43	3.78 0.62	3.68 0.38	4.17 0.38	4.65 0.91	3.33 -0.61	3.00 -0.09	3.76 -0.20	17
18	2.04 -0.97	2.70 -0.42	3.57 -0.69	3.94 0.00	5.34 2.65	3.53 0.82	3.99 0.27	4.52 0.77	4.09 0.46	3.25 -0.39	3.14 0.13	3.73 -0.31	18
19	2.11 -0.78	2.96 -0.97	4.12 -0.55	5.04 0.31	5.21 2.73	3.45 0.72	3.59 -0.13	4.31 0.59	3.84 0.46	2.73 -0.42	3.23 -0.15	3.90 -0.45	19
20	2.35 -0.47	3.02 -1.04	3.88 -0.22	5.05 1.24	4.95 2.46	3.71 0.77	3.47 -0.42	3.95 0.51	3.48 0.44	2.96 -0.34	3.31 -0.46	2.66 -0.37	20
21	2.42 -0.69	3.29 -1.09	3.54 -0.58	5.00 1.50	4.64 2.27	3.93 0.84	3.59 -0.09	3.81 0.67	3.24 0.05	3.26 0.08	3.52 -0.68	NR NR	21
22	2.57 -0.99	3.22 -1.03	2.98 -0.89	4.71 2.06	4.59 2.12	3.93 0.66	3.68 0.24	3.41 0.60	3.36 0.05	3.54 0.09	3.60 -0.48	NR NR	22
23	3.03 -1.09	3.11 -1.19	2.78 -1.07	4.85 2.22	4.75 2.14	3.55 0.66	3.54 0.14	3.49 0.79	3.42 0.40	4.05 -0.15	4.12 -0.13	NR NR	23
24	3.24 -0.96	3.15 -1.11	2.92 -1.25	5.03 2.24	5.22 2.30	3.32 0.32	2.96 -0.46	3.63 0.66	3.83 0.49	NR NR	4.09 -0.30	NR NR	24
25	3.24 -0.85	2.30 -0.96	2.99 -0.58	5.48 2.58	4.39 2.07	3.23 0.37	2.62 -0.57	3.60 0.75	3.96 0.61	NR NR	3.70 -0.63	NR NR	25
26	3.16 -1.05	1.78 -1.52	3.03 -0.24	5.68 3.21	4.14 1.94	2.99 0.06	2.51 -0.43	3.58 1.10	4.24 0.17	4.28 -0.42	3.47 -0.54	NR NR	26
27	2.86 -1.09	1.78 -1.51	2.77 -0.51	5.08 3.22	4.44 2.32	2.93 0.07	2.73 -0.32	4.02 1.20	4.46 0.17	4.14 -0.36	3.23 -0.55	NR NR	27
28	3.05 -0.96	1.84 -1.36	3.11 -0.21	5.67 3.97	5.23 3.47	3.20 0.29	2.97 0.20	4.18 1.09	4.59 0.01	3.98 -0.27	3.00 -0.38	NR NR	28
29	2.17 -0.91	2.02 -1.21	3.12 -0.55	4.77 3.48		3.60 0.56	3.38 0.42	4.49 1.00	4.46 -0.22	3.71 -0.37	2.89 -0.32	NR NR	29
30	2.51 -0.82	2.58 -0.82	3.15 -0.77	4.91 2.52		3.69 0.65	3.61 0.42	4.77 1.00	4.41 -0.25	3.32 -0.51	3.04 -0.17	NR NR	30
31	2.08 -0.91		3.14 0.78	4.73 2.34		3.93 1.44		5.08 1.19		2.78 -0.72	3.14 -0.05		31
MAXIMUM	3.24	3.29	4.12	5.68	6.22	4.99	4.86	5.08	5.99	NR	NR	NR	MAXIMUM
MINIMUM	-1.51	-1.52	-1.61	-1.16	1.00	0.06	-0.57	-0.52	-0.25	NR	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 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 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	1969

DATE	OCT.	NOV	DEC	JAN.	FEB.	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.33 2.32	5.33 2.31	6.07 2.29	6.35 2.24	NR NR	7.58 5.74	6.44 3.60	6.87 3.05	8.68 4.20	7.35 2.73	6.03 2.35	6.44 2.89	
2	6.23 2.46	5.59 2.38	5.57 1.65	6.28 4.07	NR NR	7.52 4.44	6.52 3.56	6.90 2.97	8.58 3.96	6.98 2.57	5.97 2.47	6.54 2.87	2
3	6.13 2.70	6.07 2.66	5.39 2.84	6.18 2.14	NR NR	7.40 4.57	6.95 3.54	7.24 3.00	8.07 3.60	6.53 2.30	6.20 2.63	6.86 2.83	3
4	5.91 2.70	6.01 3.26	5.74 1.46	6.04 2.04	NR NR	7.08 4.42	6.80 3.34	7.18 2.65	7.64 3.45	6.14 2.40	6.32 2.85	6.83 2.93	4
5	5.59 2.61	5.91 2.38	5.95 1.74	5.93 1.95	NR NR	6.90 4.22	7.58 3.69	7.20 2.69	7.12 3.30	6.26 2.56	6.41 2.53	5.69 2.88	5
6	5.53 2.65	5.97 2.19	5.85 1.78	5.80 1.98	NR NR	6.98 4.33	7.37 3.35	7.37 3.08	6.65 3.09	6.44 2.76	4.88 2.43	6.66 2.72	6
7	5.62 2.44	6.08 2.05	6.05 1.69	5.88 1.98	NR NR	6.87 3.96	7.05 3.03	NR NR	5.93 3.11	5.16 3.18	6.54 2.45	6.34 2.33	7
8	3.70 2.32	5.97 2.09	6.01 2.03	5.49 2.31	NR NR	6.92 3.79	6.99 3.06	NR NR	6.73 3.29	6.83 3.18	6.55 2.34	6.33 2.56	8
9	5.74 2.21	5.98 1.93	5.90 1.91	5.35 2.19	NR NR	6.96 3.73	6.85 3.02	NR NR	6.74 3.49	7.02 2.89	6.61 2.41	6.56 2.83	9
10	6.06 2.17	5.79 1.96	6.48 2.06	5.51 2.31	NR NR	6.93 3.46	6.58 3.04	5.84 2.79	6.96 3.31	6.86 2.68	6.69 2.48	6.42 2.76	10
11	6.25 2.30	5.77 1.85	5.25 2.63	5.74 2.32	NR NR	6.78 3.11	6.39 3.13	6.33 3.22	7.26 3.42	6.83 2.53	6.78 2.63	6.35 3.00	11
12	6.30 2.44	3.18 2.15	5.01 1.77	6.46 3.05	NR NR	6.64 2.86	6.50 3.26	6.55 3.48	7.33 3.30	6.83 2.44	6.62 2.46	6.33 3.17	12
13	5.90 2.32	5.05 1.88	5.24 1.77	7.44 3.52	NR NR	6.68 2.90	6.25 3.12	6.80 3.29	7.27 3.16	6.89 2.48	6.48 2.49	6.43 3.44	13
14	5.84 2.13	5.13 1.77	6.00 2.80	7.52 3.40	NR NR	6.53 2.78	6.38 3.38	6.79 3.06	7.36 3.10	7.01 2.72	6.45 2.64	6.58 3.38	14
15	5.17 1.94	5.48 2.39	6.88 3.00	7.44 3.12	NR NR	6.40 2.80	6.41 3.25	6.86 2.93	7.30 3.07	6.87 2.57	6.15 2.62	6.73 3.34	15
16	4.75 1.71	5.45 2.28	6.53 2.69	7.55 4.52	NR NR	6.43 3.02	6.32 2.88	7.02 2.93	7.24 3.06	6.67 2.46	5.93 2.62	6.70 3.19	16
17	5.16 1.90	5.63 2.26	6.60 2.34	7.37 3.14	NR NR	6.42 3.55	6.45 2.95	6.90 2.82	7.40 3.22	6.41 2.35	6.27 3.10	6.83 2.78	17
18	5.34 2.20	5.95 2.22	6.69 2.49	7.31 3.04	NR NR	6.18 3.19	6.79 2.89	7.25 3.19	6.83 2.82	6.29 2.56	6.39 3.27	6.79 2.70	18
19	5.32 2.33	6.21 2.95	7.22 4.26	8.26 3.45	NR NR	6.13 3.13	6.39 2.55	7.04 2.91	6.57 2.89	5.93 2.55	6.51 3.06	6.95 2.52	19
20	5.65 2.50	6.27 2.14	6.96 2.79	8.24 4.35	7.59 4.94	6.40 3.27	6.28 2.38	6.67 2.82	6.24 2.94	6.13 2.73	6.58 2.76	6.82 2.60	20
21	5.70 2.63	6.48 1.97	6.65 2.46	8.05 4.59	7.30 4.66	6.61 3.26	6.38 2.58	6.53 2.98	6.00 2.59	6.45 3.14	6.83 2.46	5.60 2.52	21
22	5.87 2.24	6.38 2.04	6.17 2.15	7.66 5.06	7.29 4.56	6.66 3.11	6.43 2.98	6.23 2.94	6.18 2.67	6.76 3.34	5.45 2.59	6.72 2.61	22
23	6.17 2.09	6.27 1.91	5.91 2.01	7.53 5.13	7.52 4.64	6.26 2.94	6.33 2.97	5.92 3.16	5.08 3.12	7.17 3.16	7.34 2.95	6.58 2.77	23
24	6.35 2.14	6.28 2.00	6.10 1.98	7.72 5.00	8.00 4.96	6.06 2.65	5.81 2.27	6.37 3.04	6.60 3.31	5.33 2.95	7.28 2.75	6.47 2.90	24
25	6.50 2.18	5.39 2.13	6.15 2.58	8.23 5.46	7.15 4.50	6.00 2.70	5.45 2.19	6.31 3.18	6.75 3.27	7.27 2.71	6.96 2.40	6.19 2.86	25
26	6.39 2.16	4.93 1.60	6.23 2.91	8.52 6.05	6.87 4.20	5.79 2.54	5.33 2.33	6.29 3.52	7.02 2.77	7.44 2.67	6.77 2.49	6.51 3.15	26
27	6.10 2.08	4.94 1.62	5.99 2.68	7.81 5.73	7.16 4.49	5.71 2.53	5.57 2.54	6.71 3.55	7.25 2.75	7.53 2.74	6.53 2.49	6.86 3.44	27
28	6.28 2.20	5.00 1.73	6.35 2.88	NR NR	7.89 4.82	5.96 2.77	5.80 3.04	6.85 3.35	7.40 2.55	7.39 2.74	6.28 2.65	6.58 3.31	28
29	5.80 2.31	5.20 1.88	6.26 2.54	NR NR		6.28 3.09	6.24 3.31	7.15 3.21	7.31 2.43	7.28 2.77	o.12 2.72	6.70 2.87	29
30	5.48 2.33	5.73 2.28	6.27 2.31	NR NR		6.37 3.22	6.46 3.15	7.43 3.17	7.33 2.47	7.02 2.69	6.22 2.86	6.53 2.80	30
31	5.40 2.27		6.24 2.27	NR NR		6.61 3.63		7.75 3.31		6.58 2.52	6.31 3.01		31
MAXIMUM	6.50	6.48	7.22	NR	NR	7.58	7.58	NR	8.68	7.53	7.34	6.95	MAXIMUM
MINIMUM	1.71	1.60	1.46	NR	NR	2.53	2.19	NR	2.43	2.30	2.34	2.33	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.O.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

OLD RIVER NEAR TRACY ROAD BRIDGE

in feet

STATION NO	WATER YEAR
895380	1969

DATE	OCT	NOV	DEC	JAN.	FEB.	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.04 2.18	5.05 2.01	6.12 2.32	6.46 2.58	9.91 8.88	11.66 10.93	8.18 7.05	7.50 4.96	10.58 9.02	7.86 3.96	5.91 2.28	6.37 2.71	1
2	5.92 2.28	5.32 2.02	5.67 2.37	6.39 2.54	9.40 8.57	11.48 10.93	8.20 7.01	7.50 4.87	10.55 8.95	7.46 3.65	5.80 2.32	6.48 2.70	2
3	5.80 2.45	5.87 2.07	5.46 1.76	6.27 2.45	9.08 8.12	11.29 10.79	8.45 6.96	7.84 4.91	10.25 8.81	7.03 3.37	5.18 2.45	5.62 2.61	3
4	5.58 2.33	5.83 2.29	5.85 1.74	6.11 2.35	8.90 7.72	10.97 10.55	8.28 6.71	7.82 4.52	10.01 8.71	6.56 3.20	6.08 2.65	6.90 2.76	4
5	5.17 2.27	5.73 2.03	6.08 1.88	5.98 2.20	8.75 7.50	10.56 10.07	8.84 6.79	7.84 4.59	9.73 8.63	6.28 3.26	6.03 2.24	6.86 2.74	5
6	5.06 2.21	5.81 1.86	5.99 1.93	5.84 2.16	9.21 7.67	10.40 9.65	8.58 6.45	8.01 4.88	9.41 8.55	6.55 3.33	6.16 2.12	6.64 2.69	6
7	5.33 2.02	6.06 1.74	6.23 1.85	5.90 2.06	8.72 7.47	9.98 9.07	8.40 6.56	8.15 4.89	9.42 8.51	6.86 3.77	6.33 2.13	6.31 2.38	7
8	5.33 1.89	5.98 1.77	6.22 2.19	5.52 2.38	8.67 7.19	9.60 8.59	8.52 6.89	7.05 4.42	9.48 8.59	7.22 3.75	6.32 2.04	6.36 2.60	8
9	5.39 1.76	5.88 1.74	6.10 2.12	5.39 2.23	8.89 7.37	9.36 8.23	8.60 7.21	6.53 4.35	9.56 8.73	7.36 3.45	6.37 2.14	6.64 2.87	9
10	5.78 1.75	5.75 1.74	6.68 2.20	5.54 2.29	9.17 7.52	9.23 8.01	8.69 7.50	6.55 4.62	9.72 8.79	7.08 3.15	6.55 2.26	6.48 2.78	10
11	6.02 1.87	5.73 1.74	5.48 2.73	5.69 2.24	9.71 7.89	9.06 7.76	8.60 7.90	6.95 4.81	10.00 9.01	7.02 2.92	6.61 2.41	6.39 3.09	11
12	6.17 1.97	5.10 1.86	5.18 1.90	6.46 2.95	10.19 8.42	8.96 8.12	8.49 7.44	7.18 5.12	10.11 9.04	6.98 2.92	6.43 2.20	6.54 3.26	12
13	5.70 1.87	5.04 1.74	5.34 1.84	7.46 3.84	10.11 8.63	8.97 7.67	8.15 7.17	7.48 5.15	10.08 8.88	7.04 2.90	6.26 2.22	6.62 3.50	13
14	5.67 1.75	4.94 1.74	6.09 2.77	7.67 3.52	10.37 8.69	8.78 7.64	8.11 6.86	7.69 5.62	9.95 8.61	7.17 3.09	6.21 2.37	6.80 3.46	14
15	4.54 1.75	5.40 2.09	6.96 2.97	7.65 3.44	10.79 8.88	8.57 7.45	7.99 6.71	7.88 5.85	9.68 8.27	7.07 2.90	5.92 2.39	6.96 3.41	15
16	4.87 1.74	5.33 2.16	6.71 3.24	7.79 3.49	10.35 9.17	8.49 7.24	7.77 6.19	8.22 6.24	9.41 7.93	6.86 2.77	5.71 2.32	6.87 3.27	16
17	4.80 1.74	5.51 2.27	6.82 2.84	7.62 3.63	10.44 9.07	8.54 7.31	7.69 5.91	8.32 6.65	9.21 7.45	6.68 2.84	6.07 2.76	6.93 2.88	17
18	4.93 1.92	5.83 2.09	6.88 2.57	7.10 3.55	10.31 9.26	8.32 7.36	7.81 5.61	8.88 7.25	8.52 6.87	6.59 3.00	6.12 2.98	6.92 2.78	18
19	5.14 2.12	6.07 2.11	7.43 2.73	8.31 3.79	10.30 9.29	8.17 7.13	7.37 5.21	8.94 7.47	8.28 6.81	6.18 2.80	6.26 2.70	5.72 2.63	19
20	5.28 2.34	6.12 2.06	7.18 3.07	8.40 4.61	10.11 9.13	8.25 7.03	7.22 4.97	8.84 7.56	8.06 6.73	5.81 2.79	4.76 2.45	7.11 2.74	20
21	5.42 2.15	6.45 2.10	6.85 2.71	8.43 5.00	10.13 9.26	8.37 7.04	7.34 5.17	8.84 7.67	7.86 6.22	6.19 3.13	6.35 2.17	6.99 2.75	21
22	5.58 1.91	6.38 2.18	6.20 2.42	8.27 5.71	10.16 9.27	8.32 6.89	7.41 5.29	8.69 7.71	7.56 5.86	6.43 3.24	6.68 2.45	6.87 2.80	22
23	6.19 1.80	6.25 2.03	6.03 2.22	9.02 6.99	10.23 9.13	8.25 7.01	7.22 5.04	8.72 7.80	7.50 5.74	6.71 3.10	7.22 2.80	6.74 2.95	23
24	6.41 2.02	6.30 2.10	6.16 2.04	9.37 7.76	10.33 9.05	8.11 6.94	6.67 4.60	8.81 7.89	7.71 5.55	7.19 2.87	7.15 2.66	6.51 3.08	24
25	6.31 2.10	5.45 2.20	6.17 2.60	9.59 7.75	9.96 9.20	8.15 7.05	6.34 4.44	8.87 7.95	7.75 5.68	7.23 2.65	6.83 2.32	6.29 2.95	25
26	6.13 1.82	4.86 1.74	6.30 2.89	9.85 8.08	10.31 9.17	7.97 6.86	6.19 4.47	8.90 8.12	7.98 5.51	7.37 2.58	6.60 2.46	6.65 3.10	26
27	5.85 1.80	4.95 1.74	5.99 2.59	10.33 A 8.61 A	11.06 9.81	7.93 7.50	6.38 4.50	9.17 8.18	8.18 5.51	7.45 2.67	6.35 2.43	7.04 3.41	27
28	5.30 1.93	4.99 1.75	6.37 2.94	NR NR	11.54 10.55	7.99 6.85	6.60 5.10	9.29 8.24	8.26 5.10	7.32 2.69	6.17 2.60	6.74 3.38	28
29	6.03 2.02	5.18 1.83	6.40 2.98	NR NR		8.16 6.82	6.99 4.86	9.48 8.26	8.05 4.50	7.12 2.76	6.01 2.65	6.96 3.07	29
30	5.47 2.07	5.77 2.75	6.42 2.76	NR NR		8.16 6.87	7.20 5.00	9.68 8.36	7.92 4.05	6.92 2.62	6.18 2.80	6.78 2.93	30
31	5.11 2.00		6.41 2.60	NR NR		8.33 6.88		9.94 8.55		6.46 2.45	6.27 2.92		31
MAXIMUM	6.41	6.45	7.43	NR	11.54	11.66	8.84	9.94	10.58	7.86	7.22	7.11	MAXIMUM
MINIMUM	1.74	1.74	1.74	NR	7.19	6.82	4.44	4.35	6.05	2.45	2.04	2.38	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.O.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 48 30	121 26 06	SW 32 1S 5E		13.2	12-29-1955		JUN 51-DEC 54 ö FEB 55-DATE	1958 1964	 1964	-4.44 -4.47 -3.00	USCGS USCGS 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
B95420	1969

DATE	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP	DATE
1	6.03 2.38	5.06 2.15	6.16 2.51	NR NR	11.19 10.52	NR NR	NR NR	NR NR	11.58 10.57	7.98 4.53	5.90 2.47	6.48 2.95	1
2	5.91 2.51	5.33 2.14	5.71 2.57	NR NR	10.69 10.15	NR NR	NR NR	NR NR	11.59 10.53	7.49 4.20	5.59 2.56	6.59 2.94	2
3	5.81 2.61	5.87 2.23	NR NR	NR NR	10.37 9.74	NR NR	NR NR	NR NR	11.37 10.45	7.07 3.91	5.80 2.66	5.75 2.88	3
4	5.58 2.47	5.83 2.46	NR NR	NR NR	10.01 9.25	NR NR	NR NR	NR NR	11.20 10.38	6.63 3.70	6.09 2.85	7.03 3.02	4
5	5.19 2.41	5.74 2.19	NR NR	NR NR	9.83 8.97	NR NR	NR NR	NR NR	11.04 10.32	6.45 3.70	6.06 2.49	6.99 3.00	5
6	5.07 2.31	5.61 2.02	NR NR	NR NR	10.20 9.09	NR NR	NR NR	NR NR	10.80 10.27	6.59 3.80	6.17 2.37	6.78 2.95	6
7	5.33 2.18	6.07 1.91	NR NR	NR NR	9.77 8.88	NR NR	NR NR	3.35 3.75	10.80 10.22	6.90 4.18	6.32 2.39	6.44 2.66	7
8	5.34 2.06	5.99 1.96	NR NR	NR NR	9.73 8.66	NR NR	NR NR	7.40 5.38	10.83 10.31	7.24 4.13	6.33 2.31	6.50 2.90	8
9	5.40 1.94	5.96 1.73	NR NR	5.44 2.52	9.88 8.79	NR NR	NR NR	6.94 5.35	10.94 10.45	7.38 3.86	6.38 2.37	6.62 3.18	9
10	5.77 1.90	5.76 1.74	NR NR	5.58 2.58	NR NR	NR NR	NR NR	6.95 5.57	11.09 10.54	7.10 3.55	6.54 2.48	6.66 3.11	10
11	6.02 2.01	5.77 1.67	NR NR	5.74 2.53	NR NR	NR NR	NR NR	7.32 5.72	11.33 10.75	7.06 3.36	6.61 2.63	6.57 3.30	11
12	6.18 2.09	5.14 1.98	NR NR	6.52 3.22	NR NR	NR NR	NR NR	7.53 5.98	11.47 10.76	7.00 3.37	6.43 2.46	6.56 3.44	12
13	5.72 2.02	5.07 1.75	NR NR	7.50 3.75	NR NR	NR NR	NR NR	7.86 6.05	11.40 10.60	7.07 3.32	6.27 2.47	6.66 3.65	13
14	4.90 1.87	4.99 1.60	NR NR	7.72 4.49	NR NR	NR NR	NR NR	8.16 6.62	11.18 10.29	7.20 3.47	6.22 2.58	6.81 3.64	14
15	5.70 1.75	5.43 2.16	NR NR	7.73 3.73	NR NR	NR NR	NR NR	8.47 7.06	10.85 9.89	7.10 3.28	5.92 2.58	6.97 3.59	15
16	4.90 1.53	5.37 2.33	NR NR	7.86 3.90	NR NR	NR NR	NR NR	8.90 7.54	10.53 9.53	6.87 3.15	5.74 2.52	6.88 3.47	16
17	4.81 1.72	5.53 2.47	NR NR	7.71 4.09	NR NR	NR NR	NR NR	9.14 8.05	10.20 8.87	6.70 3.26	6.07 2.93	6.96 3.08	17
18	4.94 2.05	5.87 2.31	NR NR	7.18 3.99	NR NR	NR NR	NR NR	9.81 8.70	9.45 8.27	6.61 3.37	6.15 3.13	6.93 2.99	18
19	5.15 2.24	6.10 2.35	NR NR	8.38 4.22	NR NR	NR NR	NR NR	9.96 9.03	9.25 8.22	6.19 3.09	5.05 2.90	5.74 2.85	19
20	5.29 2.50	6.16 2.30	NR NR	8.51 4.98	NR NR	NR NR	NR NR	10.00 9.13	9.07 8.12	5.94 3.03	6.27 2.67	7.11 2.97	20
21	5.42 2.32	6.48 2.30	NR NR	8.60 5.42	NR NR	NR NR	NR NR	10.03 9.24	8.84 7.54	6.19 3.34	6.34 2.41	7.01 2.96	21
22	5.57 2.05	6.42 2.36	NR NR	8.66 6.21	NR NR	NR NR	NR NR	9.95 9.31	8.46 7.13	6.44 3.46	6.67 2.64	6.89 3.02	22
23	6.18 1.91	6.28 2.25	NR NR	9.92 8.10	NR NR	NR NR	NR NR	9.99 9.40	8.28 6.90	6.71 3.33	7.21 3.00	6.75 3.15	23
24	6.40 2.13	6.33 2.29	NR NR	10.30 9.07	NR NR	NR NR	NR NR	10.09 9.51	8.36 6.66	7.20 3.11	7.23 2.87	6.52 3.27	24
25	6.31 2.23	5.49 2.42	NR NR	10.36 8.97	NR NR	NR NR	NR NR	10.17 9.62	8.34 6.73	7.22 2.88	6.84 2.57	6.30 3.14	25
26	6.17 1.99	4.88 1.86	NR NR	10.64 9.89	NR NR	NR NR	NR NR	10.26 9.74	8.50 6.62	7.36 2.84	6.61 2.66	6.65 3.31	26
27	5.83 1.95	4.99 1.83	NR NR	12.28 A 9.90 A	NR NR	NR NR	NR NR	10.44 9.82	8.68 6.58	7.46 2.92	6.36 2.66	7.03 3.63	27
28	5.84 2.07	5.01 1.91	NR NR	13.08 A 12.13 A	NR NR	NR NR	NR NR	10.52 9.79	8.67 6.08	7.33 2.94	6.17 2.60	6.77 3.58	28
29	6.05 2.10	5.20 2.00	NR NR	12.14 A 11.75 A		NR NR	NR NR	10.67 9.87	8.33 5.31	7.12 2.99	6.07 2.84	6.96 3.33	29
30	5.49 2.16	5.80 2.44	NR NR	12.02 11.51		NR NR	NR NR	10.63 10.01	8.09 6.75	6.91 2.84	6.25 3.00	6.81 3.21	30
31	5.11 2.11			11.06 10.94		NR NR		11.07 10.19		6.46 2.67	6.37 3.11		31
MAXIMUM	6.40	6.48	NR	NR	NR	NR	NR	NR	11.59	7.98	7.23	7.11	MAXIMUM
MINIMUM	1.53	1.60	NR	NR	NR	NR	NR	NR	4.75	2.67	2.31	2.66	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 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 27	121 25 03	NE 4 2S 5E		14.6	12-29-1955		JUNE 51-OCT 53 ᵇ	1955		-4.22	USCGS
							APR 54-SEP 66		1964	-4.43	USCGS
							MAR 68-DATE	1964		-3.00	USCGS

Station located 0.1 mile east of mouth of Sugar Cut, 2.2 miles above mouth, 2.6 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.

ᵇ - Irrigation season only.

TABLE 8-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

OLD RIVER AT CLIFTON COURT FERRY

in feet

STATION NO	WATER YEAR
B95340	1969

DATE	OCT	NOV	DEC	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	5.84 1.98	4.83 1.94	5.85 2.65	NR NR	8.14 5.66	8.72 6.92	7.00 4.67	7.06 3.71	9.31 5.92	7.52 3.12	5.64 2.12	6.20 2.63	1
2	5.71 2.13	5.10 1.98	5.41 2.13	NR NR	7.58 5.50	8.56 6.75	7.06 4.67	7.08 3.57	9.23 5.73	7.11 7.92	5.53 2.21	6.35 2.66	2
3	5.58 2.31	5.62 1.95	5.19 1.48	NR NR	7.27 4.94	8.50 6.76	7.45 4.72	7.40 3.53	8.77 5.45	6.69 2.67	5.77 2.35	6.80 2.61	3
4	5.34 2.29	5.58 2.18	5.61 1.30	NR NR	7.64 4.64	8.17 6.63	7.30 4.50	7.40 3.12	8.38 5.31	6.27 2.60	4.70 2.55	5.61 2.77	4
5	4.93 2.17	5.49 1.92	5.63 1.58	NR NR	7.31 4.75	7.87 6.29	8.04 4.79	7.47 3.33	7.89 5.15	6.06 2.58	5.78 2.17	6.77 2.72	5
6	4.64 2.13	5.57 1.74	5.74 1.62	NR NR	7.97 5.12	7.90 6.17	7.80 4.33	7.64 3.58	7.40 4.96	6.23 2.81	5.95 2.09	6.56 2.66	8
7	5.11 1.96	3.83 1.61	5.98 1.54	NR NR	7.37 4.87	7.73 5.70	7.54 4.21	7.78 3.58	7.41 4.91	6.56 3.37	6.11 2.10	6.28 2.33	7
8	5.12 1.83	3.75 1.69	5.97 1.87	5.25 2.02	7.31 4.52	7.65 5.36	7.49 4.35	6.64 2.89	7.49 5.03	6.94 3.37	6.12 2.01	6.22 2.55	8
9	5.19 1.72	5.68 1.47	5.85 1.80	5.09 1.90	7.64 4.74	7.61 5.06	7.38 4.41	6.06 2.80	7.55 5.29	7.10 3.07	6.16 2.10	6.52 2.83	9
10	5.55 1.68	5.55 1.51	6.48 1.93	5.26 1.99	7.78 4.87	7.57 4.89	7.23 4.57	6.05 3.11	7.79 5.28	6.84 2.77	6.30 2.17	6.36 2.75	10
11	5.82 1.83	5.51 1.43	5.21 2.50	5.42 1.97	8.24 5.41	7.40 4.56	7.08 4.51	6.50 3.32	8.10 5.45	6.75 2.54	6.36 2.34	6.27 2.97	11
12	5.99 1.96	4.89 1.79	4.91 1.64	6.19 2.72	8.78 6.46	7.30 4.34	7.10 4.64	6.70 3.68	8.20 5.38	6.72 2.47	6.18 2.14	6.25 3.16	12
13	5.51 1.86	4.79 1.59	5.09 1.62	7.18 3.25	8.63 5.56	7.34 4.39	6.80 4.13	7.00 3.77	8.14 5.28	6.79 2.45	6.01 2.17	6.33 3.38	13
14	5.50 1.68	4.72 1.42	5.85 2.62	7.37 3.13	8.90 5.53	7.18 5.29	6.85 4.73	7.11 3.88	8.15 5.08	6.91 2.69	5.97 2.34	6.51 3.34	14
15	4.33 1.51	5.10 2.06	6.67 2.87	7.33 4.20	9.46 5.72	7.05 4.24	6.89 4.29	7.25 3.87	8.06 4.97	6.81 2.56	5.68 2.30	6.66 3.29	15
16	4.68 1.27	5.07 1.97	6.44 2.56	7.48 2.95	8.89 6.17	7.05 4.15	6.78 3.94	7.48 4.01	7.93 4.82	6.60 2.47	5.47 2.28	6.58 3.13	16
17	4.60 1.47	5.25 1.85	6.55 3.34	7.31 3.01	8.94 6.12	7.15 4.45	6.83 3.78	7.37 4.07	7.98 4.78	6.38 2.46	5.83 2.71	6.68 2.75	17
18	4.73 1.82	5.56 2.41	6.60 2.27	7.01 2.92	8.68 6.34	6.86 4.61	7.13 3.71	7.75 4.43	7.39 4.30	6.30 2.65	5.88 2.93	6.69 2.64	18
19	4.94 2.05	5.83 1.82	7.15 2.39	8.02 3.22	8.56 6.40	6.76 4.44	6.72 3.27	7.63 4.44	7.11 4.24	5.91 2.54	6.04 2.64	5.44 2.47	19
20	5.06 2.34	5.89 1.77	6.90 2.74	8.12 4.16	8.32 6.13	6.99 4.48	6.59 2.95	7.32 4.40	6.76 4.19	5.92 2.60	6.12 2.38	6.87 2.57	20
21	5.19 2.07	6.23 1.83	6.56 2.35	8.08 4.47	8.06 6.09	7.20 4.58	6.76 3.36	7.21 4.53	6.12 3.74	5.31 3.00	4.71 2.12	6.72 2.56	21
22	5.36 1.81	6.16 1.89	5.91 2.01	7.87 5.01	7.98 5.92	7.17 4.43	6.75 3.60	6.88 4.48	6.45 3.66	6.20 3.16	6.45 2.37	6.59 2.64	22
23	5.98 1.69	6.05 1.72	5.74 1.80	8.05 5.38	8.14 5.92	6.92 4.54	6.62 3.53	6.89 4.61	6.59 3.86	6.47 2.98	7.02 2.67	6.45 2.79	23
24	6.19 1.93	6.09 1.83	5.88 1.68	8.22 5.53	8.56 6.01	6.71 4.28	6.06 3.00	7.02 4.57	6.98 3.89	6.93 2.72	6.96 2.51	6.20 2.91	24
25	6.08 2.01	5.19 1.95	5.85 2.27	8.64 5.81	7.87 5.82	6.65 4.33	5.74 2.88	7.00 4.60	7.05 4.06	6.97 2.51	6.57 2.21	5.98 2.81	25
26	5.93 1.71	4.60 1.33	5.99 2.61	8.83 6.50	7.70 5.93	6.35 3.88	5.63 2.99	7.00 4.92	7.37 3.71	7.11 2.44	6.32 2.32	6.34 2.95	26
27	5.62 1.70	4.70 1.40	5.72 2.34	8.36 6.65	8.14 5.92	6.30 3.88	5.86 2.97	7.43 5.02	7.61 3.71	7.17 2.50	6.10 2.33	6.73 3.26	27
28	5.04 1.86	4.75 1.53	6.09 2.64	9.17 7.77	8.85 6.50	6.53 4.01	6.11 3.39	7.59 5.01	7.73 3.52	7.04 2.54	5.88 2.43	6.44 3.22	28
29	5.84 1.97	4.93 1.68	NR NR	8.25 7.16		6.88 4.24	6.47 3.64	7.88 4.95	7.62 3.20	6.86 2.60	5.78 2.53	6.65 2.84	29
30	5.25 1.96	5.52 2.08	NR NR	8.36 6.37		6.94 4.99	6.71 3.69	8.13 4.99	7.56 3.05	6.64 2.48	5.96 2.72	6.51 2.63	30
31	4.88 1.90		NR NR	8.09 6.11		7.15 4.31		8.45 5.17		6.19 2.31	6.07 2.82		31
MAXIMUM	6.19	6.23	NR	NR	9.46	8.72	8.04	8.45	9.31	7.52	7.02	6.87	MAXIMUM
MINIMUM	1.27	1.33	NR	NR	4.52	3.88	2.88	2.80	3.05	2.31	2.01	2.33	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		
37 49 28	121 33 05	6E 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 listed does not indicate maximum discharge.

TABLE 8-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

ITALIAN SLOUGH NEAR BYRON

in feet

STATION NO.	WATER YEAR
B95280	1969

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	DATE
1	2.82 -1.18	1.72 -1.40	2.70 -0.66	NR NR	NR NR	5.18 3.03	3.84 1.03	3.80 0.38	6.08 2.15	4.46 -0.11	2.80 -0.85	3.20 -0.39	1
2	2.71 -1.03	2.06 -1.34	2.26 -1.16	NR NR	NR NR	4.96 2.79	3.80 0.97	4.13 0.17	5.95 1.95	4.06 -0.29	2.55 -0.74	3.34 -0.31	2
3	2.59 -1.02	2.55 -0.60	NR NR	NR NR	NR NR	4.95 2.83	4.21 1.19	4.12 0.20	5.48 1.66	3.61 -0.50	2.88 -0.52	3.60 -0.34	3
4	2.34 -1.18	2.42 -1.13	NR NR	NR NR	NR NR	4.60 2.72	4.16 0.95	4.17 -0.45	5.04 1.52	3.20 -0.56	2.71 -0.46	2.58 -0.21	4
5	1.92 -1.01	2.39 -1.36	NR NR	NR NR	NR NR	4.31 2.40	4.90 1.30	4.40 0.06	4.49 1.29	2.70 -0.59	2.68 -0.76	3.79 -0.25	5
6	1.87 -1.22	2.46 -1.45	NR NR	NR NR	NR NR	4.42 2.35	4.65 0.81	4.55 0.25	3.89 1.11	3.15 -0.32	2.90 -0.65	3.58 -0.35	6
7	2.08 -1.40	2.63 -1.78	NR NR	NR NR	NR NR	4.31 1.94	4.40 0.70	4.70 0.33	3.99 1.05	3.54 0.26	3.06 -0.85	3.27 -0.68	7
8	2.10 -1.55	2.53 -1.45	NR NR	1.97 -1.12	NR NR	4.35 1.67	4.36 0.75	3.56 -0.39	4.10 1.20	3.90 0.25	3.08 -0.94	3.22 -0.45	8
9	2.18 -1.66	2.49 -1.85	NR NR	1.83 -1.21	NR NR	4.35 1.42	4.20 0.81	2.99 -0.45	4.17 1.45	4.06 -0.05	3.12 -0.86	3.55 -0.20	9
10	2.55 -1.72	2.47 -1.89	NR NR	2.15 -1.27	NR NR	4.29 1.23	3.98 0.86	2.97 -0.36	4.37 1.46	3.75 -0.29	3.48 -0.79	3.35 -0.28	10
11	2.80 -1.54	2.41 -1.72	NR NR	2.20 -1.31	NR NR	4.07 0.88	3.82 0.68	3.24 -0.06	4.66 1.59	3.65 -0.50	3.59 -0.61	3.29 -0.05	11
12	2.96 -1.41	1.82 -1.36	NR NR	3.01 -0.53	NR NR	3.98 0.70	3.90 0.72	3.42 0.31	4.74 1.45	3.65 -0.59	3.33 -0.82	3.25 0.11	12
13	2.48 -1.55	1.70 -1.58	NR NR	4.09 0.15	NR NR	4.04 0.74	3.49 0.42	3.74 0.49	4.69 1.38	3.72 -0.62	3.19 -0.76	3.37 0.35	13
14	2.46 -1.74	1.68 -1.75	NR NR	4.35 -0.01	NR NR	3.90 1.71	3.52 1.24	3.87 0.54	4.72 1.18	3.88 -0.39	3.17 -0.62	3.53 0.30	14
15	1.28 -1.93	2.02 -1.16	NR NR	4.36 0.99	NR NR	3.79 0.61	3.59 0.59	4.17 0.48	4.66 1.12	3.85 -0.45	2.88 -0.66	3.68 0.25	15
16	1.65 -2.14	2.00 -1.28	NR NR	4.35 -0.21	NR NR	3.83 0.57	3.50 0.48	4.32 0.54	4.60 1.05	3.66 -0.58	2.66 -0.63	3.61 0.14	16
17	1.60 -1.96	2.17 -1.48	NR NR	4.17 -0.16	NR NR	3.90 0.82	3.56 0.34	4.20 0.55	4.73 1.08	3.39 -0.62	2.99 -0.36	3.71 -0.29	17
18	1.74 -1.30	2.49 -0.84	NR NR	3.91 -0.26	NR NR	3.56 0.99	3.99 0.34	4.52 0.79	4.18 0.64	3.28 -0.45	2.84 -0.01	3.72 -0.39	18
19	2.02 -0.94	2.76 -1.53	NR NR	4.93 0.08	NR NR	3.47 0.71	3.49 -0.11	4.47 0.81	3.88 0.58	2.92 -0.52	2.99 -0.49	2.43 -0.59	19
20	2.06 -0.61	2.82 -1.37	NR NR	4.96 1.04	NR NR	3.76 0.86	3.36 -0.69	4.06 0.75	3.49 0.54	2.91 -0.49	3.05 -0.48	3.88 -0.46	20
21	2.15 -1.24	3.13 -1.52	NR NR	4.87 1.30	NR NR	4.00 0.99	3.76 -0.02	3.89 0.85	3.26 0.14	3.17 -0.02	1.82 -0.85	3.74 -0.49	21
22	2.33 -1.52	3.06 -1.45	NR NR	4.66 1.77	4.65 2.32	3.91 0.82	3.59 0.23	3.53 0.79	2.37 0.12	2.08 0.14	3.38 -0.58	3.61 -0.39	22
23	3.06 -1.61	2.95 -1.55	NR NR	4.79 1.95	4.82 2.33	3.64 0.94	3.53 0.22	3.49 0.94	3.47 0.41	3.44 0.02	4.21 -0.30	3.46 -0.25	23
24	3.27 -1.04	2.97 -1.53	NR NR	5.01 2.04	5.24 2.48	3.45 0.65	2.83 -0.36	3.67 0.84	3.86 0.49	3.89 -0.26	4.07 -0.48	3.27 -0.11	24
25	2.99 -0.96	2.10 -1.39	NR NR	5.43 2.40	4.47 2.24	3.35 0.70	2.48 -0.49	3.62 0.84	3.94 0.65	3.95 -0.49	3.62 -0.76	3.03 -0.18	25
26	2.91 -1.47	1.49 -2.11	NR NR	5.63 3.09	4.25 2.18	3.03 0.24	2.54 -0.38	3.61 1.25	4.27 0.25	4.12 -0.51	3.39 -0.64	3.36 -0.06	26
27	2.58 -1.53	1.51 -2.20	NR NR	5.06 3.09	4.58 3.36	2.97 0.05	2.68 -0.58	4.13 1.24	4.50 0.25	4.25 -0.51	3.26 -0.66	3.75 0.29	27
28	2.76 -1.36	1.60 -1.81	NR NR	NR NR	5.32 2.63	3.24 0.23	2.93 -0.25	4.22 1.31	4.62 0.12	4.08 -0.45	3.01 -0.56	3.41 0.21	28
29	1.88 -1.25	1.80 -1.60	NR NR	NR NR		3.64 0.51	3.27 0.05	4.58 1.21	4.53 -0.16	2.94 -0.39	2.89 -0.44	3.65 -0.19	29
30	2.21 -1.24	2.36 -1.23	NR NR	NR NR		3.61 1.36	3.43 0.31	4.85 1.26	4.45 -0.22	3.82 -0.48	3.06 -0.28	3.49 -0.45	30
31	1.82 -1.50		NR NR	NR NR		3.93 1.48		5.17 1.41		3.33 -0.66	3.15 -0.16		31
MAXIMUM	3.27	3.13	NR	NR	NR	5.18	4.90	5.17	6.08	4.46	4.21	3.88	MAXIMUM
MINIMUM	-2.14	-2.20	NR	NR	NR	0.05	-0.69	-0.45	-0.22	-0.66	-0.94	-0.68	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
37 50 17	121 35 48	NW 24 1S 3E		5.67	12-27-1964		MAY 1963-DATE		1964	-10.77	USCGS
								1964		0.00	USCGS

Station located north of Clifton Court Road, 3.1 miles southeast of Byron. Station located in tidal zone.

TABLE B-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

ITALIAN SLOUGH NEAR MOUTH

in feet

STATION NO	WATER YEAR
B95278	1969

DATE	OCT	NOV	DEC	JAN	FEB.	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	2.97 -0.95	1.90 -1.07	2.87 -0.39	3.16 -0.88	4.89 2.09	5.27 3.15	3.69 1.20	3.97 0.52	6.16 2.33	4.52 0.06	NR NR	3.30 -0.24	1
2	2.87 -0.80	2.20 -1.00	2.43 -0.94	3.09 -0.90	4.35 1.96	5.08 2.91	3.91 1.20	4.07 0.37	6.04 2.12	4.13 -0.13	NR NR	3.44 -0.19	2
3	2.73 -0.70	2.72 -1.02	2.20 -1.19	2.96 -1.02	4.03 1.41	5.04 2.94	4.32 1.32	4.31 0.34	5.55 1.80	3.70 -0.36	NR NR	3.90 -0.22	3
4	2.48 -0.79	2.63 -0.80	2.60 -1.19	2.81 -1.11	4.27 1.13	4.71 2.83	4.21 1.06	4.32 -0.19	5.13 1.65	3.27 -0.43	NR NR	2.66 -0.09	4
5	2.08 -0.79	2.56 -1.05	2.83 -1.19	2.68 -1.18	4.13 1.33	4.42 2.52	4.97 1.43	4.47 0.17	4.58 1.42	2.79 -0.43	NR NR	3.88 -0.13	5
6	2.02 -0.87	2.64 -1.15	2.72 -1.19	2.54 -1.17	4.83 1.68	4.52 2.47	4.74 0.94	4.63 0.40	3.98 1.24	3.26 -0.20	3.06 -0.74	3.67 -0.23	6
7	2.23 -1.04	2.62 -1.19	2.95 -1.19	2.61 -1.14	4.22 1.48	4.40 2.05	4.48 0.82	4.78 0.45	4.09 1.17	3.59 0.38	3.22 -0.72	3.34 -0.56	7
8	2.26 -1.16	2.74 -1.18	2.95 -1.18	2.22 -0.96	4.19 1.08	4.44 1.79	4.42 0.90	3.66 -0.27	4.20 1.31	3.97 0.38	3.23 -0.81	3.31 -0.34	8
9	2.33 -1.19	2.70 -1.19	2.84 -1.18	2.07 -1.04	4.53 1.34	4.41 1.53	4.27 0.93	3.08 -0.34	4.24 1.60	4.14 0.09	3.29 -0.73	3.60 -0.07	9
10	2.72 -1.19	2.62 -1.18	3.49 -1.18	2.29 -1.01	4.68 1.53	4.39 1.34	4.06 1.06	3.05 -0.06	4.44 1.57	3.86 -0.17	3.54 -0.66	3.45 -0.14	10
11	2.97 -1.17	2.57 -1.18	2.19 -0.62	2.43 -1.03	5.12 1.87	4.18 1.01	3.89 0.93	3.41 0.16	4.75 1.72	3.79 -0.36	3.61 -0.49	3.36 0.09	11
12	3.11 -1.04	1.98 -1.11	1.88 -1.17	3.22 -0.26	5.63 3.07	4.08 0.82	3.97 0.90	3.63 0.53	4.83 1.60	3.77 -0.44	3.41 -0.68	3.35 0.26	12
13	2.64 -1.14	1.84 -1.18	2.08 -1.18	4.22 0.34	5.50 2.06	4.13 0.87	3.63 0.60	3.92 0.61	4.78 1.51	3.84 -0.50	3.26 -0.64	3.42 0.50	13
14	2.62 -1.19	1.78 -1.21	2.86 -0.37	4.45 0.19	5.78 2.09	4.00 1.86	3.67 1.36	4.02 0.64	4.83 1.34	3.96 -0.21	3.22 -0.48	3.60 0.43	14
15	1.44 -1.16	2.16 -0.92	3.68 -0.11	4.40 1.24	6.34 2.25	3.87 0.74	3.76 0.81	4.24 0.59	4.76 1.27	3.90 -0.34	2.94 -0.50	3.75 0.39	15
16	1.81 -1.19	2.13 -0.97	3.43 -0.44	4.47 -0.01	5.76 2.69	3.91 0.69	3.66 0.60	4.43 0.67	4.69 1.19	3.71 -0.46	2.73 -0.54	3.70 0.25	16
17	1.76 -1.20	2.31 -1.14	3.56 0.31	4.30 0.05	5.81 2.68	3.97 0.95	3.73 0.48	4.30 0.68	4.80 1.21	3.47 -0.49	3.06 -0.17	3.81 -0.14	17
18	1.90 -1.10	2.63 -0.60	3.64 -0.74	4.06 -0.04	5.48 2.90	3.65 1.11	4.05 0.44	4.65 0.94	4.25 0.77	3.36 -0.28	3.01 0.12	3.81 -0.25	18
19	2.09 -0.80	2.91 -1.18	4.15 -0.62	5.07 0.25	5.38 2.98	3.55 0.90	3.66 0.01	4.50 0.94	3.97 0.70	2.99 -0.36	3.16 -0.25	3.97 -0.43	19
20	2.21 -0.48	2.96 -1.14	3.90 -0.27	5.10 1.23	5.13 2.71	3.84 0.99	3.53 -0.45	4.15 0.88	3.60 0.64	3.01 -0.32	3.24 -0.39	2.77 -0.32	20
21	2.29 -0.90	3.28 -1.19	3.55 -0.64	5.02 1.50	4.80 2.58	4.07 1.11	3.79 0.08	3.98 0.96	2.97 0.28	2.39 0.11	1.88 -0.70	3.83 -0.34	21
22	2.48 -1.13	3.20 -1.17	2.94 -0.96	4.81 1.97	4.75 2.43	4.03 0.94	3.72 0.34	3.61 0.91	3.37 0.24	3.40 0.30	3.55 -0.46	3.70 -0.26	22
23	3.11 -1.16	3.09 -1.19	2.76 -1.15	4.94 2.21	4.93 2.44	3.72 1.05	3.62 0.32	3.61 1.07	3.54 0.54	3.56 0.12	4.18 -0.15	3.54 -0.10	23
24	3.32 -0.89	3.11 -1.19	2.92 -1.17	5.12 2.25	5.34 2.59	3.52 0.75	2.99 -0.26	3.77 0.96	3.96 0.62	4.01 -0.14	4.14 -0.32	3.34 0.01	24
25	3.15 -0.83	2.25 -1.13	2.89 -0.72	5.58 2.59	4.57 2.35	3.43 0.80	2.66 -0.36	3.73 0.98	4.03 0.78	NR NR	3.73 -0.63	3.10 -0.07	25
26	3.08 -1.14	1.69 -1.19	3.01 -0.38	5.77 3.28	4.36 2.30	3.11 0.36	2.54 -0.23	3.72 1.37	4.37 0.39	NR NR	3.48 -0.52	3.45 0.06	26
27	2.76 -1.15	1.70 -1.19	2.75 -0.64	5.16 3.32	4.70 3.47	3.07 0.28	2.79 -0.36	4.19 1.41	4.58 0.40	NR NR	3.25 -0.51	3.83 0.42	27
28	2.94 -1.07	1.77 -1.18	3.12 -0.30	5.77 4.10	5.45 2.75	3.34 0.41	3.08 -0.01	4.31 1.44	4.71 0.26	NR NR	3.07 -0.40	3.53 0.34	28
29	2.07 -1.00	1.96 -1.19	3.12 -0.63	4.89 3.64		3.73 0.69	3.38 0.33	4.65 1.35	4.59 -0.04	NR NR	2.96 -0.31	3.74 -0.05	29
30	2.38 -0.99	2.53 -0.99	3.15 0.49	5.02 2.73		3.76 1.54	3.60 0.48	4.94 1.36	4.55 -0.09	NR NR	3.12 -0.14	3.59 -0.28	30
31	2.01 -1.11		3.14 -0.84	4.80 2.52		4.03 0.79		5.24 1.55		NR NR	3.23 -0.02		31
MAXIMUM	3.32	3.28	4.15	5.77	6.34	5.27	4.97	5.24	6.16	NR	NR	3.97	MAXIMUM
MINIMUM	-1.20	-1.21	-1.19	-1.18	1.08	0.28	-0.45	-0.34	-0.09	NR	NR	-0.56	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 51 38	121 34 48	NW 7 1S 4E		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 8-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

GRANT LINE CANAL AT TRACY ROAD BRIDGE

in feet

STATION NO	WATER YEAR
B95300	1969

DATE	OCT.	NOV	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG	SEP	DATE
1	5.98 2.31	4.96 2.11	6.03 2.43	6.42 2.71	9.88 8.52	11.52 10.51	8.26 7.12	7.51 5.14	10.57 9.04	7.82 4.16	5.84 2.45	6.43 2.92	1
2	5.87 2.43	5.22 2.16	5.59 2.68	6.34 2.67	9.39 8.26	11.36 10.69	8.29 7.09	7.52 5.04	10.56 6.99	7.40 3.85	5.75 2.53	6.54 2.92	2
3	5.75 2.57	5.78 2.22	5.37 1.89	6.21 2.58	9.08 7.85	11.20 10.42	8.53 7.01	7.82 5.07	10.28 8.85	6.97 3.58	5.12 2.64	5.69 2.86	3
4	5.51 2.45	5.74 2.09	5.76 1.73	6.06 2.50	8.93 7.50	10.88 10.21	8.37 6.78	7.80 4.70	10.03 8.77	6.53 3.42	6.00 2.82	6.97 3.00	4
5	5.09 2.40	5.64 2.16	6.00 2.00	5.92 2.35	8.76 7.35	10.54 9.86	8.89 6.85	7.83 4.79	9.76 8.68	6.33 3.42	6.01 2.45	6.94 2.97	5
6	4.98 2.29	5.72 2.01	5.91 2.05	5.78 2.32	9.25 7.57	10.44 9.54	8.63 6.49	7.99 5.05	9.47 8.61	6.49 3.53	6.13 2.34	6.74 2.92	6
7	5.24 2.16	5.99 1.88	6.16 1.98	5.83 2.21	8.77 7.36	10.06 9.00	8.45 6.60	8.14 5.06	9.47 8.57	6.81 3.97	6.30 2.36	6.42 2.64	7
8	5.26 2.05	5.91 1.87	6.16 2.31	5.47 2.50	8.72 7.13	9.73 8.59	8.58 6.92	7.09 4.61	9.53 8.65	7.16 3.94	6.29 2.27	6.44 2.86	8
9	5.32 1.93	5.82 1.71	6.04 2.24	5.31 2.37	8.96 7.32	9.49 6.24	8.64 7.22	6.59 4.55	9.61 8.81	7.33 3.66	6.34 2.36	6.74 3.13	9
10	5.70 1.91	5.70 1.74	6.65 2.33	5.47 2.44	9.22 7.45	9.34 8.05	8.71 7.52	6.59 4.77	9.77 8.86	7.05 3.35	6.49 2.46	6.58 3.07	10
11	5.96 2.01	5.69 1.66	5.42 2.82	5.63 2.38	9.74 8.12	9.14 7.83	8.63 7.42	6.99 4.92	10.03 9.06	6.98 3.16	6.54 2.60	6.50 3.26	11
12	6.12 2.12	5.05 1.98	5.09 2.02	6.40 3.10	10.19 8.25	9.07 7.72	8.51 7.61	7.21 5.26	10.14 9.08	6.94 3.16	6.38 2.43	6.48 3.41	12
13	5.65 2.03	4.96 1.75	5.27 1.96	7.40 3.62	10.14 8.43	9.05 8.21	8.20 7.18	7.53 5.47	10.10 8.94	7.01 3.13	6.22 2.45	6.54 3.64	13
14	5.64 1.87	4.88 1.60	6.01 2.88	7.62 4.42	10.40 8.48	8.89 7.69	8.16 6.85	7.74 5.76	9.96 8.68	7.15 3.28	6.17 2.59	6.73 3.61	14
15	4.50 1.73	5.31 2.19	6.87 3.09	7.60 3.56	10.83 8.67	8.69 7.54	8.06 6.72	7.97 5.97	9.70 8.39	7.02 3.12	5.88 2.58	6.89 3.56	15
16	4.83 1.51	5.24 2.26	6.64 3.41	7.75 3.62	10.39 8.97	8.59 7.34	7.85 6.25	8.29 6.34	9.46 8.06	6.81 3.01	5.66 2.52	6.80 3.43	16
17	4.74 1.71	5.43 2.42	6.74 2.93	7.57 3.74	10.49 8.91	8.65 7.40	7.76 5.96	8.38 6.72	9.29 7.59	6.63 3.07	6.02 2.93	6.90 3.05	17
18	4.88 2.07	5.74 2.22	6.78 2.68	7.14 3.65	10.34 9.10	8.44 7.43	7.86 5.69	8.90 7.28	8.61 7.03	6.55 3.21	6.09 3.13	6.88 2.95	18
19	5.05 2.24	5.99 2.24	7.35 2.84	8.26 3.90	10.25 9.14	8.29 7.26	7.46 5.32	8.94 7.52	8.35 6.97	6.13 2.99	6.23 2.68	5.69 2.80	19
20	5.20 2.49	6.04 2.19	7.10 3.16	8.35 4.73	10.15 8.98	8.37 7.15	7.31 5.09	8.85 7.61	8.14 6.87	5.76 2.95	4.75 2.65	7.07 2.92	20
21	5.34 2.30	6.37 2.21	6.77 2.82	8.40 5.09	10.14 9.11	8.49 7.13	7.41 5.29	8.85 7.72	7.95 6.38	6.13 3.29	6.31 2.39	6.93 2.91	21
22	5.49 2.85	6.31 2.29	6.13 2.53	8.20 5.77	10.18 9.12	8.44 7.01	7.50 5.46	8.69 7.75	7.67 6.03	6.40 3.41	6.64 2.62	6.81 2.97	22
23	6.10 1.94	6.18 2.16	5.97 2.34	8.93 6.79	10.26 9.00	8.33 7.10	7.30 5.21	8.72 7.87	7.60 5.90	6.68 3.27	7.20 2.96	6.68 3.12	23
24	6.33 2.14	6.23 2.20	6.08 2.17	9.29 7.44	10.39 8.98	8.20 7.06	6.79 4.78	8.84 7.93	7.80 5.74	7.14 3.08	7.17 2.84	6.45 3.22	24
25	6.23 2.22	5.38 2.32	6.10 2.72	9.52 7.51	9.96 9.01	8.23 7.17	6.44 4.62	8.88 8.00	7.84 5.85	7.18 2.84	6.79 2.52	6.22 3.12	25
26	6.11 1.98	4.77 1.75	6.23 3.00	9.77 8.31	10.27 9.67	8.08 7.01	6.29 4.66	8.93 8.18	8.04 5.68	7.32 2.79	6.55 2.64	6.58 3.28	26
27	5.79 1.94	4.85 1.75	5.93 2.72	9.91 8.32A	10.95 9.54	8.03 6.98	6.47 4.68	9.22 8.23	8.22 5.66	7.39 2.88	6.31 2.63	6.96 3.58	27
28	5.23 2.06	4.89 1.84	6.31 3.11	11.26 9.82A	11.41 10.17	8.10 6.95	6.68 5.28	9.32 8.29	8.28 5.28	7.26 2.89	6.11 2.76	6.68 3.55	28
29	5.99 2.16	5.08 1.95	6.34 2.93	10.37 9.53		8.25 7.43	7.03 5.01	9.53 8.32	8.03 4.70	7.07 2.95	6.00 2.82	6.90 3.24	29
30	5.41 2.19	5.69 2.84	6.38 2.89	10.40 9.30		8.25 6.95	7.22 5.15	9.72 8.40	7.88 4.26	6.85 2.81	6.19 2.97	6.73 3.11	30
31	5.00 2.08		6.36 2.73	10.02 9.03		8.40 6.97		9.96 8.59		6.41 2.64	6.30 3.09		31
MAXIMUM	6.33	6.37	7.35	11.26	11.41	11.52	8.89	9.96	10.57	7.82	7.20	7.07	MAXIMUM
MINIMUM	1.51	1.60	1.73	2.21	7.13	6.95	6.62	4.55	4.26	2.64	2.27	2.64	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		16.7	12-11-1950		OCT 40-SEPT 66	1940	1952	-3.66	USCGS
							MAR 68-DATE	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 8-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

STATION NO	WATER YEAR
11895270	1969

OLD RIVER NEAR BYRON

in feet

DATE	OCT	NOV	DEC	JAN.	FEB.	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	3.02 -0.85	1.98 -0.86	2.85 -0.24	3.17 -0.81	4.78 1.94	5.00 2.80	3.69 1.06	3.91 0.34	5.97 2.04	4.36 -0.06	2.60 -0.71	3.26 -0.23	1
2	2.91 -0.70	2.26 -0.83	2.41 -0.60	3.10 -0.83	4.26 1.83	4.86 2.52	3.78 1.04	3.94 0.24	5.65 1.83	3.98 -0.24	2.67 -0.62	3.39 -0.21	2
3	2.78 -0.51	2.73 -0.17	2.19 -1.44	2.99 -0.93	3.95 1.29	4.80 2.55	4.18 1.08	4.24 0.24	5.37 1.51	3.54 -0.49	2.96 -0.50	3.80 -0.26	3
4	2.54 -0.52	2.71 -0.59	2.55 -1.64	2.83 -1.03	4.17 1.02	4.47 2.63	4.05 0.85	4.24 -0.17	4.94 1.36	3.12 -0.48	3.01 -0.27	2.54 -0.12	4
5	2.18 -0.60	2.61 -0.85	2.80 -1.35	2.72 -1.12	4.04 1.24	4.23 2.14	4.80 1.19	4.32 0.02	4.41 1.14	3.15 -0.45	NR NR	3.76 -0.17	5
6	2.12 -0.65	2.68 -1.04	2.70 -1.31	2.58 -1.11	6.73 1.69	4.30 2.14	4.58 0.78	4.47 0.30	3.78 0.93	2.16 -0.23	NR NR	3.57 -0.28	6
7	2.29 -0.83	2.66 -1.17	2.93 -1.40	2.66 -1.16	4.11 1.42	4.19 1.75	4.30 0.56	4.60 0.33	3.92 0.88	3.42 0.28	NR NR	3.23 -0.65	7
8	2.35 -0.95	2.77 -1.10	2.90 -1.06	2.28 -0.84	3.07 1.08	4.25 1.49	4.25 0.63	3.49 -0.37	4.03 1.02	3.62 0.29	NR NR	3.21 -0.42	8
9	2.39 -1.06	2.75 -1.31	2.79 -1.18	2.13 -0.95	4.43 1.29	4.25 1.31	4.09 0.64	2.90 -0.48	4.06 1.29	4.00 -0.01	NR NR	3.47 -0.15	9
10	2.74 -1.10	2.61 -1.28	3.42 -1.02	2.28 -0.85	4.51 1.39	4.20 1.10	3.86 0.73	2.90 -0.05	4.26 1.23	3.77 -0.26	NR NR	3.32 -0.21	10
11	2.98 -0.97	2.58 -1.36	2.15 -0.46	2.47 -0.87	4.95 1.79	4.03 0.76	3.69 0.80	3.36 0.25	4.57 1.38	3.70 -0.44	NR NR	3.24 0.01	11
12	3.12 -0.82	2.00 -1.03	1.87 -1.32	3.23 -0.12	5.45 1.92	3.92 0.55	3.79 0.76	3.55 0.61	4.65 1.28	3.69 -0.50	NR NR	3.23 0.19	12
13	2.68 -0.93	1.65 -1.26	2.07 -1.32	4.21 0.42	5.31 2.94	3.96 0.61	3.51 0.51	3.83 0.50	4.59 1.17	3.77 -0.52	NR NR	3.31 0.44	13
14	2.64 -1.14	1.83 -1.41	2.83 -0.29	4.35 0.28	5.59 1.86	3.81 0.47	3.60 0.73	3.92 0.44	4.65 1.04	3.90 -0.26	NR NR	3.47 0.38	14
15	1.51 -1.30	2.19 -0.77	3.64 -0.06	4.28 1.34	6.17 2.04	3.71 1.26	3.65 0.77	4.06 0.38	4.59 0.94	3.77 -0.40	NR NR	3.63 0.34	15
16	1.88 -1.54	2.15 -0.88	3.38 -0.38	4.41 0.06	5.59 2.46	3.73 0.44	3.56 0.36	4.25 0.44	4.51 0.88	3.57 -0.52	NR NR	3.59 0.18	16
17	1.83 -1.34	2.34 -0.94	3.49 0.41	4.24 0.10	5.60 2.47	3.74 0.69	3.64 0.28	4.14 0.42	4.63 0.93	3.33 -0.58	NR NR	3.74 -0.21	17
18	1.99 -0.99	2.66 -0.43	3.54 -0.68	4.04 0.01	5.31 2.69	3.47 0.86	3.94 0.25	4.48 0.76	4.08 0.47	3.25 -0.36	NR NR	3.71 -0.32	18
19	2.08 -0.78	2.91 -0.99	4.09 -0.56	5.04 0.34	5.18 2.77	3.40 0.75	3.56 -0.13	4.30 0.64	3.81 0.45	2.87 -0.42	NR NR	3.86 -0.48	19
20	2.28 -0.48	2.98 -1.04	3.84 -0.22	5.03 1.27	4.92 2.50	3.67 0.79	3.44 -0.45	3.95 0.58	3.45 0.42	2.96 -0.32	NR NR	2.64 -0.39	20
21	2.36 -0.72	3.25 -1.11	3.50 -0.58	4.94 1.54	4.62 2.33	3.90 0.88	3.59 -0.09	3.80 0.71	3.22 0.05	3.25 0.10	NR NR	3.71 -0.43	21
22	2.52 -0.98	3.18 -1.04	2.94 -0.89	4.67 2.03	4.58 2.18	3.90 0.70	3.59 0.18	3.41 0.63	2.29 0.06	2.02 0.22	NR NR	3.60 -0.34	22
23	3.01 -1.11	3.07 -1.21	2.74 -1.07	4.80 2.23	4.75 2.21	3.52 0.72	3.49 0.16	3.47 0.81	3.40 0.39	3.51 0.09	4.10 -0.16	3.43 -0.19	23
24	3.22 -0.94	3.09 -1.12	2.90 -1.15	5.00 2.26	5.21 2.39	3.31 0.40	2.94 -0.44	3.63 0.71	3.79 0.48	3.97 -0.14	4.08 -0.34	3.27 -0.07	24
25	3.21 -0.84	2.24 -0.97	2.92 -0.57	5.46 2.59	4.39 2.12	3.22 0.44	2.59 -0.54	3.59 0.76	3.89 0.60	4.03 -0.36	3.69 -0.65	3.01 -0.13	25
26	3.12 -1.07	1.72 -1.54	2.99 -0.23	5.70 3.23	4.16 2.00	2.98 0.10	2.47 -0.41	3.57 1.13	4.19 0.20	4.20 -0.40	3.47 -0.56	3.34 0.03	26
27	2.82 -1.11	1.73 -1.53	2.74 -0.50	5.06 3.26	4.49 2.41	2.91 0.11	2.70 -0.34	4.00 1.23	4.42 0.17	4.28 -0.34	3.23 -0.55	3.71 0.38	27
28	3.00 -0.96	1.78 -1.37	3.10 -0.22	5.66 4.01	5.23 3.55	3.18 0.31	2.93 0.12	4.15 1.12	4.54 0.02	4.14 -0.31	3.01 -0.40	3.42 0.29	28
29	2.13 -0.89	1.97 -1.22	3.09 -0.55	4.78 3.51		3.56 0.56	3.31 0.37	4.45 1.05	4.42 -0.20	3.97 -0.26	2.90 -0.34	3.61 -0.14	29
30	2.48 -0.85	2.53 -0.83	3.12 -0.77	4.90 2.57		3.64 0.65	3.52 0.37	4.74 1.06	4.39 -0.23	3.73 -0.36	3.03 -0.18	3.46 -0.28	30
31	2.94 -0.93		3.10 0.76	4.70 2.33		3.85 1.41		5.05 1.24		3.34 -0.53	3.15 -0.05		31
MAXIMUM	3.22	3.25	4.09	5.70	6.17	5.00	4.80	5.05	5.97	4.36	NR	3.86	MAXIMUM
MINIMUM	-1.54	-1.54	-1.64	-1.16	1.02	0.10	-0.54	-0.48	-0.23	-0.58	NR	-0.65	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	1963 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 8-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

ROCK SLOUGH AT CONTRA COSTA CANAL INTAKE

in feet

STATION NO	WATER YEAR
B95220	1969

DATE	OCT.	NOV	DEC	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.31 2.26	5.32 2.26	6.00 2.23	6.34 4.14	7.52 4.40	7.62 5.80	6.47 3.61	6.87 3.01	8.73 4.16	7.34 2.63	6.01 2.30	6.43 2.83	1
2	6.20 2.38	5.58 2.38	5.58 1.60	6.28 2.21	7.04 4.34	7.57 4.53	6.56 3.57	6.91 2.90	8.60 3.93	6.98 2.48	5.94 2.41	6.54 2.82	2
3	6.10 2.60	6.02 2.95	5.39 2.80	6.16 2.10	6.73 3.79	7.45 4.65	6.97 3.55	7.22 2.90	8.15 3.59	6.53 2.24	6.14 2.53	6.84 2.79	3
4	5.89 2.61	6.01 2.56	5.73 1.40	6.03 1.99	6.95 3.59	7.11 4.49	6.84 3.32	7.15 2.61	7.71 3.43	6.14 2.33	6.29 2.77	6.81 2.87	4
5	5.57 2.55	5.90 2.29	5.94 1.66	5.93 1.91	6.87 3.87	6.91 4.27	7.62 3.73	7.22 2.63	7.17 3.26	6.25 2.47	6.38 2.46	5.68 2.82	5
6	5.50 2.56	5.95 2.09	5.84 1.72	5.80 1.93	7.49 4.49	7.04 4.35	7.40 3.36	7.38 2.96	6.55 3.09	6.42 2.68	4.87 2.35	6.65 2.65	6
7	5.60 2.35	6.06 1.96	6.05 1.63	5.87 1.93	6.89 4.10	6.92 3.99	7.06 3.05	7.50 3.03	6.71 3.09	5.18 3.15	6.51 2.37	6.33 2.29	7
8	5.69 2.22	5.97 2.03	6.01 1.98	5.49 2.25	6.88 3.85	6.97 3.82	7.06 3.07	6.36 2.32	6.80 3.26	6.82 3.14	6.53 2.25	6.32 2.51	8
9	5.73 2.10	5.97 1.85	5.90 1.87	5.35 2.15	7.29 4.03	7.02 3.72	6.91 3.03	5.81 2.24	6.83 3.51	7.01 2.83	6.59 2.35	6.56 2.77	9
10	6.04 2.07	5.80 1.91	6.43 2.03	5.50 2.26	7.31 3.81	6.97 3.47	6.63 3.06	5.84 2.73	7.05 3.35	6.84 2.61	6.67 2.40	6.41 2.71	10
11	6.21 2.22	5.73 1.78	5.27 2.58	5.74 2.26	7.78 4.19	6.82 3.13	6.49 3.14	6.31 3.15	7.33 3.45	6.81 2.46	6.75 2.53	6.34 2.95	11
12	6.30 2.38	5.18 2.06	5.00 1.71	6.45 3.07	8.19 4.35	6.72 2.89	6.54 3.25	6.54 3.42	7.41 3.32	6.81 2.39	6.59 2.37	6.33 3.11	12
13	5.91 2.24	5.03 1.80	5.23 1.71	7.44 3.48	8.08 4.22	6.73 2.95	6.30 3.10	6.78 3.23	7.35 3.20	6.87 2.42	6.45 2.42	6.41 3.38	13
14	5.83 2.05	5.13 1.72	6.01 2.80	7.47 3.35	8.34 4.52	6.59 2.83	6.38 3.38	6.81 3.02	7.45 3.13	7.00 2.64	6.42 2.55	6.55 3.34	14
15	5.14 1.85	5.47 2.33	6.81 3.03	7.42 3.08	8.94 5.90	6.49 2.85	6.44 3.22	6.90 2.91	7.38 3.09	6.84 2.49	6.12 2.52	6.70 3.28	15
16	4.75 1.64	5.42 2.22	6.51 2.64	7.54 4.47	8.34 4.77	6.49 3.68	6.37 2.87	7.06 2.91	7.33 3.04	6.66 2.38	5.91 2.55	6.69 3.15	16
17	5.14 1.83	5.63 2.19	6.57 2.30	7.37 3.10	8.32 4.90	6.49 3.04	6.49 2.91	6.95 2.80	7.45 3.20	6.40 2.30	6.21 2.99	6.82 2.75	17
18	5.32 2.13	5.93 2.14	6.69 3.55	7.42 3.01	8.08 5.13	6.22 3.22	6.79 2.84	7.31 3.14	6.90 2.76	6.28 2.49	6.35 3.15	6.79 2.66	18
19	5.33 2.29	6.19 2.91	7.21 2.37	8.26 3.45	7.93 5.23	6.17 3.16	6.42 2.52	7.08 2.92	6.65 2.83	5.93 2.45	6.48 2.99	6.95 2.50	19
20	5.61 2.43	6.25 2.06	6.94 2.72	8.29 4.32	7.67 4.96	6.44 3.29	6.31 2.32	6.74 2.81	6.31 2.87	6.11 2.65	6.56 2.70	6.80 2.54	20
21	5.68 2.57	6.47 1.92	6.64 2.40	8.03 4.55	7.39 4.72	6.66 3.28	6.41 2.54	6.60 2.99	6.05 2.55	6.40 3.06	6.80 2.38	5.60 2.46	21
22	5.85 2.14	6.37 1.99	6.15 2.13	7.69 5.00	7.35 4.61	6.71 3.14	6.42 2.89	6.28 2.93	6.22 2.63	6.71 3.27	5.42 2.53	6.72 2.57	22
23	6.16 2.02	6.28 1.84	5.89 1.96	7.60 5.11	7.55 4.69	6.31 3.00	6.39 2.92	5.94 3.17	5.09 3.06	5.22 3.10	7.31 2.89	6.58 2.71	23
24	6.34 2.08	6.26 1.92	6.12 2.03	7.77 5.02	8.03 4.97	6.10 2.70	5.83 2.21	6.43 3.03	6.62 3.25	7.13 2.89	7.24 2.62	6.46 2.80	24
25	6.48 2.13	5.37 2.04	6.09 2.54	8.28 5.48	7.22 4.53	6.04 2.74	5.47 2.15	6.37 3.19	6.73 3.18	7.22 2.63	6.93 2.34	6.18 2.81	25
26	6.37 2.08	4.93 1.55	6.19 2.87	8.57 6.05	6.89 4.26	5.82 2.55	5.32 2.27	6.37 3.47	7.05 2.74	7.41 2.58	6.73 2.42	6.49 3.08	26
27	6.08 1.98	4.93 1.53	5.98 2.63	7.87 5.76	7.21 4.57	5.74 2.55	5.59 2.53	6.77 3.55	7.27 2.70	7.51 2.65	6.50 2.42	6.82 3.37	27
28	6.26 2.13	5.01 1.67	6.34 2.84	8.30 5.99	7.94 4.91	6.03 2.78	5.83 3.01	6.92 3.36	7.40 2.52	7.36 2.64	6.25 2.57	6.56 3.25	28
29	5.44 2.24	5.19 1.85	6.25 2.47	7.56 5.02		6.33 3.08	6.24 3.27	7.21 3.21	7.32 2.43	7.24 2.67	6.10 2.64	6.70 2.82	29
30	5.77 2.24	5.72 2.21	6.27 2.26	7.68 6.02		6.39 3.22	6.48 3.10	7.51 3.19	7.34 2.46	6.98 2.61	6.20 2.81	6.52 2.74	30
31	5.38 2.19		6.24 2.23	7.45 4.79		6.60 3.60		7.80 3.34		6.54 2.42	6.29 2.96		31
MAXIMUM	6.48	6.47	7.21	8.57	8.94	7.62	7.62	7.80	8.73	7.51	7.31	6.95	MAXIMUM
MINIMUM	1.64	1.53	1.40	1.91	3.59	2,55	2.15	2.24	2.43	2.24	2.25	2.29	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
37 58 35	121 38 19	SW 34 2N 3E		10.4	12-26-1955		OCT 44-FEB 46	1944	1952	0.40	USCGS
							DEC 46-SEP 66	1952	1953	0.50	USCGS
							MAR 68-DATE	1953		-3.3	USCGS
									1964	-3.65	USCGS
								1964		-3.00	USCGS

Station located at Contra Costa Canal intake, approximately 1.5 miles northeast of Knightsen. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge. Station was discontinued October 4, 1966, and reactivated February 26, 1968.

TABLE 8-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

OLD RIVER NEAR ROCK SLOUGH

in feet

STATION NO	WATER YEAR
B95180	1969

DATE	OCT	NOV	DEC	JAN	FEB.	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1								7.46 3.78	9.22 4.84	NR NR	6.03 2.47	6.45 2.98	1
2								7.50 3.69	9.11 4.60	NR NR	3.97 2.56	6.56 2.96	2
3								7.63 3.71	8.64 3.65	6.54 2.39	6.19 2.71	6.88 2.93	3
4								7.63 3.39	7.64 3.50	6.14 2.48	6.32 2.93	6.84 3.02	4
5								7.71 3.34	7.12 3.33	6.26 2.63	6.41 2.61	5.72 2.97	5
6								7.67 3.68	6.65 3.15	6.43 2.83	4.91 2.52	6.68 2.80	6
7								7.99 3.73	5.93 3.16	5.18 3.26	6.54 2.53	6.36 2.41	7
8								6.87 3.04	6.73 3.33	6.82 3.26	6.56 2.42	6.35 2.66	8
9								6.33 2.93	6.75 3.55	7.02 2.95	6.63 2.49	6.59 2.93	9
10								6.36 3.39	NR NR	6.66 2.76	6.70 2.56	6.44 2.66	10
11								6.82 3.83	NR NR	6.83 2.61	6.78 2.71	6.36 3.09	11
12								7.04 4.08	NR NR	6.83 2.53	6.62 2.55	6.35 3.25	12
13								7.28 3.91	NR NR	6.90 2.56	6.48 2.59	6.44 3.54	13
14								7.30 3.68	NR NR	7.01 2.79	6.44 2.72	6.58 3.49	14
15								5.70 3.65	NR NR	6.86 2.65	6.16 2.71	6.73 3.42	15
16								7.70 3.67	NR NR	6.68 2.54	5.94 2.71	6.70 3.29	16
17								7.58 3.57	NR NR	6.41 2.44	6.26 3.16	6.84 2.69	17
18								7.94 3.88	NR NR	6.30 2.64	6.38 3.34	6.61 2.78	18
19								7.62 3.63	NR NR	5.93 2.63	6.51 3.14	6.98 2.63	19
20								7.28 3.54	NR NR	6.13 2.81	6.59 2.85	6.83 2.70	20
21								7.15 3.70	NR NR	6.43 3.21	6.84 2.54	5.62 2.62	21
22								6.84 3.63	NR NR	6.74 3.42	7.34 2.68	6.74 2.72	22
23								6.53 3.85	NR NR	7.15 3.23	5.79 3.03	6.59 2.87	23
24							NR NR	6.98 3.73	NR NR	5.32 3.02	7.27 2.83	6.47 2.99	24
25							6.08 2.90	6.92 3.90	NR NR	7.24 2.79	6.96 2.50	6.20 2.97	25
26							5.97 3.05	6.90 4.22	NR NR	7.43 2.75	6.76 2.59	6.51 3.25	26
27							6.19 3.27	7.30 4.24	NR NR	7.52 2.84	6.52 2.59	6.85 3.53	27
28							6.43 3.77	7.44 4.06	NR NR	7.38 2.82	6.28 2.74	6.58 3.41	28
29							6.85 4.02	7.74 3.93	NR NR	7.25 2.86	6.12 2.80	6.72 2.97	29
30							7.07 3.89	8.01 3.87	NR NR	7.00 2.78	6.22 2.94	6.54 2.90	30
31								8.31 4.02		6.57 2.62	6.31 3.11		31
MAXIMUM							NR	8.31	NR	NR	7.34	6.98	MAXIMUM
MINIMUM							NR	2.93	NR	NR	2.42	2.41	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.O.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
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
894175	1969

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	DATE
1	3.49 -0.08	2.71 0.02	3.26 0.31	3.55 -0.11	9.21 A 8.89 A	9.53 A 8.54 A	6.22 5.50	6.12 5.66	6.03 4.98	4.39 0.65	3.41 0.43	3.78 1.02	1
2	3.40 0.04	2.90 0.01	2.76 -0.09	3.48 -0.18	8.88 A 8.59 A	9.70 A 9.27 A	6.10 5.75	6.09 5.64	6.03 5.06	4.10 0.43	3.35 0.36	3.87 0.99	2
3	3.32 0.26	3.36 0.06	2.67 -0.68	3.38 -0.37	8.58 A 8.34 A	9.25 A 8.63 A	6.25 5.79	6.20 5.70	5.74 4.76	3.72 0.07	3.54 0.44	4.08 0.97	3
4	3.11 0.20	3.32 0.31	2.99 -0.84	3.23 -0.51	8.28 A 8.13 A	8.56 8.32	6.35 5.95	6.16 5.58	5.46 4.56	3.44 0.40	3.63 0.67	4.08 1.05	4
5	2.82 0.11	3.24 0.37	3.18 -0.57	3.14 -0.63	7.84 A 7.71 A	8.09 7.79	6.50 5.99	6.07 5.42	5.17 4.13	3.59 0.63	3.70 0.35	2.99 1.04	5
6	2.76 0.03	3.26 -0.04	3.10 -0.52	3.02 -0.63	9.00 A 7.72 A	7.66 7.32	8.54 A 6.09 A	5.97 5.23	4.76 3.84	2.53 0.63	2.21 0.31	3.95 0.96	6
7	2.79 -0.11	3.31 -0.22	3.31 -0.58	3.07 -0.65	9.71 A 9.01 A	7.23 6.88	8.77 A 8.26 A	5.87 4.87	4.66 3.67	3.71 1.02	3.80 0.41	3.65 0.65	7
8	2.90 -0.74	3.21 -0.21	3.23 -0.26	2.70 -0.36	9.50 A 8.63 A	6.93 6.55	8.25 A 7.57 A	5.22 4.52	4.63 3.60	4.03 1.12	3.81 0.29	3.68 0.81	8
9	2.93 -0.99	3.21 -0.38	3.15 -0.41	2.58 -0.47	8.62 A 8.03 A	6.71 6.32	7.59 6 98	5.01 4.50	4.60 3.63	4.20 0.90	3.85 0.40	3.89 1.00	9
10	3.26 -0.77	3.03 -0.37	3.68 -0.24	2.71 -0.43	8.03 A 7.70 A	6.58 6.23	7.05 6.55	5.31 4.94	4.65 3.23	4.07 0.71	3.94 0.51	3.77 0.93	10
11	3.40 -0.19	3.03 -0.51	2.58 0.28	2.96 -0.43	7.81 A 7.38 A	6.77 6.29	6.67 6.27	5.62 5.28	4.59 2.67	4.06 0.59	4.03 0.61	3.73 1.13	11
12	3.43 -0.05	2.38 -0.26	2.41 -0.40	3.64 0.31	9.36 A 7.38 A	6.36 5.68	6.53 6.34	5.77 5.46	4.62 2.35	4.05 0.53	3.87 0.45	3.71 1.26	12
13	3.09 -0.17	2.09 -0.64	2.77 0.02	4.72 2.13	9.55 A 8.94 A	5.97 5.67	6.41 6.18	6.00 5.65	4.50 1.66	4.10 0.61	3.79 0.55	3.84 1.47	13
14	3.05 -0.77	2.45 -0.67	3.42 0.90	8.59 A 2.57 A	8.92 A 8.08 A	6.07 5.51	6.45 6.16	6.15 5.73	4.52 1.49	4.21 0.78	3.77 0.69	3.91 1.44	14
15	1.99 -0.93	2.75 0.01	4.18 1.03	9.11 A 8.05 A	8.53 A 7.96 A	6.01 5.69	6.37 6.10	6.15 5.69	4.46 1.40	4.07 0.58	3.51 0.59	4.05 1.42	15
16	2.43 -0.70	2.73 -0.11	3.77 1.11	8.01 A 5.77 A	9.57 A 8.53 A	5.86 5.55	6.38 6.03	6.12 5.59	4.38 1.30	3.91 0.48	3.51 0.60	4.03 1.37	16
17	2.43 -0.51	2.93 -0.03	3.81 0.96	5.72 A 4.31 A	9.48 A 8.89 A	5.79 5.47	6.28 5.89	6.00 5.49	4.56 1.49	3.68 0.31	3.58 1.01	4.17 1.00	17
18	2.62 -0.73	3.21 0.27	3.86 0.59	4.99 3.45	8.88 A 8.49 A	5.73 5.44	6.27 5.81	6.15 5.59	4.02 0.99	3.57 0.47	3.71 1.05	4.07 0.97	18
19	2.59 -0.15	3.42 -0.06	4.20 0.24	7.19 A 3.51 A	9.06 A 8.65 A	5.61 5.12	6.13 5.73	6.08 5.50	3.81 0.92	3.23 0.40	3.80 0.97	4.24 0.86	19
20	2.90 0.08	3.47 -0.05	3.95 0.34	10.94 A 7.24 A	8.94 A 8.69 A	5.35 4.93	6.10 5.67	5.91 5.34	3.53 0.91	3.47 0.56	3.85 0.74	3.07 0.98	20
21	2.94 0.01	3.65 -0.18	3.72 0.00	13.08 A 10.97 A	8.68 A 8.22 A	5.43 4.98	6.09 5.60	5.79 5.25	3.27 0.54	3.70 0.79	4.07 0.50	4.11 0.88	21
22	3.06 -0.71	3.57 -0.10	3.30 -0.36	13.81 A 13.10 A	8.22 A 7.77 A	5.88 5.34	6.12 5.78	5.63 5.10	2.42 0.53	3.97 0.97	2.82 0.65	4.04 0.94	22
23	3.29 -0.95	3.47 -0.27	3.06 -0.67	13.75 A 11.58 A	7.87 A 7.60 A	5.67 5.11	6.40 6.07	5.49 5.04	3.43 0.89	2.59 0.96	4.48 1.08	3.93 1.04	23
24	3.44 -0.77	3.50 -0.18	3.37 -0.55	11.55 A 9.82 A	9.13 A 7.73 A	5.40 4.88	6.39 6.21	5.48 4.85	3.79 0.97	4.33 0.90	4.48 1.02	3.85 1.14	24
25	3.57 -0.79	2.63 -0.14	3.37 -0.01	10.69 A 9.77 A	9.72 A 9.13 A	5.33 4.80	6.47 6.05	5.29 4.77	3.95 1.09	4.41 0.72	4.20 0.62	3.63 1.20	25
26	3.49 -0.24	2.22 -0.72	3.57 0.77	12.51 A 10.72 A	9.74 A 9.61 A	5.25 4.74	6.20 5.72	5.23 4.75	4.12 0.68	4.57 0.79	4.06 0.74	3.92 1.36	26
27	3.27 -0.73	2.24 -0.72	3.57 1.42	13.07 A 12.53 A	9.78 A 9.17 A	5.21 4.77	5.93 5.53	5.33 4.76	4.30 0.60	4.65 0.94	3.88 0.69	4.19 1.60	27
28	3.43 -0.25	2.31 -0.67	3.72 0.88	12.55 A 10.73 A	9.16 A 8.58 A	5.33 4.93	5.81 5.50	5.35 4.80	4.41 0.48	4.54 0.90	3.69 0.79	3.95 1.61	28
29	2.72 -0.10	2.49 -0.59	3.54 1.07	10.72 A 9.97 A		5.56 5.25	5.87 5 52	5.45 4.85	4.34 0.36	4.45 0.91	3.52 0.81	4.04 1.17	29
30	3.02 -0.12	2.98 -0.11	3.53 0.40	9.96 A 9.48 A		5.72 5.18	5.93 5.61	5.53 4.70	4.36 0.46	4.25 0.81	3.62 0.94	3.84 1.06	30
31	2.71 -0.18		3.45 0.07	9.48 A 9.20 A		5.80 5.37		5.50 4.66		3.87 0.57	3.69 1.07		31
MAXIMUM	3.57	3.65	4.20	13.81	9.78	9.70	8.77	6.20	6.03	4.65	4.48	4.24	MAXIMUM
MINIMUM	-0.99	-0.72	-0.84	-0.65	7.38	4.74	5.50	4.50	0.56	0.07	0.29	0.65	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

SOUTH FORK MOKELUMNE RIVER AT NEW HOPE BRIDGE

in feet

STATION NO.	WATER YEAR
B94150	1969

DATE	OCT.	NOV	DEC.	JAN.	FEB.	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	3.67 -0.02	2.70 -0.09	3.39 -0.08	3.56 -0.37	5.15 3.37	5.16 3.45	3.87 1.46	4.34 1.03	NR NR	4.62 0.47	3.43 0.16	3.84 0.79	1
2	3.56 0.11	2.95 0.00	2.85 0.26	3.50 -0.38	4.60 3.11	5.40 3.42	3.91 1.44	4.32 0.91	NR NR	4.28 0.29	3.38 0.19	3.92 0.76	2
3	3.47 0.31	3.66 0.50	2.25 -0.65	3.40 -0.51	4.25 2.47	4.96 3.61	4.32 1.45	4.67 1.14	NR NR	3.81 -0.03	3.58 0.28	4.16 0.73	3
4	3.26 0.28	3.38 0.31	3.08 -0.81	3.26 -0.62	4.39 2.17	4.50 2.90	4.18 1.31	4.53 0.73	4.89 1.19	3.45 0.10	3.68 0.55	4.13 0.85	4
5	2.95 0.18	3.26 0.09	3.28 -0.56	3.15 -0.72	4.48 2.31	4.62 2.60	4.92 1.65	4.57 0.62	4.44 0.99	3.60 0.27	3.77 0.23	3.07 0.83	5
8	2.88 0.12	NR NR	3.17 -0.51	3.03 -0.70	4.92 2.79	4.39 2.40	4.76 1.64	4.71 1.03	3.81 0.70	3.74 0.31	2.22 0.18	4.01 0.70	6
7	2.92 -0.02	NR NR	3.39 -0.59	3.08 -0.70	4.65 2.86	4.29 2.04	4.56 1.72	4.86 1.01	3.92 0.69	2.46 0.75	3.89 0.25	3.70 0.34	7
8	3.02 -0.14	NR NR	3.32 -0.28	2.70 -0.46	4.65 2.88	4.33 1.85	4.44 1.65	3.70 0.27	3.96 0.79	4.10 0.79	3.90 0.13	3.71 0.53	8
9	3.04 -0.22	NR NR	3.22 -0.40	2.56 -0.53	4.73 2.47	4.35 1.83	4.24 1.23	3.18 0.12	3.97 0.97	4.28 0.54	3.96 0.25	3.94 0.76	9
10	3.40 -0.26	NR NR	3.29 -0.23	2.70 -0.63	4.72 2.12	4.30 1.53	3.96 1.15	3.22 0.58	4.17 0.83	4.16 0.35	4.05 0.34	3.81 0.69	10
11	3.54 -0.11	NR NR	2.62 0.29	2.97 -0.40	5.16 2.49	4.19 1.25	3.83 1.16	3.70 1.01	4.62 0.84	4.13 0.25	4.15 0.44	3.77 0.90	11
12	3.55 0.03	NR NR	2.39 -0.43	3.66 0.33	5.60 3.21	3.98 0.88	3.92 1.25	4.01 1.31	4.58 1.26	4.12 0.18	3.98 0.28	3.73 1.01	12
13	3.18 -0.11	2.13 -0.59	2.77 -0.08	4.69 1.11	5.68 4.07	3.97 0.88	3.67 1.17	4.26 1.20	4.51 1.06	4.18 0.22	3.87 0.35	3.87 1.23	13
14	3.10 -0.27	2.48 -0.61	3.48 0.85	5.01 1.84	5.71 3.28	3.90 0.82	3.87 1.32	4.22 1.02	4.59 1.00	4.29 0.43	3.83 0.48	3.97 1.18	14
15	2.67 -0.44	2.80 0.02	4.29 0.93	5.09 2.80	6.32 3.15	3.80 1.56	3.83 1.09	4.24 0.89	4.52 0.96	4.13 0.27	3.55 0.42	4.11 1.18	15
16	2.07 -0.66	2.80 -0.11	3.76 0.11	5.04 1.90	5.86 3.62	3.82 0.79	3.78 0.90	4.38 0.88	4.43 0.89	3.97 0.17	3.32 0.42	4.10 1.07	16
17	2.48 -0.47	3.01 -0.03	3.76 0.76	4.77 1.27	5.79 3.87	3.79 0.96	3.89 1.01	4.23 0.79	4.63 1.05	3.22 0.04	3.63 0.83	4.24 0.75	17
18	2.70 -0.22	3.33 -0.07	3.87 -0.18	4.90 0.90	5.46 3.73	3.60 1.06	4.18 0.88	4.63 1.20	4.05 0.60	3.60 0.20	3.79 0.92	4.13 0.69	18
19	2.68 -0.10	3.58 0.48	4.33 -0.06	5.75 1.49	5.39 3.64	3.51 0.90	3.80 0.63	4.39 0.81	3.84 0.62	3.24 0.15	3.88 0.84	4.31 0.57	19
20	3.00 0.08	3.64 -0.06	4.04 0.08	6.35 2.77	5.15 3.51	3.75 0.99	3.71 0.44	4.02 0.72	3.53 0.66	3.69 0.30	3.94 0.59	4.16 0.66	20
21	3.05 0.12	3.84 -0.21	3.79 -0.18	7.67 4.88	4.84 3.04	3.94 0.99	3.76 0.56	3.88 0.81	3.27 0.27	3.76 0.62	4.18 0.33	3.02 0.53	21
22	3.20 -0.16	3.75 -0.12	3.34 -0.47	7.85 6.70	4.73 2.79	4.00 0.99	3.89 0.94	3.74 2.35	3.43 0.31	4.07 0.83	2.82 0.46	4.10 0.61	22
23	3.46 -0.27	3.63 -0.30	3.07 -0.69	7.75 6.54	4.96 2.76	3.60 0.58	3.77 0.98	NR NR	2.34 0.75	4.49 0.78	4.62 0.86	3.98 0.73	23
24	3.64 -0.23	3.64 -0.18	3.60 -0.56	6.52 5.09	5.47 3.33	3.32 0.44	3.24 0.34	NR NR	3.85 0.83	2.65 0.65	4.62 0.75	3.89 0.78	24
25	3.79 -0.20	2.69 -0.14	3.38 -0.07	6.24 4.65	5.12 3.67	3.32 0.44	2.91 0.22	NR NR	4.03 0.91	4.54 0.45	4.34 0.37	3.63 0.76	25
26	3.69 -0.17	2.27 -0.71	3.49 0.27	7.41 5.73	5.00 3.52	3.13 0.30	2.78 0.30	NR NR	4.25 0.48	4.75 0.47	4.17 0.42	3.95 0.97	26
27	3.40 -0.27	2.29 -0.70	3.35 0.16	7.85 6.73	5.28 3.56	3.05 0.30	2.99 0.67	NR NR	4.50 0.61	4.85 0.58	3.97 0.44	4.24 1.23	27
28	3.57 -0.19	2.37 -0.63	3.69 0.26	7.52 6.89	5.50 4.29	3.30 0.54	3.23 0.93	NR NR	4.63 0.26	4.23 0.54	3.76 0.58	3.98 1.20	28
29	3.11 -0.05	2.57 -0.54	3.52 -0.08	6.22 5.62		3.65 0.90	3.71 1.11	NR NR	4.56 0.15	4.63 0.58	3.55 0.61	4.08 0.78	29
30	2.79 -0.07	3.08 -0.08	3.51 -0.30	5.74 4.74		3.73 1.02	3.90 1.10	NR NR	4.60 0.26	4.38 0.50	3.65 0.71	3.87 0.69	30
31	2.73 -0.16		3.65 1.07	5.22 3.92		3.98 1.68		NR NR		3.95 0.31	3.73 0.87		31
MAXIMUM	3.79	NR	4.33	7.85	6.32	5.40	4.92	NR	NR	4.85	4.62	4.31	MAXIMUM
MINIMUM	-0.66	NR	-0.81	-0.72	2.12	0.30	0.22	NR	NR	-0.03	0.13	0.34	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

NORTH FORK MOKELUMNE RIVER NEAR ISLETON

in feet

STATION NO	WATER YEAR
B94115	1969

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	5.53 2.62	5.54 2.58	NR NR	6.51 4.33	7.66 4.99	7.69 4.99	6.57 3.92	7.06 3.44	8.75 4.47	7.51 3.00			1
2	6.43 2.76	5.81 2.72	NR NR	6.42 2.54	7.16 4.88	7.69 5.65	6.62 3.91	7.07 3.30	8.61 4.21	7.16 2.84			2
3	6.34 2.99	6.31 2.98	NR NR	6.34 2.41	6.83 4.32	7.46 5.61	7.05 3.88	7.41 3.47	8.13 3.83	6.67 2.53			3
4	6.12 2.98	6.23 3.49	5.92 1.77	6.20 2.33	7.02 4.11	7.08 4.78	6.90 3.68	7.29 3.07	7.69 3.72	6.29 2.68			4
5	5.80 2.89	6.11 2.69	6.14 2.05	6.09 2.23	7.07 4.39	7.02 4.64	7.67 4.07	7.34 3.00	7.20 3.55	6.45 2.87			5
6	5.73 2.88	6.16 2.52	6.04 2.10	5.96 2.24	7.59 4.99	7.03 4.67	7.49 3.79	7.49 3.43	6.74 3.32	6.60 2.98			6
7	5.81 2.71	6.25 2.36	6.26 2.01	6.03 2.25	7.00 4.65	6.94 4.33	7.16 3.55	7.62 3.47	6.03 3.36	5.30 3.40			7
8	5.91 2.59	6.15 2.41	6.16 2.34	5.63 2.50	7.00 4.47	7.03 4.17	7.10 3.50	6.47 2.73	6.77 3.52	6.98 3.44			8
9	5.94 2.50	6.16 2.25	6.08 2.22	5.50 2.44	7.36 4.49	7.06 4.02	6.95 3.42	5.94 2.61	6.79 3.68	7.18 3.15			9
10	6.29 2.46	5.94 2.30	6.64 2.39	5.64 2.55	7.39 4.21	7.03 3.86	6.67 3.42	5.98 3.09	7.01 3.50	7.02 2.94			10
11	6.45 2.59	5.92 2.16	5.46 2.93	5.92 2.58	7.88 4.57	6.90 3.55	6.53 3.50	6.46 3.53	7.30 3.58	7.00 2.82			11
12	6.45 2.75	NR NR	5.19 2.09	6.63 3.32	8.29 4.86	6.71 3.20	6.60 3.62	6.74 3.79	7.41 3.56	7.00 2.74			12
13	6.06 2.59	NR NR	5.51 2.19	7.65 3.86	8.12 4.78	6.74 3.26	6.37 3.54	6.96 3.64	7.36 3.42	7.07 2.79			13
14	5.97 2.43	NR NR	6.26 3.28	7.72 3.94	8.39 5.05	6.61 3.16	6.53 3.74	6.94 3.42	7.45 3.35	7.17 3.00			14
15	5.33 2.23	NR NR	7.10 3.48	7.69 3.77	9.03 6.29	6.50 3.16	6.52 3.49	6.98 3.29	7.40 3.34	7.03 2.86			15
16	4.93 2.00	NR NR	6.66 2.98	7.78 4.88	8.42 5.32	6.52 3.95	6.46 3.26	7.12 3.30	7.32 3.29	6.85 2.76			16
17	5.34 2.19	NR NR	6.71 2.67	7.60 3.65	8.37 5.46	6.49 3.85	6.60 3.34	7.00 3.18	7.49 3.46	6.58 2.63			17
18	5.55 2.48	NR NR	6.85 3.84	7.80 3.51	8.10 5.61	6.29 3.52	6.91 3.25	7.38 3.60	6.90 3.05	6.46 2.83			18
19	5.53 2.61	NR NR	7.36 2.82	8.59 4.10	7.99 5.68	6.21 3.42	6.53 2.94	7.14 3.23	6.69 3.10	6.09 2.80			19
20	5.86 2.77	NR NR	7.06 2.99	8.76 4.99	7.71 5.44	6.48 3.56	6.44 2.78	6.78 3.17	6.38 3.16	6.34 2.98			20
21	5.92 2.87	NR NR	6.79 2.74	8.68 5.57	7.44 5.12	6.69 3.52	6.51 2.93	6.65 3.28	6.11 2.80	6.63 3.34			21
22	6.08 2.53	NR NR	6.31 2.47	8.34 6.29	7.39 4.99	6.75 3.44	6.60 3.34	6.36 3.21	6.28 2.89	6.96 3.59			22
23	6.36 2.40	NR NR	6.03 2.27	8.20 6.32	7.66 5.03	6.35 3.09	6.49 3.37	6.05 3.43	6.72 3.38	7.36 3.42			23
24	6.54 2.44	NR NR	6.33 2.36	8.11 5.87	8.11 5.45	6.12 2.93	6.00 2.60	6.49 3.32	4.92 3.51	5.46 3.23			24
25	6.70 2.47	NR NR	6.33 2.88	8.49 6.05	7.44 5.09	6.11 2.98	5.59 2.51	6.40 3.43	6.89 3.50	7.44 3.02			25
26	6.59 2.48	NR NR	6.37 3.19	9.00 6.93	7.13 4.81	5.90 2.82	5.46 2.66	6.37 3.72	7.14 3.03	7.65 3.00			26
27	6.30 2.40	NR NR	6.20 3.00	8.46 6.73	7.50 5.11	5.82 2.82	5.70 2.89	6.78 3.80	7.39 2.97	7.74 3.09			27
28	6.47 2.49	NR NR	6.59 3.15	8.80 6.71	8.04 5.32	6.06 3.05	5.96 3.43	6.90 3.60	7.52 2.78	7.61 3.06			28
29	5.99 2.62	NR NR	6.44 2.82	7.89 5.76		6.37 3.39	6.43 3.65	7.18 3.48	7.44 2.67				29
30	5.67 2.62	NR NR	6.43 2.62	7.85 6.51		6.45 3.51	6.63 3.55	7.47 3.43	7.49 2.78				30
31	5.59 2.54		6.39 2.56	7.60 5.34		6.68 3.99		7.79 3.59					31
MAXIMUM	6.70	NR	NR	9.00	9.03	7.69	7.67	7.79	8.75	NR			MAXIMUM
MINIMUM	2.00	NR	NR	2.23	4.11	2.82	2.51	2.61	2.67	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		
39 10 02	121 32 00	NW 34 4N 4E					FEB 1968-DATE	1968		2.95	USCGS

Station located on Staten Island 4.3 miles east of Isleton. Station located in tidal zone. Station installed in cooperation with the U. S. Corps of Engineers. Station discontinued 7-28-69.

TABLE B-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

LITTLE POTATO SLOUGH AT TERMINOUS

in feet

STATION NO	WATER YEAR
11194120	1969

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	2.54 -0.52	2.55 -0.55	3.27 -0.58	3.52 1.26	4.65 1.69	4.70 1.70	3.57 0.76	4.06 0.24	5.81 1.28	4.53 -0.15	3.23 -0.46		1
2	3.43 -0.39	2.81 -0.43	2.74 -0.05	3.46 -0.59	4.16 1.63	4.67 2.38	3.64 0.74	4.09 0.12	5.68 1.04	4.16 -0.32	3.20 -0.38		2
3	3.34 -0.14	3.31 -0.18	2.59 -0.07	3.36 -0.71	3.82 1.09	4.48 1.85	4.07 0.69	4.45 0.23	5.18 0.69	3.69 -0.59	3.42 -0.22		3
4	3.12 -0.17	3.24 0.37	2.93 -1.39	3.22 -0.81	4.03 0.87	4.14 1.57	3.92 0.50	4.33 -0.14	4.74 0.56	3.31 -0.49			4
5	2.83 -0.26	3.12 -0.48	3.14 -1.11	3.11 -0.90	4.01 1.17	4.03 1.43	4.70 0.83	4.35 -0.18	4.26 0.42	3.46 -0.23			5
6	2.74 -0.23	3.17 -0.64	3.04 -1.06	2.99 -0.88	4.58 1.77	4.07 1.49	4.50 0.55	4.31 0.27	3.77 0.19	3.62 -0.13			6
7	2.83 -0.41	3.26 -0.79	3.25 -1.15	3.04 -0.88	3.97 1.38	3.95 1.16	4.16 0.27	4.66 0.30	3.06 0.24	2.31 0.29			7
8	2.92 -0.53	3.15 -0.74	3.18 -0.83	2.65 -0.58	3.97 1.16	4.03 0.99	4.10 0.27	3.48 -0.42	3.82 0.41	4.00 0.30			8
9	2.95 -0.64	3.15 -0.91	3.07 -0.94	2.53 -0.67	4.36 1.27	4.07 0.99	3.95 0.22	2.97 -0.53	3.83 0.55	4.17 0.00			9
10	3.29 -0.69	2.97 -0.88	3.63 -0.78	2.67 -0.56	4.38 1.00	4.04 0.68	3.70 0.24	3.00 -0.06	4.05 0.39	4.02 -0.21			10
11	3.45 -0.54	2.95 -0.99	2.43 -0.22	2.94 -0.53	4.86 1.37	3.90 0.33	3.53 0.32	3.48 0.41	4.36 0.46	4.00 -0.33			11
12	3.45 -0.40	2.35 -0.69	2.19 -1.07	3.65 0.22	5.31 1.58	3.72 0.03	3.64 0.44	3.74 0.65	4.45 0.39	4.00 -0.42			12
13	3.06 -0.54	2.14 -1.03	2.47 -1.03	4.64 0.70	5.12 1.46	3.76 0.08	3.38 0.33	3.99 0.46	4.37 0.24	4.07 -0.37			13
14	3.00 -0.70	2.33 -1.08	3.23 0.05	4.74 0.69	5.39 2.67	3.64 -0.05	3.54 0.57	3.98 0.25	4.46 0.18	4.19 -0.16			14
15	2.35 -0.90	2.66 -0.47	4.09 0.25	4.68 0.45	6.04 1.72	3.53 -0.03	3.55 0.36	4.00 0.09	4.41 0.16	4.04 -0.30			15
16	1.95 -1.13	2.64 -0.58	3.71 -0.14	4.78 1.71	5.42 2.03	3.54 0.19	3.48 0.07	4.15 0.11	4.33 0.16	3.86 -0.41			16
17	2.35 -0.95	2.84 -0.58	3.73 -0.48	4.58 0.41	5.38 2.14	3.53 0.68	3.62 0.17	4.02 0.00	4.50 0.31	3.60 -0.52			17
18	2.55 -0.65	3.16 -0.66	3.87 0.73	4.69 0.31	5.12 2.34	3.31 0.35	3.93 0.09	4.40 0.44	3.93 -0.10	3.47 -0.31			18
19	2.54 -0.52	3.43 0.07	4.39 -0.31	5.54 0.82	4.99 2.45	3.24 0.25	3.55 -0.25	4.17 0.04	3.71 -0.03	3.10 -0.34			19
20	2.87 -0.36	3.48 -0.68	4.10 -0.13	5.53 1.70	4.72 2.19	3.50 0.41	3.45 -0.43	3.80 0.00	3.38 0.04	3.34 -0.15			20
21	2.93 -0.25	3.70 -0.85	3.81 -0.41	5.41 2.07	4.43 1.91	3.71 0.37	3.52 -0.23	3.66 0.14	3.13 -0.32	3.64 0.24			21
22	3.09 -0.63	3.60 -0.79	3.34 -0.67	5.01 2.65	4.37 1.80	3.76 0.27	3.62 0.21	3.36 0.09	3.32 -0.24	3.96 0.45			22
23	3.35 -0.75	3.48 -0.94	3.05 -0.86	4.85 2.64	4.65 1.86	3.36 -0.02	3.47 0.21	3.05 0.32	2.22 0.29	4.38 0.30			23
24	3.55 -0.71	3.49 -0.81	3.33 -0.83	4.93 2.38	5.10 2.21	3.13 -0.21	2.97 -0.53	3.51 0.21	3.75 0.41	2.48 0.09			24
25	3.70 -0.68	2.54 -0.71	3.34 -0.27	5.44 2.77	4.37 1.80	3.12 -0.16	2.60 -0.64	3.42 0.32	3.95 0.39	4.44 -0.15			25
26	3.59 -0.69	2.11 -1.25	3.40 0.06	5.79 3.46	4.04 1.50	2.90 -0.31	2.48 -0.49	3.39 0.60	4.16 -0.14	4.63 -0.18			26
27	3.29 -0.76	2.14 -1.24	3.19 -0.13	5.13 3.16	4.37 1.80	2.82 -0.32	2.72 -0.27	3.81 0.66	4.40 -0.18	4.73 -0.09			27
28	3.48 -0.65	2.20 -1.12	3.56 0.04	5.57 3.30	5.03 2.07	3.07 -0.10	2.97 0.25	3.95 0.44	4.55 -0.36	4.60 -0.11			28
29	3.00 -0.53	2.42 -0.98	3.45 -0.30	4.74 2.36		3.40 0.23	3.44 0.48	4.24 0.33	4.46 -0.48	4.50 -0.07			29
30	2.69 -0.51	2.93 -0.58	3.45 -0.51	4.78 2.73		3.49 0.35	3.64 0.39	4.53 0.27	4.50 -0.40	4.24 -0.15			30
31	2.60 -0.59		3.41 -0.57	4.57 2.03		3.72 0.82		4.84 0.42		3.80 -0.33			31
MAXIMUM	3.70	3.70	4.39	5.79	6.04	4.70	4.70	4.84	5.81	4.73			MAXIMUM
MINIMUM	-1.13	-1.25	-1.39	-0.90	0.87	-0.32	-0.64	-0.55	-0.48	-0.59			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 06 53	121 29 47	NE 14 3N 4E					FEB 1968-DATE	1968		-0.11	USCGS

Station located at State Highway 12 at Terminous. Station located in tidal zone. Station installed in cooperation with the U. S. Corps of Engineers. Station discontinued 8-4-69.

TABLE 8-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

SOUTH FORK MOKELUMNE RIVER NEAR HOG SLOUGH

in feet

STATION NO.	WATER YEAR
894130	1969

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	7.34 3.33	6.56 3.29	7.26 3.26	7.51 5.11	8.69 5.68	8.71 6.86	7.63 4.65	8.10 4.14	9.63 5.20	8.54 3.71	7.30 3.40		1
2	7.43 3.45	6.83 3.42	6.74 3.78	7.45 3.25	8.17 5.60	8.69 5.67	7.69 4.63	8.12 4.00	9.69 4.96	8.20 3.54	7.25 3.49		2
3	7.35 3.70	7.33 3.97	6.60 2.66	7.35 3.13	7.83 5.04	8.49 5.84	8.11 4.58	8.47 4.18	9.20 4.59	7.72 3.26	7.46 3.66		3
4	7.13 3.67	7.25 3.67	6.93 2.52	7.22 3.02	8.04 4.82	8.14 5.47	7.96 4.41	8.36 3.76	8.77 4.47	7.34 3.38			4
5	6.82 3.60	7.13 3.38	7.15 2.74	7.10 2.93	8.10 5.10	8.07 5.36	8.72 4.76	8.37 3.69	8.29 4.32	7.49 3.62			5
6	6.76 3.60	7.18 3.20	7.03 2.79	6.98 2.95	8.61 5.70	8.09 5.39	8.53 4.48	8.52 4.19	7.65 4.10	7.65 3.74			6
7	6.82 3.41	7.26 3.06	7.24 2.68	7.03 2.96	7.99 5.35	7.99 5.06	8.19 4.23	8.68 4.20	7.77 4.14	6.31 4.16			7
8	6.92 3.29	7.16 3.11	7.17 3.03	6.64 3.23	7.97 5.15	8.07 4.90	8.11 4.20	7.52 3.46	7.79 4.30	8.00 4.18			8
9	6.94 3.19	7.14 2.94	7.05 2.91	6.52 3.16	8.37 5.22	8.10 4.91	7.95 4.15	6.97 3.35	7.85 4.43	8.19 3.87			9
10	7.29 3.16	6.94 2.99	7.64 3.10	6.67 3.27	8.41 4.94	8.06 4.60	7.70 4.16	7.02 3.84	8.05 4.26	8.04 3.66			10
11	7.43 3.30	6.90 2.87	6.45 3.63	6.94 3.32	8.89 5.32	7.92 4.27	7.57 4.23	7.50 4.30	8.36 4.33	8.03 3.54			11
12	7.41 3.45	6.31 3.16	6.18 2.79	7.64 4.10	9.33 5.55	7.73 3.93	7.68 4.34	7.79 4.54	8.45 4.30	8.03 3.44			12
13	7.03 3.32	6.07 2.80	6.51 2.86	8.65 4.57	9.15 5.44	7.76 3.97	7.42 4.26	8.04 4.37	8.40 4.15	8.09 3.49			13
14	6.96 3.15	6.34 2.77	7.26 3.96	8.76 4.63	9.43 6.60	7.68 3.85	7.62 4.46	8.02 4.15	8.49 4.09	8.20 3.71			14
15	6.32 2.95	6.67 3.39	8.11 4.20	8.71 4.41	10.09 5.73	7.57 3.86	7.60 4.23	8.03 4.01	8.42 4.06	8.05 3.57			15
16	5.94 2.71	6.65 3.28	7.70 3.68	8.82 5.61	9.46 5.96	7.59 4.68	7.55 3.97	8.18 4.00	8.34 4.02	7.88 3.47			16
17	6.34 2.90	6.85 3.27	7.73 3.37	8.61 4.31	9.41 6.10	7.58 4.09	7.66 4.10	8.06 3.90	8.52 4.20	7.61 3.33			17
18	6.55 3.18	7.19 3.20	7.87 4.56	8.77 4.19	9.15 6.28	7.37 4.23	7.98 3.97	8.44 4.35	7.93 3.78	7.47 3.55			18
19	6.55 3.32	7.45 3.91	8.37 3.54	9.60 4.76	9.02 6.39	7.29 4.14	7.57 3.67	8.19 3.94	7.73 3.86	7.11 3.52			19
20	6.88 3.48	7.50 3.18	8.09 3.67	9.62 5.65	8.74 6.14	7.54 4.28	7.48 3.49	7.79 3.92	7.38 3.97	7.38 3.71			20
21	6.94 3.59	7.70 3.00	7.78 3.41	9.55 6.15	8.46 5.85	7.74 4.24	7.53 3.68	7.67 4.09	7.13 3.57	7.66 4.13			21
22	7.10 3.21	7.62 3.07	7.32 3.15	9.12 6.78	8.38 5.74	7.78 4.17	7.65 4.14	7.35 4.00	7.33 3.67	7.97 4.32			22
23	7.36 3.08	7.49 2.91	7.05 2.96	8.93 6.79	8.65 5.80	7.39 3.85	7.48 4.16	7.06 4.24	6.20 4.19	8.39 4.17			23
24	7.54 3.13	7.50 3.05	7.33 3.08	8.97 6.43	9.12 6.20	7.13 3.69	6.95 3.40	7.54 4.13	7.76 4.30	6.49 3.99			24
25	7.69 3.16	6.55 3.14	7.31 3.56	9.45 6.77	8.42 5.80	7.11 3.74	6.61 3.29	7.43 4.20	7.94 4.27	8.45 3.73			25
26	7.58 3.16	6.11 2.61	7.39 3.91	9.87 7.53	8.06 5.50	6.89 3.58	6.48 3.43	7.40 4.49	8.16 3.74	8.65 3.69			26
27	7.29 3.08	6.14 2.61	7.21 3.74	9.22 7.27	8.42 5.79	6.82 3.57	6.73 3.63	7.79 4.55	8.42 3.68	8.77 3.78			27
28	7.46 3.19	6.21 2.73	7.56 3.90	9.62 7.35	9.09 6.04	7.09 3.79	6.99 4.16	7.97 4.34	8.56 3.48	8.63 3.75			28
29	6.66 3.32	6.42 2.87	7.44 3.55	8.78 6.40		7.45 4.14	7.49 4.37	8.25 4.20	8.49 3.37	8.53 3.80			29
30	6.99 3.32	6.94 3.27	7.43 3.33	8.80 7.23		7.52 4.24	7.68 4.28	8.54 4.14	8.52 3.47	8.27 3.72			30
31	6.59 3.24		7.39 3.27	8.58 6.02		7.76 4.71		8.86 4.29		7.83 3.54			31
MAXIMUM	7.69	7.70	8.37	9.87	10.09	8.71	8.72	8.86	9.83	8.77	NR		MAXIMUM
MINIMUM	2.71	2.61	2.52	2.93	4.82	3.57	3.29	3.35	3.37	3.26	NR		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 10 02	121 39 36	NW 25 4N 4E					FEB 1968-DATE	1968		-3.89	USCGS

Station located on Staten Island 6.3 miles east of Isleton. Station located in tidal zone. Station installed in cooperation with the U. S. Corps of Engineers. Station discontinued 8-4-69

TABLE B-12 (CONT)

DAILY MAXIMUM AND MINIMUM TIDES

SAN JOAQUIN RIVER AT SAN ANDREAS LANDING

(in feet)

STATION NO	WATER YEAR
B95100	1969

DATE	OCT.	NOV	DEC.	JAN.	FEB.	MAR	APR.	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.16 2.49	5.29 2.47	6.00 2.41	6.29 2.39	7.29 4.43	7.33 4.36	6.26 3.62	6.79 3.09	8.47 4.06	7.26 2.74	6.00 2.55	6.40 3.05	1
2	6.19 2.62	5.55 2.59	5.49 1.60	6.23 2.27	6.81 5.07	7.26 4.50	6.34 3.61	6.60 2.99	8.34 3.79	6.89 2.56	5.95 2.64	6.51 3.03	2
3	6.10 2.81	6.03 2.82	5.34 1.59	6.12 4.08	6.51 3.65	7.11 5.13	6.79 3.55	7.11 3.00	7.86 3.49	6.42 2.36	6.13 2.78	6.80 2.99	3
4	5.87 2.84	5.99 2.53	5.68 3.39	5.98 2.18	6.73 3.65	6.76 4.23	6.63 3.34	7.03 2.73	7.42 3.29	6.03 2.49	6.26 3.04	6.79 3.07	4
5	5.60 2.79	5.87 3.32	5.90 1.67	5.88 2.09	6.69 3.95	6.66 4.12	7.39 3.70	7.10 2.71	6.92 3.21	6.20 2.44	6.39 2.69	6.63 3.01	5
6	5.50 2.61	5.93 2.35	5.80 1.92	5.76 2.11	7.29 4.54	6.73 4.27	7.24 3.37	7.25 3.08	6.49 3.05	6.36 2.85	6.51 2.59	5.52 2.86	6
7	5.59 2.91	6.02 2.20	6.01 1.84	5.83 2.13	6.67 4.15	6.61 3.92	6.87 3.04	7.35 3.08	6.53 3.13	6.74 3.26	5.13 2.61	6.33 2.45	7
8	5.69 2.49	5.93 2.26	5.95 2.17	5.43 2.43	6.65 3.89	6.72 3.76	6.84 3.06	6.20 2.43	5.41 3.32	6.96 3.30	6.53 2.50	6.28 2.70	8
9	5.72 2.39	5.95 2.10	5.85 2.05	5.29 2.35	7.07 4.07	6.76 3.74	6.68 2.99	5.73 2.33	6.56 3.48	5.21 3.00	6.59 2.58	6.51 2.97	9
10	6.05 2.36	5.75 2.15	6.46 2.23	5.44 2.47	7.07 3.79	6.74 3.45	6.39 3.03	5.73 2.63	6.77 3.32	6.29 2.76	6.68 2.63	6.37 2.90	10
11	6.25 2.49	5.73 2.03	5.21 2.75	5.71 2.50	7.57 4.12	6.60 3.11	6.23 3.10	6.19 3.27	7.07 3.37	6.77 2.65	6.77 2.78	6.29 3.13	11
12	6.27 2.63	5.12 2.30	4.94 1.90	6.43 3.25	7.97 4.27	6.46 2.83	6.28 3.24	7.43 3.51	7.15 3.24	6.77 2.57	6.59 2.59	6.26 3.30	12
13	5.87 2.52	4.89 1.97	5.23 1.91	7.42 3.65	7.80 4.14	6.47 2.89	6.05 3.13	6.68 3.34	7.10 3.13	6.84 2.61	6.46 2.66	6.38 3.56	13
14	5.79 2.32	5.09 1.93	5.99 3.00	7.44 3.52	8.09 4.46	6.33 2.76	6.21 3.41	6.67 3.10	7.19 3.06	6.95 2.80	6.41 2.79	6.50 3.49	14
15	5.12 2.12	5.42 2.54	6.81 3.26	7.39 3.24	8.66 4.80	6.20 2.80	6.21 3.19	6.72 2.98	7.15 3.05	6.81 2.68	6.11 2.73	6.65 3.46	15
16	4.72 1.89	5.40 2.43	6.46 2.79	7.48 3.24	8.06 4.84	6.24 3.02	6.15 2.92	6.86 2.97	7.08 3.03	6.63 2.58	5.89 2.75	6.64 3.30	16
17	5.13 2.08	5.58 2.42	6.49 2.49	7.31 3.16	8.01 5.47	6.19 3.18	6.31 2.98	6.74 2.85	7.25 3.18	6.35 2.47	6.18 3.25	6.78 2.95	17
18	5.31 2.37	5.90 2.31	6.64 2.63	7.48 4.52	7.77 5.06	5.98 3.20	6.63 2.92	7.10 3.21	6.66 2.78	6.23 2.66	6.34 3.39	6.74 2.83	18
19	5.29 2.50	6.17 2.31	7.17 4.39	8.28 3.66	7.65 5.18	5.91 3.13	6.25 2.60	6.88 2.89	6.43 2.84	5.86 2.67	6.47 3.24	6.91 2.69	19
20	5.61 2.66	6.23 3.37	6.87 2.84	8.36 4.52	7.38 4.92	6.19 3.32	6.16 2.65	6.52 2.82	6.12 2.89	6.08 2.85	6.55 2.94	6.78 2.76	20
21	5.67 2.39	6.43 2.12	6.59 2.56	8.03 4.69	7.11 4.67	6.41 3.25	6.26 2.63	6.41 2.96	5.87 2.59	6.39 3.25	6.81 2.63	5.56 2.64	21
22	5.84 2.87	6.35 2.18	6.11 2.28	7.58 5.16	7.09 4.57	6.49 3.15	6.32 3.01	6.06 2.90	6.03 2.69	6.70 3.49	7.30 2.74	6.68 2.76	22
23	6.11 2.25	6.25 2.02	5.84 2.15	7.38 5.16	7.37 4.63	6.07 2.80	6.25 3.05	6.17 3.12	6.44 3.18	7.09 3.29	5.71 3.07	6.55 2.90	23
24	6.31 2.30	6.24 2.15	6.13 2.19	7.56 4.97	7.81 4.97	5.89 2.67	5.74 2.32	5.42 3.03	6.59 3.35	7.21 3.05	7.23 2.87	6.43 3.00	24
25	6.48 2.32	5.33 2.25	6.13 2.73	8.10 5.50	7.06 4.48	5.87 2.73	5.31 2.24	6.14 3.20	5.07 3.30	5.31 2.82	6.93 2.53	6.15 3.00	25
26	6.37 2.31	4.87 1.75	6.16 3.06	8.42 6.08	6.71 4.17	5.65 2.58	5.18 2.39	6.11 3.48	6.88 2.82	7.41 2.80	6.74 2.64	6.46 3.28	26
27	6.08 2.17	4.87 1.75	5.95 2.85	7.68 5.70	7.08 4.49	5.55 2.58	5.42 2.63	6.52 3.54	7.11 2.73	7.50 2.87	6.50 2.63	6.77 3.88	27
28	6.30 2.37	4.95 1.87	6.35 3.02	8.13 5.91	7.69 6.80	5.78 2.80	5.67 3.14	6.63 3.33	7.25 2.57	7.36 2.85	6.24 2.78	6.54 3.44	28
29	5.76 2.51	5.14 2.03	6.21 2.68	7.36 5.00		6.10 3.10	6.12 3.39	6.93 3.20	7.18 2.47	7.24 2.90	6.07 2.86	6.65 3.02	29
30	5.44 2.49	5.67 2.42	6.21 2.44	7.41 4.71		6.16 3.23	6.35 3.22	7.22 3.15	7.24 2.59	6.99 2.82	6.16 3.02	6.46 2.95	30
31	5.37 2.43		6.17 2.40	7.21 4.40		6.37 3.67		7.55 3.25		6.55 2.65	6.26 3.16		31
MAXIMUM	6.48	6.43	7.17	8.42	8.68	7.33	7.39	7.55	8.47	7.50	7.30	6.91	MAXIMUM
MINIMUM	1.89	1.75	1.59	2.09	3.65	2.58	2.24	2.33	2.47	2.38	2.50	2.45	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	1969

DATE	OCT	NOV	DEC	JAN	FEB.	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	2.13 -0.52	2.04 -0.36	2.54 -0.27	2.95 -0.30	3.71 1.68	3.78 1.69	3.12 0.51	3.49 0.12	5.22 0.80	4.14 -0.30	2.82 -0.40	3.20 0.10	
2	3.05 -0.37	2.28 -0.18	2.08 -0.86	2.89 1.31	3.29 1.65	3.59 2.29	3.22 0.51	3.57 0.01	5.11 0.56	3.78 -0.49	2.70 -0.27	3.30 0.05	2
3	2.95 -0.18	2.71 0.04	1.94 -1.07	2.78 -0.40	2.97 1.17	3.47 1.81	3.66 0.45	3.83 0.02	4.68 0.29	3.31 -0.66	2.88 -0.10	3.60 0.02	3
4	2.71 -0.18	2.68 -0.23	2.30 0.51	2.63 -0.49	3.21 1.00	3.10 1.60	3.53 0.22	3.79 -0.17	4.21 0.11	2.90 -0.55	3.01 0.09	3.57 0.10	4
5	2.42 -0.17	2.54 0.57	2.53 -0.78	2.54 -0.58	3.29 1.34	2.97 1.51	4.26 0.63	3.86 -0.21	3.69 0.07	3.12 -0.38	3.10 0.10	3.41 0.04	5
6	2.36 -0.59	2.59 -0.40	2.45 -0.74	2.42 -0.55	3.70 1.94	3.01 1.15	4.11 0.27	4.01 -0.03	3.30 -0.09	3.25 -0.14	3.23 -0.26	3.40 -0.12	6
7	2.45 -0.05	2.68 -0.51	2.66 -0.82	2.49 -0.54	3.06 1.47	3.42 0.82	3.74 -0.04	4.19 -0.02	3.40 0.02	3.59 0.26	1.88 -0.24	3.13 -0.50	7
8	2.54 -0.49	2.60 -0.45	2.62 -0.51	2.09 -0.26	3.03 1.16	3.55 0.70	3.69 -0.02	3.05 -0.67	3.43 0.22	3.83 0.24	3.26 -0.34	3.07 -0.29	8
9	2.58 -0.56	2.62 -0.59	2.53 -0.61	1.91 -0.34	3.48 1.36	3.62 0.64	3.54 -0.07	2.45 -0.73	2.06 0.43	2.06 -0.02	3.34 -0.29	3.31 -0.02	9
10	2.86 -0.60	2.46 -0.54	3.16 -0.42	2.05 -0.24	3.45 1.09	3.58 0.35	3.21 -0.06	2.61 -0.28	3.62 0.23	3.69 -0.23	3.42 -0.23	3.18 -0.08	10
11	3.06 -0.45	2.42 -0.65	1.85 0.06	2.32 -0.23	3.98 1.45	3.45 0.03	3.06 -0.01	3.07 0.17	3.86 0.26	3.69 -0.35	3.50 -0.12	3.12 0.14	11
12	3.11 -0.28	1.86 -0.39	1.54 -0.79	3.05 0.51	4.24 1.57	3.31 -0.25	3.08 0.14	3.26 0.39	3.94 0.09	3.67 -0.41	3.35 -0.27	3.07 0.33	12
13	2.72 -0.41	1.50 -0.74	1.78 -0.82	4.10 0.93	4.14 1.49	3.33 -0.21	2.89 0.08	3.52 0.26	3.91 0.00	3.72 -0.38	3.23 -0.22	3.16 0.59	13
14	2.64 -0.61	1.69 -0.72	2.58 0.29	3.98 0.78	4.30 1.91	3.18 -0.32	3.05 0.29	3.56 0.00	4.00 -0.04	3.83 -0.20	3.15 -0.10	3.28 0.56	14
15	1.93 -0.81	1.98 -0.06	3.39 0.52	3.90 0.52	4.78 3.16	3.08 -0.31	3.05 0.11	3.59 -0.12	3.94 -0.05	3.69 -0.32	2.86 -0.13	3.44 0.48	15
16	1.54 -1.01	1.91 -0.22	3.04 0.11	3.99 0.55	4.32 2.27	3.12 -0.10	3.02 -0.09	3.74 -0.13	3.85 -0.07	3.52 -0.40	2.63 -0.10	3.43 0.34	16
17	1.94 -0.82	2.12 -0.19	3.07 -0.19	3.84 1.73	4.28 2.14	3.07 0.06	3.18 -0.08	3.60 -0.25	4.02 0.07	3.23 -0.50	2.91 0.34	3.55 0.00	17
18	2.13 -0.55	2.44 -0.27	3.24 -0.08	3.97 0.50	4.16 2.36	2.84 0.09	3.46 -0.10	3.89 0.13	3.47 -0.30	3.08 -0.31	3.07 0.49	3.53 -0.13	18
19	2.09 -0.42	2.72 -0.31	3.78 0.06	4.57 1.11	4.06 2.46	2.79 0.04	3.07 -0.37	3.65 -0.19	3.21 -0.25	2.72 -0.30	3.19 0.36	3.69 -0.30	19
20	2.40 -0.26	2.80 0.60	3.47 0.15	4.57 1.86	3.78 2.17	3.10 0.21	2.99 -0.49	3.35 -0.27	2.91 -0.23	2.94 -0.12	3.27 0.07	3.56 -0.21	20
21	2.48 -0.52	3.01 -0.50	3.22 -0.12	4.41 1.95	3.55 1.91	3.31 0.17	3.10 -0.32	3.24 -0.14	2.69 -0.45	3.27 0.22	3.53 -0.24	2.33 -0.31	21
22	2.64 -0.03	2.93 -0.45	2.76 -0.35	4.08 2.24	3.50 1.81	3.36 0.09	3.08 -0.01	2.95 -0.19	2.84 -0.34	3.55 0.49	4.02 -0.15	3.48 -0.18	22
23	2.92 -0.65	2.85 -0.61	2.50 -0.54	3.91 2.25	3.86 1.85	2.92 -0.18	3.12 0.12	2.94 0.02	3.21 0.09	3.89 0.24	2.42 0.16	3.35 -0.06	23
24	3.11 -0.61	2.85 -0.48	2.85 -0.47	4.07 2.08	4.18 2.17	2.76 -0.36	2.53 -0.63	2.94 -0.08	3.37 0.29	4.05 0.02	3.94 -0.08	3.21 0.04	24
25	3.29 -0.61	1.95 -0.41	2.77 0.08	4.42 2.56	3.68 1.70	2.72 -0.31	2.10 -0.70	2.10 0.09	1.85 0.19	2.15 -0.21	3.65 -0.32	2.95 0.06	25
26	3.17 -0.58	1.53 -0.93	2.77 0.35	4.76 3.16	3.37 1.43	2.54 -0.45	1.99 -0.52	2.96 0.35	3.71 -0.24	4.24 -0.21	3.49 -0.25	3.23 0.36	26
27	2.87 -0.64	1.46 -0.90	2.57 0.11	4.20 2.80	3.62 1.83	2.42 -0.46	2.20 -0.29	3.33 0.45	3.98 -0.30	4.35 -0.12	3.25 -0.24	3.53 0.58	27
28	3.01 -0.52	1.53 -0.80	3.01 0.26	4.46 2.96	4.12 2.15	2.64 -0.25	2.50 0.12	3.45 0.22	4.09 -0.49	4.25 -0.09	3.02 -0.15	3.31 0.49	28
29	2.53 -0.35	1.73 -0.67	2.83 -0.06	3.99 2.20		2.93 0.02	2.83 0.39	3.74 0.07	4.05 -0.58	4.09 -0.08	2.87 -0.07	3.41 0.10	29
30	2.17 -0.36	2.25 -0.25	2.85 -0.27	3.97 3.06		3.01 0.13	3.12 0.22	4.05 0.08	4.12 -0.47	3.83 -0.16	2.96 0.07	3.23 0.01	30
31	2.13 -0.41		2.82 -0.31	3.70 1.94		3.17 0.55		4.38 0.21		3.38 -0.31	3.06 0.22		31
MAXIMUM	3.29	3.01	3.78	4.76	4.78	3.78	4.26	4.38	5.22	4.35	4.02	3.69	MAXIMUM
MINIMUM	-1.01	-0.93	-1.07	-0.58	1.00	-0.46	-0.70	-0.73	-0.58	-0.66	-0.40	-0.50	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 Vista. 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
B95020	1969

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	3.17 -1.08	2.36 -0.95	2.96 -1.13	3.23 -1.26	NR NR	4.06 0.39	3.04 -0.24	3.58 -0.75	5.03 -0.24	4.14 -1.17	2.96 -1.21	3.27 -0.53	1
2	2.33 -0.93	2.67 -0.87	2.54 -1.76	3.19 -1.37	NR NR	3.84 0.45	3.19 -0.20	3.71 -0.92	4.90 -0.43	3.76 -1.33	2.90 -1.01	3.31 -0.55	2
3	3.06 -0.75	3.05 -0.72	2.36 -1.99	3.09 -1.49	NR NR	3.79 0.27	3.60 -0.31	3.88 -1.00	4.53 -0.64	3.27 -1.46	3.06 -0.73	3.54 -0.55	3
4	2.83 -0.75	3.03 -1.01	2.69 -1.72	2.97 -1.56	NR NR	3.51 0.22	3.53 -0.59	3.83 -1.16	4.04 -0.84	2.86 -1.28	3.18 -0.54	3.51 -0.49	4
5	2.51 -0.66	2.88 -1.20	2.86 -1.70	2.86 -1.51	NR NR	3.26 0.39	4.29 -0.19	3.96 -1.15	3.51 -0.93	3.13 -1.05	3.23 -0.83	3.36 -0.57	5
6	2.53 -0.90	2.92 -1.35	NR NR	2.72 -1.47	NR NR	3.33 0.23	4.06 -0.55	4.09 -0.83	3.11 -0.87	3.25 -0.63	3.34 -0.96	3.10 -0.77	6
7	2.66 -1.03	2.97 -1.30	NR NR	2.80 0.52	NR NR	3.26 0.09	3.63 -0.88	4.09 -0.84	3.26 -0.64	3.53 -0.25	3.35 -0.97	2.10 -1.19	7
8	2.72 -1.11	2.86 -1.36	NR NR	2.34 -1.11	3.33 0.38	3.43 -0.03	3.54 -0.78	2.96 -1.39	3.27 -0.32	3.71 -0.33	3.44 -1.09	3.10 -0.98	8
9	2.73 0.01	2.82 -1.42	NR NR	2.32 -1.16	3.77 0.46	3.47 -0.14	3.39 -0.86	2.54 -1.37	3.43 -0.19	3.57 -0.69	2.11 -1.07	3.34 -0.73	9
10	2.94 -1.14	2.64 -1.34	NR NR	2.48 -0.96	3.75 0.13	3.41 -0.34	3.04 -0.85	3.03 -0.92	1.98 -0.47	2.08 -0.96	3.54 -1.04	3.25 -0.81	10
11	3.11 -0.96	2.54 -1.42	NR NR	2.78 -0.84	4.20 0.36	3.25 -0.69	2.95 -0.72	2.34 -0.51	3.70 -0.50	3.61 -1.06	3.63 -0.94	3.21 -0.55	11
12	3.08 -0.76	2.01 -1.11	NR NR	3.51 -0.20	4.48 0.35	3.13 -0.99	3.03 -0.68	3.19 -0.33	3.70 -0.76	3.63 -1.15	3.48 -1.08	3.14 -0.36	12
13	2.72 -0.90	1.87 -1.49	NR NR	4.49 0.02	4.42 0.20	3.17 -1.02	2.77 -0.69	3.44 -0.50	3.70 -0.87	3.67 -1.17	3.39 -1.00	3.22 -0.07	13
14	2.60 -1.08	2.15 -1.46	NR NR	4.35 -0.24	4.79 0.60	3.07 -1.15	2.91 -0.41	3.47 -0.79	3.80 -0.88	3.80 -0.95	3.32 -0.88	3.38 -0.24	14
15	1.98 -1.30	2.48 -0.73	NR NR	4.27 -0.59	5.38 1.10	3.00 -1.16	2.98 -0.61	3.50 -0.91	3.74 -0.89	3.66 -1.07	3.02 -0.89	3.51 0.28	15
16	2.07 -1.53	NR NR	NR NR	4.43 -0.61	4.87 0.87	3.07 -0.94	2.99 -0.88	3.64 -0.94	3.67 -0.88	3.47 -1.19	2.77 -0.83	3.49 -0.38	16
17	2.28 -1.35	NR NR	NR NR	4.28 -0.63	4.83 1.14	3.05 -0.75	3.16 -0.89	3.49 -1.05	3.80 -0.69	3.21 -1.23	3.08 -0.29	3.54 -0.69	17
18	2.10 -1.10	NR NR	NR NR	4.47 0.03	4.58 1.28	2.79 -0.67	3.37 -0.94	3.72 -0.78	3.30 -1.08	3.05 -1.04	3.20 -0.08	3.51 -0.87	18
19	2.32 -0.97	NR NR	NR NR	5.22 0.77	4.39 1.13	2.77 -0.70	2.98 -1.21	3.47 -0.99	3.03 -0.93	2.68 -0.95	3.35 -0.26	3.60 -1.04	19
20	2.63 -0.86	NR NR	NR NR	5.05 2.21	4.13 1.35	3.07 -0.51	2.90 -1.27	3.18 -1.00	2.72 -0.91	2.93 -0.68	3.40 -0.55	3.57 -1.02	20
21	2.76 -1.19	NR NR	3.65 0.64	4.67 0.86	3.83 0.98	3.28 -0.53	2.98 -1.03	3.07 -0.82	2.51 -1.03	3.25 -0.16	3.62 -0.93	3.55 -1.10	21
22	2.95 -1.36	NR NR	3.16 -1.44	4.25 1.14	3.72 0.93	3.25 -0.61	2.92 -0.63	2.80 -0.78	2.67 -0.82	3.55 0.01	4.08 -0.90	2.47 -1.02	22
23	3.20 -1.35	3.27 -1.66	2.82 -1.57	4.04 1.41	3.94 1.01	2.76 -0.84	2.98 -0.53	2.62 -0.65	3.00 -0.36	3.81 -0.30	4.05 -0.69	3.46 -0.88	23
24	3.35 -1.36	3.16 -1.47	3.11 -1.47	4.14 1.35	4.34 1.28	2.59 -0.96	2.04 -1.25	2.70 -0.65	3.20 -0.31	3.96 -0.67	2.24 -1.00	3.36 -0.77	24
25	3.48 -1.34	2.27 -1.39	3.09 -0.82	NR NR	3.73 0.85	2.54 -0.86	1.86 -1.33	2.77 -0.48	3.56 -0.58	4.24 -0.99	3.81 -1.25	3.14 -0.71	25
26	3.33 -1.28	1.84 -1.86	3.17 -0.43	NR NR	3.43 0.41	2.40 -1.00	1.69 -1.18	3.17 -0.11	3.82 -1.01	2.24 -1.00	3.70 -1.17	3.42 -0.35	26
27	3.00 -1.32	1.89 -1.72	2.99 -0.55	NR NR	3.73 0.70	2.29 -1.05	2.16 -0.94	3.31 -0.21	1.82 -1.12	4.39 -0.97	3.47 -1.15	3.64 -0.31	27
28	3.06 -1.17	2.02 -1.55	3.37 -0.47	NR NR	4.35 0.96	2.51 -0.88	2.16 -0.58	1.95 -0.56	3.97 -1.36	4.28 -1.02	3.23 -1.02	3.48 -0.69	28
29	2.67 -0.98	2.22 -1.33	3.18 -0.90	NR NR		2.83 -0.72	2.91 -0.32	3.61 -0.78	4.00 -1.47	4.18 -0.96	3.02 -0.86	3.51 0.64	29
30	2.37 -1.02	2.67 -1.04	3.17 -1.17	NR NR		2.92 -0.62	3.25 -0.57	3.95 -0.88	4.10 -1.36	3.93 -1.03	3.10 -0.61	3.26 -0.73	30
31	2.34 -1.04		3.13 -1.24	NR NR		3.06 -0.27		4.28 -0.78		3.51 -1.16	3.19 -0.47		31
MAXIMUM	3.48	NR	NR	NR	NR	4.04	4.29	4.28	5.03	4.39	4.08	3.64	MAXIMUM
MINIMUM	-1.53	NR	NR	NR	NR	-1.16	-1.33	-1.39	-1.47	-1.46	-1.25	-1.19	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 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

STATION NO.	WATER YEAR
E03300	1969

SUISUN BAY AT BENICIA

In feet

DATE	OCT.	NOV	DEC	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG	SEP	DATE
1	3.11 -2.38	2.75 -1.91	3.22 -2.38	3.43 -2.77	NR NR	NR NR	3.59 -1.41	2.83 -2.37	4.97 -3.08	4.39 -3.43	3.12 -2.53	3.44 -1.53	1
2	3.10 -2.24	3.12 -1.85	2.78 -3.05	3.41 -2.87	NR NR	NR NR	3.82 -1.42	2.59 -2.73	4.85 -3.28	4.07 -3.44	3.19 -2.02	3.31 0.47	2
3	2.93 -2.14	3.39 -1.93	2.62 -3.36	3.33 -2.97	NR NR	NR NR	4.14 -1.91	4.05 -3.39	4.52 -3.30	3.52 -3.28	3.29 -1.48	3.42 -1.45	3
4	2.69 -2.03	3.34 -2.22	2.87 -3.06	3.25 -3.02	NR NR	NR NN	4.16 -2.17	3.95 -3.48	4.03 -3.28	3.20 -2.81	3.35 -1.42	3.31 -1.53	4
5	2.76 -1.77	3.16 -2.47	3.10 -3.02	3.12 -2.90	NR NR	NR NR	4.96 -1.80	4.16 -3.37	3.54 -3.04	3.38 -2.18	3.21 -1.65	3.24 -1.71	5
6	2.87 -1.90	3.16 -2.61	2.92 -3.08	3.01 -2.77	NR NR	NR NR	4.60 -2.34	4.24 -2.90	3.26 -2.53	3.55 -1.32	3.22 -1.90	3.13 0.85	6
7	3.01 -2.06	3.08 -2.56	3.06 -2.55	2.91 -2.32	NR NR	NR NR	4.06 -2.61	3.97 -2.78	3.38 -1.78	3.65 -1.25	3.26 -2.04	3.19 -2.28	7
8	3.07 -2.17	2.97 -2.58	2.99 -2.67	2.52 -2.23	NR NR	3.87 -1.51	3.91 -2.32	3.00 -3.22	3.40 -1.18	3.64 -1.56	3.41 -2.22	3.35 -2.14	8
9	3.00 -2.20	2.87 -2.38	2.89 -2.25	2.65 -1.85	NR NR	3.82 -1.51	3.72 -2.33	2.73 -2.81	3.50 -1.50	3.54 -2.00	3.53 -2.27	3.28 -1.97	9
10	3.03 -2.03	2.75 -2.37	3.15 1.43	NR NR	NR NR	3.83 -1.68	3.31 -2.31	3.06 -2.28	3.67 -1.93	3.63 -2.44	3.60 -2.24	3.26 -1.90	10
11	3.12 -1.56	2.53 1.06	2.20 -1.86	NR NR	NR NR	3.57 -2.09	3.33 -2.24	3.22 -1.90	3.68 -2.24	3.73 -2.56	2.37 -2.24	3.12 -1.61	11
12	2.98 -1.75	1.92 -2.11	2.16 -2.50	NR NR	NR NR	3.55 -2.48	3.43 -2.28	3.47 -1.81	3.71 -2.64	3.73 -2.70	3.55 -2.33	3.41 -1.24	12
13	2.70 1.20	1.89 -2.43	2.50 -2.30	NR NR	NR NR	3.53 -2.73	3.45 -2.19	3.54 -2.10	3.77 -2.89	2.48 -2.68	3.49 -2.20	3.55 -1.08	13
14	2.43 -1.83	2.48 -2.30	3.26 -1.20	NR NR	NR NR	3.57 -2.99	3.05 -1.70	3.53 -2.60	2.43 -2.90	3.86 -2.44	3.35 -2.18	3.65 -1.33	14
15	2.04 -2.11	2.80 -1.10	4.29 -1.17	NR NR	NR NR	3.55 -3.08	3.51 -2.09	2.38 -2.83	3.78 -2.82	3.72 -2.56	3.02 -2.02	3.61 -1.61	15
16	2.18 -2.30	2.88 -1.79	3.77 -2.30	NR NR	NR NR	3.66 -2.76	3.53 -2.42	3.62 -3.00	3.73 -2.82	3.51 -2.55	2.91 -1.80	3.57 -1.86	16
17	2.42 -2.33	3.17 -2.11	3.88 -2.94	NR NR	NR NR	3.69 -2.43	3.64 -2.49	3.60 -3.01	3.68 -2.50	3.28 -2.55	3.14 -1.36	3.48 -1.96	17
18	2.48 -2.11	3.52 -2.55	4.13 -3.10	NR NR	NR NR	3.46 -2.14	3.76 -2.65	3.72 -2.86	3.32 -2.81	3.03 -2.35	3.29 -1.11	3.52 -2.19	18
19	2.69 -2.01	3.78 -2.79	4.54 -2.95	NR NR	NR NR	3.44 -2.10	3.39 -2.82	3.45 -2.93	3.02 -2.51	2.85 -2.06	3.46 -0.26	3.60 -2.22	19
20	2.94 -2.01	3.82 -3.16	4.38 -3.21	NR NR	NR NR	3.73 -1.82	3.27 -2.55	3.09 -2.62	2.64 -2.21	3.11 -1.60	3.49 -1.49	3.68 -2.39	20
21	3.24 -2.43	3.96 -3.25	4.13 -3.31	NR NR	NR NR	3.93 -1.88	3.29 -2.13	2.89 -2.31	2.52 -1.96	3.42 -0.86	3.60 -1.89	3.67 -2.37	21
22	3.43 -2.72	3.74 -3.36	3.59 -3.25	NR NR	NR NR	3.64 -1.89	3.15 -1.70	2.57 -2.03	2.74 -1.53	3.59 -1.01	3.98 -2.10	3.59 -2.31	22
23	3.67 -2.80	3.54 -2.99	3.16 -2.88	NR NR	NR NR	3.13 -1.81	3.38 -1.14	2.30 -1.88	3.01 -0.95	3.80 -1.49	3.98 -2.21	3.44 -2.13	23
24	3.78 -2.77	3.19 -2.87	3.32 0.54	NR NR	NR NR	2.94 -1.63	2.42 -1.83	2.56 -1.61	3.31 -1.48	3.97 -1.95	3.99 -2.51	3.40 -1.89	24
25	3.79 -2.68	2.32 -0.28	3.52 -1.97	NR NR	NR NR	2.89 -1.46	2.07 -1.92	2.69 -1.29	3.62 -2.09	4.18 -2.42	3.95 -2.83	3.82 -1.36	25
26	3.54 0.49	2.01 -3.24	3.55 -1.41	NR NR	NR NR	2.73 -1.57	2.46 -1.81	3.12 -0.95	3.95 -2.73	4.38 -2.70	2.49 -2.77	NR NR	26
27	3.13 -2.59	2.19 -2.84	3.25 -1.41	NR NR	NR NR	2.65 -1.71	2.93 -1.60	3.31 -1.55	4.16 -3.04	4.46 -2.91	3.76 -2.67	NR NR	27
28	2.99 -2.56	2.43 -2.57	3.62 -1.64	NR NR	NR NR	2.85 -1.73	3.39 -1.49	3.68 -2.30	4.31 -3.58	2.52 -2.95	3.52 -2.45	NR NR	28
29	2.74 -2.08	2.61 -2.09	3.32 -2.21	NR NR		3.11 -1.93	3.75 -1.44	4.04 -2.88	4.45 -3.76	4.29 -3.03	3.28 -2.07	NR NR	29
30	2.59 -2.10	2.88 -2.05	3.32 -2.59	NR NR		3.27 -1.93	2.88 -1.94	2.39 -3.22	2.49 -3.64	4.07 -2.90	3.44 -1.56	NR NR	30
31	2.66 -2.10		3.36 -2.75	NR NR		3.47 -1.61		3.03 -3.29		3.63 -2.81	3.46 -1.50		31
MAXIMUM	3.79	3.96	4.54	NR	NR	NR	4.96	4.24	4.97	4.46	3.99	NR	MAXIMUM
MINIMUM	-2.80	-3.36	-3.36	NR	NR	NR	-2.82	-3.48	-3.76	-3.44	-2.83	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

CONTENT OF RESERVOIRS

(IN ACRE-FEET)

WATER YEAR	STATION NO.	STATION NAME
1969	A55527	FRENCHMAN LAKE NEAR CHILCOOT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	40562	40224	40445	41078	46909	49236	52985	57847	56510	55540	53061	46981	1
2	40562	40250	40432	41091	47009	49280	53647	57798	56462	55445	52893	46895	2
3	40549	40301	40445	41091	47109	49368	54190	57814	56334	NR	52740	46796	3
4	40523	40301	40432	41117	47195	49412	54784	57733	56254	NR	52571	46710	4
5	40523	40301	40432	41117	47338	49456	55398	57668	56095	NR	52388	46653	5
6	40510	40288 E	40445	41130	47453	49500	55761	57685	55888	NR	NR	46597	6
7	40484	40288	40458	41143	47539	49544	56063	57733	55635	NR	NR	46554	7
8	40458	40288	40458	41156	47596	49603	56414	57782	55492	55208	NR	46497	8
9	40445	40288	40445	41156	47682	49662	56798	57863	55413	55193	NR	46441	9
10	40432	40288	40562	41170	47769	49692	57152	57912	55303	55161	NR	46384	10
11	40445	40340	40588	41196	47855	49736	57474	57993	55350	NR	NR	46314	11
12	40458	40419	40575	41196	47927	49780	57798	58058	55382	NR	NR	46257	12
13	40445	40392	40588	41341	47999	49825	57960	58025	55429	NR	NR	46201	13
14	40432	40405	40601	41394	48115	49854	57977	57928	55540	55051	NR	46130	14
15	40419	40392	40666	41394	48231	49854	57912	57830	55603	55019	NR	46074	15
16	40419	40392	40692	41420	48289	49810	57863	57717	NR	54988	NR	46017	16
17	40419	40392	40692	41433	48347	49765	57944	57636	NR	54925	NR	45989	17
18	40392	40405	40692	41552	48419	49648	58025	57555	NR	54878	NR	45947	18
19	40392	40405	40719	41990	48477	49559	58042	57474	NR	54831	NR	45919	19
20	40379	40419	40705	43254	48535	49486	58107	57377	NR	54768	NR	45905	20
21	40366	40419	40732	44127	48594	49412	58237	57297	NR	54659	NR	45877	21
22	40327	40432	40758	44443	48652	49324	58384	57216	NR	54549	NR	45849	22
23	40288	40432	40771	44650	48739	49265	58531	57135	NR	54409	NR	45820	23
24	40288	40458	40823	44899	48870	49236	58433	57071	NR	54253	NR	45792	24
25	40288	40458	40941	45219	49031	49236	58253	56959	NR	54113	47725	45778	25
26	40288	40445	40941	45736	49060	49280	58058	56910 E	NR	53973	47539	45750	26
27	40275	40445	40994	46031	49133	49397	57912	56862 E	NR	53833	47409	45722	27
28	40250	40432	40994	46271	49192	49677	57830	56798 E	NR	53694	47309	45708	28
29	40237	40432	40994	46455		50105	57847	56702 E	NR	53554	47223	45666	29
30	40237	40432	41007	46611		50790	57847	56638	55571 E	53369	47152	45652	30
31	40224		41020	46767		51812		56574		53200	47066		31
CHNG	-351	+208	+588	+5689	+2425	+2620	+6035	-1273	-1003	-2371	-6134	-1414	CHNG
MAX.	40562	40458	41020	46767	49192	51812	58531	58058	56510	55540	53061	46981	MAX.
MIN.	40224	40224	40432	41078	46909	49236	52985	56574	NR	53200	47066	45652	MIN.

E – ESTIMATED
NR – NO RECORD

WATER YEAR SUMMARY

MAXIMUM					MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME	CONTENT	GAGE HT.	MO.	DAY	TIME
58531		4	23	2400	40224		10	31	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 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
1969	A55383	LAKE DAVIS NEAR PORTOLA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	55942	55302	56070	57986	68871	72904	76372	90347	89849	86273	81657	78293	1
2	55910	55366	56006	57986	69016	72978	76945	90514	89683	86111	NR	78216	2
3	55813	55557	56006	57986	69124	73202	77445	90889	89434	85989	NR	78216	3
4	55813	55557	55974	58018	69233	73202	77868	90889	89269	85826	NR	78138	4
5	55781	55557	56006	57986	69632	73239	78564	91056	89145	85664	NR	NR	5
6	55717	55525	55974	57986	69777	73277	78913	91307	88855	85543	NR	NR	6
7	55685	55493	55910	58084	69886	73351	79185	91516	88732	85421	NR	NR	7
8	55621	55557	55974	58084	69959	73351	79497	91725	88814	85300	NR	NR	8
9	55525	55525	55878	58018	69995	73426	79848	92019	88732	85219	NR	NR	9
10	55525	55493	56554	58018	70104	73463	80279	92229	88608	85097	NR	NR	10
11	55557	55845	56554	58084	70323	73501	80750	92565	88649	84895	NR	NR	11
12	55717	55942	56554	58150	70433	73576	81420	92734	88525	84734	80318	77598	12
13	55749	55910	56521	58643	70469	73538	82053	92818	88443	84573	80240	77521	13
14	55717	55910	56586	58643	70725	73576	82530	92818	88402	84411	80122	77445	14
15	55717	55878	57072	58643	71129	73576	82928	92734	88278	84210	80044	77406	15
16	55685	55910	57039	58709	71166	73576	83408	92650	88073	84049	79887	77329	16
17	55653	55910	57072	58643	71239	73576	83768	92481	88114	83889	79809	77252	17
18	55653	55974	57137	58941	71313	73650	84170	92397	88073	83768	79692	77176	18
19	55589	55974	57202	59771	71386	73688	84411	92313	88032	83568	79614	77137	19
20	55557	55974	57202	61732	71534	73688	84774	92103	87867	83408	79497	77099	20
21	55525	55942	57202	63297	71570	73763	85461	91977	87744	83248	79380	77022	21
22	55525	56038	57137	63297	71534	73763	86355	91767	87580	NR	79341	76984	22
23	55493	55974	57332	64370	71829	73800	87457	91600	87376	NR	79224	76907	23
24	55493	56070	57528	64893	72235	73875	87867	91390	87212	NR	79069	76907	24
25	55461	56070	57953	65594	72532	73950	88155	91181	87089	NR	78952	76869	25
26	55429	56038	57953	66688	72606	74025	88443	90972	86926	NR	78835	76831	26
27	55461	56038	57953	67293	72644	74100	88690	90847	86803	NR	78758	76754	27
28	55366	55974	57953	67865	72867	74288	89062	90680	86722	NR	78641	76716	28
29	55429	55974	57953	68115		74514	89641	90430	86599	NR	78525	76754	29
30	55366	55974	57986	68475		75004	90056	90306	86477	NR	78486	76754	30
31	55366		57953	68619		75686		90015		NR	78370		31
CHNG	-608	+608	+1979	+10666	+4248	+2819	+14370	-41	-3538	-4820	-3287	-1616	CHNG
MAX.	55942	56070	57986	68619	72867	75686	90056	92818	89849	86273	81657	78293	MAX.
MIN.	55366	55302	55878	57986	68871	72904	76372	90015	86477	NR	78370	76716	MIN.

E — ESTIMATED
NR — NO RECORD

WATER YEAR SUMMARY

MAXIMUM					MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME	CONTENT	GAGE HT.	MO.	DAY	TIME
92818		5	13	2400	55302		11	1	2400

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			INFLOW	CONTENT	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
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
1969	A54473	ANTELOPE LAKE NEAR BOULDER CREEK GUARD STATION

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	19394	18987 E	19198	19721	23138	22950	23958 E	24170	23451	22903	22538	21828	1
2	19369	18995 E	18198	19730	23053	22968	23948 E	24131	23403	22884	22519	21809	2
3	19343	19004 E	18164	19730	23025	22940	23842 E	24122	23365	22874	22501	21782	3
4	19326	19012 E	19164	19730	23072	22912	23794 E	24045	23384	22856	22482	21755	4
5	19309	19029 E	19164	19764	23072	22921	23833 E	24045	23346	22856	22464	21727	5
6	19283	19037 E	19164	19764	23053	22921	23775 E	24160	23299	22846	22445	21700	6
7	19258	19046 E	19181	19764	23044	22921	23699 E	24306	23270	22837	22417	21691	7
8	19232	19054 E	19173	19773	23044	22921	23680 E	24393	23375	22828	22408	21663	8
9	19215	19063 E	19173	19808	22997	22940	23680 E	24481	23403	22874	22380	21645	9
10	19190	19080 E	19241	19816	22987	22931	23699 E	24568	23346	22874	22371	21618	10
11	19198	19088 E	19300	19825	23006	22940	23756 E	24578	23470	22846	22343	21600	11
12	19207 E	19097 E	19352	19833	22997	22921	23871 E	24559	23413	22828	22324	21572	12
13	19198 E	19105 E	19352	19946	23006	22912	23948 E	24490	23337	22809	22297	21554	13
14	19190 E	19122 E	19352	20007	23006	22903	23910 E	24344	23299	22790	22278	21527	14
15	19181 E	19130 E	19429	20068	23015	22912	23775 E	24257	23242	22781	22250	21500	15
16	19173 E	19139 E	19446	20094	22978	22940	23794	24228	23214	22753	22232	21473	16
17	19164 E	19147 E	19489	20129	22997	22950	23871	24199	23242	22734	22214	21446	17
18	19147 E	19156	19497	20199	22968	22959	24006	24189	23232	22715	22195	21436	18
19	19139 E	19156	19497 E	20436	22950	22968	24035	24141	23185	22706	22158	21409	19
20	19122 E	19181	19497 E	21509	22940	22987	24112	24073	23147	22696	22140	21391	20
21	19114 E	19181	19497 E	22362	22893	22950	24238	24006	23110	22678	22112	21364	21
22	19097 E	19181	19497 E	22640	22978	22968	24335	23987	23072	22668	22085	21337	22
23	19088 E	19181	19497	22799	22959	22997	24383	23967	23053	22659	22066	21319	23
24	19071 E	19181	19540	22931	23015	23025	24199	23910	23034	22659	22039	21301	24
25	19063 E	19181	19592	23091	23025	23053	24045	23852	23006	22640	22011	21283	25
26	19046 E	19181	19609	23422	22968	23091	23958	23804	22987	22622	21983	21256	26
27	19037 E	19224	19617	23470	22987	23147	23910	23718	22968	22612	21956	21229	27
28	19020 E	19224	19635	23327	22968	23214	23929	23641	22950	22603	21928	21211	28
29	19012 E	19224	19635	23327		23375	24112	23594	22940	22585	21901	21193	29
30	18995 E	19224	19652	23138		23498	24170	23546	22931	22575	21883	21166	30
21	18987 E		19652	23204		23833		23498		22557	21855		31
CHANGE	-424	+237	+428	+3500	-236	+865	+337	-672	-567	-374	-702	-689	MEAN
MAX.	19394	19224	19652	23470	23138	23833	24383	24578	23470	22903	22538	21828	MAX.
MIN.	18987 E	18987 E	19164	19721	22893	22903	23680 E	23498	22931	22557	21855	21166	MIN.
													AC.FT.

E — ESTIMATED
NR — NO RECORD

WATER YEAR SUMMARY

MAXIMUM					MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME	CONTENT	GAGE HT.	MO.	DAY	TIME
24578		5	11	2400	18987		10	31	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
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 (creat 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
1969	A51141	LAKE OROVILLE NEAR OROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1678.2	1704.2	1801.2	2073.9	2782.2	2755.5	2978.2	3023.1	3338.8	3488.7	3352.3	3025.7	1
2	1679.0	1706.9	1804.0	2082.7	2784.9	2751.7	3013.8	3028.8	3343.8	3484.8	3343.5	3014.1	2
3	1678.7	1711.0	1808.3	2090.9	2787.5	2747.0	3031.6	3036.7	3351.7	3481.6	3343.9	2996.2	3
4	1679.4	1714.3	1811.8	2099.2	2788.7	2740.5	3030.8	3042.4	3357.8	3485.5	3330.1	2981.5	4
5	1682.6	1716.0	1817.0	2108.0	2793.6	2740.0	3036.6	3045.2	3366.9	3488.0	3314.6	2967.0	5
6	1685.2	1717.8	1820.9	2114.9	2795.1	2737.5	3039.8	3051.6	3375.6	3492.0	3299.2	2952.7	6
7	1686.2	1719.2	1821.7	2122.9	2795.1	2735.0	3038.6	3064.3	3391.5	3484.9	3283.6	2952.9	7
8	1687.3	1719.9	1824.4	2131.1	2793.1	2732.8	3032.6	3081.5	3405.4	3478.2	3269.1	2939.6	8
9	1687.9	1720.5	1829.7	2139.7	2799.2	2732.8	3028.4	3104.3	3412.9	3472.0	3260.1	2925.9	9
10	1688.7	1722.7	1846.0	2148.1	2796.8	2735.5	3023.6	3129.4	3420.5	3465.4	3260.1	2913.2	10
11	1690.3	1725.1	1859.6	2163.6	2794.2	2742.2	3016.9	3152.5	3428.6	3458.7	3245.1	2899.8	11
12	1695.1	1733.3	1866.0	2187.9	2790.5	2750.8	3014.5	3174.9	3437.1	3460.1	3232.2	2887.2	12
13	1697.9	1737.8	1873.5	2260.5	2782.1	2758.5	3016.6	3195.3	3445.5	3460.6	3218.1	2879.5	13
14	1699.4	1740.3	1881.7	2308.7	2786.3	2765.3	3013.4	3207.5	3458.9	3452.7	3204.1	2879.3	14
15	1701.5	1745.7	1896.3	2333.5	2799.9	2771.8	3007.2	3216.1	3470.9	3445.8	3191.6	2867.4	15
16	1703.3	1748.6	1908.8	2351.9	2803.3	2776.2	2998.9	3222.0	3476.5	3438.4	3185.8	2855.6	16
17	1703.7	1753.2	1919.3	2366.4	2796.8	2781.5	2992.6	3229.4	3480.7	3430.5	3186.2	2842.4	17
18	1703.5	1758.5	1928.7	2382.0	2790.0	2790.5	2990.9	3238.0	3483.5	3422.6	3173.0	2829.9	18
19	1703.2	1763.4	1936.3	2435.0	2786.4	2800.6	2988.1	3247.9	3486.2	3427.9	3160.6	2820.2	19
20	1703.9	1767.7	1945.0	2600.5	2783.5	2801.2	2994.7	3253.7	3486.3	3432.0	3148.0	2817.6	20
21	1702.6	1771.9	1950.6	2811.0	2778.7	2800.2	2994.7	3256.7	3494.9	3427.6	3135.2	2818.2	21
22	1702.0	1775.5	1959.6	2839.2	2774.8	2798.4	3000.6	3263.3	3503.2	3423.1	3122.6	2810.6	22
23	1701.3	1777.3	1969.2	2828.8	2771.1	2798.6	3012.5	3270.3	3501.5	3417.8	3116.0	2804.2	23
24	1702.6	1780.5	1984.4	2812.1	2768.6	2806.7	3017.9	3279.7	3498.8	3413.7	3116.2	2797.4	24
25	1701.2	1782.4	2001.9	2832.8	2762.7	2818.7	3019.7	3286.6	3495.7	3404.9	3102.7	2790.4	25
26	1703.6	1784.2	2015.4	2909.3	2757.2	2830.4	3020.0	3295.3	3493.5	3401.5	3088.2	2790.0 E	26
27	1705.3	1788.6	2026.4	2914.8	2755.1	2844.2	3017.8	3306.4	3492.1	3406.0	3073.6	2789.6 E	27
28	1703.9	1791.7	2036.7	2893.3	2756.6	2857.1	3010.2	3315.3	3492.9	3398.6	3057.9	2789.2	28
29	1703.7	1794.8	2047.9	3877.3		2880.2	3012.1	3323.0	3493.5	3391.5	3041.7	2785.1	29
30	1705.0	1797.8	2057.4	2818.0		2906.8	3013.8	3328.6	3491.6	3378.5	3030.3	2781.3	30
31	1705.0		2066.1	2785.2		2938.4		3334.8		3366.1	3028.1		31
CHNG	+26.8	+93.6	+264.9	+711.3	-25.6	+182.9	+35.6	+311.7	+152.8	-122.6	-324.2	-244.4	CHNG
MAX.	1705.3	1797.8	2066.1	2914.8	2803.3	2938.4	3039.8	3334.8	3503.2	3492.0	3352.3	3025.7	MAX.
MIN.	1678.2	1704.2	1801.2	2073.9	2755.1	2732.8	2978.2	3023.1	3338.8	3366.1	3028.1	2781.3	MIN.

WATER YEAR SUMMARY

MAXIMUM					MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME	CONTENT	GAGE HT.	MO.	DAY	TIME
3503.2	897.82	6	22	2400	1678.2	750.07	10	1	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
1969	A65105	CAMP FAR WEST RESERVOIR NEAR SHERIDAN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.6	4.5	15.9	48.4	107.9	110.3	107.0	106.8	105.9	104.8	92.7	84.0	1
2	2.6	4.5	16.3	49.1	107.9	108.5	107.0	106.8	105.9	104.4	92.6	83.7	2
3	2.5	5.6	16.5	50.0	107.7	108.1	107.2	106.8	105.9	104.0	92.4	83.5	3
4	2.5	6.0	16.8	50.3	107.4	108.1	107.2	106.8	105.9	103.8	92.2	83.0	4
5	2.4	6.2	17.0	50.7	109.0	107.9	108.5	106.6	105.9	103.3	91.8	82.4	5
6	2.4	6.4	17.2	50.9	109.4	107.7	108.5	106.6	105.9	102.9	91.2	82.1	6
7	2.4	6.5	17.3	51.9	108.3	107.7	107.9	106.1	105.9	102.3	91.1	81.6	7
8	2.3	6.6	17.5	52.7	107.9	107.4	107.7	106.4	105.9	101.0	90.9	81.1	8
9	2.3	6.7	17.7	53.3	108.3	107.4	107.4	106.4	105.9	101.4	90.5	80.6	9
10	2.3	6.8	18.1	53.7	107.9	107.2	107.2	106.4	105.9	101.2	90.1	80.3	10
11	2.2	6.9	19.6	55.6	109.2	106.8	107.2	106.4	105.9	100.8	89.7	79.6	11
12	NR	7.5	20.1	59.8	109.6	106.6	107.2	106.4	105.9	100.6	89.5	79.3	12
13	NR	7.7	20.6	75.6	108.5	106.4	107.2	106.4	105.9	100.1	89.2	78.8	13
14	NR	7.9	22.6	88.0	109.0	106.1	107.0	106.4	105.9	99.7	89.0	78.5	14
15	NR	8.5	24.5	92.4	111.5	106.4	107.0	106.4	105.9	99.3	89.0	78.2	15
16	NR	8.9	26.3	95.8	110.0	106.6	106.8	106.1	105.9	98.9	88.6	77.9	16
17	3.5	9.4	27.1	98.0	109.0	107.0	106.8	106.1	105.9	98.6	88.2	77.6	17
18	3.6	10.0	27.6	101.0	109.0	107.2	106.8	106.1	105.9	98.4	87.9	77.2	18
19	3.7	10.6	28.1	112.0	108.5	107.0	106.8	106.1	105.9	97.8	87.7	76.9	19
20	3.8	11.1	28.5	118.9	108.1	107.0	106.8	106.1	105.9	97.4	87.3	76.6	20
21	3.9	11.5	28.8	117.2	107.9	107.2	106.8	106.1	105.9	97.1	87.1	76.3	21
22	3.9	12.0	29.0	112.2	107.7	107.0	106.8	106.1	105.9	96.9	86.7	76.1	22
23	4.0	12.7	29.2	109.8	108.3	106.8	107.2	106.1	105.9	96.5	86.4	75.9	23
24	4.0	13.4	30.8	109.8	109.8	107.0	107.2	106.1	105.9	96.1	86.2	75.6	24
25	4.1	14.0	39.4	113.9	110.9	107.0	107.0	106.1	105.9	95.8	87.5	75.5	25
26	4.2	14.4	40.7	113.5	109.6	106.8	106.8	105.9	105.7	95.2	85.6	75.3	26
27	4.2	14.8	42.3	110.3	108.5	106.8	106.8	105.9	105.7	94.6	85.3	75.0	27
28	4.2	15.0	43.9	109.4	111.3	106.8	106.6	105.9	105.5	94.2	85.0	74.8	28
29	4.3	15.2	45.5	109.0		106.8	106.8	105.9	105.3	93.9	84.8	74.7	29
30	4.4	15.5	46.8	108.5		107.0	106.8	105.9	105.3	93.5	84.6	74.5	30
31	4.4		47.6	108.1		107.0		105.9		93.3	84.3		31
CHNG	+1.7	+11.1	+32.1	+60.5	+3.2	-4.3	-0.2	-0.9	-0.6	-12.0	-9.0	-9.8	CHNG
MAX.	4.4	15.5	47.6	118.9	112.2	110.3	108.5	106.8	105.9	104.8	92.7	84.0	MAX.
MIN.	NR	4.5	15.9	48.4	107.4	106.1	106.6	105.9	105.3	93.3	84.3	74.5	MIN.

WATER YEAR SUMMARY

MAXIMUM					MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME	CONTENT	GAGE HT.	MO.	DAY	TIME
118.9		1	20	2400	NR				

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			INFLOW	CONTENT	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
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

DAILY INFLOW

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1969	A21051	SHASTA LAKE NEAR REDDING

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	4190	4150	3730	5570	14410	17510	22940	14140	8620	5190	4870	1850	1
2	4100	6490	4590	6980	13250	17140	23040	13800	8720	5360	1110	4440	2
3	3290	5960	4050	6580	13030	13050	21190	14070	8160	8030	1790	4600	3
4	4310	3270	4590	6810	13570	13940	21070	13050	9520	3440	3760	6820	4
5	3210	4830	4660	9360	12990	13080	27210	13440	7270	4680	4290	6520	5
6	4010	8340	3890	8080	14060	10620	23700	13660	8950	790	5430	2380	6
7	4470	4460	4530	10410	13350	11550	21430	15050	6890	3410	5540	2390	7
8	3750	4340	3650	8870	16340	12890	19930	15260	6540	3760	4860	5390	8
9	2990	2420	5250	7770	33810	12300	18450	15760	7740	6120	1130	5890	9
10	3340	3320	25260	8180	30890	10610	17270	16140	6760	4630	2470	5480	10
11	5080	5670	15330	10710	59550	9540	17550	16630	8670	7050	4750	6320	11
12	7430	4770	8080	29570	50250	11480	17540	15920	7300	4170	4720	6650	12
13	5[illegible]0	5180	10430	57440	31780	9520	16850	16080	7000	2580	6010	6990	13
14	5050	5920	10980	26850	28930	8930	16630	15100	6790	4370	5460	2870	14
15	4730	5290	23690	18550	31460	10140	15740	13460	5260	4630	5720	4990	15
16	3590	4260	15160	12900	28520	11270	15890	14660	7000	3930	2760	6540	16
17	4660	4870	9030	13430	24100	12410	16050	14320	6750	6390	1350	5600	17
18	3620	5020	6710	13450	21610	13710	16530	13930	8720	6050	3430	4580	18
19	4200	4840	7560	18100	19560	13680	16090	13620	6530	4260	5180	3950	19
20	3470	4590	6520	66980	17550	14670	16280	12830	5460	3320	6350	3440	20
21	4070	5840	6830	88030	16010	14690	16420	12300	6320	4500	4180	2320	21
22	4120	4860	7480	48790	15790	13950	17720	12250	4800	6340	4010	2270	22
23	3440	4440	7440	33150	15840	14650	21470	11520	6160	4820	1680	2790	23
24	3530	3100	9900	27330	16360	15080	18250	11710	5920	2700	900	2690	24
25	3490	3890	10160	25970	15560	15460	17140	9760	6180	4300	3230	4730	25
26	3860	4650	8270	41060	15400	16600	16060	11710	6440	2170	5190	3390	26
27	2900 A	5400	8840	30460	15770	17280	15930 B	11270	6880	1930	4980	1280	27
28	4170	4580	9000	23760	19680	18890	15550	10110	2630	4180	5330	4300	28
29	5040	5490	6820	21000		20970	15930	9680	3670	5760	4810	3500	29
30	5030	4470	7650	17680		20860	14520	9570	5620	5440	2070	4030	30
31	3040		6980	15270		22520		9490		6220	1220		31
MEAN	4121	4690	8615	23196	22122	14161	18346	13235	6809	4533	3825	4300	MEAN
MAX.	7430	6490	25260	88030	59550	22520	27210	16630	9720	7050	6350	6990	MAX.
MIN.	2900	2420	3650	5570	12990	8930	14520	9490	2630	790	900	1280	MIN.
AC. FT.	253630	279090	529710	1426290	1228600	870720	1090330	813800	405160	278720	235200	255850	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
[illegible]											7,667,100

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
1969	A36171	WHISKEYTOWN LAKE NEAR WHISKEYTOWN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	799	787	1058	937	1029	2153	1736	1074	4175	3635	2905	3022	1
2	790	1211	1026	865	946	1687	1752	1022	4130	2986	2854	3011	2
3	801	922	1078	954	846	1433	1454	1096	4131	2942	3052	2968	3
4	776	830	1132	1008	910	1304	1458	937	4129	3102	2998	2963	4
5	808	821	1113	1119	1044	1251	1749	961	4142	3090	2902	2987	5
6	793	786	1126	1090	1093	1268	1448	1013	4132	3070	2946	2973	6
7	726	791	1465	1019	1064	1203	1332	1061	4065	3104	2938	2976	7
8	764	775	1384	926	1849	1148	1275	1090	4113	3166	2967	2990	8
9	727	816	1456	801	2582	1111	1349	1060	4127	3054	2867	2974	9
10	778	803	3113	789	2386	992	1151	1257	4133	3061	2967	2987	10
11	1008	872	1718	1238	6117	994	1232	1180	4161	3199	2925	2960	11
12	867	826	1216	3994	4571	1080	1328	1000	4113	3074	2993	2796	12
13	836	781	1378	4662	2960	848	1239	1103	4139	3054	2966	2935	13
14	854	1035	1321	2504	2710	843	1199	1032	4118	3014	3018	2895	14
15	788	938	3882	1697	2822	904	1102	1208	4125	3011	3000	2947	15
16	753	852	1998	1416	2174	892	1144	927	4094	3089	2988	2936	16
17	750	843	1478	1207	1940	1058	1147	1774	4037	3071	2972	2941	17
18	685	907	938	1131	1798	1299	1344	1682	3876	3039	2938	3017	18
19	713	942	764	1547	1746	1048	1331	2356	3897	2884	2933	2938	19
20	707	764	744	4775	1570	1079	1311	2227	3950	2917	2994	2948	20
21	762	1102	690	5501	1450	1066	1298	2172	3776	2997	2974	2897	21
22	801	1108	921	3146	1362	1118	1376	2462	3706	3094	3004	2928	22
23	759	1015	1290	2517	1482	1194	1670	2835	3662	2975	2938	2930	23
24	732	1130	1221	1750	1726	1264	1300	3961	3680	2954	2943	2941	24
25	850	1065	1323	1646	1603	1237	1143	3870	3615	2993	2922	2913	25
26	660	1061	1080	2540	1446	1290	1146	3536	3635	2962	2966	2843	26
27	698 A	1035	1071	2118	1568	1459	1186 B	4099	3633	2791	2932	2956	27
28	728	1028	1095	1742	2480	1522	1190	4233	3651	2750	2916	2961	28
29	862	1170	985	1440		1661	1135	4179	3673	2855	2961	2944	29
30	765	1111	896	1274		1722	1168	4161	3326	2932	2925	2914	30
31	736		895	1135		1807		4158		2912	2944		31
MEAN	777	938	1318	1887	1974	1256	1323	2088	3938	3025	2953	2946	MEAN
MAX.	1008	1211	3882	5501	6117	2153	1752	4233	4175	3635	3052	3022	MAX.
MIN.	660	764	690	789	846	843	1102	927	3326	2750	2854	2796	MIN.
AC. FT.	47810	55790	81030	116010	109630	77230	78630	128380	234340	186000	181580	175320	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
2033											1,471,750

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
1969	A71121	FOLSOM LAKE NEAR FOLSOM

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1680	1530	1260	2250	10160	13580	11600	9900	8910	3250	2990	1510	1
2	1750	2180	1440	2120	9500	11140	11510	9730	8320	3510	2740	1980	2
3	1830	4370	2330	2780	9010	9540	10680	9340	9400	3340	1870	2270	3
4	1760	3770	2340	2550	7610	8430	9640	8650	9210	2880	2120	2580	4
5	1700	3660	1970	2020	10400	8440	13340	8140	8730	2940	2970	2470	5
6	821	2820	2050	1930	13700	8150	12640	8860	8640	3150	2440	2360	6
7	1100	1620	2420	2670	11460	7760	10490	10430	8120	3010	2910	2070	7
8	1950	2480	1300	3130	9090	6890	10190	10630	8020	3220	2590	2100	8
9	1920	2080	1060	2590	7730	6120	9310	11330	7270	3090	2860	2310	9
10	1850	1160	2740	2750	6970	5480	8950	12170	7110	3240	1790	2670	10
11	2060	1210	4290	3340	10050	6170	8870	12340	6840	3160	1700	2280	11
12	1850	2560	3400	3760	14500	6620	9480	14060	6580	3100	2500	2080	12
13	1130	2880	2840	12730	11270	6250	9690	12760	6330	2460	1550	1960	13
14	1280	2820	4290	19260	10390	6270	9480	12160	6680	2360	2850	880	14
15	1980	2690	3100	8470	14670	6170	9610	11480	6530	2930	2340	1710	15
16	2010	2280	4360	6140	13700	4840	8650	10970	7360	2580	2900	2100	16
17	2140	1380	3210	4720	10890	4910	9080	11540	7980	2960	1560	2550	17
18	1910	2050	2790	4500	10590	6090	9780	12440	7120	3180	1710	2420	18
19	1810	2980	2850	30430	9690	6160	10310	11820	6550	2700	2890	2460	19
20	1110	2690	3010	72070	9040	6400	10150	10470	6560	2340	2520	2080	20
21	1190	2540	2780	71360	8710	6730	10490	10230	6350	2210	2510	1150	21
22	1680	2420	2190	44600	8090	6460	11810	10310	5390	2450	2850	991	22
23	1270	2070	2460	19300	9700	5540	12690	11030	5100	2390	2380	2370	23
24	1320	1430	3760	15810	11200	5400	11410	11330	5200	2330	2040	2520	24
25	1330	1750	7610	31360	14300	6340	10080	10600	4500	2430	1560	3080	25
26	872	2380	5400	49020	12630	7010	9510	10330	4230	2710	2920	2690	26
27	870 A	2260	4100	24830	10590	7980	8890 B	10030	3970	2330	2370	2330	27
28	857	1650	3400	17650	12440	8770	9000	9820	2920	1930	2570	1310	28
29	1680	1530	2600	13920		9730	9790	9080	2180	2440	2640	1080	29
30	1470	1960	2990	12050		10130	9840	8930	2530	2940	2700	2320	30
31	1550		2960	10640		11030		8760		2520	1720		31
MEAN	1540	2307	3010	16153	10646	7436	10232	10635	6488	2777	2389	2089	MEAN
MAX.	2140	4370	7610	72070	14670	13580	13340	14060	9400	3510	2990	3080	MAX.
MIN.	821	1160	1060	1930	6970	4840	8650	8140	2180	1930	1550	880	MIN.
AC. FT.	94740	137260	185060	993220	591230	457250	608110	653890	386040	170740	146900	124330	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
6284											4,548,770

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	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, 012 mile north of State Highway 20, 3.9 miles east of Meridian

Appendix C

GROUND WATER MEASUREMENTS

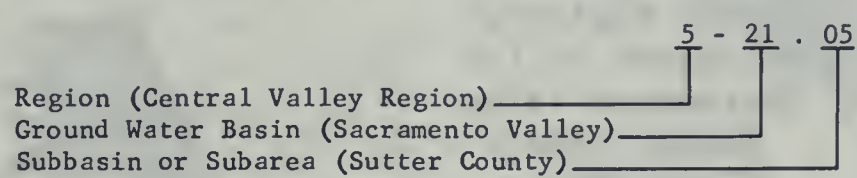
INTRODUCTION

This appendix contains ground water level measurements from 2,406 wells for the period October 1, 1968, through September 30, 1969. It contains hydrographs of selected wells and tables which summarize the measurements.

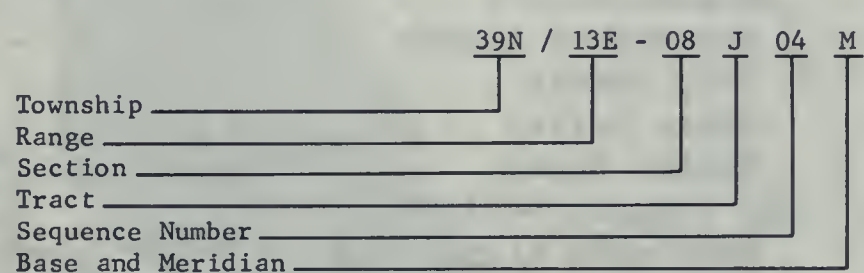
There are 37 ground water basins or areas in the Northern Central Valley Region and the Northern Lahontan Region for which data are reported. Wells are selected to reflect the ground water conditions of the area. These wells are continuously reviewed, and when conditions dictate, replacement wells are 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 13040 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

Number		Page
	CENTRAL VALLEY REGION 5-00.00	
5-01.00	Goose Lake Valley	300, 311
5-02.00	Alturas Basin	300, 311
5-04.00	Big Valley	300, 311
5-36.00	Round Valley	300, 311
5-05.00	Fall River Valley	300, 311
5-06.00	Redding Basin	300, 312
5-11.00	Mohawk Valley	300, 312
5-12.00	Sierra Valley	300, 312
5-13.00	Upper Lake Valley	300, 313
5-14.00	Scott Valley	300, 313
5-15.00	Kelseyville Valley	300, 314
5-31.00	Long Valley	300, 315
5-16.00	High Valley	300, 315
5-17.00	Burns Valley	300, 315
5-30.00	Lower Lake Area	300, 315
5-18.00	Coyote Valley	300, 315
5-19.00	Collayomi Valley	300, 315
5-21.00	Sacramento Valley	
5-21.01	Tehama County	300, 316
5-21.02	Glenn County	300, 317
5-21.03	Butte County	300, 320
5-21.04	Colusa County	300, 323
5-21.05	Sutter County	300, 325
5-21.06	Yuba County	300, 327
5-21.07	Placer County	301, 329
5-21.08	Sacramento County	301, 331
5-21.09	Yolo County	301, 336
5-21.10	Capay Valley	301, 341
5-21.11	Solano County	301, 341
5-22.00	San Joaquin Valley	
5-22.01	Mokelumne River Area	301, 344
5-22.02	Calaveras River Area	301, 347
5-22.03	Farmington-Collegeville Area	301, 350
5-22.05	South San Joaquin Irrigation District	301, 352
5-22.52	Delta Area	301, 352
	LAHONTAN REGION 6-00.00	
6-01.00	Surprise Valley	301, 353
6-02.00	Madeline Plains	301, 353
6-04.00	Honey Lake Valley	301, 353
6-05.00	Tahoe Valley	
6-05.01	South Tahoe Valley	301, 354

GROUND WATER BASINS IN NORTHEASTERN CALIFORNIA

TABLE C-1

AVERAGE CHANGE OF GROUND WATER LEVELS AND SUMMARY OF WELL MEASUREMENTS REPORTED

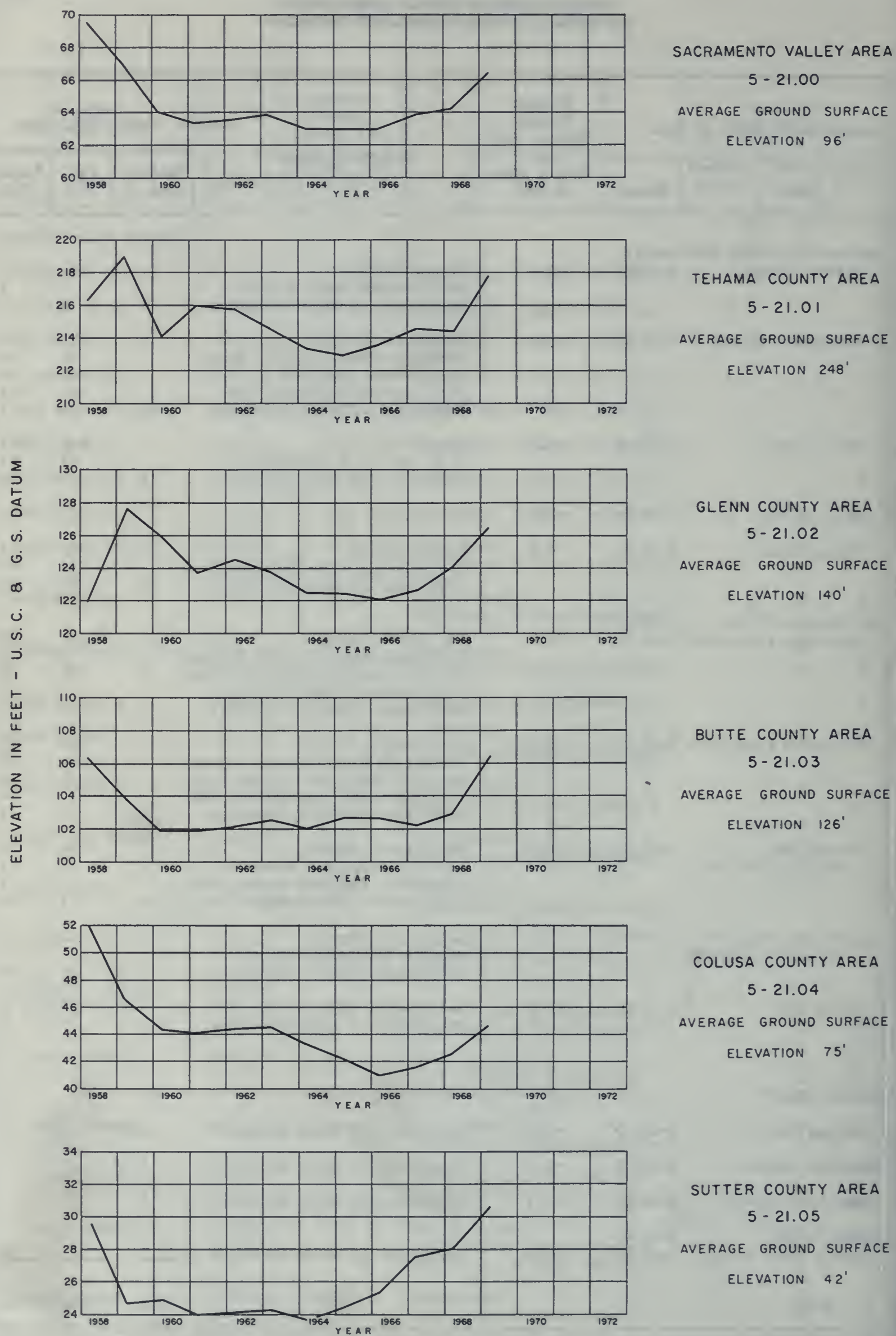
Ground Water Basin or Area		Average Change Spring 1968 to Spring 1969 in Feet	Measuring Agency	Number of Wells Reported		
Name	Number			Monthly 1968-69	Fall 1968	Spring 1969
CENTRAL VALLEY REGION						
Goose Lake Valley	5-01.00	-2.3	Department of Water Resources	2		
Alturas Basin	5-02.00	+1.4	Department of Water Resources	6		
Big Valley	5-04.00	+0.5	Department of Water Resources	4		
Round Valley	5-36.00	+1.6	Department of Water Resources	2		
Fall River Valley	5-05.00	+0.7	Department of Water Resources	3		
Redding Basin	5-06.00	+3.4	Department of Water Resources	9		
Mohawk Valley	5-11.00	+0.1	Department of Water Resources		2	2
Sierra Valley	5-12.00	+0.7	Department of Water Resources	6	38	40
Upper Lake Valley	5-13.00	-0.8	Lake County		19	20
			Department of Water Resources	3	4	4
Scott Valley	5-14.00	-0.7	Lake County		7	7
			Department of Water Resources	1	1	1
Kelseyville Valley	5-15.00	+0.5	Lake County		62	62
			Department of Water Resources	4	10	10
Long Valley	5-31.00	-1.2	Department of Water Resources		2	2
High Valley	5-16.00	+11.6	Lake County		5	5
			Department of Water Resources	1		
Burns Valley	5-17.00	-0.5	Lake County		2	2
			Department of Water Resources	1		
Lower Lake Area	5-30.00	-2.6	Lake County		2	2
			Department of Water Resources	1		
Coyote Valley	5-18.00	+0.1	Lake County		8	7
			Department of Water Resources	1		
Collayomi Valley	5-19.00	+0.3	Lake County		13	13
			Department of Water Resources	1		
Sacramento Valley	5-21.00					
Tehama County	5-21.01	+3.4	U. S. Bureau of Reclamation		6	6
			Department of Water Resources	15	67	67
Glenn County	5-21.02	+2.3	Glenn County		118	118
			U. S. Bureau of Reclamation		25	25
			Department of Water Resources	13		
Butte County	5-21.03	+3.4	Butte County		129	129
			Department of Water Resources	14		
Colusa County	5-21.04	+2.1	U. S. Bureau of Reclamation		35	35
			Department of Water Resources	8	43	43
Sutter County	5-21.05	+2.6	Sutter County		108	108
			South Sutter Water District		26	26
			Department of Water Resources	18	9	7
Yuba County	5-21.06	+2.1	Yuba County		74	73
			Department of Water Resources	9	24	18

TABLE C-1 (Continued)

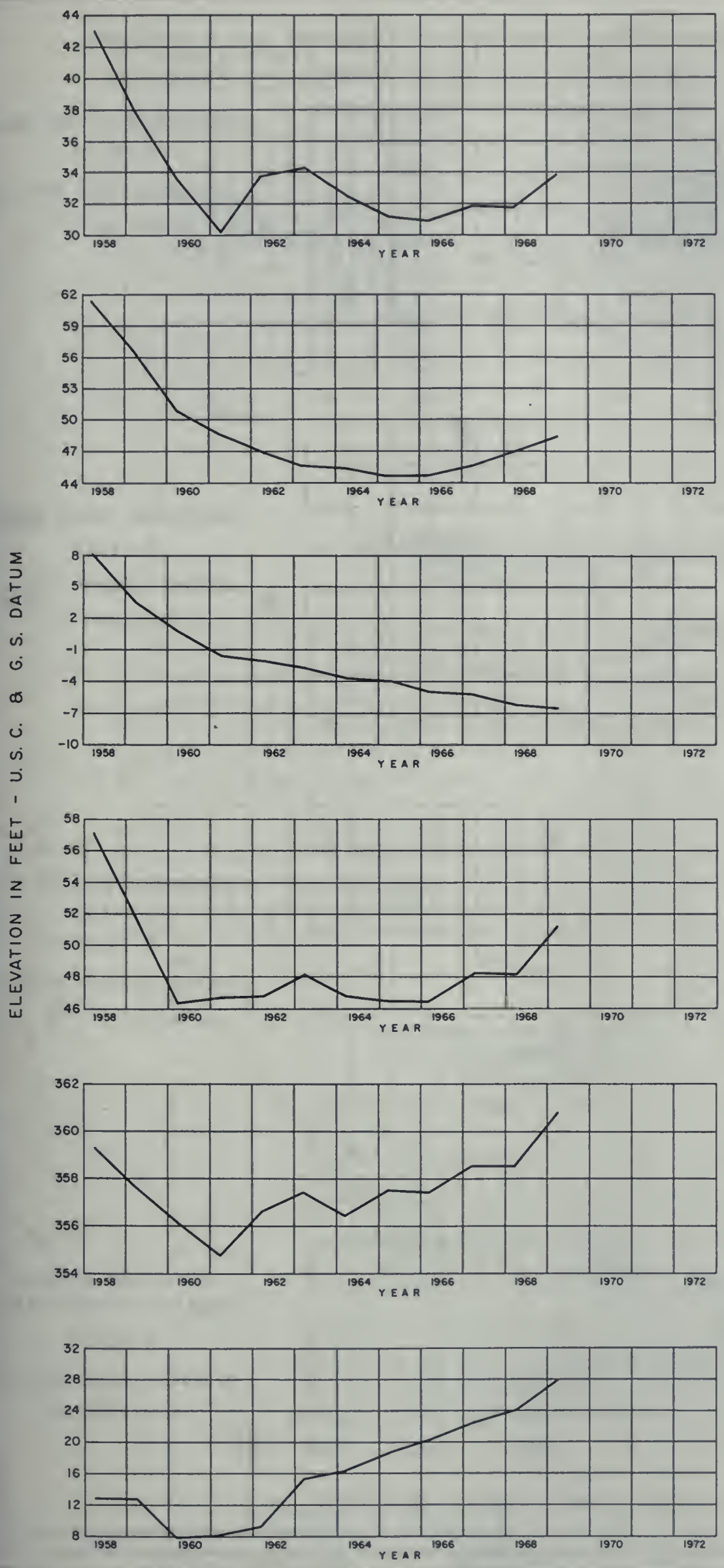
AVERAGE CHANGE OF GROUND WATER LEVELS AND SUMMARY OF WELL MEASUREMENTS REPORTED

Ground Water Basin or Area		Average Change Spring 1968 to Spring 1969 in Feet	Measuring Agency	Number of Wells Reported		
Name	Number			Monthly 1968-69	Fall 1968	Spring 1969
Sacramento Valley (Continued)						
Placer County	5-21.07	+1.4	Placer County		82	81
			South Sutter Water District		2	2
			Department of Water Resources	7	9	3
Sacramento County	5-21.08	-0.3	Sacramento County		105	105
			Sacramento Muni. Utility Dist.		18	18
			Arcade Water District		40	40
			U. S. Bureau of Reclamation		102	101
			Department of Water Resources	18	63	61
Yolo County	5-21.09	+3.0	Yolo County		179	177
			U. S. Bureau of Reclamation		89	87
			Department of Water Resources	13	28	60
Capay Valley	5-21.10	+2.2	Yolo County		21	21
Solano County	5-21.11	+3.8	Solano County		30	29
			U. S. Bureau of Reclamation		97	97
			Department of Water Resources	12	23	23
San Joaquin Valley	5-22.00					
Mokelumne River Area	5-22.01	+1.0	San Joaquin County		92	92
			California Water Service Company		4	4
			East Bay Municipal Utility Dist.	1	64	63
			U. S. Bureau of Reclamation		4	4
			Department of Water Resources	9	37	31
Calaveras River Area	5-22.02	-1.2	San Joaquin County		85	85
			California Water Service Company		20	20
			East Bay Municipal Utility Dist.		4	4
			Stockton & East San Joaquin WCD			36
			Department of Water Resources	8	38	31
Farmington-Collegeville Area	5-22.03	-0.7	San Joaquin County		60	59
			Oakdale Irrigation District		2	2
			Stockton & East San Joaquin WCD			1
			Department of Water Resources	7	17	10
South San Joaquin Irrigation District	5-22.05	+1.0	San Joaquin County		2	2
			Oakdale Irrigation District		1	1
			Department of Water Resources	7	24	25
Delta Area	5-22.52	+3.4	San Joaquin County		2	2
			Department of Water Resources	5	9	9
LAHONTAN REGION						
Surprise Valley	6-01.00	+0.3	Department of Water Resources	6		
Madeline Plains	6-02.00	+0.4	Department of Water Resources	3		
Honey Lake Valley	6-04.00	+1.1	Department of Water Resources	5		
Tahoe Valley	6-05.00					
South Tahoe Valley	6-05.01	+1.0	Department of Water Resources		27	27
TOTAL				223	2,215	2,245

FIGURE C-2 SHEET 1 OF 3



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'

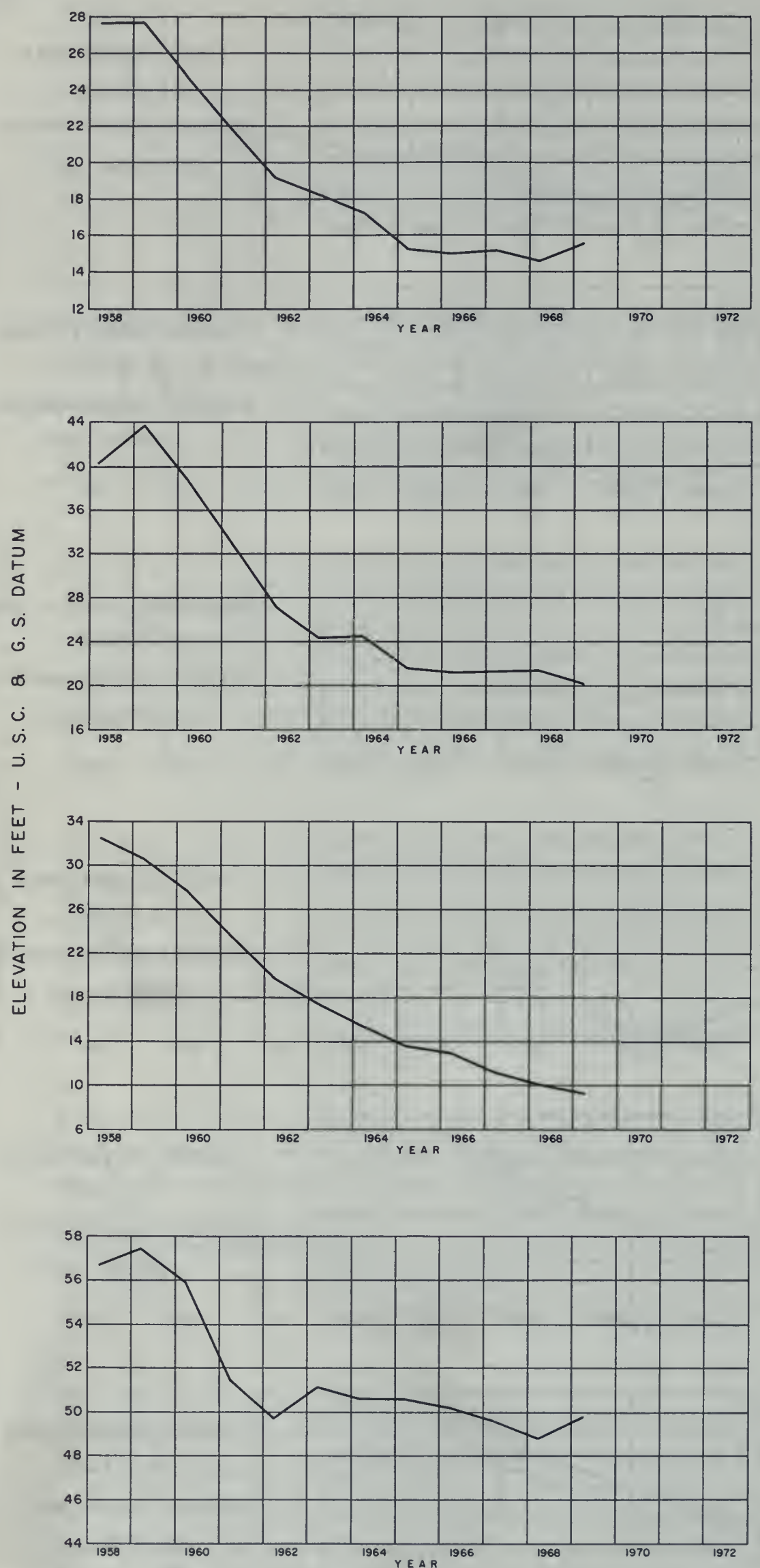
SACRAMENTO COUNTY AREA
5-21.08
AVERAGE GROUND SURFACE
ELEVATION 52'

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



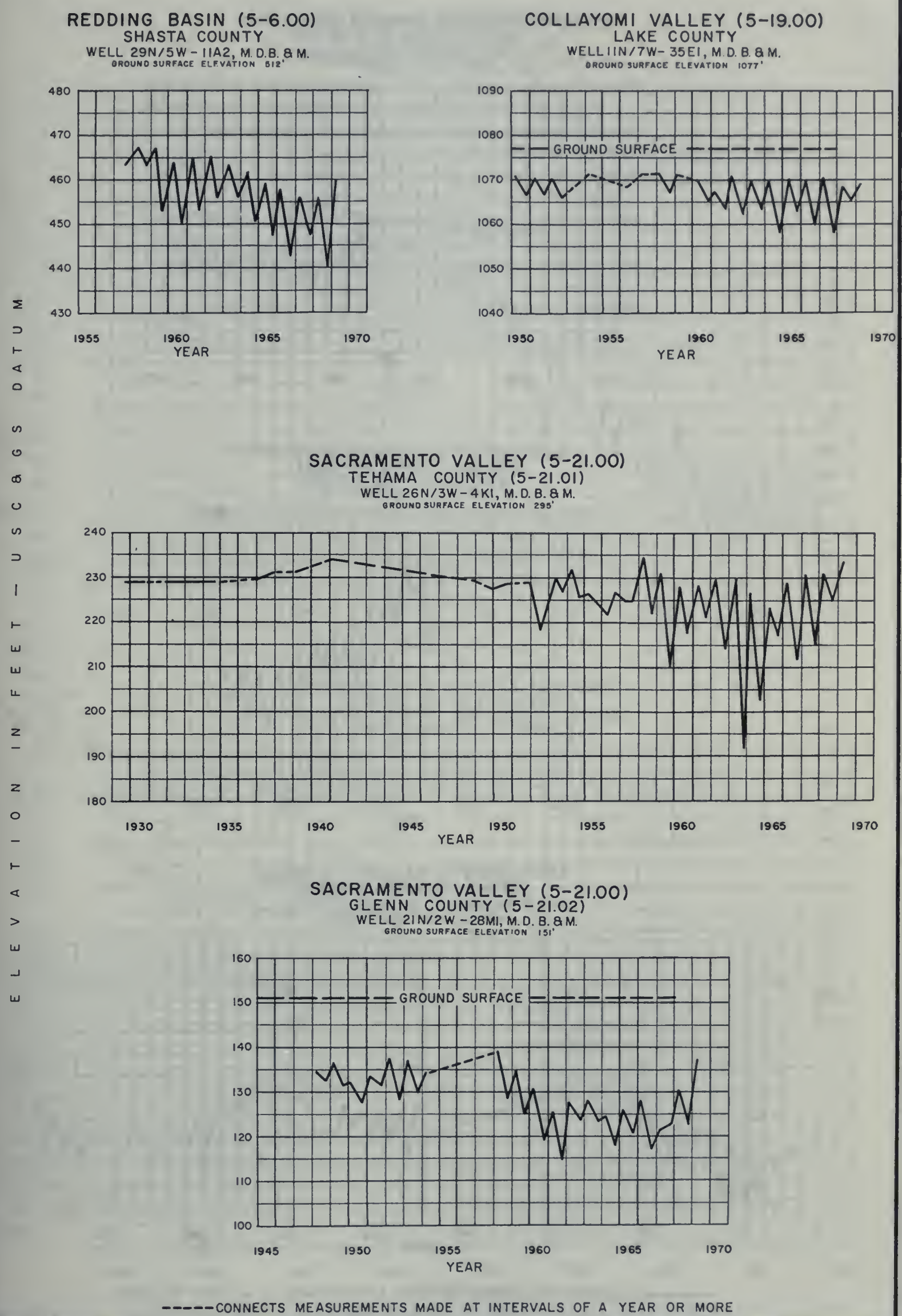
MOKELUMNE RIVER AREA
5-22.01
AVERAGE GROUND SURFACE
ELEVATION 73'

CALAVERAS RIVER AREA
5-22.02
AVERAGE GROUND SURFACE
ELEVATION 97'

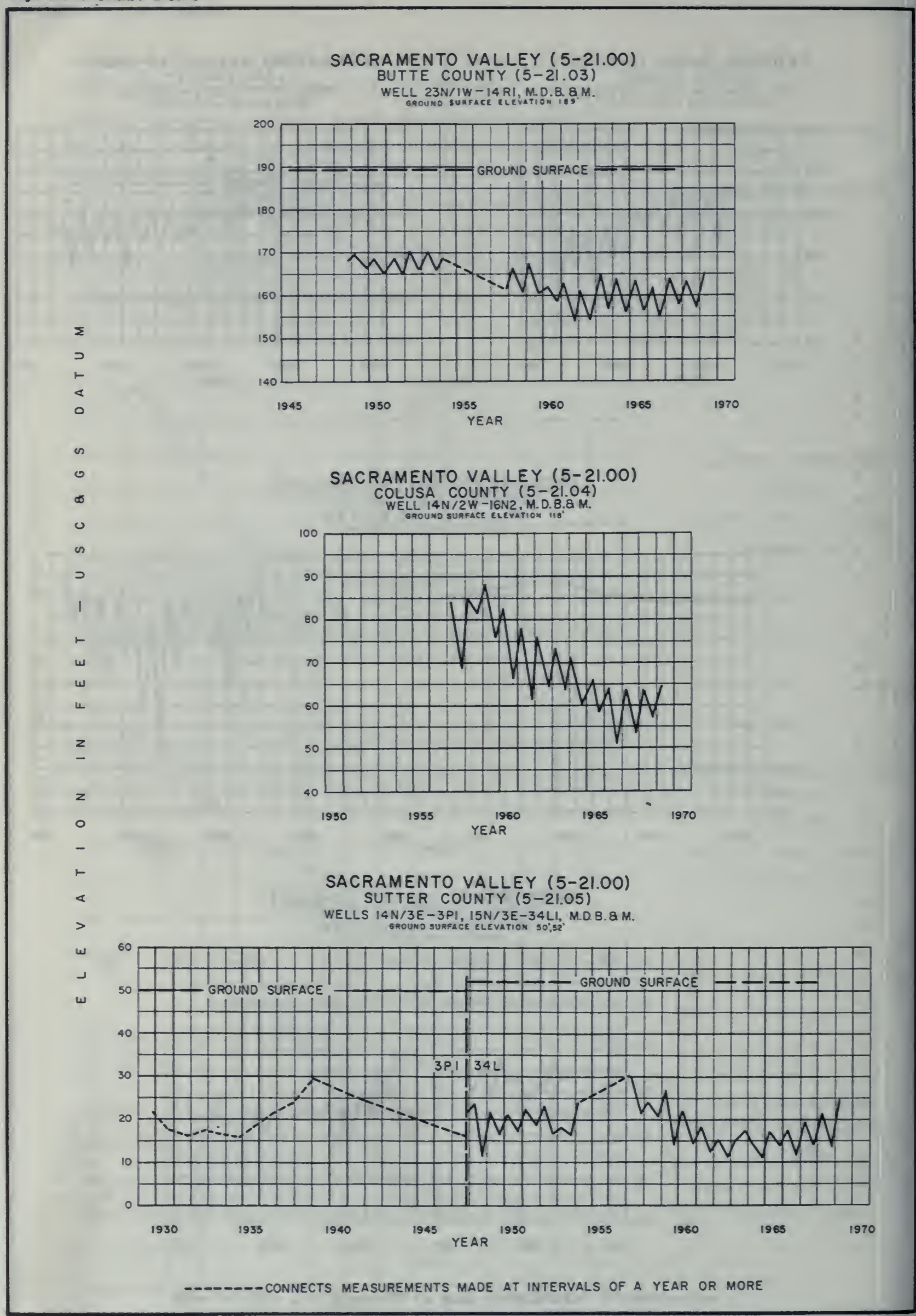
FARMINGTON - COLLEGEVILLE
AREA
5-22.03
AVERAGE GROUND SURFACE
ELEVATION 78'

SOUTH SAN JOAQUIN
IRRIGATION DISTRICT AREA
5-22.05
AVERAGE GROUND SURFACE
ELEVATION 69'

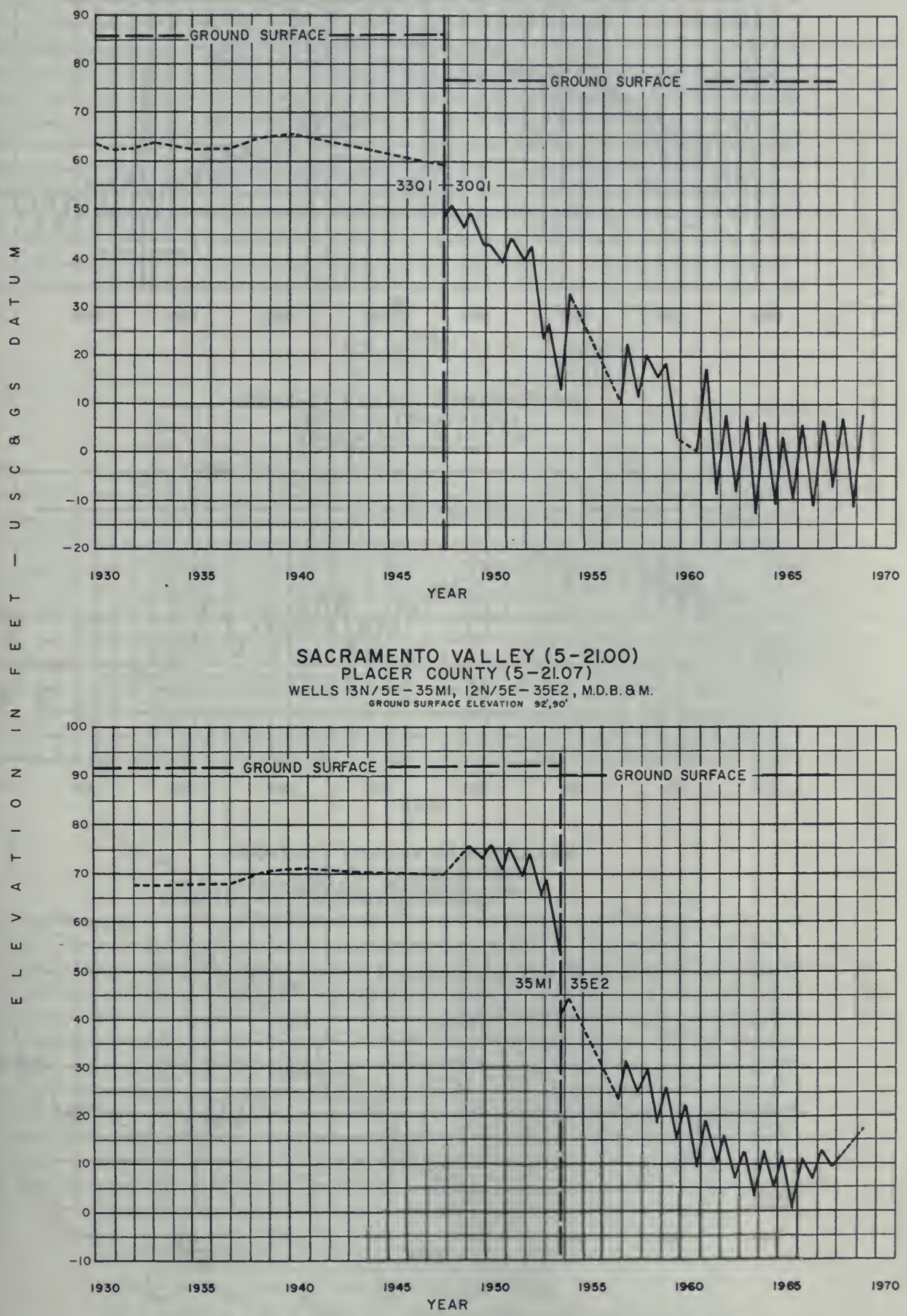
FLUCTUATION OF AVERAGE GROUND WATER LEVEL IN SELECTED AREAS



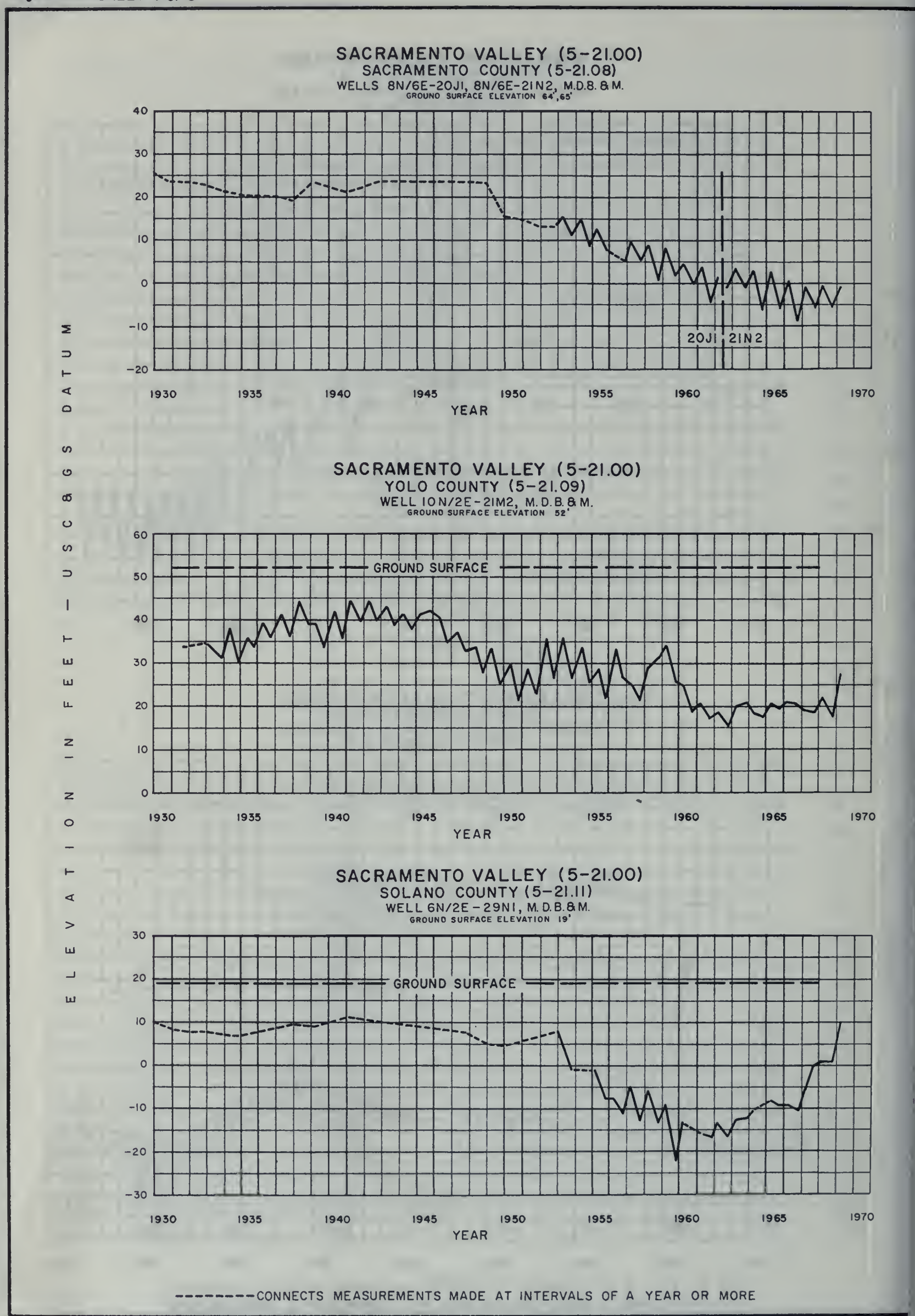
FLUCTUATION OF WATER LEVEL IN WELLS



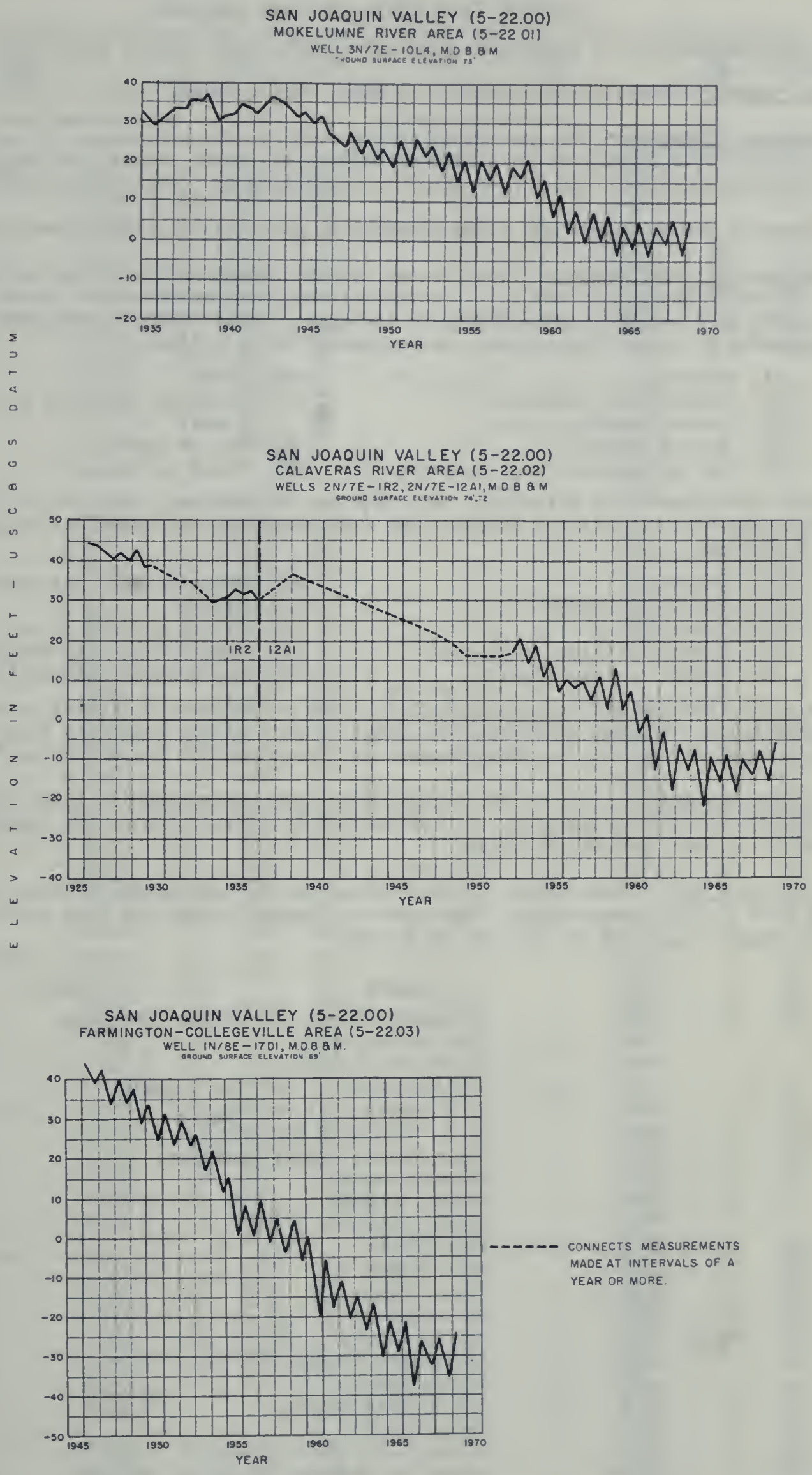
FLUCTUATION OF WATER LEVEL IN WELLS



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	10-21-68	50.8	4746.1	5050
		11-20-68	50.5	4746.4	5050
		12-17-68	49.9	4747.0	5050
		2-18-69	48.6	4748.3	5050
		3-18-69	48.5	4748.4	5050
		4-16-69	47.9	4749.0	5050
		5-21-69	47.5	4749.4	5050
		6-17-69	47.9	4749.0	5050
		7-23-69	47.8	4749.1	5050
		8-19-69	51.0	4745.9	5050
		9-18-69	51.1	4745.8	5050
48N/14E-24A03M	4847.3	10-21-68	17.2	4830.1	5050
		11-20-68	15.4	4831.9	5050
		12-18-68	17.0	4830.3	5050
		2-18-69	17.4	4829.9	5050
		3-18-69	19.2	4828.1	5050
		4-16-69	16.1	4831.2	5050
		5-21-69	10.6	4836.7	5050
		6-17-69	14.6	4832.7	5050
		7-23-69	15.9	4831.4	5050
		8-19-69	17.0	4830.3	5050
		9-19-69	18.2	4829.1	5050
ALTURAS BASIN 5-02.00					
39N/13E-08K04M	4453.4	10-22-68	20.3	4433.1	5050
		11-21-68	21.3	4432.1	5050
		12-18-68	20.5	4432.9	5050
		2-19-69	21.3	4432.1	5050
		3-19-69	22.3	4431.1	5050
		4-17-69	21.8	4431.6	5050
		5-21-69	21.1	4432.3	5050
		6-17-69	20.9	4432.5	5050
		7-24-69	20.7	4432.7	5050
		8-20-69	20.6	4432.8	5050
		9-18-69	21.6	4431.8	5050
41N/10E-06D01M	4303.4	10-21-68	7.5	4295.9	5050
		11-20-68	7.6	4295.8	5050
		12-17-68	7.4	4296.0	5050
		2-18-69	5.2	4298.2	5050
		3-18-69	5.0	4298.4	5050
		4-16-69	5.5	4297.9	5050
		5-20-69	5.6	4297.8	5050
		6-16-69	6.0	4297.4	5050
		7-23-69	6.4	4297.0	5050
		8-19-69	7.0	4296.4	5050
		9-19-69	8.0	4295.4	5050
41N/12E-11D01M	4382.6	10-22-68	22.5	4360.1	5050
		11-21-68	22.5	4360.1	5050
		12-17-68	22.2	4360.4	5050
		2-19-69	22.0	4360.6	5050
		3-18-69	21.0	4361.6	5050
		4-16-69	21.0	4361.6	5050
		5-21-69	21.2	4361.4	5050
		6-17-69	21.2	4361.4	5050
		7-24-69	21.5	4361.1	5050
		8-19-69	21.7	4360.9	5050
		9-18-69	22.0	4360.6	5050
42N/11E-30C01M	4340.6	10-21-68	10.1	4330.5	5050
		11-20-68	10.6	4330.0	5050
		12-17-68	10.0	4330.6	5050
		2-18-69	(9)		5050
		3-18-69	7.0	4333.6	5050
		4-16-69	6.8	4333.8	5050
		5-20-69	7.5	4333.1	5050
		6-16-69	7.3	4333.3	5050
		7-23-69 (4)	22.5	4318.1	5050
		8-19-69	(1)		5050
		9-19-69	10.2	4330.4	5050
42N/13E-06P01M	4398.0	10-22-68	8.0	4390.0	5050
		11-20-68	(2)		5050
		12-17-68	7.6	4390.4	5050
		2-18-69	5.0	4393.0	5050
		3-18-69	5.1	4392.9	5050
		4-16-69	5.9	4392.1	5050
		5-20-69	6.5	4391.5	5050
		6-16-69	6.5	4391.5	5050
		7-23-69	6.3	4391.7	5050
		8-19-69	7.2	4390.8	5050
		9-18-69	7.2	4390.8	5050
42N/13E-34M01M	4431.1	10-22-68	11.6	4419.5	5050
		11-21-68	11.4	4419.7	5050
		12-17-68	10.7	4420.4	5050
		2-19-69	8.6	4422.5	5050
		3-19-69	8.8	4422.3	5050
		4-16-69	8.3	4422.8	5050
		5-21-69	8.8	4422.3	5050
		6-17-69	9.2	4421.9	5050
		7-24-69	10.2	4420.9	5050
		8-20-69	10.5	4420.6	5050
		9-20-69	11.8	4419.3	5050
BIG VALLEY 5-04.00					
38N/07E-32A02M	4115.5	10-21-68	6.2	4109.3	5050
		11-20-68	6.5	4109.0	5050
		12-17-68	6.1	4109.4	5050
		2-18-69	2.3	4113.2	5050
		3-18-69	1.6	4113.9	5050
BIG VALLEY 5-04.00 (Continued)					
38N/07E-32A02M (Continued)	4115.5	4-16-69	2.0	4113.5	5050
		5-20-69	2.3	4113.2	5050
		6-16-69	3.9	4111.6	5050
		7-23-69	4.7	4110.8	5050
		8-19-69	5.3	4110.2	5050
		9-19-69	6.4	4109.1	5050
38N/07E-32N01M	4149.5	10-21-68	41.3	4108.2	5050
		11-20-68	40.9	4108.6	5050
		12-17-68	40.7	4108.8	5050
		2-18-69	39.5	4110.0	5050
		3-18-69	39.5	4110.0	5050
		4-16-69	38.7	4110.8	5050
		5-20-69	38.2	4111.3	5050
		6-16-69	38.3	4111.2	5050
		7-23-69	39.3	4110.2	5050
		8-19-69	40.7	4108.8	5050
		9-19-69	40.9	4108.6	5050
38N/08E-17K01M	4149.9	10-21-68	7.8	4142.1	5050
		11-20-68	7.7	4142.2	5050
		12-17-68	7.7	4142.2	5050
		2-18-69	4.5	4145.4	5050
		3-18-69	4.5	4145.4	5050
		4-16-69	4.3	4145.6	5050
		5-20-69	6.9	4143.0	5050
		6-16-69	6.1	4143.8	5050
		7-23-69	(1)		5050
		8-19-69	7.3	4142.6	5050
		9-19-69	8.6	4141.3	5050
39N/09E-28F01M	4203.2	10-21-68	6.8	4196.4	5050
		11-20-68	6.5	4196.7	5050
		12-17-68	6.2	4197.0	5050
		2-18-69	4.5	4198.7	5050
		3-18-69	4.2	4199.0	5050
		4-16-69	4.8	4198.4	5050
		5-20-69	5.5	4197.7	5050
		6-16-69	6.5	4196.7	5050
		7-23-69	7.0	4196.2	5050
		8-18-69	(1)		5050
		9-19-69	7.1	4196.1	5050
ROUND VALLEY 5-36.00					
39N/09E-02P02M	4286.1	10-21-68	6.5	4279.6	5050
		11-20-68	5.9	4280.2	5050
		12-17-68	5.1	4281.0	5050
		2-18-69	1.7	4284.4	5050
		3-18-69	1.9	4284.2	5050
		4-16-69	2.9	4283.2	5050
		5-20-69	3.9	4282.2	5050
		6-16-69	4.0	4282.1	5050
		7-23-69	4.9	4281.2	5050
		8-18-69	5.7	4280.4	5050
		9-19-69	6.6	4279.5	5050
39N/09E-10K01M	4242.4	10-21-68	12.4	4230.0	5050
		11-20-68	10.4	4232.0	5050
		12-17-68	(0)		5050
39N/09E-10P01M	4229.9	10-21-68	10.4	4219.5	5050
		11-20-68	10.3	4219.6	5050
		12-17-68	9.8	4220.1	5050
		2-18-69	7.4	4222.5	5050
		3-18-69	6.2	4223.7	5050
		4-16-69	4.0	4225.9	5050
		5-20-69	5.2	4224.7	5050
		6-16-69	6.5	4223.4	5050
		7-23-69	8.0	4221.9	5050
		8-18-69	8.7	4221.2	5050
		9-19-69	10.1	4219.8	5050
FALL RIVER VALLEY 5-05.00					
37N/05E-01J01M	3322.7	10-21-68	10.0	3312.7	5050
		11-20-68	9.7	3313.0	5050
		12-17-68	9.5	3313.2	5050
		2-18-69	7.1	3315.6	5050
		3-18-69	6.1	3316.6	5050
		4-16-69	6.0	3316.7	5050
		5-20-69	8.7	3314.0	5050
		6-16-69	14.3	3308.4	5050
		7-23-69	16.7	3306.0	5050
		8-19-69	(1)		5050
		9-19-69	12.0	3310.7	5050
37N/05E-30K02M	3328.6	10-21-68	47.9	3280.7	5050
		11-20-68	48.1	3280.5	5050
		12-17-68	48.5	3280.1	5050
		2-18-69	47.9	3280.7	5050
		3-18-69	48.0	3280.6	5050
		4-16-69	48.0	3280.6	5050
		5-20-69	47.9	3280.7	5050
		6-16-69	47.6	3281.0	5050
		7-23-69	47.8	3280.8	5050
		8-19-69	47.7	3280.9	5050
		9-19-69	47.7	3280.9	5050
38N/04E-33F01M	3318.0	10-21-68	7.1	3310.9	5050
		11-20-68	6.5	3311.5	5050
		12-17-68	5.5	3312.5	5050
		2-18-69	4.3	3313.7	5050
		3-18-69	3.9	3314.1	5050
		4-16-69	3.5	3314.5	5050
		5-20-69	3.7	3314.3	5050
		6-16-69	3.6	3314.4	5050
		7-23-69	4.7	3313.3	5050
		8-19-69	6.3	3311.7	5050
		9-19-69	6.0	3312.0	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
REDDING BASIN 5-06.00					
29N/03W-06P01M	409.7	10-21-68	33.0	376.7	5050
		11-22-68	32.8	376.9	5050
		12-16-68	31.9	377.8	5050
		1-16-69	27.9	381.8	5050
		2-20-69	26.9	382.8	5050
		3-20-69	30.2	379.5	5050
		4-18-69	30.5	379.2	5050
		5-16-69	31.3	378.4	5050
		6-18-69	31.9	377.8	5050
		7-17-69	32.0	377.7	5050
		8-18-69	34.1	375.6	5050
		9-17-69	33.4	376.3	5050
29N/04W-02P01M	445.0	10-21-68	57.5	387.5	5050
		11-22-68	57.5	387.5	5050
		12-16-68	57.3	387.7	5050
		1-16-69	55.8	389.2	5050
		2-20-69	55.4	389.6	5050
		3-20-69	55.4	389.6	5050
		4-18-69	56.6	388.4	5050
		5-16-69	59.5	385.5	5050
		6-18-69	57.3	387.7	5050
		7-17-69	58.7	386.3	5050
		8-18-69	58.5	386.5	5050
		9-17-69	58.3	386.7	5050
29N/04W-04R03M	505.0	7-09-69	58.5	446.5	5050
		8-18-69	59.0	446.0	5050
		9-17-69	60.4	444.6	5050
29N/05W-07B01M	549.0	10-21-68	48.8	500.2	5050
		11-22-68	48.7	500.3	5050
		12-16-68	48.3	500.7	5050
		1-16-69	52.0	497.0	5050
		2-20-69	44.0	505.0	5050
		3-20-69	44.3	504.7	5050
		4-18-69	43.0	506.0	5050
		5-16-69	44.0	505.0	5050
		6-18-69	44.9	504.1	5050
		7-17-69	46.0	503.0	5050
		8-18-69	46.5	502.5	5050
		9-17-69	47.4	501.6	5050
29N/05W-11A02M	512.0	10-21-68	72.0	440.0	5050
		11-22-68	(7)		5050
		12-16-68	56.0	456.0	5050
		1-16-69	53.2	458.8	5050
		2-20-69	52.8	459.2	5050
		3-20-69	52.0	460.0	5050
		4-18-69	49.4	462.6	5050
		5-16-69	64.5	447.5	5050
		6-18-69	82.5	429.5	5050
		7-17-69	(1)		5050
		8-18-69	(1)		5050
		9-17-69	(1)		5050
30N/04W-03Q01M	473.3	10-22-68	72.6	400.7	5050
		11-21-68	73.3	400.0	5050
		12-16-68	72.8	400.5	5050
		1-16-69	72.3	401.0	5050
		2-20-69	70.0	403.3	5050
		3-20-69	71.1	402.2	5050
		4-18-69	72.5	400.8	5050
		5-16-69	75.3	398.0	5050
		6-18-69	76.9	396.4	5050
		7-17-69	77.9	395.4	5050
		8-18-69	79.3	394.0	5050
		9-17-69	78.7	394.6	5050
30N/04W-06B03M	450.0	10-22-68	58.4	391.6	5050
		11-21-68	59.0	391.0	5050
		12-16-68	55.1	394.9	5050
		1-17-69	54.0	396.0	5050
		2-20-69	52.2	397.8	5050
		3-20-69	54.4	395.6	5050
		4-18-69	54.8	395.2	5050
		5-16-69	60.0	390.0	5050
		6-18-69	60.2	389.8	5050
		7-17-69	61.0	389.0	5050
		8-18-69	64.0	386.0	5050
		9-17-69	62.8	387.2	5050
31N/03W-29N01M	416.4	10-22-68	24.3	392.1	5050
		11-21-68	22.4	394.0	5050
		12-16-68	21.8	394.6	5050
		1-16-69	19.4	397.0	5050
		2-20-69	17.9	398.5	5050
		3-20-69	18.9	397.5	5050
		4-18-69	18.4	398.0	5050
		5-16-69	24.4	392.0	5050
		6-18-69	25.8	390.6	5050
		7-17-69	27.5	388.9	5050
		8-18-69	27.3	389.1	5050
		9-17-69	25.4	391.0	5050
31N/04W-16H01M	512.0	7-25-69	109.1	402.9	5050
		7-29-69	109.7	402.3	5050
		8-04-69	110.0	402.0	5050
		8-18-69	111.3	400.7	5050
		9-17-69	112.2	399.8	5050
		9-23-69	111.2	400.8	5050
		9-24-69	111.2	400.8	5050
		9-26-69	111.5	400.5	5050
		9-30-69	111.8	400.2	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
REDDING BASIN 5-06.00 (Continued)					
31N/04W-27P01M	492.0	10-22-68	85.7	406.3	5050
		11-21-68	86.4	405.6	5050
		12-16-68	86.2	405.8	5050
		1-16-69	84.5	407.5	5050
		2-20-69	82.3	409.7	5050
		3-20-69	82.8	409.2	5050
		4-18-69	85.8	406.2	5050
		5-16-69	87.0	405.0	5050
		6-18-69	89.0	403.0	5050
		7-17-69	90.4	401.6	5050
		8-18-69	91.4	400.6	5050
		9-17-69	92.2	399.8	5050
MOHAWK VALLEY 5-11.00					
22N/12E-09P01M	4352.2	10-16-68	14.4	4337.8	5050
		4-30-69	5.2	4347.0	5050
22N/12E-09Q01M	4365.5	10-16-68	9.5	4356.0	5050
		4-30-69	6.5	4359.0	5050
SIERRA VALLEY 5-12.00					
20N/14E-13Q02M	4985.6	10-29-68	2.9	4982.7	5050
		11-25-68	2.2	4983.4	5050
		12-23-68	1.1	4984.5	5050
		1-27-69	-0.2	4985.8	5050
		3-25-69	0.0	4985.6	5050
		5-01-69	1.7	4983.9	5050
		5-27-69	0.8	4984.8	5050
		6-25-69	1.7	4983.9	5050
21N/14E-25N01M	4932.0	10-29-68	13.9	4918.1	5050
		11-25-68	14.1	4917.9	5050
		12-23-68	14.4	4917.6	5050
		1-27-69	7.2	4924.8	5050
		3-25-69	2.4	4929.6	5050
		5-01-69	3.9	4928.1	5050
		5-27-69	5.5	4926.5	5050
		6-25-69	7.3	4924.7	5050
21N/14E-32G01M	4957.5	10-29-68	10.9	4946.6	5050
		11-25-68	10.8	4946.7	5050
		12-23-68	11.2	4946.3	5050
		1-27-69	9.8	4947.7	5050
		3-25-69	10.4	4947.1	5050
		5-01-69	9.5	4948.0	5050
		5-27-69	10.0	4947.5	5050
		6-25-69	9.9	4947.6	5050
21N/14E-33C01M	4919.0	10-16-68	1.2	4917.8	5050
		4-30-69	0.9	4918.1	5050
21N/14E-36Q01M	4928.5	10-17-68	DRY		5050
		5-01-69	4.5	4924.0	5050
21N/14E-04P01M	4890.7	10-17-68	9.1	4881.6	5050
		5-01-69	-0.9	4891.6	5050
21N/14E-07R01M	4892.7	10-17-68	-6.7	4899.4	5050
		5-01-69	-9.5	4902.2	5050
21N/15E-12C01M	4918.8	10-29-68	7.6	4911.2	5050
		11-25-68	7.6	4911.2	5050
		12-23-68	7.5	4911.3	5050
		1-27-69	1.0	4917.8	5050
		2-26-69	1.5	4917.3	5050
		3-25-69	1.0	4917.8	5050
		5-01-69	2.9	4915.9	5050
		5-27-69	4.0	4914.8	5050
		6-25-69	4.9	4913.9	5050
21N/15E-12N01M	4921.5	10-17-68	4.1	4917.4	5050
		5-01-69	-2.7	4924.2	5050
21N/15E-12P01M	4927.5	10-17-68	-0.3	4927.8	5050
		5-01-69	-8.6	4936.1	5050
21N/15E-17A01M	4916.2	10-17-68	-4.8	4921.0	5050
		5-01-69	-6.2	4922.4	5050
21N/15E-18F02M	4891.4	10-17-68	-5.5	4896.9	5050
		5-01-69	-6.2	4897.6	5050
21N/16E-18H01M	4995.1	10-17-68	22.5	4972.6	5050
		5-01-69	15.2	4979.9	5050
21N/16E-18H02M	4994.5	10-17-68	DRY		5050
		5-01-69	14.0	4980.5	5050
21N/16E-29E01M	5134.3	10-17-68	7.6	5126.7	5050
		5-01-69	6.1	5128.2	5050
22N/14E-02H01M	4881.2	10-16-68	8.2	4873.0	5050
		4-30-69	3.5	4877.7	5050
22N/14E-13K01M	4882.0	10-16-68	3.1	4878.9	5050
		4-30-69	2.0	4880.0	5050
22N/14E-26L01M	4894.5	10-16-68	-3.0	4897.5	5050
		4-30-69	-4.8	4899.3	5050
22N/15E-08L01M	4877.0	10-17-68	-3.8	4880.8	5050
		5-01-69	-4.6	4881.6	5050
22N/15E-14K01M	4891.0	10-17-68	21.8	4869.2	5050
		5-01-69	5.0	4886.0	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
SIERRA VALLEY 5-12.00 (Continued)					
22N/15E-16P01M	4880.4	10-17-68	(2)		5050
		5-01-69	(1)		5050
22N/15E-22Q01M	4880.9	10-17-68	6.9	4874.0	5050
		5-01-69	2.8	4878.1	5050
22N/15E-28L01M	4881.5	10-17-68	7.5	4874.0	5050
		5-01-69	-0.1	4881.6	5050
22N/15E-35H01M	4889.7	10-17-68	28.0	4861.7	5050
		5-01-69	-2.4	4892.1	5050
22N/15E-36P01M	4904.0	10-17-68 (3)	39.5	4864.5	5050
		5-01-69	0.1	4903.9	5050
22N/16E-04A01M	4932.0	10-17-68	-2.3	4934.3	5050
		5-01-69	-4.4	4936.4	5050
22N/16E-04B01M	4931.0	10-17-68	-5.1	4936.1	5050
		5-01-69	-5.4	4936.4	5050
22N/16E-17E02M	4901.3	10-17-68	0.6	4900.7	5050
		5-01-69	-2.3	4903.6	5050
22N/16E-18K01M	4896.9	10-17-68	4.5	4892.4	5050
		5-01-69	-4.3	4901.2	5050
23N/14E-25C01M	4891.7	10-16-68	10.3	4881.4	5050
		4-30-69	5.8	4885.9	5050
23N/14E-25K01M	4891.1	10-29-68	9.3	4881.8	5050
		11-25-68	9.4	4881.7	5050
		12-23-68	8.7	4882.4	5050
		1-27-69	2.0	4889.1	5050
		2-26-69	1.7	4889.4	5050
		3-25-69	0.8	4890.3	5050
		4-30-69	2.8	4888.3	5050
		5-01-69	3.0	4888.1	5050
		5-27-69	4.8	4886.3	5050
		6-25-69	6.0	4885.1	5050
23N/14E-28C02M	4888.4	10-16-68	10.5	4877.9	5050
		4-30-69	(6)		5050
23N/15E-29H01M	4896.4	10-16-68	-9.0	4905.4	5050
		4-30-69	-11.0	4907.4	5050
23N/15E-29R01M	4889.3	10-16-68	FLOW		5050
		4-30-69	FLOW		5050
23N/15E-33C03M	4893.6	10-16-68	-7.3	4900.9	5050
		4-30-69	-11.6	4905.2	5050
23N/15E-34D01M	4888.3	10-16-68	-12.9	4901.2	5050
		4-30-69	-14.2	4902.5	5050
23N/15E-36J01M	4905.7	10-16-68	5.4	4900.3	5050
		4-30-69	2.5	4903.2	5050
23N/16E-19M02M	4924.0	10-16-68	-10.1	4934.1	5050
		4-30-69	-11.8	4935.8	5050
23N/16E-24E01M	5001.2	10-16-68	-9.8	5011.0	5050
		5-01-69	-9.9	5011.1	5050
23N/16E-27R01M	4963.2	10-16-68	5.4	4957.8	5050
		4-30-69	3.1	4960.1	5050
23N/16E-28L01M	4938.5	10-16-68	-10.2	4948.7	5050
		4-30-69	-9.6	4948.1	5050
23N/16E-33C01M	4935.6	10-16-68	-5.8	4941.4	5050
		4-30-69	-6.0	4941.6	5050
23N/16E-34H01M	4964.9	10-29-68	5.6	4959.3	5050
		11-25-68	4.4	4960.5	5050
		12-23-68	4.2	4960.7	5050
		1-27-69	3.0	4961.9	5050
		3-25-69	2.9	4962.0	5050
		4-30-69	2.1	4962.8	5050
		5-01-69	2.1	4962.8	5050
		5-27-69	3.0	4961.9	5050
		6-25-69	2.6	4962.3	5050
23N/16E-36P01M	5009.3	10-16-68	14.4	4994.9	5050
		5-01-69	8.6	5000.7	5050
UPPER LAKE VALLEY 5-13.00					
15N/09W-05L01M	1385.6	10-21-68	11.6	1374.0	5111
		4-11-69	4.3	1381.3	5111
15N/09W-05P01M	1389.1	10-22-68	10.2	1378.9	5111
		4-11-69	3.3	1385.8	5111
15N/09W-06E02M	1365.6	10-21-68	15.5	1350.1	5111
		4-11-69	11.2	1354.4	5111
15N/09W-06K01M	1364.1	10-21-68	13.3	1350.8	5111
		4-11-69	7.7	1356.4	5111
15N/09W-06R01M	1361.5	10-28-68	14.7	1346.8	5111
		4-11-69	8.5	1353.0	5111
15N/09W-07G01M	1346.4	10-23-68	12.7	1333.7	5111
		10-23-68	12.6	1333.8	5050
		11-20-68	10.6	1335.8	5050
		12-19-68	8.4	1338.0	5050
UPPER LAKE VALLEY 5-13.00 (Continued)					
15N/09W-07G01M (Continued)	1346.4	1-27-69	3.4	1343.0	5050
		2-26-69	2.9	1343.5	5050
		3-27-69	3.9	1342.5	5050
		4-25-69	4.8	1341.6	5050
		5-19-69	6.6	1339.8	5050
		6-24-69	16.6	1329.8	5050
		7-29-69	27.1	1319.3	5050
		8-25-69	22.8	1323.6	5050
		9-25-69	19.1	1327.3	5050
15N/09W-08N01M	1337.0	10-23-68	14.5	1322.5	5050
		3-27-69	3.1	1333.9	5050
15N/09W-09L01M	1430.4	10-22-68	28.8	1401.6	5111
		4-11-69	3.0	1427.4	5111
15N/09W-18H03M	1331.0	10-22-68	7.4	1323.6	5111
		4-11-69	3.4	1327.6	5111
15N/09W-20L01M	1324.0	10-23-68	8.3	1315.7	5050
		3-27-69	4.3	1319.7	5050
15N/09W-28F02M	1327.8	10-22-68	6.0	1321.8	5111
		4-11-69	-0.1	1327.9	5111
15N/10W-01R01M	1356.1	10-21-68	10.1	1346.0	5111
		4-11-69	3.7	1352.4	5111
15N/10W-02N01M	1339.0	10-21-68	10.8	1328.2	5111
		10-23-68	10.8	1328.2	5050
		11-20-68	11.6	1327.4	5050
		12-19-68	6.3	1332.7	5050
		1-28-69	0.3	1338.7	5050
		2-26-69	0.2	1338.8	5050
		3-27-69	0.4	1338.6	5050
		4-11-69	0.3	1338.7	5111
		4-25-69	0.4	1338.6	5050
		5-19-69	2.3	1336.7	5050
		6-24-69	4.6	1334.4	5050
		7-29-69	6.9	1332.1	5050
		8-25-69	8.5	1330.5	5050
		9-25-69	9.7	1329.3	5050
15N/10W-03D01M	1362.0	10-21-68	10.2	1351.8	5111
		4-11-69	3.9	1358.1	5111
15N/10W-03N01M	1335.0	10-21-68	12.7	1322.3	5111
		4-11-69	4.0	1331.0	5111
15N/10W-04B01M	1373.5	10-21-68	14.5	1359.0	5111
		4-11-69	5.3	1368.2	5111
15N/10W-04B02M	1370.0	10-21-68	15.9	1354.1	5111
		4-11-69	6.2	1363.8	5111
15N/10W-13H01M	1331.0	10-23-68	4.6	1326.4	5050
		3-27-69	FLOW		5050
15N/10W-13H02M	1330.0	10-23-68	2.8	1327.2	5050
		3-27-69	FLOW		5050
16N/09W-31C03M	1408.2	10-21-68	27.7	1380.5	5111
		10-23-68	29.3	1378.9	5050
		11-20-68	28.3	1379.9	5050
		12-19-68	19.9	1388.3	5050
		1-27-69	18.3	1389.9	5050
		2-26-69	20.0	1388.2	5050
		3-27-69	21.5	1386.7	5050
		4-11-69	22.0	1386.2	5111
		4-25-69	22.5	1385.7	5050
		5-19-69	23.3	1384.9	5050
		6-24-69	23.5	1384.7	5050
		7-29-69	25.0	1383.2	5050
		8-25-69	26.0	1382.2	5050
		9-25-69	28.0	1380.2	5050
16N/09W-31Q01M	1387.5	10-21-68	15.2	1372.3	5111
		4-11-69	10.3	1377.2	5111
16N/10W-33E01M	1425.3	10-21-68	19.9	1405.4	5111
		4-11-69	10.6	1414.7	5111
16N/10W-34N01M	1394.1	10-21-68	21.5	1372.6	5111
		4-11-69	5.7	1388.4	5111
16N/10W-36J01M	1418.2	10-21-68	23.3	1394.9	5111
		4-11-69	2.1	1416.1	5111
SCOTT VALLEY 5-14.00					
14N/10W-03E01M	1400.0	10-23-68	13.3	1386.7	5050
		3-26-69	6.7	1393.3	5050
14N/10W-03M01M	1404.6	10-21-68	8.5	1396.1	5111
		4-11-69	1.6	1403.0	5111
14N/10W-03M02M	1405.0	10-22-68	10.4	1394.6	5111
		4-11-69	1.8	1403.2	5111
14N/10W-10Q01M	1430.7	10-21-68	17.3	1413.4	5111
		4-11-69	4.5	1426.2	5111
14N/10W-11G01M	1420.3	10-21-68	8.3	1412.0	5111
		4-11-69	1.9	1418.4	5111
14N/10W-14E02M	1441.6	10-21-68	25.4	1416.2	5111
		4-11-69	5.4	1436.2	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
SCOTT VALLEY 5-14.00 (Continued)					
14N/10W-14F01M	1440.0	10-21-68	22.6	1417.4	5111
		4-11-69	3.0	1437.0	5111
14N/10W-15H01M	1445.0	10-23-68	29.1	1415.9	5050
		11-20-68	23.5	1421.5	5050
		12-19-68	12.0	1433.0	5050
		1-27-69	4.0	1441.0	5050
		2-26-69	5.2	1439.8	5050
		3-26-69	6.9	1438.1	5050
		4-24-69	7.4	1437.6	5050
		5-19-69	12.1	1432.9	5050
		6-24-69	19.0	1426.0	5050
		7-28-69	39.0	1406.0	5050
		8-25-69	37.5	1407.5	5050
		9-25-69	41.2	1403.8	5050
14N/10W-22A01M	1463.8	10-21-68	DRY		5111
		4-11-69	21.2	1442.6	5111
KELSEYVILLE VALLEY 5-15.00					
13N/09W-02C02M	1345.0	10-23-68	24.3	1320.7	5111
		4-15-69	12.9	1332.1	5111
13N/09W-02H01M	1334.6	10-23-68	12.7	1321.9	5111
		4-15-69	2.7	1331.9	5111
13N/09W-02K03M	1343.0	10-23-68	18.7	1324.3	5111
		4-15-69	5.5	1337.5	5111
13N/09W-03D04M	1347.0	10-23-68	21.3	1325.7	5111
		4-15-69	6.1	1340.9	5111
13N/09W-03F05M	1349.0	10-23-68	33.0	1316.0	5050
		3-26-69	9.8	1339.2	5050
13N/09W-03R01M	1357.2	10-23-68	36.6	1320.6	5111
		4-15-69	15.0	1342.2	5111
13N/09W-03R02M	1357.4	10-23-68	34.2	1323.2	5111
		4-15-69	14.5	1342.9	5111
13N/09W-04G01M	1345.3	10-23-68	4.2	1341.1	5111
		4-15-69	3.8	1341.5	5111
13N/09W-04Q03M	1357.0	10-22-68	35.0	1322.0	5111
		4-14-69	6.4	1350.6	5111
13N/09W-05J03M	1350.0	10-23-68	25.5	1324.5	5050
		11-20-68	28.0	1322.0	5050
		12-19-68	22.0	1328.0	5050
		1-27-69	4.8	1345.2	5050
		2-26-69	1.0	1349.0	5050
		3-26-69	2.5	1347.5	5050
		4-24-69	4.5	1345.5	5050
		5-19-69	6.5	1343.5	5050
		6-24-69	17.5	1332.5	5050
		7-28-69	25.0	1325.0	5050
		8-25-69	28.7	1321.3	5050
		9-25-69	31.8	1318.2	5050
13N/09W-05J05M	1352.0	10-23-68	29.8	1322.2	5111
		4-15-69	5.3	1346.7	5111
13N/09W-06H02M	1349.0	10-22-68	29.6	1319.4	5111
		4-11-69	8.5	1340.5	5111
13N/09W-06H03M	1349.3	10-22-68	26.6	1322.7	5111
		4-11-69	8.3	1341.0	5111
13N/09W-06N01M	1374.3	10-22-68	12.2	1362.1	5111
		4-11-69	2.3	1372.0	5111
13N/09W-07A03M	1360.0	10-22-68	16.2	1343.8	5111
		4-11-69	2.7	1357.3	5111
13N/09W-07E01M	1392.3	10-22-68	13.6	1378.7	5111
		4-11-69	0.8	1391.5	5111
13N/09W-07E02M	1390.0	10-23-68	9.2	1380.8	5050
		11-20-68	9.3	1380.7	5050
		12-19-68	4.2	1385.8	5050
		1-27-69	0.1	1389.9	5050
		2-26-69	0.1	1389.9	5050
		3-26-69	1.5	1388.5	5050
		4-24-69	2.0	1388.0	5050
		5-19-69	3.1	1386.9	5050
		6-24-69	5.7	1384.3	5050
		7-28-69	9.0	1381.0	5050
		8-25-69	9.3	1380.7	5050
		9-25-69	(0)		5050
13N/09W-08K02M	1372.6	10-23-68	26.4	1346.2	5111
		4-15-69	9.6	1363.0	5111
13N/09W-08N01M	1375.0	10-23-68	(3)		5111
		4-11-69	8.5	1366.5	5111
13N/09W-09C04M	1358.0	10-22-68	24.8	1333.2	5111
		4-14-69	4.4	1353.6	5111
13N/09W-09D01M	1359.4	10-22-68	25.0	1334.4	5111
		4-14-69	3.8	1355.6	5111
13N/09W-09D05M	1358.0	11-26-68	26.7	1331.3	5111
		4-14-69	4.9	1353.1	5111
13N/09W-09L01M	1360.0	10-22-68	19.4	1340.6	5111
		4-14-69	2.8	1357.2	5111

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-09Q02M	1368.0	10-23-68	24.7	1343.3	5050
		3-26-69	5.2	1362.8	5050
13N/09W-10E01M	1355.0	10-22-68	28.6	1326.4	5111
		4-14-69	5.1	1349.9	5111
13N/09W-10J01M	1367.0	10-23-68	22.5	1344.5	5050
		3-26-69	15.8	1351.2	5050
13N/09W-11F01M	1360.0	10-23-68	6.3	1353.7	5111
		4-15-69	1.7	1358.3	5111
13N/09W-11H01M	1358.0	10-23-68	27.5	1330.5	5111
		4-15-69	9.7	1348.3	5111
13N/09W-12M02M	1357.1	10-23-68	29.0	1328.1	5111
		4-15-69	14.4	1342.7	5111
13N/09W-14C01M	1381.0	10-23-68	24.1	1356.9	5050
		3-26-69	9.2	1371.8	5050
13N/09W-14G01M	1397.8	10-23-68	20.6	1377.2	5111
		10-23-68	20.5	1377.3	5050
		3-26-69	13.8	1384.0	5050
		4-14-69	15.4	1382.4	5111
13N/09W-14P02M	1398.8	10-23-68	36.3	1362.5	5111
		10-23-68	36.4	1362.4	5050
		3-26-69	2.4	1396.4	5050
		4-14-69	4.8	1394.0	5111
13N/09W-15B02M	1376.0	10-23-68	16.7	1359.3	5111
		4-14-69	16.1	1359.9	5111
13N/09W-15D01M	1445.0	10-22-68	83.1	1361.9	5111
		4-14-69	63.9	1381.1	5111
13N/09W-15J01M	1420.0	10-23-68	20.5	1399.5	5111
		4-14-69	15.3	1404.7	5111
13N/09W-15M01M	1409.0	10-22-68	17.8	1391.2	5111
		4-14-69	11.4	1397.6	5111
13N/09W-16E02M	1379.0	10-22-68	24.8	1354.2	5111
		4-14-69	4.3	1374.7	5111
13N/09W-16L01M	1380.0	10-27-68	15.5	1364.5	5111
		4-14-69	-0.2	1380.2	5111
13N/09W-17C02M	1380.5	10-23-68	19.7	1360.8	5111
		4-15-69	2.8	1377.7	5111
13N/09W-17K02M	1383.0	10-23-68	20.2	1362.8	5111
		4-15-69	8.2	1374.8	5111
13N/09W-18J01M	1400.0	10-22-68	18.0	1382.0	5111
		4-11-69	6.8	1393.2	5111
13N/09W-18R01M	1389.0	10-23-68	11.3	1377.7	5050
		3-26-69	0.4	1388.6	5050
13N/09W-19H01M	1400.0	10-22-68	15.6	1384.4	5111
		4-14-69	5.8	1394.2	5111
13N/09W-19J01M	1410.0	10-22-68	13.0	1397.0	5111
		4-14-69	3.9	1406.1	5111
13N/09W-20F01M	1405.3	10-22-68	13.9	1391.4	5111
		4-14-69	8.4	1396.9	5111
13N/09W-20P01M	1413.0	10-22-68	12.1	1400.9	5111
		10-23-68	12.1	1400.9	5050
		11-20-68	12.0	1401.0	5050
		12-19-68	7.2	1405.8	5050
		1-27-69	3.0	1410.0	5050
		2-26-69	4.0	1409.0	5050
		3-26-69	4.9	1408.1	5050
		4-14-69	5.0	1408.0	5111
		4-24-69	5.2	1407.8	5050
		5-19-69	6.2	1406.8	5050
		6-24-69	11.0	1402.0	5050
		7-28-69	12.5	1400.5	5050
		8-25-69	12.7	1400.3	5050
		9-25-69	13.0	1400.0	5050
13N/09W-21F01M	1498.7	10-23-68	114.9	1383.8	5050
		3-26-69	104.4	1394.3	5050
13N/09W-21F02M	1500.0	10-23-68	126.4	1373.6	5050
		3-26-69	109.5	1390.5	5050
13N/09W-21J01M	1496.0	10-22-68	84.1	1411.9	5111
		4-14-69	77.7	1418.3	5111
13N/09W-22C02M	1430.0	10-23-68	29.6	1400.4	5050
		3-26-69	23.0	1407.0	5050
13N/09W-22F01M	1444.0	10-23-68	40.4	1403.6	5111
		4-14-69	33.6	1410.4	5111
13N/09W-22J01M	1419.8	10-23-68	61.7	1358.1	5111
		4-14-69	36.3	1383.5	5111
13N/09W-22M01M	1485.0	10-23-68	105.8	1379.2	5111
		4-14-69	93.5	1391.5	5111
13N/09W-22R01M	1440.0	10-23-68	(2)		5111
		4-14-69	10.0	1430.0	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
KELSEYVILLE VALLEY 5-15.00 (Continued)					
13N/09W-23F01M	1426.9	10-22-68	50.9	1376.0	5111
		4-14-69	54.0	1372.9	5111
13N/09W-27D01M	1504.0	10-23-68	18.5	1485.5	5111
		4-17-69	13.0	1491.0	5111
13N/09W-27Q01M	1435.0	10-23-68	27.1	1407.9	5111
		4-14-69	25.9	1409.1	5111
13N/09W-28J02M	1600.0	10-23-68	89.5	1510.5	5111
		4-14-69	85.7	1514.3	5111
13N/09W-28K01M	1580.0	10-23-68	55.2	1524.8	5111
		4-14-69	50.0	1530.0	5111
13N/09W-28N03M	1590.0	10-23-68	78.6	1511.4	5111
		4-14-69	75.6	1514.4	5111
13N/09W-29L01M	1446.0	10-22-68	18.3	1427.7	5111
		4-15-69	10.5	1435.5	5111
13N/09W-29R01M	1550.0	10-23-68	108.4	1441.6	5111
		4-15-69	96.2	1453.8	5111
13N/09W-30A01M	1419.8	10-22-68	14.2	1405.6	5111
		4-14-69	7.1	1412.7	5111
14N/09W-31E01M	1329.7	10-22-68	7.8	1321.9	5111
		4-11-69	-0.4	1330.1	5111
14N/09W-31N01M	1334.7	10-22-68	14.1	1320.6	5111
		4-11-69	3.0	1331.7	5111
14N/09W-32G02M	1334.5	10-23-68	17.7	1316.8	5111
		4-15-69	6.2	1328.3	5111
14N/09W-32M01M	1335.2	10-23-68	13.7	1321.5	5111
		4-15-69	4.5	1330.7	5111
14N/09W-33K01M	1335.3	10-23-68	15.0	1320.3	5050
		11-20-68	14.5	1320.8	5050
		12-19-68	12.1	1323.2	5050
		1-27-69	2.1	1333.2	5050
		2-26-69	3.3	1332.0	5050
		3-26-69	(6)		5050
14N/09W-33L03M	1330.0	10-23-68	13.2	1316.8	5111
		4-15-69	3.9	1326.1	5111
14N/09W-33M02M	1337.7	10-23-68	18.6	1319.1	5111
		4-15-69	3.1	1334.6	5111
14N/09W-34L03M	1336.6	10-23-68	15.3	1321.3	5111
		4-15-69	3.5	1333.1	5111
14N/09W-35N01M	1342.6	10-23-68	21.0	1321.6	5111
		4-15-69	9.3	1333.3	5111
14N/10W-25Q01M	1342.2	10-23-68	5.4	1336.8	5111
		4-11-69	2.0	1340.2	5111
LONG VALLEY 5-31.00					
14N/07W-06F01M	1320.0	10-23-68	23.8	1296.2	5050
		3-26-69	10.0	1310.0	5050
14N/07W-06F05M	1320.0	10-23-68	27.0	1293.0	5050
		3-26-69	13.5	1306.5	5050
HIGH VALLEY 5-16.00					
14N/07W-19M01M	1730.0	10-24-68	12.0	1718.0	5111
		4-16-69	5.8	1724.2	5111
14N/07W-19M02M	1730.0	10-23-68	63.0	1667.0	5050
		11-20-68	62.0	1668.0	5050
		12-19-68	59.0	1671.0	5050
		1-28-69	55.6	1674.4	5050
		2-26-69	50.0	1680.0	5050
		3-27-69	39.9	1690.1	5050
		4-25-69	37.3	1692.7	5050
		5-19-69	37.0	1693.0	5050
		6-24-69	38.7	1691.3	5050
		7-29-69	46.0	1684.0	5050
		8-25-69	52.0	1678.0	5050
		9-25-69	52.7	1677.3	5050
14N/08W-23K01M	1780.0	10-24-68	11.1	1768.9	5111
		4-16-69	1.6	1778.4	5111
14N/08W-24B02M	1775.0	10-24-68	104.5	1670.5	5111
		4-16-69	79.6	1695.4	5111
14N/08W-24H01M	1740.0	10-24-68	67.0	1673.0	5111
		4-16-69	41.8	1698.2	5111
14N/08W-24L01M	1750.0	10-24-68	80.9	1669.1	5111
		4-16-69	56.1	1693.9	5111
BURNS VALLEY 5-17.00					
13N/07W-15Q01M	1385.0	10-23-68	7.9	1377.1	5050
		11-20-68	7.4	1377.6	5050
		12-19-68	6.6	1378.4	5050
		1-27-69	0.6	1384.4	5050
		2-26-69	0.3	1384.7	5050
BURNS VALLEY 5-17.00 (Continued)					
13N/07W-15Q01M (Continued)	1385.0	3-26-69	1.3	1383.7	5050
		4-24-69	0.9	1384.1	5050
		5-19-69	1.0	1384.0	5050
		6-24-69	2.5	1382.5	5050
		7-28-69	5.0	1380.0	5050
		8-25-69	6.3	1378.7	5050
		9-25-69	6.4	1378.6	5050
13N/07W-21H01M	1360.0	10-24-68	21.1	1338.9	5111
		4-17-69	14.6	1345.4	5111
13N/07W-28R01M	1330.0	10-24-68	8.6	1321.4	5111
		4-16-69	2.9	1327.1	5111
LOWER LAKE AREA 5-30.00					
12N/07W-01M03M	1330.0	10-24-68	20.1	1309.9	5111
		4-16-69	9.5	1320.5	5111
12N/07W-03J01M	1375.0	10-24-68	15.7	1359.3	5111
		4-16-69	10.5	1364.5	5111
12N/07W-13N01M	1360.0	10-23-68	18.9	1341.1	5050
		11-20-68	18.4	1341.6	5050
		12-19-68	16.9	1343.1	5050
		1-27-69	11.5	1348.5	5050
		2-26-69	9.0	1351.0	5050
		3-26-69	12.6	1347.4	5050
		4-24-69	13.8	1346.2	5050
		5-19-69	14.4	1345.6	5050
		6-24-69	15.4	1344.6	5050
		7-28-69	16.9	1343.1	5050
		8-25-69	18.0	1342.0	5050
		9-25-69	18.5	1341.5	5050
COYOTE VALLEY 5-18.00					
11N/06W-19F01M	964.7	10-24-68	(6)		5111
11N/06W-19G01M	967.8	10-15-68	15.2	952.6	5050
		11-19-68	13.9	953.9	5050
		12-12-68	12.2	955.6	5050
		1-16-69	9.3	958.5	5050
		2-19-69	8.9	958.9	5050
		3-20-69	11.4	956.4	5050
		4-15-69	12.3	955.5	5050
		5-12-69 (1)	13.1	954.7	5050
		6-16-69 (1)	14.2	953.6	5050
11N/06W-19P02M	963.1	10-24-68	23.5	939.6	5111
		4-16-69	13.3	949.8	5111
11N/06W-20E01M	973.3	10-24-68 (1)	27.3	946.0	5111
		4-16-69	12.8	960.5	5111
11N/06W-27M01M	944.6	10-24-68	19.0	925.6	5111
		4-16-69	9.8	934.8	5111
11N/06W-29M01M	955.1	10-24-68	22.9	932.2	5111
		4-16-69	8.1	947.0	5111
11N/06W-30A02M	955.7	10-24-68	22.1	933.6	5111
		4-16-69	12.2	943.5	5111
11N/07W-13M01M	993.4	10-24-68	17.2	976.2	5111
		4-16-69	14.0	979.4	5111
11N/07W-25P01M	986.7	10-24-68	6.4	980.3	5111
		4-16-69	0.6	986.1	5111
COLLAYOMI VALLEY 5-19.00					
10N/06W-06L01M	1106.4	10-24-68	10.5	1095.9	5111
		4-16-69	2.6	1103.8	5111
10N/06W-06R01M	1110.2	10-24-68	8.0	1102.2	5111
		4-16-69	1.5	1108.7	5111
10N/06W-08K01M	1152.6	10-24-68	23.4	1129.2	5111
		4-16-69	10.5	1142.1	5111
10N/07W-01A01M	1087.3	10-24-68	12.2	1075.1	5111
		4-16-69	3.7	1083.6	5111
10N/07W-03A02M	1107.7	10-15-68	20.7	1087.0	5050
		11-19-68	(8)		5050
		12-12-68	13.2	1094.5	5050
		1-16-69	10.7	1097.0	5050
		2-19-69	11.5	1096.2	5050
		3-20-69	13.5	1094.2	5050
		4-15-69	13.9	1093.8	5050
		5-12-69	14.6	1093.1	5050
		6-16-69	15.2	1092.5	5050
10N/07W-03B02M	1109.0	10-24-68	16.3	1092.7	5111
		4-16-69	(2)		5111
10N/07W-03L04M	1125.8	10-24-68	9.7	1116.1	5111
		4-16-69	9.1	1116.7	5111
10N/07W-03M01M	1146.2	10-24-68	21.9	1124.3	5111
		4-16-69	21.4	1124.8	5111
10N/07W-04H01M	1131.3	10-24-68	12.3	1119.0	5111
		4-16-69	9.1	1122.2	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	10-24-68	9.0	1225.2	5111
		4-16-69	8.0	1226.2	5111
11N/07W-33J02M	1103.9	10-24-68	7.8	1096.1	5111
		4-16-69	4.6	1099.3	5111
11N/07W-33M01M	1150.6	10-24-68	17.7	1132.9	5111
		4-16-69	8.7	1141.9	5111
11N/07W-34K01M	1088.2	10-24-68	13.0	1075.2	5111
		4-16-69	10.3	1077.9	5111
11N/07W-35E01M	1077.0	10-24-68	11.6	1065.4	5111
		4-16-69	8.0	1069.0	5111
SACRAMENTO VALLEY 5-21.00					
TEHAMA COUNTY 5-21.01					
23N/02W-07R01M	255.0	10-15-68	101.2	153.8	5050
		3-26-69	84.1	170.9	5050
23N/02W-16B01M	182.5	10-15-68	38.9	143.6	5050
		3-26-69	24.2	158.3	5050
23N/02W-22N02M	181.0	10-15-68	37.1	143.9	5050
		3-26-69	22.0	159.0	5050
23N/02W-34A01M	170.0	10-15-68	26.9	143.1	5050
		3-26-69	15.2	154.8	5050
23N/03W-05G01M	277.0	10-18-68	54.0	223.0	5050
		11-19-68	52.7	224.3	5050
		12-17-68	51.1	225.9	5050
		1-17-69	50.8	226.2	5050
		2-26-69	44.4	232.6	5050
		3-26-69	41.5	235.5	5050
		4-24-69	41.4	235.6	5050
		5-23-69	43.4	233.6	5050
		6-23-69	45.6	231.4	5050
		7-23-69	47.4	229.6	5050
		8-22-69	50.8	226.2	5050
		9-26-69	52.7	224.3	5050
23N/03W-12G01M	266.0	10-14-68	101.0	165.0	5050
		3-26-69	90.4	175.6	5050
23N/03W-12P02M	216.0	10-15-68	34.4	181.6	5050
		3-26-69	17.3	198.7	5050
23N/03W-23C02M	211.0	10-18-68	27.4	183.6	5050
		11-19-68	27.1	183.9	5050
		12-17-68	26.8	184.2	5050
		1-17-69	21.8	189.2	5050
		2-26-69	16.2	194.8	5050
		3-26-69	14.3	196.7	5050
		4-24-69	15.1	195.9	5050
		5-23-69	15.9	195.1	5050
		6-23-69	18.0	193.0	5050
		7-23-69	20.9	190.1	5050
		8-22-69	24.2	186.8	5050
		9-26-69	26.1	184.9	5050
23N/03W-22Q01M	232.0	10-15-68	58.5	173.5	5050
		3-26-69	40.2	191.8	5050
23N/03W-24A02M	205.0	10-15-68	43.6	161.4	5050
		3-26-69	24.4	180.6	5050
24N/01W-06A01M	281.0	10-14-68	16.9	264.1	5050
		3-24-69	16.8	264.2	5050
24N/01W-08R01M	275.0	10-14-68	(9)		5050
		3-24-69	56.9	218.1	5050
24N/01W-18N01M	254.0	10-14-68	(4)		5050
		3-24-69	58.9	195.1	5050
24N/02W-02N01M	205.0	10-18-68	7.2	197.8	5050
		11-19-68	8.6	196.4	5050
		12-17-68	8.0	197.0	5050
		1-17-69	6.2	198.8	5050
		2-26-69	5.6	199.4	5050
		3-24-69	5.6	199.4	5050
		4-24-69	6.7	198.3	5050
		5-23-69	6.1	198.9	5050
		6-23-69	5.0	200.0	5050
		7-23-69	6.0	199.0	5050
		8-22-69	6.3	198.7	5050
		9-26-69	6.8	198.2	5050
24N/02W-23G01M	197.0	10-14-68	22.6	174.4	5050
		3-24-69	16.0	181.0	5050
24N/02W-28G01M	188.4	10-14-68	30.8	157.6	5050
		3-24-69	26.4	162.0	5050
24N/02W-29E01M	216.5	10-14-68	46.0	170.5	5050
		3-26-69	27.8	188.7	5050
24N/02W-36B01M	180.0	10-14-68	17.2	162.8	5050
		3-24-69	11.2	168.8	5050
24N/03W-03J01M	276.0	10-18-68	32.7	243.3	5050
		11-19-68	31.0	245.0	5050
		12-17-68	32.7	243.3	5050
		1-17-69	28.6	247.4	5050
		2-26-69	22.0	254.0	5050
TEHAMA COUNTY 5-21.01 (Continued)					
24N/03W-03J01M (Continued)	276.0	3-26-69	20.7	255.3	5050
		4-24-69	22.3	253.7	5050
		5-23-69	24.3	251.7	5050
		6-23-69	26.0	250.0	5050
		7-23-69	27.2	248.8	5050
		8-22-69	28.1	247.9	5050
		9-24-69	29.0	247.0	5050
24N/03W-14K01M	297.0	10-16-68	80.4	216.6	5050
		3-26-69	54.5	242.5	5050
24N/03W-16A01M	288.5	10-16-68	60.7	227.8	5050
		3-26-69	35.0	253.5	5050
24N/03W-26K01M	280.0	10-15-68	64.0	216.0	5050
		3-26-69	42.5	237.5	5050
24N/03W-35P04M	250.0	10-15-68	37.9	212.1	5050
		3-26-69	20.4	229.6	5050
24N/04W-02N01M	379.2	10-16-68	15.7	363.5	5050
		3-26-69	9.5	369.7	5050
24N/04W-07R01M	460.0	10-10-68	65.0	395.0	5001
		4-03-69	62.3	397.7	5001
24N/04W-08J02M	435.0	10-10-68	71.7	363.3	5001
		4-03-69	61.4	373.6	5001
24N/04W-09A02M	405.0	10-10-68	101.2	303.8	5001
		4-03-69	83.4	321.6	5001
24N/04W-09J01M	420.0	10-10-68	99.7	320.3	5001
		4-03-69	70.0	350.0	5001
24N/04W-09J02M	422.0	10-10-68	85.2	336.8	5001
		4-03-69	70.6	351.4	5001
24N/04W-10B01M	395.0	10-10-68	100.2	294.8	5001
		4-03-69	80.5	314.5	5001
24N/04W-14N02M	372.5	10-16-68	79.5	293.0	5050
		3-26-69	67.4	305.1	5050
24N/04W-21G01M	396.0	10-16-68	76.5	319.5	5050
		3-26-69	69.7	326.3	5050
24N/05W-12N01M	499.0	10-16-68	35.0	464.0	5050
		3-26-69	25.4	473.6	5050
25N/01W-31M01M	280.0	10-14-68	60.8	219.2	5050
		3-24-69	57.1	222.9	5050
25N/02W-06N01M	221.0	10-17-68	20.4	200.6	5050
		3-25-69	11.5	209.5	5050
25N/02W-16E01M	218.0	10-14-68	17.5	200.5	5050
		3-25-69	13.4	204.6	5050
25N/02W-18F01M	215.0	10-16-68	17.3	197.7	5050
		3-25-69	9.9	205.1	5050
25N/02W-30G01M	226.0	10-16-68	39.7	186.3	5050
		3-25-69	34.6	191.4	5050
25N/02W-34K01M	204.0	10-14-68	14.0	190.0	5050
		3-24-69	12.7	191.3	5050
25N/03W-03L01M	275.0	10-17-68	(3)		5050
		3-25-69	32.1	242.9	5050
25N/03W-06B01M	319.5	10-17-68	42.2	277.3	5050
		3-25-69	35.4	284.1	5050
25N/03W-09K01M	285.6	10-17-68	(1)		5050
		3-25-69	26.4	259.2	5050
25N/03W-10L01M	274.0	10-18-68	50.4	223.6	5050
		11-19-68	43.7	230.3	5050
		12-17-68	41.0	233.0	5050
		1-17-69	36.4	237.6	5050
		1-30-69	35.0	239.0	5050
		2-26-69	32.7	241.3	5050
		3-25-69	32.7	241.3	5050
		4-24-69	45.5	228.5	5050
		5-23-69	67.0	207.0	5050
		6-23-69	72.4	201.6	5050
		7-23-69	81.2	192.8	5050
		8-22-69	80.2	193.8	5050
		9-26-69	63.9	210.1	5050
25N/03W-10L02M	274.0	10-18-68	13.4	260.6	5050
		11-19-68	14.2	259.8	5050
		12-17-68	11.9	262.1	5050
		1-17-69	6.8	267.2	5050
		1-30-69	4.2	269.8	5050
		2-26-69	1.8	272.2	5050
		3-25-69	2.8	271.2	5050
		4-24-69	5.5	268.5	5050
		5-23-69	5.8	268.2	5050
		6-23-69	7.3	266.7	5050
		7-23-69	8.4	265.6	5050
		8-22-69	8.8	265.2	5050
		9-26-69	11.1	262.9	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-10L03M	274.0	10-18-68	51.7	222.3	5050
		11-19-68	44.4	229.6	5050
		12-17-68	41.7	232.3	5050
		1-17-69	37.9	236.1	5050
		1-30-69	35.6	238.4	5050
		2-26-69	33.1	240.9	5050
		3-25-69	32.9	241.1	5050
		4-24-69	47.0	227.0	5050
		5-24-69	66.4	207.6	5050
		6-23-69	71.6	202.4	5050
		7-23-69	80.5	193.5	5050
		8-22-69	79.4	194.6	5050
		9-26-69	63.2	210.8	5050
25N/03W-10L04M	274.0	10-18-68	21.5	252.5	5050
		11-19-68	21.2	252.8	5050
		12-17-68	20.6	253.4	5050
		1-17-69	19.5	254.5	5050
		1-30-69	18.7	255.3	5050
		2-26-69	16.6	257.4	5050
		3-25-69	14.7	259.3	5050
		4-24-69	13.9	260.1	5050
		5-24-69	14.8	259.2	5050
		6-23-69	15.9	258.1	5050
		7-23-69	17.0	257.0	5050
		8-22-69	18.1	255.9	5050
		9-26-69	18.7	255.3	5050
25N/03W-10L05M	274.0	10-18-68	19.1	254.9	5050
		11-19-68	18.4	255.6	5050
		12-17-68	16.6	257.4	5050
		1-17-69	12.1	261.9	5050
		1-30-69	9.8	264.2	5050
		2-26-69	7.3	266.7	5050
		3-25-69	8.1	265.9	5050
		4-24-69	8.2	265.8	5050
		5-23-69	17.8	256.2	5050
		6-23-69	18.9	255.1	5050
		7-23-69	20.3	253.7	5050
		8-22-69	20.6	253.4	5050
		9-26-69	19.5	254.5	5050
25N/03W-10M01M	278.0	10-17-68	64.5	213.5	5050
		3-25-69	38.0	240.0	5050
25N/03W-11F01M	256.0	10-16-68	42.5	213.5	5050
		3-25-69	23.2	232.8	5050
25N/03W-13A01M	213.0	10-16-68	11.9	201.1	5050
		3-25-69	5.1	207.9	5050
25N/03W-13F01M	246.0	10-16-68	43.5	202.5	5050
		3-25-69	35.2	210.8	5050
25N/03W-13J01M	230.7	10-16-68	37.4	193.3	5050
		3-25-69	27.4	203.3	5050
25N/03W-14A01M	252.2	10-16-68	39.2	213.0	5050
		3-25-69	18.8	233.4	5050
25N/03W-15A01M	266.5	10-16-68	53.7	212.8	5050
		3-25-69	26.9	239.6	5050
25N/03W-15P01M	271.7	10-16-68	50.2	221.5	5050
		3-25-69	30.2	241.5	5050
25N/03W-19N01M	325.0	10-16-68	70.3	254.7	5050
		3-25-69	53.3	271.7	5050
25N/03W-20E01M	305.0	10-16-68	49.8	255.2	5050
		3-25-69	35.0	270.0	5050
25N/03W-22C01M	268.3	10-18-68	44.1	224.2	5050
		3-25-69	25.5	242.8	5050
25N/03W-22L01M	275.0	10-16-68	53.6	221.4	5050
		3-25-69	32.5	242.5	5050
25N/03W-31R01M	318.0	10-16-68	15.3	302.7	5050
		3-26-69	4.0	314.0	5050
26N/02W-04B01M	270.0	10-14-68	44.5	225.5	5050
		3-24-69	(9)		5050
26N/02W-05D01M	252.0	10-18-68	22.8	229.2	5050
		11-19-68	26.0	226.0	5050
		12-17-68	21.3	230.7	5050
		1-17-69	18.0	234.0	5050
		1-30-69	15.2	236.8	5050
		2-26-69	15.0	237.0	5050
		3-24-69	18.2	233.8	5050
		4-24-69	19.4	232.6	5050
		5-23-69	21.3	230.7	5050
		6-23-69	21.0	231.0	5050
		7-23-69	22.3	229.7	5050
		8-22-69	22.1	229.9	5050
		9-26-69	24.6	227.4	5050
26N/02W-09D01M	246.0	10-14-68	22.3	233.7	5050
		3-24-69	17.7	228.3	5050
26N/02W-14G01M	311.7	10-14-68	83.7	228.0	5050
		3-24-69	75.5	236.2	5050
26N/02W-21Q01M	235.0	10-14-68	21.8	213.2	5050
		3-24-69	15.9	219.1	5050
26N/02W-29N01M	220.0	10-17-68	15.8	204.2	5050
		3-25-69	13.1	206.9	5050
TEHAMA COUNTY 5-21.01 (Continued)					
26N/02W-29R01M	228.0	10-14-68	5.8	222.2	5050
		3-24-69	1.4	226.6	5050
		6-23-69	4.2	223.8	5050
		7-23-69	7.2	220.8	5050
		8-22-69	8.7	219.3	5050
		9-26-69	9.8	218.2	5050
26N/02W-29R02M	228.0	10-14-68	4.6	223.4	5050
		3-24-69	-1.5	229.5	5050
		6-23-69	3.1	224.9	5050
		7-23-69	5.2	222.8	5050
		8-22-69	5.8	222.2	5050
		9-26-69	5.7	222.3	5050
26N/03W-04K01M	295.0	10-17-68	70.0	225.0	5050
		3-25-69	61.7	233.3	5050
26N/03W-06Q01M	314.8	10-17-68	68.3	246.5	5050
		3-24-69	7.9	306.9	5050
26N/03W-08N01M	307.6	10-17-68	57.6	250.0	5050
		3-24-69	47.5	260.1	5050
26N/03W-11F01M	262.0	10-17-68	43.3	218.7	5050
		3-25-69	30.3	231.7	5050
26N/03W-14A01M	252.1	10-17-68	31.6	220.5	5050
		3-25-69	22.8	229.3	5050
26N/03W-19A01M	310.5	10-17-68	(3)		5050
		3-24-69	(8)		5050
26N/03W-21P01M	284.5	10-18-68	60.0	224.5	5050
		11-19-68	52.4	232.1	5050
		12-19-68	51.4	233.1	5050
		1-17-69	50.0	234.5	5050
		1-30-69	48.0	236.5	5050
		2-26-69	48.2	236.3	5050
		3-26-69	44.4	240.1	5050
		4-24-69	53.9	230.6	5050
		5-28-69	66.8	217.7	5050
		6-23-69	71.5	213.0	5050
		7-23-69	80.4	204.1	5050
		8-22-69	83.4	201.1	5050
		9-26-69	70.5	214.0	5050
26N/03W-24F01M	230.0	10-17-68	11.2	218.8	5050
		3-25-69	8.7	221.3	5050
26N/03W-31N01M	331.2	10-17-68	(7)		5050
		3-25-69	45.1	286.1	5050
26N/03W-34L02M	270.7	10-17-68	56.5	214.2	5050
		3-25-69	34.3	236.4	5050
26N/03W-34P01M	272.9	10-17-68	55.5	217.4	5050
		3-25-69	40.0	232.9	5050
27N/02W-29E01M	294.3	10-18-68	55.9	238.4	5050
		11-19-68	54.5	239.8	5050
		12-17-68	54.9	239.4	5050
		1-17-69	52.4	241.9	5050
		2-26-69	49.1	245.2	5050
		3-24-69	49.3	245.0	5050
		4-24-69	50.9	243.4	5050
		5-23-69	(7)		5050
		6-23-69	(7)		5050
		7-23-69	(7)		5050
		8-22-69	53.1	241.2	5050
		9-26-69	55.8	238.5	5050
27N/02W-30C01M	280.0	10-18-68	32.0	248.0	5050
		11-19-68	31.6	248.4	5050
		12-17-68	31.1	248.9	5050
		1-17-69	29.2	250.8	5050
		2-26-69	25.1	254.9	5050
		3-24-69	25.8	254.2	5050
		4-24-69	26.9	253.1	5050
		5-23-69	28.5	251.5	5050
		6-25-69	28.9	251.1	5050
		7-23-69	30.8	249.2	5050
		8-22-69	30.6	249.4	5050
		9-26-69	29.9	250.1	5050
27N/02W-31C01M	261.0	10-14-68	28.5	232.5	5050
		3-24-69	22.1	238.9	5050
27N/03W-10N01M	280.0	10-14-68	35.1	244.9	5050
		3-24-69	25.5	254.5	5050
27N/03W-19A01M	330.0	10-14-68	37.6	292.4	5050
		3-26-69	27.0	303.0	5050
27N/03W-19J01M	310.0	10-17-68	(1)		5050
		3-25-69	(1)		5050
27N/03W-23D01M	269.0	10-14-68	28.0	241.0	5050
		3-24-69	18.4	250.6	5050
27N/03W-36J01M	251.0	10-14-68	15.7	235.3	5050
		3-24-69	14.8	236.2	5050
27N/04W-35E01M	436.0	10-17-68	132.6	303.4	5050
		3-24-69	109.3	326.7	5050
GLENN COUNTY 5-21.02					
18N/01E-17D01M	70.4	10-14-68	7.5	62.9	5105
		3-27-69	4.9	65.5	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)					
18N/01W-01Q02M	73.0	10-14-68	4.5	68.5	5105
		3-27-69	0.0	73.0	5105
18N/01W-03J01M	77.5	10-14-68	14.2	63.3	5105
		3-27-69	(9)		5105
18N/01W-07D01M	81.0	10-14-68	8.4	72.6	5105
		3-27-69	4.7	76.3	5105
18N/01W-13A01M	74.4	10-14-68	10.4	64.0	5105
		3-27-69	3.9	70.5	5105
18N/01W-14D01M	75.8	10-14-68	11.3	64.5	5105
		3-27-69	3.1	72.7	5105
18N/01W-16B01M	74.0	10-14-68	11.9	62.1	5105
		3-27-69	2.5	71.5	5105
18N/01W-17A01M	80.3	10-14-68	16.5	63.8	5105
		3-27-69	6.2	74.1	5105
18N/01W-17G01M	79.0	10-14-68	16.6	62.4	5105
		3-27-69	8.5	70.5	5105
18N/01W-22L01M	70.0	10-14-68	7.7	62.3	5105
		3-27-69	3.6	66.4	5105
18N/02W-01N01M	75.0	10-14-68	6.3	68.7	5105
		3-27-69	4.6	70.4	5105
18N/02W-07C01M	85.0	10-17-68	17.1	67.9	5105
		3-25-69	8.3	76.7	5105
18N/03W-09A01M	102.7	10-17-68	5.2	97.5	5105
		3-25-69	(6)		5105
18N/03W-09A02M	102.7	10-17-68	4.3	98.4	5105
		3-25-69	(6)		5105
18N/03W-10L01M	95.0	10-21-68	3.4	91.6	5050
		11-22-68	3.4	91.6	5050
		12-18-68	(7)		5050
		1-27-69	3.0	92.0	5050
		2-24-69	3.4	91.6	5050
		3-19-69	4.1	90.9	5050
		4-22-69	5.1	89.9	5050
		5-27-69	4.5	90.5	5050
		6-25-69	5.0	90.0	5050
		7-22-69	4.5	90.5	5050
		8-20-69	4.1	90.9	5050
		9-22-69	3.6	91.4	5050
18N/03W-20C01M	109.0	10-17-68	3.0	106.0	5105
		3-25-69	1.9	107.1	5105
18N/03W-22D01M	94.0	10-17-68	0.6	93.4	5105
		3-25-69	0.9	93.1	5105
18N/04W-11B03M	151.0	10-17-68	30.2	120.8	5105
		3-25-69	27.6	123.4	5105
18N/04W-12A01M	130.0	10-17-68	12.5	117.5	5105
		3-25-69	6.2	123.8	5105
18N/04W-23F01M	151.0	10-17-68	15.1	135.9	5105
		3-25-69	11.0	140.0	5105
19N/01E-08R01M	91.0	10-14-68	5.5	85.5	5105
		3-27-69	4.0	87.0	5105
19N/01W-07B01M	96.0	10-15-68	20.8	75.2	5105
		3-26-69	17.7	78.3	5105
19N/01W-09C01M	97.0	10-14-68	18.3	78.7	5105
		3-27-69	13.3	83.7	5105
19N/01W-10D01M	92.5	10-14-68	12.7	79.8	5105
		3-27-69	8.5	84.0	5105
19N/01W-14K01M	87.0	10-14-68	9.0	78.0	5105
		3-27-69	6.7	80.3	5105
19N/01W-15D01M	91.0	10-14-68	11.8	79.2	5105
		3-27-69	7.1	83.9	5105
19N/01W-20A01M	94.8	10-14-68	20.6	74.2	5105
		3-27-69	16.3	78.5	5105
19N/01W-26N01M	80.8	10-14-68	8.8	72.0	5105
		3-27-69	3.3	77.5	5105
19N/02W-01F01M	92.0	10-15-68	5.7	86.3	5105
		3-26-69	2.0	90.0	5105
19N/02W-05N01M	111.0	10-15-68	6.3	104.7	5105
		3-25-69	6.9	104.1	5105
19N/02W-09A01M	96.1	10-17-68	4.6	91.5	5105
		3-25-69	5.1	91.0	5105
19N/02W-10H01M	92.0	10-15-68	6.0	86.0	5105
		3-27-69	6.3	85.7	5105
19N/02W-13J01M	86.0	10-21-68	11.1	74.9	5050
		11-22-68	11.2	74.8	5050
		12-18-68	10.2	75.8	5050
		1-27-69	4.1	81.9	5050
		2-24-69	1.2	84.8	5050
		3-19-69	5.0	81.0	5050
GLENN COUNTY 5-21.02 (Continued)					
19N/02W-13J01M (Continued)	86.0	4-22-69	9.4	76.6	5050
		5-27-69	8.1	77.9	5050
		6-25-69	10.0	76.0	5050
		7-22-69	10.1	75.9	5050
		8-20-69	9.6	76.4	5050
		9-22-69	9.9	76.1	5050
19N/02W-15J01M	85.0	10-15-68	6.1	78.9	5105
		3-27-69	5.7	79.3	5105
19N/02W-19D01M	103.0	10-16-68	4.2	98.8	5105
		3-25-69	3.1	99.9	5105
19N/02W-23Q01M	86.0	10-15-68	7.8	78.2	5105
		3-27-69	5.2	80.8	5105
19N/02W-29Q01M	90.0	10-16-68	4.3	85.7	5105
		3-27-69	2.2	87.8	5105
19N/02W-30D01M	100.0	10-16-68	9.4	90.6	5105
		3-25-69	8.1	91.9	5105
19N/02W-34F01M	83.0	10-14-68	4.6	78.4	5105
		3-27-69	2.9	80.1	5105
19N/02W-36H01M	81.4	10-14-68	7.8	73.6	5105
		3-27-69	4.0	77.4	5105
19N/03W-01H01M	117.0	10-14-68	6.7	110.3	5105
		3-25-69	6.1	110.9	5105
19N/03W-02N01M	120.0	10-17-68	9.4	110.6	5105
		3-25-69	8.6	111.4	5105
19N/03W-03Q01M	128.0	10-17-68	7.3	120.7	5105
		3-25-69	7.5	120.5	5105
19N/03W-08B01M	134.1	10-18-68	34.1	100.0	5105
		3-25-69	27.3	106.8	5105
19N/03W-11N02M	123.0	10-17-68	9.9	113.1	5105
		3-25-69	11.0	112.0	5105
19N/03W-32E01M	130.0	10-17-68	18.9	111.1	5105
		3-25-69	11.6	118.4	5105
19N/04W-01A01M	165.0	10-17-68	58.8	106.2	5105
		3-25-69	49.6	115.4	5105
19N/04W-03J01M	188.7	10-17-68	28.7	160.0	5105
		3-25-69	28.3	160.4	5105
19N/04W-11L01M	184.0	10-17-68	51.7	132.3	5105
		3-25-69	50.2	133.8	5105
19N/04W-12E01M	174.0	10-21-68	67.3	106.7	5050
		11-22-68	64.6	109.4	5050
		12-18-68	63.6	110.4	5050
		1-27-69	61.9	112.1	5050
		2-24-69	59.9	114.1	5050
		3-19-69	57.9	116.1	5050
		4-22-69	55.8	118.2	5050
		5-27-69	61.5	112.5	5050
		6-25-69	64.6	109.4	5050
		7-22-69	(1)		5050
		8-20-69	64.6	109.4	5050
		9-22-69	(9)		5050
19N/04W-25B01M	152.3	10-18-68 (4)	57.3	95.0	5105
		3-25-69	38.6	113.7	5105
19N/04W-35C01M	165.0	10-17-68	55.9	109.1	5105
		3-25-69	45.9	119.1	5105
20N/01W-07B01M	115.0	10-15-68	7.9	107.1	5105
		3-26-69	6.7	108.3	5105
20N/01W-20N02M	102.0	10-15-68	14.3	87.7	5105
		3-26-69	12.5	89.5	5105
20N/01W-31E01M	96.0	10-15-68	(8)		5105
		3-26-69	3.7	92.3	5105
20N/02W-02J01M	125.0	10-15-68	7.5	117.5	5105
		3-26-69	5.9	119.1	5105
20N/02W-05A01M	144.0	10-15-68	19.3	124.7	5105
		3-26-69	10.6	133.4	5105
20N/02W-09A01M	131.8	10-15-68	5.8	126.0	5105
		3-26-69	4.6	127.2	5105
20N/02W-13G01M	113.0	10-15-68	4.0	109.0	5105
		3-26-69	3.9	109.1	5105
20N/02W-27J01M	102.0	10-15-68	5.2	96.8	5105
		3-26-69	4.8	97.2	5105
20N/02W-29G01M	117.0	10-21-68	6.9	110.1	5050
		11-22-68	7.3	109.7	5050
		12-18-68	6.7	110.3	5050
		1-27-69	5.8	111.2	5050
		2-24-69	5.9	111.1	5050
		3-19-69	6.8	110.2	5050
		4-22-69	5.7	111.3	5050
		5-27-69	4.2	112.8	5050
		6-25-69	4.6	112.4	5050
		7-22-69	4.2	112.8	5050
		8-20-69	4.0	113.0	5050
		9-22-69	5.6	111.4	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
GLENN COUNTY 5-21.02 (Continued)					
20N/03W-03D02M	164.0	10-16-68	43.5	120.5	5105
		3-25-69	23.8	140.2	5105
20N/03W-07K03M	166.0	10-11-68	61.4	104.6	5001
		4-03-69	40.7	125.3	5001
20N/03W-10B01M	155.0	10-16-68	38.0	117.0	5105
		3-25-69	22.9	132.1	5105
20N/03W-10D02M	156.0	10-16-68	39.6	116.4	5105
		3-25-69	23.0	133.0	5105
20N/03W-12C01M	159.0	10-16-68	40.1	118.9	5105
		3-25-69	26.6	132.4	5105
20N/03W-19B01M	159.5	10-11-68	50.2	109.3	5001
		4-03-69	20.9	138.6	5001
20N/03W-21A02M	143.7	10-11-68	41.7	102.0	5001
		4-03-69	24.6	119.1	5001
20N/03W-24B03M	142.0	10-16-68	26.7	115.3	5105
		3-25-69	19.5	122.5	5105
20N/03W-25Q01M	134.0	10-16-68	21.9	112.1	5105
		3-25-69	18.5	115.5	5105
20N/03W-31A01M	147.5	10-11-68	50.4	97.1	5001
		4-03-69	41.4	106.1	5001
20N/03W-33J01M	136.0	10-11-68	34.3	101.7	5001
		4-03-69	16.4	119.6	5001
21N/01W-04N01M	135.0	10-15-68	19.2	115.8	5105
		3-26-69	13.1	121.9	5105
21N/01W-05A01M	143.5	10-15-68	22.6	120.9	5105
		3-26-69	15.3	128.2	5105
21N/01W-09N01M	129.0	10-13-68	16.9	112.1	5105
		3-26-69	12.1	116.9	5105
21N/01W-17F01M	132.5	10-15-68	19.2	113.3	5105
		3-26-69	13.8	118.7	5105
21N/01W-18F01M	139.1	10-15-68	9.1	130.0	5105
		3-26-69	3.4	135.7	5105
21N/01W-31E01M	129.8	10-15-68	10.4	119.4	5105
		3-26-69	7.5	122.3	5105
21N/01W-33N01M	115.0	10-15-68	18.7	96.3	5105
		3-26-69	14.6	100.4	5105
21N/02W-02B02M	161.0	10-15-68	28.5	132.5	5105
		3-26-69	12.6	148.4	5105
21N/02W-03Q01M	162.6	10-15-68	19.0	143.6	5105
		3-26-69	7.7	154.9	5105
21N/02W-09M02M	179.0	10-15-68	42.0	137.0	5105
		3-26-69	21.1	157.9	5105
21N/02W-15B01M	161.0	10-15-68	29.6	131.4	5105
		3-26-69	13.7	147.3	5105
21N/02W-20B01M	166.0	10-15-68	43.0	123.0	5105
		3-26-69	20.2	145.8	5105
21N/02W-20E01M	170.0	10-16-68	49.8	120.2	5105
		3-26-69	26.0	144.0	5105
21N/02W-22J01M	152.0	10-16-68	28.7	123.3	5105
		3-26-69	15.3	136.7	5105
21N/02W-23G01M	152.0	10-16-68	25.1	126.9	5105
		3-26-69	12.6	139.4	5105
21N/02W-23H01M	142.6	10-16-68	16.5	126.1	5105
		3-26-69	5.8	136.8	5105
21N/02W-28M01M	151.0	10-15-68	28.5	122.5	5105
		3-26-69	13.8	137.2	5105
21N/02W-31D01M	165.0	10-16-68	42.0	123.0	5105
		3-25-69	27.1	137.9	5105
21N/02W-31D02M	165.0	10-16-68	41.8	123.2	5105
		3-25-69	27.0	138.0	5105
21N/02W-31M01M	161.0	10-16-68	37.6	123.4	5105
		3-25-69	23.7	137.3	5105
21N/02W-35P01M	128.0	10-15-68	5.6	122.4	5105
		3-26-69	4.3	123.7	5105
21N/03W-02B01M	219.0	10-21-68	30.5	188.5	5050
		11-22-68	25.2	193.8	5050
		12-18-68	22.8	196.2	5050
		1-27-69	17.4	201.6	5050
		2-24-69	13.6	205.4	5050
		3-19-69	12.3	206.7	5050
		4-22-69	13.8	205.2	5050
		5-27-69	(1)		5050
		6-25-69	(1)		5050
		7-22-69	(1)		5050
		8-20-69	(1)		5050
		9-22-69	29.1	189.9	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
GLENN COUNTY 5-21.02 (Continued)					
21N/03W-08D01M	225.5	10-10-68	(1)		5001
		4-03-69	55.4	170.1	5001
21N/03W-09R01M	220.8	10-10-68	37.1	183.7	5001
		4-03-69	25.8	195.0	5001
21N/03W-10J01M	205.7	10-21-68	22.8	182.9	5050
		11-22-68	25.9	179.8	5050
		12-18-68	24.3	181.4	5050
		1-27-69	19.3	186.4	5050
		2-24-69	17.6	188.1	5050
		3-19-69	16.6	189.1	5050
		4-22-69	16.5	189.2	5050
		5-27-69	19.9	185.8	5050
		6-25-69	21.1	184.6	5050
		7-22-69	24.9	180.8	5050
		8-20-69	27.0	178.7	5050
		9-22-69	27.1	178.6	5050
21N/03W-11G01M	200.0	10-16-68	38.2	161.8	5105
		3-25-69	14.9	185.1	5105
21N/03W-11M01M	206.5	10-16-68	58.0	148.5	5105
		3-25-69	40.1	166.4	5105
21N/03W-12C01M	202.0	10-16-68	41.9	160.1	5105
		3-25-69	14.9	187.1	5105
21N/03W-12C02M	202.0	10-16-68	42.9	159.1	5105
		3-25-69	16.3	185.7	5105
21N/03W-14B01M	197.8	10-16-68	38.9	158.9	5105
		3-25-69	26.3	171.5	5105
21N/03W-15C01M	215.0	10-16-68	44.9	170.1	5105
		3-25-69	29.0	186.0	5105
21N/03W-18B01M	218.0	10-10-68	82.7	135.3	5001
		4-03-69	67.1	150.9	5001
21N/03W-20D02M	206.1	10-10-68	67.5	138.6	5001
		4-03-69	53.9	152.2	5001
21N/03W-29F02M	192.0	10-11-68	67.0	125.0	5001
		4-03-69	66.9	125.1	5001
21N/03W-31C02M	199.0	10-11-68	86.4	112.6	5001
		4-03-69	64.9	134.1	5001
21N/03W-31K01M	192.0	10-11-68	(9)		5001
		4-03-69	64.9	127.1	5001
21N/03W-31R02M	183.0	10-21-68	67.2	115.8	5050
		11-22-68	62.2	120.8	5050
		12-18-68	59.8	123.2	5050
		1-27-69	56.2	126.8	5050
		2-24-69	53.4	129.6	5050
		3-19-69	51.7	131.3	5050
		4-22-69	55.0	128.0	5050
		5-27-69	65.5	117.5	5050
		6-25-69	77.0	106.0	5050
		7-22-69	93.0	90.0	5050
		8-20-69	91.2	91.8	5050
		9-22-69	78.3	104.7	5050
21N/03W-31R03M	183.0	10-21-68	5.0	178.0	5050
		11-22-68	5.1	177.9	5050
		12-18-68	4.9	178.1	5050
		1-27-69	4.6	178.4	5050
		2-24-69	4.0	179.0	5050
		3-19-69	4.0	179.0	5050
		4-22-69	4.0	179.0	5050
		5-27-69	4.0	179.0	5050
		6-25-69	4.2	178.8	5050
		7-22-69	4.8	178.2	5050
		8-20-69	5.0	178.0	5050
		9-22-69	4.7	178.3	5050
21N/03W-31R04M	183.0	10-21-68	65.7	117.3	5050
		11-22-68	60.2	122.8	5050
		12-18-68	57.5	125.5	5050
		1-27-69	54.0	129.0	5050
		2-24-69	50.3	132.7	5050
		3-19-69	47.9	135.1	5050
		4-22-69	51.6	131.4	5050
		5-27-69	60.5	122.5	5050
		6-25-69	75.9	107.1	5050
		7-22-69	94.6	88.4	5050
		8-20-69	92.4	90.6	5050
		9-22-69	73.8	109.2	5050
21N/03W-31R05M	183.0	10-21-68	66.4	116.6	5050
		11-22-68	60.8	122.2	5050
		12-18-68	57.3	125.7	5050
		1-27-69	52.9	130.1	5050
		2-24-69	49.4	133.6	5050
		3-19-69	47.7	135.3	5050
		4-22-69	48.6	134.4	5050
		5-27-69	57.1	125.9	5050
		6-25-69	64.2	118.8	5050
		7-22-69	71.0	112.0	5050
		8-20-69	73.6	109.4	5050
		9-22-69	72.4	110.6	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
GLENN COUNTY 5-21.02 (Continued)					
21N/03W-31R06M	183.0	10-21-68	4.7	178.3	5050
		11-22-68	5.5	177.5	5050
		12-18-68	4.0	179.0	5050
		1-27-69	1.0	182.0	5050
		2-24-69	0.8	182.2	5050
		3-19-69	1.8	181.2	5050
		4-22-69	2.4	180.6	5050
		5-27-69	3.6	179.4	5050
		6-25-69	2.9	180.1	5050
		7-22-69	3.3	179.7	5050
		8-20-69	3.7	179.3	5050
		9-22-69	4.0	179.0	5050
21N/03W-32N01M	184.4	10-11-68	70.8	113.6	5001
		4-03-69	56.7	127.7	5001
21N/03W-33A04M	174.0	10-11-68	50.8	123.2	5001
		4-03-69	30.8	143.2	5001
21N/03W-35L01M	163.0	10-16-68	41.2	121.8	5105
		3-25-69	27.4	135.6	5105
21N/03W-35L02M	160.0	10-16-68	38.5	121.5	5105
		3-25-69	24.6	135.4	5105
21N/04W-12B02M	249.0	10-10-68	98.2	150.8	5001
		4-03-69	86.7	162.3	5001
21N/04W-23H01M	259.0	10-10-68	101.9	157.1	5001
		4-03-69	99.4	159.6	5001
21N/04W-24A02M	230.0	10-10-68	97.7	132.3	5001
		4-03-69	91.9	138.1	5001
22N/01W-18E02M	149.5	10-18-68	18.1	131.4	5105
		3-24-69	13.8	135.7	5105
22N/01W-18E03M	147.0	10-18-68	8.6	138.4	5105
		3-24-69	10.6	136.4	5105
22N/01W-34E01M	135.0	10-15-68	17.4	117.6	5105
		3-26-69	11.9	123.1	5105
22N/02W-03D04M	185.0	10-17-68	27.1	157.9	5105
		3-24-69	8.8	176.2	5105
22N/02W-03F01M	191.0	10-17-68	35.1	155.9	5105
		3-24-69	14.8	176.2	5105
22N/02W-03L01M	186.0	10-17-68	40.7	145.3	5105
		3-24-69	19.9	166.1	5105
22N/02W-05B01M	199.7	10-17-68	11.9	187.8	5105
		3-24-69	4.1	195.6	5105
22N/02W-05L02M	202.0	10-17-68	23.3	178.7	5105
		3-24-69	13.1	188.9	5105
22N/02W-08B02M	205.0	10-21-68	33.0	172.0	5050
		11-22-68	27.1	177.9	5050
		12-18-68	24.6	180.4	5050
		1-27-69	17.8	187.2	5050
		2-24-69	15.0	190.0	5050
		3-19-69	14.9	190.1	5050
		4-22-69	24.1	180.9	5050
		5-27-69	(1)		5050
		6-25-69	(1)		5050
		7-22-69	55.1	149.9	5050
		8-20-69	60.2	144.8	5050
		9-22-69	52.0	153.0	5050
22N/02W-08D01M	207.0	10-17-68	30.0	177.0	5105
		3-24-69	13.0	194.0	5105
22N/02W-08Q01M	203.0	10-17-68	13.4	189.6	5105
		3-24-69	4.9	198.1	5105
22N/02W-09L03M	195.0	10-18-68	23.7	171.3	5105
		3-24-69	7.2	187.8	5105
22N/02W-12C01M	156.0	10-18-68	22.2	133.8	5105
		3-24-69	18.3	137.7	5105
22N/02W-14B02M	165.0	10-18-68	12.3	152.7	5105
		3-24-69	4.1	160.9	5105
22N/02W-16C01M	196.0	10-18-68	15.9	180.1	5105
		3-24-69	6.0	190.0	5105
22N/02W-20P02M	203.0	10-18-68	4.6	198.4	5105
		3-24-69	2.6	200.4	5105
22N/02W-21D01M	198.0	10-18-68	18.1	179.9	5105
		3-24-69	9.0	189.0	5105
22N/02W-23B01M	169.0	10-18-68	11.3	157.7	5105
		3-24-69	3.2	165.8	5105
22N/02W-23N01M	175.0	10-18-68	15.8	159.2	5105
		3-24-69	10.9	164.1	5105
22N/02W-24L01M	163.5	10-18-68	26.4	137.1	5105
		3-24-69	16.3	147.2	5105
22N/02W-31Q01M	198.6	10-18-68	20.9	177.7	5105
		3-26-69	8.6	190.0	5105
22N/02W-32H03M	187.0	10-15-68	13.7	173.3	5105
		3-26-69	5.4	181.6	5105
GLENN COUNTY 5-21.02 (Continued)					
22N/02W-36D01M	158.7	10-15-68	13.2	145.5	5105
		3-26-69	10.9	147.8	5105
22N/03W-01L01M	237.0	10-17-68	12.4	224.6	5105
		3-24-69	12.1	224.9	5105
22N/03W-04E01M	283.0	10-10-68	71.9	211.1	5001
		4-02-69	64.2	218.8	5001
22N/03W-05F01M	293.0	10-10-68	42.5	250.5	5001
		4-02-69	41.8	251.2	5001
22N/03W-07C01M	300.0	10-10-68	8.7	291.3	5001
		4-02-69	5.4	294.6	5001
22N/03W-10Q01M	256.2	10-17-68	13.2	243.0	5105
		3-24-69	10.9	245.3	5105
22N/03W-17Q01M	275.9	10-10-68	7.5	268.4	5001
		4-02-69	5.1	270.8	5001
22N/03W-21F01M	262.0	10-21-68	16.9	245.1	5050
		11-22-68	18.1	243.9	5050
		12-18-68	18.8	243.2	5050
		1-27-69	15.6	246.4	5050
		2-24-69	13.6	248.4	5050
		3-19-69	13.8	248.2	5050
		4-22-69	15.9	246.1	5050
		5-27-69	15.3	246.7	5050
		6-25-69	15.5	246.5	5050
		7-22-69	15.8	246.2	5050
		8-20-69	15.5	246.5	5050
		9-22-69	16.8	245.2	5050
22N/03W-23E01M	243.0	10-17-68	18.5	224.5	5105
		3-24-69	10.8	232.2	5105
22N/03W-24M01M	232.5	10-17-68	13.4	219.1	5105
		3-24-69	8.9	223.6	5105
22N/03W-29B01M	268.0	10-10-68	15.1	252.9	5001
		4-03-69	15.1	252.9	5001
22N/03W-31F01M	255.0	10-10-68	5.5	249.5	5001
		4-03-69	1.5	253.5	5001
22N/03W-32R01M	247.2	10-10-68	18.3	228.9	5001
		4-03-69	18.5	228.7	5001
22N/03W-33A01M	241.8	10-10-68	10.1	231.7	5001
		4-03-69	9.8	232.0	5001
22N/04W-12L01M	318.0	10-10-68	4.6	313.4	5001
		4-02-69	2.6	315.4	5001
BUTTE COUNTY 5-21.03					
17N/01E-01R01M	69.5	10-15-68	5.1	64.4	5106
		3-25-69	5.2	64.3	5106
17N/01E-03A01M	63.2	10-16-68	4.9	58.3	5106
		3-25-69	5.5	57.7	5106
17N/01E-10A01M	63.0	10-15-68	9.2	53.8	5106
		3-25-69	8.8	54.2	5106
17N/02E-06D01M	71.0	10-22-68	8.2	62.8	5050
		11-21-68	8.1	62.9	5050
		12-19-68	7.2	63.8	5050
		1-29-69	5.7	65.3	5050
		2-25-69	5.7	65.3	5050
		3-20-69	7.6	63.4	5050
		4-23-69	8.3	62.7	5050
		5-28-69	6.2	64.8	5050
		6-26-69	6.3	64.7	5050
		7-23-69	6.3	64.7	5050
		8-21-69	6.3	64.7	5050
		9-23-69	6.9	64.1	5050
17N/02E-08D01M	74.5	10-15-68	4.6	69.9	5106
		3-25-69	5.1	69.4	5106
17N/02E-12A01M	90.0	10-15-68	9.1	80.9	5106
		3-25-69	6.5	83.5	5106
17N/02E-14A01M	82.5	10-15-68	4.6	77.9	5106
		3-25-69	3.9	78.6	5106
17N/02E-16C01M	74.0	10-15-68	4.4	69.6	5106
		3-25-69	3.5	70.5	5106
17N/03E-01R01M	100.0	10-14-68	40.5	59.5	5106
		3-24-69	32.6	67.4	5106
17N/03E-03D01M	95.0	10-15-68	25.3	69.7	5106
		3-25-69	19.6	75.4	5106
17N/03E-05C01M	96.0	10-15-68	12.3	83.7	5106
		3-25-69	7.1	88.9	5106
17N/03E-08G01M	90.0	10-17-68	10.4	79.6	5106
		3-24-69	6.3	83.7	5106
17N/03E-14H01M	92.0	10-14-68	33.1	58.9	5106
		3-24-69	21.2	70.8	5106
17N/03E-16N01M	85.0	10-15-68	10.5	74.5	5106
		3-25-69	7.9	77.1	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)					
17N/04E-05C01M	95.0	10-14-68	44.5	50.5	5106
		3-24-69	27.5	67.5	5106
17N/04E-08A01M	96.0	10-14-68	23.2	72.8	5106
		3-24-69	14.8	81.2	5106
17N/04E-08L01M	92.0	10-14-68	29.2	62.8	5106
		3-24-69	15.8	76.2	5106
17N/04E-16E01M	106.0	10-14-68	34.8	71.2	5106
		3-24-69	25.0	81.0	5106
17N/04E-16E02M	106.0	10-14-68	30.6	75.4	5106
		3-24-69	23.2	82.8	5106
17N/04E-18C01M	96.0	10-14-68	30.8	65.2	5106
		3-24-69	27.2	68.8	5106
18N/01E-13A01M	77.0	10-16-68	4.5	72.5	5106
		3-25-69	4.3	72.7	5106
18N/01E-13M01M	77.0	10-16-68	8.0	69.0	5106
		3-25-69	5.6	71.4	5106
18N/01E-15D01M	70.0	10-16-68	3.5	66.5	5106
		3-25-69	2.5	67.5	5106
18N/01E-33N03M	64.0	10-16-68	8.1	55.9	5106
		3-25-69	5.5	58.5	5106
18N/02E-08D01M	86.0	10-16-68	5.0	81.0	5106
		3-25-69	6.1	79.9	5106
18N/02E-11D01M	90.0	10-16-68	4.2	85.8	5106
		3-25-69	3.0	87.0	5106
18N/02E-14G01M	87.0	10-16-68	(6)		5106
18N/02E-16F01M	80.0	10-16-68	7.2	72.8	5106
		3-25-69	(9)		5106
18N/02E-20P01M	76.0	10-16-68	5.3	70.7	5106
		3-25-69	4.6	71.4	5106
18N/02E-25M01M	87.0	10-16-68	6.5	80.5	5106
		3-25-69	6.0	81.0	5106
18N/02E-32Q02M	75.0	10-16-68	6.0	69.0	5106
		3-25-69	6.3	68.7	5106
18N/02E-35P01M	84.0	10-16-68	4.2	79.8	5106
		3-25-69	3.8	80.2	5106
18N/03E-05K01M	110.4	10-14-68	13.7	96.7	5106
		3-24-69	8.3	102.1	5106
18N/03E-06M01M	107.0	10-22-68	9.7	97.3	5050
		11-21-68	8.8	98.2	5050
		12-19-68	7.9	99.1	5050
		1-24-69	6.8	100.2	5050
		2-25-69	6.3	100.7	5050
		3-20-69	7.2	99.8	5050
		4-23-69	10.9	96.1	5050
		5-28-69	12.1	94.9	5050
		6-26-69	12.5	94.5	5050
		7-23-69	12.7	94.3	5050
		8-21-69	12.1	94.9	5050
		9-23-69	11.8	95.2	5050
18N/03E-11G01M	124.0	10-22-68	33.6	90.4	5050
		11-21-68	33.2	90.8	5050
		12-19-68	31.4	92.6	5050
		1-29-69	26.0	98.0	5050
		2-25-69	21.6	102.4	5050
		3-20-69	21.6	102.4	5050
		4-23-69	23.6	100.4	5050
		5-28-69	30.8	93.2	5050
		6-26-69	32.8	91.2	5050
		7-23-69	32.1	91.9	5050
		8-21-69	33.2	90.8	5050
		9-23-69	32.9	91.1	5050
18N/03E-14H01M	120.0	10-16-68	31.9	88.1	5106
		3-24-69	24.2	95.8	5106
18N/03E-18F01M	97.5	10-14-68	8.2	89.3	5106
		3-24-69	4.3	93.2	5106
18N/03E-19Q01M	95.5	10-15-68	9.7	85.8	5106
		3-24-69	7.2	88.3	5106
18N/03E-21G01M	104.0	10-15-68	21.6	82.4	5106
		3-24-69	14.7	89.3	5106
18N/03E-24A01M	115.0	10-14-68	19.0	96.0	5106
		3-24-69	14.3	100.7	5106
18N/04E-07A01M	153.0	10-14-68	3.2	149.8	5106
		3-24-69	2.0	151.0	5106
18N/04E-08M01M	145.0	10-14-68	47.1	97.9	5106
		3-24-69	34.2	110.8	5106
18N/04E-16C01M	201.0	10-14-68	96.2	104.8	5106
		3-24-69	74.2	126.8	5106
18N/04E-28L01M	135.0	10-14-68	64.7	70.3	5106
		3-24-69	41.8	93.2	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)					
18N/04E-30D01M	107.0	10-14-68	28.0	79.0	5106
		3-24-69	4.0	103.0	5106
18N/04E-32J01M	111.0	10-14-68	37.4	73.6	5106
		3-24-69	16.6	94.4	5106
19N/01E-04R01M	91.0	10-17-68	(7)		5106
		3-25-69	(7)		5106
19N/01E-15E01M	92.0	10-17-68	(6) 15.3	76.7	5106
		3-26-69	6.2	85.8	5106
19N/01E-28R01M	80.0	10-22-68	5.8	74.2	5050
		11-21-68	5.2	74.8	5050
		12-19-68	4.3	75.7	5050
		1-29-69	3.3	76.7	5050
		2-25-69	4.0	76.0	5050
		3-20-69	5.3	74.7	5050
		4-23-69	5.4	74.6	5050
		5-28-69	4.0	76.0	5050
		6-26-69	4.6	75.4	5050
		7-23-69	3.7	76.3	5050
		8-21-69	3.5	76.5	5050
		9-23-69	3.4	76.6	5050
19N/02E-01A01M	125.0	10-16-68	14.2	110.8	5106
		3-25-69	6.1	118.9	5106
19N/02E-07K01M	98.0	10-17-68	2.9	95.1	5106
		3-26-69	2.3	95.7	5106
19N/02E-17A01M	102.0	10-17-68	2.4	99.6	5106
		3-26-69	1.1	100.9	5106
19N/02E-34J01M	96.0	10-16-68	5.0	91.0	5106
		3-25-69	3.2	92.8	5106
19N/03E-14B01M	201.5	10-14-68	73.2	128.3	5106
		3-25-69	77.5	124.0	5106
19N/03E-16P01M	170.0	10-15-68	57.4	112.6	5106
		3-24-69	53.7	116.3	5106
19N/03E-22A01M	183.0	10-16-68	64.8	118.2	5106
		3-24-69	58.5	124.5	5106
19N/03E-36A01M	145.0	10-14-68	27.5	117.5	5106
		3-24-69	20.5	124.5	5106
19N/04E-06E01M	275.0	10-14-68	82.8	192.2	5106
		3-25-69	84.8	190.2	5106
19N/04E-20D01M	193.0	10-14-68	53.0	140.0	5106
		3-24-69	48.0	145.0	5106
19N/04E-28Q01M	248.0	10-14-68	23.1	224.9	5106
		3-24-69	16.5	231.5	5106
19N/04E-32P01M	187.0	10-14-68	(4)		5106
		3-24-69	48.9	138.1	5106
20N/01E-08C02M	114.6	10-18-68	8.8	105.8	5106
		3-26-69	2.3	112.3	5106
20N/01E-10C02M	125.0	10-18-68	(9)		5106
		3-26-69	(2)		5106
20N/01E-11B02M	128.9	10-18-68	19.5	109.4	5106
		3-26-69	4.6	124.3	5106
20N/01E-24R01M	114.0	10-17-68	2.8	111.2	5106
		3-25-69	2.2	111.8	5106
20N/01E-27P01M	101.0	10-17-68	6.0	95.0	5106
		3-25-69	4.8	96.2	5106
20N/01E-35C01M	100.0	10-17-68	3.2	96.8	5106
		3-25-69	3.0	97.0	5106
20N/02E-06Q01M	135.3	10-17-68	17.1	118.2	5106
		3-26-69	5.9	129.4	5106
20N/02E-07H02M	129.4	10-17-68	9.8	119.6	5106
		3-26-69	2.5	126.9	5106
20N/02E-09L01M	137.0	10-17-68	10.3	126.7	5106
		3-26-69	4.4	132.6	5106
20N/02E-10J01M	147.0	10-17-68	22.0	125.0	5106
		3-26-69	12.2	134.8	5106
20N/02E-12J01M	172.0	10-17-68	51.3	120.7	5106
		3-25-69	44.9	127.1	5106
20N/02E-13M01M	160.0	10-17-68	31.3	128.7	5106
		3-25-69	31.3	128.7	5106
20N/02E-17P01M	122.5	10-17-68	4.8	117.7	5106
		3-26-69	-0.3	122.8	5106
20N/02E-22P01M	130.0	10-17-68	12.1	117.9	5106
		3-26-69	(7)		5106
20N/02E-28N01M	118.0	10-22-68	5.8	112.2	5050
		11-21-68	5.3	112.7	5050
		12-19-68	3.7	114.3	5050
		1-29-69	2.8	115.2	5050
		2-25-69	2.5	115.5	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
BUTTE COUNTY 5-21.03 (Continued)					
20N/02E-28N01M (Continued)	118.0	3-20-69	3.8	114.2	5050
		4-23-69	5.0	113.0	5050
		5-28-69	4.3	113.7	5050
		6-26-69	4.5	113.5	5050
		7-23-69	5.2	112.8	5050
		8-21-69	4.2	113.8	5050
		9-23-69	5.1	112.9	5050
20N/03E-07H01M	190.0	10-17-68	51.3	138.7	5106
		3-25-69	46.6	143.4	5106
20N/03E-10B01M	270.0	10-17-68	3.9	266.1	5106
		3-25-69	2.7	267.3	5106
20N/03E-22A01M	265.0	10-17-68	3.5	261.5	5106
		3-25-69	2.9	262.1	5106
20N/03E-28N01M	150.0	10-22-68	35.4	114.6	5050
		11-21-68	35.0	115.0	5050
		12-19-68	36.0	114.0	5050
		1-29-69	34.0	116.0	5050
		2-25-69	33.2	116.8	5050
		3-20-69	32.8	117.2	5050
		4-23-69	31.5	118.5	5050
		5-28-69	31.0	119.0	5050
		6-26-69	31.0	119.0	5050
		7-23-69	31.2	118.8	5050
		8-21-69	32.3	117.7	5050
		9-23-69	33.2	116.8	5050
20N/03E-32D01M	141.0	10-16-68	39.0	102.0	5106
		3-25-69	27.3	113.7	5106
20N/03E-34A01M	226.0	10-16-68	9.4	216.6	5106
		3-25-69	2.4	223.6	5106
20N/01W-03D01M	114.0	10-18-68	20.0	94.0	5106
		3-26-69	13.5	100.5	5106
20N/01W-15A01M	107.0	10-18-68	13.4	93.6	5106
		3-26-69	8.8	98.2	5106
20N/01W-26H01M	105.2	10-18-68	10.2	95.0	5106
		3-26-69	7.2	98.0	5106
20N/01W-26H02M	105.6	10-18-68	9.3	96.3	5106
		3-26-69	6.2	99.4	5106
21N/01E-05G01M	149.0	10-22-68	23.7	125.3	5050
		11-21-68	21.8	127.2	5050
		12-19-68	20.4	128.6	5050
		1-29-69	13.4	135.6	5050
		2-25-69	9.7	139.3	5050
		3-20-69	8.7	140.3	5050
		4-23-69	10.1	138.9	5050
		5-28-69	(1)		5050
		6-26-69	(1)		5050
		7-23-69	(1)		5050
		8-21-69	(1)		5050
		9-23-69	20.5	128.5	5050
21N/01E-05M01M	141.0	10-21-68	18.2	122.8	5106
		3-26-69	5.5	135.5	5106
21N/01E-08A01M	152.1	10-21-68	26.2	125.9	5106
		3-26-69	9.7	142.4	5106
21N/01E-12K01M	187.0	10-21-68	50.7	136.3	5106
		3-27-69	25.5	161.5	5106
21N/01E-13K01M	177.0	10-21-68	46.1	130.9	5106
		3-26-69	32.4	144.6	5106
21N/01E-17A01M	137.0	10-21-68	16.4	120.6	5106
		3-26-69	(0)		5106
21N/01E-23C01M	160.5	10-21-68	37.6	122.9	5106
		3-26-69	25.7	134.8	5106
21N/01E-27D01M	141.0	10-18-68	29.2	111.8	5106
		3-26-69	15.7	125.3	5106
21N/01E-28M01M	135.0	10-22-68	23.5	111.5	5050
		11-21-68	22.4	112.6	5050
		12-19-68	21.6	113.4	5050
		1-29-69	13.8	121.2	5050
		2-25-69	10.5	124.5	5050
		3-20-69	9.6	125.4	5050
		4-23-69	10.2	124.8	5050
		5-28-69	15.2	119.8	5050
		6-26-69	20.6	114.4	5050
		7-23-69	23.6	111.4	5050
		8-21-69	24.9	110.1	5050
		9-23-69	22.5	112.5	5050
21N/01E-31L01M	115.0	10-22-68	8.3	106.7	5050
		11-21-68	8.0	107.0	5050
		12-19-68	5.6	109.4	5050
		1-29-69	1.8	113.2	5050
		2-25-69	1.2	113.8	5050
		3-20-69	1.8	113.2	5050
		4-23-69	3.5	111.5	5050
		5-28-69	5.1	109.9	5050
		6-26-69	7.2	107.8	5050
		7-23-69	7.5	107.5	5050
		8-21-69	7.2	107.8	5050
		9-23-69	6.4	108.6	5050
21N/01E-33A01M	135.0	10-18-68	27.0	108.0	5106
		3-26-69	12.3	122.7	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)					
21N/02E-07C01M	203.0	10-21-68	69.9	133.1	5106
		3-27-69	53.8	149.2	5106
21N/02E-08E02M	205.0	10-21-68	13.5	191.5	5106
		3-27-69	4.5	200.5	5106
21N/02E-08E03M	205.0	10-21-68	44.5	160.5	5106
		3-27-69	48.5	156.5	5106
21N/02E-17G01M	185.0	10-22-68	10.4	174.6	5106
		3-27-69	5.1	179.9	5106
21N/02E-26E02M	177.0	10-22-68	35.6	141.4	5050
		11-21-68	32.4	144.6	5050
		12-19-68	24.1	152.9	5050
		1-29-69	19.9	157.1	5050
		2-25-69	16.8	160.2	5050
		3-20-69	16.3	160.7	5050
		4-23-69	16.2	160.8	5050
		5-28-69	19.1	157.9	5050
		6-26-69	19.8	157.2	5050
		7-23-69	21.2	155.8	5050
		8-21-69	23.3	153.7	5050
		9-23-69	27.3	149.7	5050
21N/02E-26F01M	181.0	10-22-68	51.7	129.3	5106
		3-27-69	46.7	134.3	5106
21N/02E-29E01M	155.5	10-18-68	16.5	139.0	5106
		3-26-69	7.4	148.1	5106
21N/02E-31K01M	146.0	10-18-68	24.9	121.1	5106
		3-26-69	10.1	135.9	5106
21N/03E-31F02M	208.0	10-22-68	51.0	157.0	5106
		3-27-69	51.0	157.0	5106
21N/01W-01E01M	130.0	10-21-68	16.6	113.4	5106
		3-27-69	13.6	116.4	5106
21N/01W-23J01M	117.0	10-18-68	11.1	105.9	5106
		3-26-69	6.0	111.0	5106
21N/01W-26K01M	115.3	10-18-68	17.3	98.0	5106
		3-26-69	9.9	105.4	5106
21N/01W-36A01M	115.0	10-18-68	5.7	109.3	5106
		3-26-69	2.6	112.4	5106
22N/01E-02R01M	218.0	10-22-68	67.3	150.7	5106
		3-27-69	53.4	164.6	5106
22N/01E-09J02M	178.0	10-22-68	31.6	146.4	5106
		3-27-69	18.3	159.7	5106
22N/01E-16K02M	178.0	10-21-68	37.0	141.0	5106
		3-27-69	23.8	154.2	5106
22N/01E-19K01M	151.0	10-21-68	19.8	131.2	5106
		3-27-69	7.5	143.5	5106
22N/01E-20K01M	165.5	10-22-68	31.3	134.2	5050
		11-21-68	31.0	134.5	5050
		12-19-68	30.7	134.8	5050
		1-29-69	28.0	137.5	5050
		2-25-69	21.4	144.1	5050
		3-20-69	18.9	146.6	5050
		4-23-69	18.0	147.5	5050
		5-28-69	21.6	143.9	5050
		6-26-69	(1)		5050
		7-23-69	(1)		5050
		8-21-69	30.2	135.3	5050
		9-23-69	(1)		5050
22N/01E-20L01M	159.0	10-21-68	28.9	130.1	5106
		3-27-69	15.9	143.1	5106
22N/01E-21E01M	155.0	10-21-68	29.6	125.4	5106
		3-27-69	9.4	145.6	5106
22N/01E-28J02M	176.0	10-22-68	23.1	152.9	5050
		11-21-68	21.9	154.1	5050
		12-19-68	20.8	155.2	5050
		1-29-69	16.3	159.7	5050
		2-25-69	12.8	163.2	5050
		3-20-69	12.1	163.9	5050
		4-23-69	12.9	163.1	5050
		5-28-69	15.8	160.2	5050
		6-26-69	17.7	158.3	5050
		7-23-69	19.4	156.6	5050
		8-21-69	21.0	155.0	5050
		9-23-69	21.4	154.6	5050
22N/01E-29R01M	164.7	10-21-68	11.6	153.1	5106
		3-26-69	12.9	151.8	5106
22N/01E-31J01M	147.0	10-21-68	17.2	129.8	5106
		3-26-69	5.4	141.6	5106
22N/02E-17E01M	281.0	10-22-68	(3)		5106
		3-27-69	66.4	214.6	5106
22N/01W-05M01M	149.9	10-23-68	17.8	132.1	5106
		3-28-69	11.9	138.0	5106
22N/01W-10C01M	147.3	10-21-68	13.4	133.9	5106
		3-27-69	2.7	144.6	5106
22N/01W-12A01M	157.0	10-21-68	21.2	135.8	5106
		3-27-69	7.3	149.7	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)					
22N/01W-12J01M	153.0	10-21-68	(1)		5106
		3-27-69	3.9	149.1	5106
22N/01W-20A01M	145.0	10-21-68	18.0	127.0	5106
		3-27-69	16.2	128.8	5106
23N/01E-05H01M	390.0	10-22-68	(6)		5106
23N/01E-07D01M	262.0	10-22-68	96.6	165.4	5106
		3-28-69	49.0	213.0	5106
23N/01E-22K01M	310.0	10-22-68	53.6	256.4	5106
		3-27-69	50.6	259.4	5106
23N/01E-27J01M	297.0	10-22-68	138.3	158.7	5106
		3-27-69	137.3	159.7	5106
23N/01E-28F01M	215.0	10-22-68	56.0	159.0	5106
		3-27-69	56.5	158.5	5106
23N/01E-29H01M	216.0	10-22-68	41.8	174.2	5106
		3-27-69	5.9	210.1	5106
23N/01E-29K01M	209.2	10-22-68	20.4	188.8	5106
		3-27-69	5.7	203.5	5106
23N/01E-29P01M	203.0	10-22-68	40.2	162.8	5050
		11-21-68	40.5	162.5	5050
		12-19-68	38.5	164.5	5050
		1-29-69	16.0	187.0	5050
		2-25-69	11.0	192.0	5050
		3-20-69	10.9	192.1	5050
		4-23-69	13.0	190.0	5050
		5-28-69	14.6	188.4	5050
		6-26-69	14.4	188.6	5050
		7-23-69	24.4	178.6	5050
		8-21-69	30.8	172.2	5050
		9-23-69	31.5	171.5	5050
23N/01E-33Q01M	218.0	10-22-68	59.6	158.4	5106
		3-27-69	57.4	160.6	5106
23N/01W-09E01M	181.0	10-22-68	28.8	152.2	5106
		3-28-69	17.4	163.6	5106
23N/01W-10J02M	196.5	10-22-68	(6)		5106
23N/01W-14R01M	189.0	10-22-68	31.9	157.1	5050
		11-21-68	34.2	154.8	5050
		12-19-68	29.2	159.8	5050
		1-29-69	27.5	161.5	5050
		2-25-69	25.2	163.8	5050
		3-20-69	23.8	165.2	5050
		4-23-69	24.1	164.9	5050
		5-28-69	25.5	163.5	5050
		6-26-69	32.3	156.7	5050
		7-23-69	30.5	158.5	5050
		8-21-69	32.3	156.7	5050
		9-23-69	30.9	158.1	5050
23N/01W-18Q01M	164.9	10-22-68	18.6	146.3	5106
		3-28-69	8.1	156.8	5106
23N/01W-22C02M	170.0	10-22-68	21.0	149.0	5106
		3-28-69	9.0	161.0	5106
23N/01W-27K01M	162.4	10-23-68	16.1	146.3	5106
		3-28-69	4.0	158.4	5106
23N/01W-33A01M	153.0	10-23-68	14.5	138.5	5106
		3-28-69	2.6	150.4	5106
23N/01W-36P01M	162.0	10-23-68	19.5	142.5	5106
		3-28-69	6.2	155.8	5106
23N/02W-13A01M	166.8	10-23-68	17.7	149.1	5106
		3-28-69	8.6	158.2	5106
23N/02W-23K02M	160.9	10-22-68	17.3	143.6	5106
		3-28-69	11.8	149.1	5106
23N/02W-25C01M	155.0	10-23-68	21.1	133.9	5106
		3-28-69	13.4	141.6	5106
COLUSA COUNTY 5-21.04					
13N/01E-11A01M	31.8	10-15-68	7.2	24.6	5050
		3-27-69	0.6	31.2	5050
13N/01E-32Q01M	23.0	10-21-68	7.8	15.2	5050
		11-22-68	8.4	14.6	5050
		12-18-68	8.2	14.8	5050
		1-27-69	4.4	18.6	5050
		2-24-69	3.6	19.4	5050
		3-19-69	4.6	18.4	5050
		4-22-69	6.2	16.8	5050
		5-27-69	6.2	16.8	5050
		6-26-69	7.2	15.8	5050
		7-22-69	7.6	15.4	5050
		8-20-69	7.4	15.6	5050
		9-22-69	8.1	14.9	5050
13N/01W-05R01M	40.1	10-11-68	15.0	25.1	5001
		4-02-69	24.6	15.5	5001
13N/01W-08M01M	75.0	10-11-68	65.4	9.6	5001
		4-02-69	(1)		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
COLUSA COUNTY 5-21.04 (Continued)					
13N/01W-08Q01M	56.0	10-11-68	47.4	8.6	5001
		4-02-69 (2)	58.7	-2.7	5001
13N/01W-08Q02M	56.0	10-11-68	(4)		5001
		4-02-69 (2)	41.7	14.3	5001
13N/01W-15N03M	43.0	10-11-68	38.2	4.8	5001
		4-02-69	28.9	14.1	5001
13N/01W-16N03M	56.0	10-11-68	50.8	5.2	5001
		4-02-69 (2)	65.6	-9.6	5001
13N/01W-19J01M	105.0	10-11-68	(7)		5001
		4-02-69	(0)		5001
13N/01W-22P02M	58.0	10-11-68	57.4	0.6	5001
		4-02-69	45.3	12.7	5001
13N/01W-23F02M	40.0	10-11-68	40.2	-0.2	5001
		4-02-69	18.9	21.1	5001
13N/01W-28E02M	91.0	10-11-68	101.0	-10.0	5001
		4-02-69	74.9	16.1	5001
13N/01W-34P01M	75.3	10-09-68	59.9	15.4	5001
		4-01-69	59.5	15.8	5001
13N/01W-36N01M	48.0	10-09-68	49.6	-1.6	5001
		4-01-69	27.3	20.7	5001
13N/02W-04G01M	187.0	10-21-68	133.8	53.2	5050
		11-22-68	127.8	59.2	5050
		12-18-68	126.3	60.7	5050
		1-27-69	121.7	65.3	5050
		2-24-69	118.4	68.6	5050
		3-19-69	116.5	70.5	5050
		4-22-69	115.5	71.5	5050
		5-27-69	124.2	62.8	5050
		6-26-69	131.9	55.1	5050
		7-22-69	133.8	53.2	5050
		8-20-69	135.9	51.1	5050
		9-22-69	129.9	57.1	5050
13N/02W-04G03M	187.0	10-21-68	129.9	57.1	5050
		11-22-68	124.4	62.6	5050
		12-18-68	125.6	61.4	5050
		1-27-69	121.0	66.0	5050
		2-24-69	115.5	71.5	5050
		3-19-69	113.7	73.3	5050
		4-22-69	112.9	74.1	5050
		5-27-69	120.2	66.8	5050
		6-26-69	126.7	60.3	5050
		7-22-69	129.0	58.0	5050
		8-20-69	127.8	59.2	5050
		9-22-69	125.3	61.7	5050
13N/02W-05H03M	210.0	10-09-68	196.0	14.0	5001
		4-01-69	172.5	37.5	5001
13N/02W-11M01M	185.0	10-09-68	134.5	50.5	5001
		4-01-69	121.7	63.3	5001
13N/02W-12L01M	133.0	10-11-68	(1)		5001
		4-02-69	106.9	26.1	5001
13N/02W-13R01M	142.0	10-11-68	(3)		5001
		4-02-69	115.9	26.1	5001
13N/02W-21N01M	357.0	10-09-68	(9)		5001
		4-01-69	293.0	64.0	5001
13N/02W-22H01M	245.0	10-09-68	146.7	98.3	5001
		4-01-69	144.5	100.5	5001
13N/02W-25F01M	189.0	10-09-68	145.7	43.3	5001
		4-01-69	125.6	63.4	5001
14N/01E-33R01M	32.1	10-21-68	10.0	22.1	5050
		11-22-68	9.9	22.2	5050
		12-18-68	9.3	22.8	5050
		1-27-69	3.5	28.6	5050
		2-24-69	2.7	29.4	5050
		3-19-69	4.4	27.7	5050
		4-22-69	6.2	25.9	5050
		5-27-69	7.3	24.8	5050
		6-26-69	5.8	26.3	5050
		7-22-69	10.0	22.1	5050
		8-20-69	11.6	20.5	5050
		9-22-69	9.1	23.0	5050
14N/01E-34R01M	32.2	10-15-68	7.7	24.5	5050
		3-27-69	3.2	29.0	5050
14N/01W-03L02M	39.0	10-15-68	29.0	10.0	5050
		3-27-69	5.2	33.8	5050
14N/01W-04K03M	35.0	10-15-68	12.8	22.2	5050
		3-27-69	2.4	32.6	5050
14N/01W-12A01M	36.0	10-15-68	12.8	23.2	5050
		3-27-69	3.0	33.0	5050
14N/01W-32R01M	32.0	10-09-68	13.0	19.0	5001
		4-02-69	7.0	25.0	5001
14N/02W-04B01M	79.0	10-09-68	23.8	55.2	5001
		4-02-69	13.9	65.1	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
COLUSA COUNTY 5-21.04 (Continued)					
14N/02W-13N01M	60.0	10-09-68	(1)		5001
		4-02-69	21.4	38.6	5001
14N/02W-16N02M	118.0	10-21-68	61.1	56.9	5050
		11-22-68	59.4	58.6	5050
		12-18-68	58.8	59.2	5050
		1-27-69	57.5	60.5	5050
		2-24-69	54.8	63.2	5050
		3-19-69	53.6	64.4	5050
		4-22-69	53.2	64.8	5050
		5-27-69	60.6	57.4	5050
		6-26-69	62.0	56.0	5050
		7-22-69	62.0	56.0	5050
		8-20-69	61.5	56.5	5050
		9-22-69	64.6	53.4	5050
14N/02W-18P01M	145.0	10-09-68	(3) 123.5	21.5	5001
		4-01-69	(8) 91.9	53.1	5001
14N/02W-18Q01M	156.0	10-15-68	108.7	47.3	5050
		3-27-69	(0)		5050
14N/02W-19R01M	189.5	10-09-68	(0)		5001
14N/02W-22P01M	112.0	10-15-68	(8) 85.9	26.1	5050
		3-27-69	62.1	49.9	5050
14N/02W-23P01M	89.0	10-09-68	(8) 61.3	27.7	5001
		4-02-69	(8) 45.4	43.6	5001
14N/02W-29J01M	160.0	10-15-68	(8) 106.7	53.3	5050
		3-27-69	94.6	65.4	5050
14N/02W-31N02M	283.0	10-09-68	(9)		5001
		4-01-69	247.8	35.2	5001
14N/02W-34N01M	159.1	10-09-68	(2) 99.4	59.7	5001
		4-01-69	85.2	73.9	5001
14N/02W-36D01M	94.0	10-09-68	80.1	13.9	5001
		4-02-69	59.6	34.4	5001
14N/02W-36N02M	110.5	10-09-68	94.5	16.0	5001
		4-02-69	82.3	28.2	5001
14N/03W-01D01M	121.7	10-09-68	(7)		5001
		4-01-69	(0)		5001
14N/03W-01K01M	122.0	10-15-68	50.5	71.5	5050
		3-27-69	44.5	77.5	5050
14N/03W-11A01M	136.0	10-15-68	70.5	65.5	5050
		4-22-69	60.2	75.8	5050
14N/03W-11G01M	140.0	10-15-68	(8) 80.1	59.9	5050
		3-27-69	(8) 65.3	74.7	5050
14N/03W-11H01M	135.0	10-15-68	76.9	58.1	5050
		3-27-69	(8) 58.0	77.0	5050
14N/03W-12F02M	123.0	10-09-68	56.9	66.1	5001
		4-01-69	46.1	76.9	5001
14N/03W-14Q02M	171.0	10-15-68	147.3	23.7	5050
		3-27-69	126.9	44.1	5050
14N/03W-24C01M	170.0	10-09-68	111.4	58.6	5001
		4-01-69	105.7	64.3	5001
14N/03W-36B01M	275.0	10-09-68	122.8	152.2	5001
		4-01-69	111.0	164.0	5001
15N/01W-27E02M	45.7	10-15-68	29.0	16.7	5050
		3-27-69	11.2	34.5	5050
15N/02W-13H01M	39.0	10-15-68	4.8	34.2	5050
		3-27-69	0.6	38.4	5050
15N/02W-20A01M	63.1	10-15-68	1.8	61.3	5050
		3-27-69	1.1	62.0	5050
15N/03W-18J01M	118.5	10-09-68	8.4	110.1	5001
		4-02-69	5.1	113.4	5001
15N/03W-27G01M	111.4	10-09-68	14.1	97.3	5001
		4-01-69	15.9	95.5	5001
15N/03W-32B01M	150.0	10-09-68	34.0	116.0	5001
		4-01-69	32.4	117.6	5001
15N/03W-33N02M	164.0	10-21-68	64.1	99.9	5050
		11-22-68	61.7	102.3	5050
		12-18-68	60.8	103.2	5050
		1-27-69	62.0	102.0	5050
		2-24-69	60.9	103.1	5050
		3-19-69	58.8	105.2	5050
		4-22-69	58.2	105.8	5050
		5-27-69	61.4	102.6	5050
		6-26-69	68.5	95.5	5050
		7-22-69	(1)		5050
		8-20-69	(1)		5050
		9-22-69	66.9	97.1	5050
15N/04W-14J01M	155.7	10-09-68	(7)		5001
		4-02-69	14.8	140.9	5001
16N/01W-20F01M	59.0	10-14-68	22.4	36.6	5050
		3-26-69	11.4	47.6	5050
COLUSA COUNTY 5-21.04 (Continued)					
16N/02W-09R01M	50.0	10-14-68	8.5	41.5	5050
		3-26-69	3.9	46.1	5050
16N/02W-24N01M	56.0	10-14-68	16.4	39.6	5050
		3-26-69	8.4	47.6	5050
16N/02W-25B02M	53.0	10-21-68	14.6	38.4	5050
		11-22-68	14.0	39.0	5050
		12-18-68	13.3	39.7	5050
		1-27-69	9.8	43.2	5050
		2-24-69	7.4	45.6	5050
		3-19-69	6.9	46.1	5050
		4-22-69	8.3	44.7	5050
		5-27-69	12.8	40.2	5050
		6-26-69	14.0	39.0	5050
		7-22-69	15.7	37.3	5050
		8-20-69	16.2	36.8	5050
		9-22-69	14.3	38.7	5050
16N/02W-26L01M	47.0	10-14-68	6.0	41.0	5050
		3-26-69	1.6	45.4	5050
16N/03W-01A01M	62.8	10-14-68	6.7	56.1	5050
		3-26-69	4.7	58.1	5050
16N/03W-13E02M	63.0	10-14-68	1.1	61.9	5050
		3-26-69	1.8	61.2	5050
16N/03W-20P01M	91.0	10-21-68	6.7	84.3	5050
		11-22-68	6.2	84.8	5050
		12-18-68	5.9	85.1	5050
		1-27-69	4.3	86.7	5050
		2-24-69	4.3	86.7	5050
		3-19-69	5.7	85.3	5050
		4-22-69	5.7	85.3	5050
		5-27-69	2.6	88.4	5050
		6-26-69	2.6	88.4	5050
		7-22-69	2.4	88.6	5050
		8-20-69	2.1	88.9	5050
		9-22-69	4.7	86.3	5050
16N/03W-35N02M	73.0	10-14-68	8.3	64.7	5050
		3-27-69	6.2	66.8	5050
16N/04W-11A01M	139.5	10-14-68	14.4	125.1	5050
		3-26-69	11.1	128.4	5050
16N/04W-23E01M	148.0	10-14-68	5.6	142.4	5050
		4-22-69	0.9	147.1	5050
16N/04W-35J01M	125.0	10-14-68	7.2	117.8	5050
		3-26-69	1.6	123.4	5050
17N/01W-06R01M	70.0	10-14-68	18.3	51.7	5050
		3-26-69	14.7	55.3	5050
17N/02W-24C01M	68.0	10-14-68	16.5	51.5	5050
		3-26-69	(0)		5050
17N/02W-30F01M	60.0	10-15-68	7.0	53.0	5050
		3-26-69	5.1	54.9	5050
17N/02W-34R02M	60.0	10-14-68	14.4	45.6	5050
		3-26-69	8.9	51.1	5050
17N/03W-10C01M	94.2	10-14-68	7.3	86.9	5050
		3-26-69	6.1	88.1	5050
17N/03W-18H01M	125.0	10-14-68	(8)		5050
		3-26-69	12.2	112.8	5050
17N/03W-29B01M	115.0	10-14-68	6.5	108.5	5050
		3-26-69	6.1	108.9	5050
17N/03W-31N01M	121.5	10-14-68	(8)		5050
		3-26-69	4.6	116.9	5050
17N/03W-33N01M	101.0	10-15-68	6.5	94.5	5050
		3-26-69	6.4	94.6	5050
17N/04W-25C01M	127.0	10-15-68	15.7	111.3	5050
		4-22-69	12.0	115.0	5050
17N/04W-34G01M	175.0	10-14-68	12.0	163.0	5050
		3-26-69	2.2	172.8	5050
18N/01W-18Q01M	76.5	10-14-68	(6)		5050
18N/01W-32P01M	76.0	10-14-68	17.5	58.5	5050
		3-26-69	11.0	65.0	5050
18N/01W-35K01M	60.0	10-14-68	3.7	56.3	5050
		3-26-69	3.0	57.0	5050
18N/02W-15N01M	69.7	10-14-68	3.6	66.1	5050
		3-26-69	2.2	67.5	5050
18N/02W-19A01M	78.1	10-14-68	3.7	74.4	5050
		3-26-69	2.6	75.5	5050
18N/02W-36B01M	73.0	10-14-68	9.4	63.6	5050
		3-26-69	4.6	68.4	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
SUTTER COUNTY 5-21.05					
10N/04E-02K01M	25.0	10-08-68	36.6	-11.6	5102
		10-30-68	36.1	-11.1	5050
		11-29-68	36.0	-11.0	5050
		12-26-68	35.9	-10.9	5050
		1-29-69	33.9	-8.9	5050
		2-26-69	30.9	-5.9	5050
		3-27-69	29.0	-4.0	5050
		4-02-69	29.0	-4.0	5102
		4-24-69	(1)		5050
		5-28-69	(1)		5050
		6-26-69	(1)		5050
10N/04E-12A01M	43.1	10-08-68	65.1	-22.0	5102
		4-02-69	56.8	-13.7	5102
11N/03E-01D01M	25.6	10-08-68	8.6	17.0	5102
		4-02-69	5.5	20.1	5102
11N/03E-03C02M	26.4	10-08-68	12.8	13.6	5102
		4-02-69	4.3	22.1	5102
11N/03E-08N01M	18.0	10-15-68	6.4	11.6	5050
		3-21-69	1.5	16.5	5050
11N/03E-10N01M	28.5	10-08-68	16.0	12.5	5102
		4-02-69	8.0	20.5	5102
11N/03E-15C01M	28.7	10-08-68	15.2	13.5	5102
		4-02-69	7.0	21.7	5102
11N/03E-20N03M	27.0	10-03-68	11.8	15.2	5102
		4-03-69	3.8	23.2	5102
11N/03E-22H01M	27.0	10-08-68	17.4	9.6	5102
		4-02-69	10.0	17.0	5102
11N/04E-01M02M	45.5	10-30-68	39.9	5.6	5050
		11-27-68	38.2	7.3	5050
		12-26-68	37.0	8.5	5050
		1-29-69	36.0	9.5	5050
		2-26-69	34.0	11.5	5050
		3-26-69	32.4	13.1	5050
		4-24-69	33.1	12.4	5050
		5-28-69	35.0	10.5	5050
		6-26-69	34.8	10.7	5050
11N/04E-01M03M	46.3	10-08-68	41.6	4.7	5102
		3-28-69	31.6	14.7	5102
11N/04E-03P02M	35.0	10-07-68	34.8	0.2	5102
		3-27-69	19.8	15.2	5102
11N/04E-05B02M	26.8	10-08-68	4.5	22.3	5401
		4-02-69	2.3	24.5	5401
11N/04E-06B01M	23.9	10-08-68	4.6	19.3	5102
		10-31-68	5.3	18.6	5050
		11-29-68	4.5	19.4	5050
		12-27-68	3.0	20.9	5050
		1-29-69	1.1	22.8	5050
		2-27-69	0.9	23.0	5050
		3-27-69	1.8	22.1	5050
		4-02-69	2.3	21.6	5102
		4-24-69	3.4	20.5	5050
		5-29-69	4.9	19.0	5050
		6-26-69	5.1	18.8	5050
11N/04E-09D02M	28.0	10-31-68	14.2	13.8	5050
		11-29-68	13.8	14.2	5050
		12-27-68	13.6	14.4	5050
		1-29-69	3.0	25.0	5050
		2-27-69	1.9	26.1	5050
		3-27-69	7.3	20.7	5050
		4-24-69	8.6	19.4	5050
		5-29-69	11.2	16.8	5050
		6-26-69	12.5	15.5	5050
11N/04E-11C02M	41.9	10-08-68	(9)		5102
		3-27-69	31.0	10.9	5102
11N/04E-13D01M	47.4	10-08-68	(1)		5102
		10-24-68	56.7	-9.3	5102
		3-29-69	50.0	-2.6	5102
11N/04E-13R01M	50.0	10-08-68	(1)		5401
		10-24-68	71.8	-21.8	5050
		3-29-69	(2)		5401
11N/04E-15C01M	30.9	10-08-68	36.8	-5.9	5102
		3-27-69	22.6	8.3	5102
11N/04E-15Q01M	33.1	10-08-68	(3)		5401
		4-02-69	34.0	-0.9	5401
11N/04E-19E02M	29.0	10-08-68	12.0	17.0	5102
		4-02-69	9.0	20.0	5102
11N/04E-23J01M	41.0	10-08-68	71.5	-30.5	5102
		3-29-69	61.8	-20.8	5102
11N/04E-24R01M	47.0	10-01-68	77.5	-30.5	5401
		3-29-69	66.0	-19.0	5401
11N/04E-33J01M	25.6	10-08-68	15.8	9.8	5102
		3-29-69	14.4	11.2	5102

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)					
11N/04E-34N01M	25.0	10-30-68	15.7	9.3	5050
		11-29-68	18.1	6.9	5050
		12-26-68	18.2	6.8	5050
		1-29-69	15.0	10.0	5050
		2-26-69	12.8	12.2	5050
		3-27-69	13.5	11.5	5050
		4-25-69	(1)		5050
		5-29-69	(1)		5050
		6-26-69	(1)		5050
11N/04E-35J01M	39.0	10-08-68	68.5	-29.5	5102
		4-02-69	61.3	-22.3	5102
12N/01E-01A01M	26.9	10-03-68	6.0	20.9	5102
		4-01-69	5.5	21.4	5102
12N/02E-11P02M	20.0	10-03-68	5.5	14.5	5102
		4-01-69	5.4	14.6	5102
12N/02E-20P01M	25.0	10-03-68	11.5	13.5	5102
		4-01-69	6.2	18.8	5102
12N/02E-23K01M	20.0	10-03-68	5.0	15.0	5102
		10-31-68	5.5	14.5	5050
		11-29-68	4.6	15.4	5050
		12-27-68	3.3	16.7	5050
		1-30-69	1.4	18.6	5050
		2-27-69	1.2	18.8	5050
		3-27-69	2.7	17.3	5050
		4-01-69	3.2	16.8	5102
		4-25-69	2.6	17.4	5050
		5-29-69	1.7	18.3	5050
		6-27-69	1.9	18.1	5050
12N/03E-12C01M	29.5	10-03-68	8.8	20.7	5102
		4-03-69	4.7	24.8	5102
12N/03E-23N01M	30.0	10-08-68	(1)		5102
		4-02-69	3.8	26.2	5102
12N/03E-24A01M	24.5	10-08-68	12.1	12.4	5102
		4-02-69	3.0	21.5	5102
12N/03E-24Q01M	30.0	10-08-68	10.9	19.1	5102
		4-02-69	5.1	24.9	5102
12N/03E-30H01M	18.8	10-08-68	4.4	14.4	5102
		4-03-69	2.3	16.5	5102
12N/04E-02B01M	56.0	10-08-68	9.6	46.4	5401
		4-02-69	8.8	47.2	5401
12N/04E-03R01M	52.0	10-03-68	19.5	32.5	5102
		3-28-69	11.9	40.1	5102
12N/04E-05R04M	41.0	10-08-68	24.6	16.4	5401
		4-02-69	13.8	27.2	5401
12N/04E-08D03M	34.0	10-08-68	20.5	13.5	5401
		4-02-69	7.8	26.2	5401
12N/04E-10D02M	48.0	10-08-68	13.8	34.2	5401
		4-02-69	8.6	39.4	5401
12N/04E-13C01M	50.7	10-08-68	18.9	31.8	5102
		3-28-69	14.3	36.4	5102
12N/04E-14P01M	41.0	10-08-68	6.1	34.9	5102
		4-02-69	3.9	37.1	5102
12N/04E-15M01M	41.0	10-08-68	7.0	34.0	5401
		4-02-69	3.8	37.2	5401
12N/04E-16A04M	40.0	10-08-68	12.3	27.7	5401
		4-02-69	7.1	32.9	5401
12N/04E-17D01M	32.0	10-08-68	17.4	14.6	5401
		4-02-69	6.0	26.0	5401
12N/04E-17J01M	32.0	10-08-68	13.5	18.5	5102
		10-30-68	12.4	19.6	5050
		11-29-68	11.7	20.3	5050
		12-27-68	10.8	21.2	5050
		1-29-69	7.0	25.0	5050
		2-27-69	4.0	28.0	5050
		3-27-69	3.7	28.3	5050
		4-02-69	3.8	28.2	5102
		4-24-69	5.3	26.7	5050
		5-29-69	15.1	16.9	5050
		6-26-69	12.2	19.8	5050
12N/04E-18D01M	31.4	10-08-68	16.3	15.1	5102
		4-02-69	11.2	20.2	5102
12N/04E-20C01M	32.0	10-08-68	12.4	19.6	5401
		4-02-69	(9)		5401
12N/04E-20P01M	29.0	10-08-68	9.5	19.5	5401
		4-02-69	3.4	25.6	5401
12N/04E-24M02M	52.0	10-07-68	17.3	34.7	5401
		4-02-69	13.7	38.3	5401
12N/04E-28H01M	36.0	10-08-68	5.3	30.7	5102
		4-02-69	3.0	33.0	5102
12N/04E-33L01M	31.0	10-08-68	8.4	22.6	5102
		4-02-69	5.0	26.0	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)					
12N/04E-34H01M	38.0	10-08-68	13.7	24.3	5401
		4-02-69	6.7	31.3	5401
12N/04E-35H01M	48.4	10-30-68	31.6	16.8	5050
		11-27-68	31.0	17.4	5050
		12-26-68	30.0	18.4	5050
		1-29-69	28.2	20.2	5050
		2-26-69	25.8	22.6	5050
		3-26-69	25.1	23.3	5050
		4-24-69	26.3	22.1	5050
		5-29-69	28.3	20.1	5050
		6-26-69	28.6	19.8	5050
		7-29-69	29.1	19.3	5050
		8-28-69	28.0	20.4	5050
		9-28-69	27.5	20.9	5050
12N/04E-35H02M	48.4	10-08-68	(9)		5102
		3-27-69	25.0	23.4	5102
12N/04E-36Q01M	48.0	10-08-68	38.8	9.2	5102
		3-27-69	33.3	14.7	5102
13N/01E-01J01M	39.0	10-03-68	9.7	29.3	5102
		4-01-69	3.5	35.5	5102
13N/01E-12J02M	38.0	10-03-68	13.6	24.4	5102
		4-01-69	10.3	27.7	5102
13N/01E-23B01M	35.6	10-03-68	11.3	24.3	5102
		4-01-69	9.3	26.3	5102
13N/02E-04J01M	27.5	10-03-68	6.2	21.3	5102
		4-01-69	(5)		5102
13N/02E-23B02M	26.0	10-15-68	5.8	20.2	5050
		3-21-69	4.7	21.3	5050
13N/02E-34M01M	21.0	10-03-68	7.8	13.2	5102
		10-31-68	7.2	13.8	5050
		11-29-68	8.5	12.5	5050
		12-27-68	7.3	13.7	5050
		1-30-69	3.9	17.1	5050
		2-27-69	4.0	17.0	5050
		3-27-69	6.4	14.6	5050
		4-01-69	6.6	14.4	5102
		4-25-69	5.5	15.5	5050
		5-29-69	2.7	18.3	5050
		6-27-69	2.5	18.5	5050
13N/03E-02H01M	42.9	10-08-68	17.4	25.5	5102
		4-03-69	9.1	33.8	5102
13N/03E-04J01M	38.0	10-15-68	13.6	24.4	5050
		3-21-69	4.8	33.2	5050
13N/03E-06K01M	33.7	10-04-68	(1)		5102
		4-04-69	4.5	29.2	5102
13N/03E-08M02M	33.0	10-04-68	5.3	27.7	5102
		4-04-69	4.2	28.8	5102
13N/03E-13D01M	38.8	10-08-68	15.1	23.7	5102
		4-03-69	6.8	32.0	5102
13N/03E-14C02M	36.0	10-08-68	11.4	24.6	5102
		4-03-69	5.0	31.0	5102
13N/03E-16A01M	34.6	10-04-68	9.0	25.6	5102
		4-04-69	4.9	29.7	5102
13N/03E-23K01M	35.0	10-03-68	8.2	26.8	5102
		10-30-68	9.4	25.6	5050
		11-29-68	8.8	26.2	5050
		12-27-68	7.4	27.6	5050
		1-29-69	3.4	31.6	5050
		2-27-69	2.6	32.4	5050
		3-26-69	3.8	31.2	5050
		4-03-69	4.6	30.4	5102
		4-25-69	5.3	29.7	5050
		5-29-69	4.3	30.7	5050
		6-27-69	4.8	30.2	5050
13N/03E-24D01M	36.2	10-03-68	10.3	25.9	5102
		4-03-69	3.4	32.8	5102
13N/03E-32N01M	23.0	10-15-68	4.7	18.3	5050
		3-21-69	(9)		5050
13N/03E-35K02M	33.0	10-03-68	5.6	27.4	5102
		4-03-69	3.8	29.2	5102
13N/04E-13D01M	62.0	10-07-68	25.9	36.1	5401
		4-02-69	18.0	44.0	5401
13N/04E-13R01M	69.1	10-07-68	(1)		5102
		4-03-69	25.8	43.3	5102
13N/04E-16N01M	43.4	10-07-68	19.5	23.9	5102
		4-02-69	6.5	36.9	5102
13N/04E-22D01M	50.0	10-07-68	27.3	22.7	5401
		4-02-69	15.5	34.5	5401
13N/04E-22G01M	54.5	10-07-68	(2) 61.9	-7.4	5102
		10-24-68	32.0	22.5	5050
		4-02-69	21.5	33.0	5102
13N/04E-23A02M	57.0	10-07-68	24.5	32.5	5401
		4-03-69	16.5	40.5	5401
SUTTER COUNTY 5-21.05 (Continued)					
13N/04E-26R01M	59.0	10-07-68	(1)		5102
		4-03-69	26.0	33.0	5102
13N/04E-28R01M	48.0	10-07-68	42.2	5.8	5401
		4-03-69	26.3	21.7	5401
13N/04E-29A02M	40.0	10-07-68	21.4	18.6	5401
		4-02-69	6.3	33.7	5401
13N/04E-29F01M	39.0	10-07-68	20.2	18.8	5102
		4-02-69	7.8	31.2	5102
13N/04E-31R01M	35.0	10-07-68	18.1	16.9	5401
		4-02-69	6.5	28.5	5401
13N/04E-32G01M	45.0	10-07-68	26.5	18.5	5401
		4-02-69	15.8	29.2	5401
13N/04E-33P01M	47.0	10-07-68	26.9	20.1	5102
		4-02-69	(4)		5102
13N/04E-36E01M	60.0	10-07-68	(8)		5102
		10-30-68	31.7	28.3	5050
		11-27-68	30.1	29.9	5050
		12-26-68	29.1	30.9	5050
		1-29-69	27.3	32.7	5050
		2-26-69	25.2	34.8	5050
		3-26-69	24.2	35.8	5050
		4-03-69	24.0	36.0	5102
		4-24-69	25.9	34.1	5050
		5-28-69	37.6	22.4	5050
		6-26-69	35.2	24.8	5050
13N/05E-08E01M	78.0	10-07-68	42.4	35.6	5102
		4-02-69	31.6	46.4	5102
13N/05E-09R01M	83.5	10-07-68	30.4	53.1	5102
		3-28-69	18.7	64.8	5102
13N/05E-17G01M	74.0	10-07-68	25.9	48.1	5401
		4-02-69	15.1	58.9	5401
13N/05E-17R01M	70.0	10-07-68	29.6	40.4	5102
		4-02-69	26.7	43.3	5102
13N/05E-18C01M	69.6	10-07-68	36.1	33.5	5401
		4-02-69	24.5	45.1	5401
13N/05E-21R03M	80.0	10-07-68	30.1	49.9	5401
		4-02-69	24.4	55.6	5401
13N/05E-28N01M	80.2	10-07-68	45.5	34.7	5102
		4-02-69	31.7	48.5	5102
13N/05E-30A01M	70.5	10-07-68	31.4	39.1	5102
		4-03-69	26.0	44.5	5102
13N/05E-31K01M	68.0	10-07-68	28.8	39.2	5401
		4-03-69	(8)		5401
14N/01E-02B01M	36.7	10-03-68	6.3	30.4	5102
		4-01-69	6.1	30.6	5102
14N/01E-08A06M	39.0	10-03-68	6.3	32.7	5102
		4-01-69	5.2	33.8	5102
14N/01E-14G01M	37.0	10-03-68	6.9	30.1	5102
		10-31-68	7.5	29.5	5050
		11-29-68	7.2	29.8	5050
		12-27-68	5.7	31.3	5050
		1-30-69	2.4	34.6	5050
		2-27-69	2.1	34.9	5050
		3-27-69	4.1	32.9	5050
		4-01-69	4.3	32.7	5102
		4-25-69	4.7	32.3	5050
		5-29-69	(1)		5050
		6-27-69	10.4	26.6	5050
14N/01E-24Q01M	37.0	10-03-68	6.7	30.3	5102
		4-01-69	5.3	31.7	5102
14N/02E-14B01M	38.0	10-04-68	5.4	32.6	5102
		4-04-69	3.8	34.2	5102
14N/02E-17A02M	34.0	10-03-68	7.0	27.0	5102
		4-01-69	5.6	28.4	5102
14N/02E-26R01M	33.0	10-04-68	6.3	26.7	5102
		4-04-69	3.2	29.8	5102
14N/02E-31K01M	31.0	10-03-68	6.9	24.1	5102
		4-01-69	4.5	26.5	5102
14N/03E-05C01M	49.1	10-04-68	35.5	13.6	5102
		4-03-69	19.1	30.0	5102
14N/03E-08N01M	44.9	10-08-68	31.6	13.3	5102
		4-03-69	(4)		5102
14N/03E-10P03M	48.0	10-15-68	35.7	12.3	5050
		3-21-69	26.5	21.5	5050
14N/03E-14E02M	47.0	10-08-68	24.2	22.8	5102
		4-03-69	16.8	30.2	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/03E-17A03M	46.0	10-31-68	33.7	12.3	5050
		11-29-68	32.9	13.1	5050
		12-27-68	32.2	13.8	5050
		1-29-69	30.4	15.6	5050
		2-27-69	27.7	18.3	5050
		3-26-69	25.2	20.8	5050
		4-24-69	23.5	22.5	5050
		5-29-69	25.5	20.5	5050
		6-27-69	33.9	12.1	5050
14N/03E-18D01M	41.0	10-04-68	(8)		5102
		4-04-69	3.5	37.5	5102
14N/03E-22B02M	46.6	10-08-68	25.0	21.6	5102
		4-02-69	15.3	31.3	5102
14N/03E-31B01M	38.0	10-04-68	10.1	27.9	5102
		4-04-69	3.4	34.6	5102
14N/03E-33C01M	38.6	10-15-68	12.1	26.5	5050
		3-21-69	10.6	28.0	5050
15N/01E-12A01M	98.0	10-04-68	(9)		5102
		4-03-69	(9)		5102
15N/01E-13A01M	56.0	10-04-68	25.4	30.6	5102
		4-03-69	21.0	35.0	5102
15N/01E-14F01M	51.0	10-04-68	17.0	34.0	5102
		4-03-69	10.1	40.9	5102
15N/01E-16R01M	40.5	10-03-68	7.0	33.5	5102
		10-31-68	7.8	32.7	5050
		11-29-68	7.3	33.2	5050
		12-27-68	5.6	34.9	5050
		1-30-69	2.7	37.8	5050
		2-27-69	2.2	38.3	5050
		3-27-69	3.7	36.8	5050
		4-01-69	4.2	36.3	5102
		4-25-69	4.3	36.2	5050
		5-29-69	4.9	35.6	5050
		6-27-69	5.0	35.5	5050
15N/02E-10D02M	71.0	10-04-68	31.5	39.5	5102
		4-03-69	22.3	48.7	5102
15N/02E-22D01M	46.0	10-31-68	8.2	37.8	5050
		11-29-68	3.9	42.1	5050
		12-27-68	8.2	37.8	5050
		1-30-69	2.5	43.5	5050
		2-27-69	3.1	42.9	5050
		3-27-69	6.5	39.5	5050
		4-25-69	4.6	41.4	5050
		5-29-69	3.9	42.1	5050
		6-27-69	4.2	41.8	5050
15N/02E-24B01M	51.0	10-04-68	13.0	38.0	5102
		4-03-69	7.4	43.6	5102
15N/02E-25A01M	48.0	10-04-68	(1)		5102
		4-03-69	9.6	38.4	5102
15N/02E-28D02M	40.0	10-04-68	5.4	34.6	5102
		4-03-69	6.8	33.2	5102
15N/02E-35D01M	42.5	10-04-68	5.2	37.3	5102
		4-03-69	4.2	38.3	5102
15N/02E-36A01M	44.5	10-04-68	8.3	36.2	5102
		4-03-69	5.2	39.3	5102
15N/03E-05D02M	59.6	10-04-68	19.4	40.2	5102
		4-01-69	8.7	50.9	5102
15N/03E-10G01M	61.0	10-04-68	33.9	27.1	5102
		4-01-69	21.8	39.2	5102
15N/03E-15H04M	59.0	10-04-68	32.4	26.6	5102
		4-01-69	23.0	36.0	5102
15N/03E-17B02M	55.0	10-15-68	32.2	22.8	5050
		3-21-69	20.5	34.5	5050
15N/03E-20R01M	52.7	10-04-68	34.5	18.2	5102
		4-03-69	23.2	29.5	5102
15N/03E-21H02M	51.0	10-04-68	41.8	9.2	5102
		10-31-68	37.0	14.0	5050
		11-29-68	35.5	15.5	5050
		12-26-68	34.3	16.7	5050
		1-29-69	32.5	18.5	5050
		2-27-69	30.4	20.6	5050
		3-26-69	28.9	22.1	5050
		4-03-69	26.4	24.6	5102
		4-24-69	25.7	25.3	5050
		5-29-69	29.1	21.9	5050
		6-27-69	33.6	17.4	5050
15N/03E-26M01M	51.2	10-04-68	31.6	19.6	5102
		4-03-69	19.6	31.6	5102
15N/03E-33N04M	48.0	10-04-68	38.8	9.2	5102
		4-03-69	23.2	24.8	5102
15N/03E-34L01M	52.0	10-04-68	38.6	13.4	5102
		4-03-69	27.4	24.6	5102
15N/01W-25A01M	50.0	10-03-68	14.9	35.1	5102
		4-01-69	6.3	43.7	5102
SUTTER COUNTY 5-21.05 (Continued)					
16N/01E-08C01M	58.0	10-03-68	15.0	43.0	5102
		4-01-69	7.3	50.7	5102
16N/01E-18K01M	78.0	10-03-68	42.0	36.0	5102
		4-01-69	15.8	62.2	5102
16N/01E-31H01M	71.0	10-03-68	33.6	37.4	5102
		4-01-69	25.0	46.0	5102
16N/02E-02Q01M	71.0	10-04-68	6.1	64.9	5102
		4-01-69	4.3	66.7	5102
16N/02E-26Q01M	67.0	10-04-68	14.4	52.6	5102
		4-01-69	11.5	55.5	5102
16N/03E-07D02M	73.0	10-04-68	12.2	60.8	5102
		4-01-69	6.6	66.4	5102
16N/03E-21D01M	69.5	10-04-68	10.4	59.1	5102
		4-01-69	6.6	62.9	5102
16N/03E-21D02M	70.0	10-30-68	10.3	59.7	5050
		11-27-68	10.5	59.5	5050
		12-26-68	10.4	59.6	5050
		1-29-69	5.3	64.7	5050
		2-26-69	3.3	66.7	5050
		3-26-69	4.6	65.4	5050
		4-24-69	5.7	64.3	5050
		5-28-69	6.6	63.4	5050
		6-26-69	7.5	62.5	5050
16N/03E-33J02M	65.4	10-04-68	29.2	36.2	5102
		4-01-69	19.3	46.1	5102
17N/01E-25J01M	75.5	10-03-68	38.7	36.8	5102
		4-01-69	20.8	54.7	5102
17N/01E-33G01M	68.0	10-03-68	19.5	48.5	5102
		4-01-69	15.5	52.5	5102
17N/02E-31A01M	86.0	10-03-68	44.8	41.2	5102
		4-01-69	26.4	59.6	5102
17N/02E-34A01M	74.6	10-04-68	4.3	70.3	5102
		10-30-68	4.5	70.1	5050
		11-27-68	5.0	69.6	5050
		12-26-68	3.6	71.0	5050
		1-29-69	3.3	71.3	5050
		2-26-69	3.1	71.5	5050
		3-26-69	5.5	69.1	5050
		4-01-69	5.7	68.9	5102
		4-24-69	4.8	69.8	5050
		5-28-69	2.8	71.8	5050
		6-26-69	2.9	71.7	5050
17N/03E-30N01M	77.8	10-04-68	9.6	68.2	5102
		4-01-69	5.7	72.1	5102
17N/03E-33P01M	77.0	10-04-68	13.9	63.1	5102
		4-01-69	8.0	69.0	5102
YUBA COUNTY 5-21.06					
13N/04E-01Q01M	62.0	10-09-68	52.0	10.0	5103
		3-25-69	35.2	26.8	5103
13N/04E-02C01M	65.0	10-09-68	72.8	-7.8	5103
		3-25-69	51.8	13.2	5103
13N/04E-04H01M	56.0	10-09-68	(1)		5103
		10-24-68	52.1	3.9	5050
		3-25-69	40.4	15.6	5103
13N/04E-07E01M	38.7	10-09-68	15.2	23.5	5103
		3-25-69	6.2	32.5	5103
13N/04E-09R01M	49.0	10-09-68	(1)		5103
		10-25-68	37.9	11.1	5050
		3-25-69	28.9	20.1	5103
13N/04E-17P01M	41.1	10-09-68	18.8	22.3	5103
		3-25-69	5.6	35.5	5103
13N/04E-20B02M	41.3	10-30-68	18.1	23.2	5050
		11-27-68	17.7	23.6	5050
		12-26-68	17.0	24.3	5050
		1-29-69	9.8	31.5	5050
		2-26-69	3.5	37.8	5050
		3-26-69	4.4	36.9	5050
		4-24-69	6.2	35.1	5050
		5-28-69	10.5	30.8	5050
		6-26-69	13.3	28.0	5050
13N/05E-04J01M	83.0	10-09-68	31.1	51.9	5103
		3-28-69	20.3	62.7	5103
13N/05E-06E01M	62.8	10-08-68	55.0	7.8	5103
		3-28-69	37.2	25.6	5103
13N/05E-08B01M	76.1	10-09-68	28.2	47.9	5103
		3-28-69	19.4	56.7	5103
14N/03E-12F01M	52.0	10-09-68	30.4	21.6	5103
		3-25-69	17.6	34.4	5103
14N/03E-24B01M	48.2	10-09-68	39.2	9.0	5103
		3-25-69	25.5	22.7	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-25C02M	48.0	10-09-68	30.5	17.5	5103
		3-25-69	18.4	29.6	5103
14N/03E-36C02M	50.0	10-09-68	21.8	28.2	5103
		3-25-69	14.8	35.2	5103
14N/04E-05J02M	62.0	10-10-68	64.5	-2.5	5103
		3-31-69	53.0	9.0	5103
14N/04E-07A03M	52.0	10-09-68	DRY		5103
		3-25-69	40.6	11.4	5103
14N/04E-11N01M	71.5	10-10-68	96.8	-25.3	5103
		4-01-69	84.6	-13.1	5103
14N/04E-13C01M	73.1	10-10-68	99.0	-25.9	5103
		3-31-69	81.0	-7.9	5103
14N/04E-15C05M	64.0	10-09-68	70.4	-6.4	5103
		10-30-68	69.5	-5.5	5050
		11-27-68	68.7	-4.7	5050
		12-26-68	67.7	-3.7	5050
		1-29-69	65.0	-1.0	5050
		2-26-69	62.1	1.9	5050
		3-26-69	60.4	3.6	5050
		4-01-69	(8)		5103
		4-24-69	60.2	3.8	5050
		5-28-69	64.0	0.0	5050
		6-26-69	65.7	-1.7	5050
14N/04E-18C01M	51.5	10-09-68	52.5	-1.0	5103
		3-25-69	32.6	18.9	5103
14N/04E-20H01M	42.0	10-09-68	45.5	-3.5	5103
		3-25-69	26.0	16.0	5103
14N/04E-22M01M	61.2	10-09-68	63.5	-2.3	5103
14N/04E-23A01M	71.0	10-09-68	91.6	-20.6	5103
		4-01-69	80.5	-9.5	5103
14N/04E-24P01M	69.0	10-09-68	(1)		5103
		10-25-68	91.6	-22.6	5050
		4-01-69	81.0	-12.0	5103
14N/04E-28R01M	58.7	10-08-68	57.1	1.6	5103
		3-25-69	49.4	9.3	5103
14N/04E-30F01M	44.0	10-09-68	(1)		5103
		3-29-69	21.0	23.0	5103
14N/04E-30K01M	45.0	10-09-68	(1)		5103
		3-25-69	20.2	24.8	5103
14N/04E-30N01M	45.0	10-30-68	26.3	18.7	5050
		11-27-68	25.8	19.2	5050
		12-26-68	24.9	20.1	5050
		1-29-69	20.5	24.5	5050
		2-26-69	17.8	27.2	5050
		3-26-69	17.6	27.4	5050
		4-24-69	18.9	26.1	5050
		5-28-69	31.6	13.4	5050
		6-26-69	31.1	13.9	5050
14N/04E-32M01M	49.0	10-09-68	29.5	19.5	5103
		3-25-69	21.8	27.2	5103
14N/04E-35N01M	62.0	10-09-68	(1)		5103
		3-25-69	57.0	5.0	5103
14N/04E-36G01M	68.8	10-09-68	80.1	-11.3	5103
		3-28-69	69.0	-0.2	5103
14N/05E-05A01M	89.2	10-10-68	(3)		5103
		10-25-68	104.3	-15.1	5050
		4-01-69	95.8	-6.6	5103
14N/05E-06B01M	77.8	10-10-68	98.5	-20.7	5103
		4-01-69	86.4	-8.6	5103
14N/05E-08R01M	88.9	10-10-68	(3)		5103
		10-25-68	112.4	-23.5	5050
		3-31-69	92.5	-3.6	5103
14N/05E-12N01M	121.0	10-14-68	7.8	113.2	5050
		3-20-69	6.5	114.5	5050
14N/05E-13C01M	121.0	10-14-68	28.2	92.8	5050
		3-20-69	20.9	100.1	5050
14N/05E-15C01M	106.0	10-14-68	111.9	-5.9	5050
		3-20-69	96.6	9.4	5050
14N/05E-16C02M	98.0	10-10-68	118.5	-20.5	5103
		3-31-69	93.9	4.1	5103
14N/05E-18A01M	86.2	10-10-68	114.4	-28.2	5103
		3-31-69	96.5	-10.3	5103
14N/05E-20D02M	86.0	10-10-68	110.7	-24.7	5103
		3-31-69	92.3	-6.3	5103
14N/05E-21R02M	92.5	10-10-68	DRY		5103
		10-25-68	107.1	-14.6	5050
		3-31-69	86.5	6.0	5103
14N/05E-26F01M	125.0	10-14-68	95.0	30.0	5050
		3-20-69	91.0	34.0	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
YUBA COUNTY 5-21.06 (Continued)					
14N/05E-27L02M	92.0	10-10-68	86.5	5.5	5103
		3-31-69	71.6	20.4	5103
14N/05E-30Q01M	77.2	10-09-68	88.1	-10.9	5103
		10-30-68	83.3	-6.1	5050
		11-27-68	80.1	-2.9	5050
		12-30-68	78.0	-0.8	5050
		1-29-69	75.8	1.4	5050
		2-28-69	73.0	4.2	5050
		3-26-69	71.0	6.2	5050
		3-28-69	71.2	6.0	5103
		4-24-69	72.6	4.6	5050
		5-28-69	88.1	-10.9	5050
		6-26-69	89.1	-11.9	5050
		7-30-69	93.0	-15.8	5050
		8-28-69	95.4	-18.2	5050
		9-28-69	88.5	-11.3	5050
14N/05E-32R02M	74.0	10-10-68	60.1	13.9	5103
		3-28-69	43.6	30.4	5103
14N/05E-34G01M	108.0	10-14-68	77.4	30.6	5050
		3-20-69	66.0	42.0	5050
15N/03E-01D05M	66.0	10-30-68	24.2	41.8	5050
		11-27-68	22.1	43.9	5050
		12-26-68	20.6	45.4	5050
		1-29-69	13.4	52.6	5050
		2-26-69	10.0	56.0	5050
		3-26-69	9.6	56.4	5050
		4-24-69	10.4	55.6	5050
		5-28-69	18.9	47.1	5050
		6-26-69	21.7	44.3	5050
15N/03E-11C02M	60.0	10-10-68	25.4	34.6	5103
		3-31-69	15.3	44.7	5103
15N/03E-13F01M	56.0	10-14-68	23.6	32.4	5050
		3-21-69	11.6	44.4	5050
15N/03E-25J01M	57.0	10-09-68	24.8	32.2	5103
		3-25-69	13.5	43.5	5103
15N/04E-04R01M	85.4	10-10-68	37.9	47.5	5103
		3-31-69	30.2	55.2	5103
15N/04E-07H01M	70.0	10-10-68	18.7	51.3	5103
		3-31-69	14.0	56.0	5103
15N/04E-13A01M	89.0	10-15-68	64.6	24.4	5050
		3-21-69	51.6	37.4	5050
15N/04E-15A01M	78.5	10-10-68	41.1	37.4	5103
		3-31-69	28.4	50.1	5103
15N/04E-15R01M	81.0	10-10-68	59.7	21.3	5103
		3-31-69	44.3	36.7	5103
15N/04E-16P01M	76.3	10-10-68	43.2	33.1	5103
		3-31-69	35.5	40.8	5103
15N/04E-20E01M	71.0	10-10-68	31.9	39.1	5103
		3-31-69	27.7	43.3	5103
15N/04E-22P01M	72.0	10-10-68	59.3	12.7	5103
		3-31-69	51.1	20.9	5103
15N/04E-23A01M	83.0	10-10-68	72.4	10.6	5103
		3-31-69	58.1	24.9	5103
15N/04E-24A01M	86.3	10-14-68	89.6	-3.3	5050
		3-20-69	80.0	6.3	5050
15N/04E-24B01M	85.0	10-14-68	89.2	-4.2	5050
		3-20-69	78.8	6.2	5050
15N/04E-24H01M	80.0	10-14-68	92.8	-12.8	5050
		3-20-69	83.6	-3.6	5050
15N/04E-24M01M	79.0	10-15-68	76.1	2.9	5050
		3-21-69	71.8	7.2	5050
15N/04E-25L02M	78.0	10-10-68	(8)		5103
		3-31-69	84.4	-6.4	5103
15N/04E-26C01M	75.0	10-10-68	80.3	-5.3	5103
		3-31-69	71.5	3.5	5103
15N/04E-27A01M	81.0	10-10-68	74.1	6.9	5103
		3-31-69	67.5	13.5	5103
15N/04E-27J01M	71.0	10-15-68	70.3	0.7	5050
		3-21-69	66.8	4.2	5050
15N/04E-28D01M	77.1	10-10-68	68.0	9.1	5103
		3-31-69	56.4	20.7	5103
15N/04E-32D01M	64.0	10-10-68	54.9	9.1	5103
		10-30-68	50.9	13.1	5050
		11-27-68	49.2	14.8	5050
		12-26-68	47.4	16.6	5050
		1-29-69	45.9	18.1	5050
		2-26-69	43.7	20.3	5050
		3-26-69	42.4	21.6	5050
		3-31-69	43.0	21.0	5103
		4-24-69	42.8	21.2	5050
		5-28-69	49.5	14.5	5050
		6-26-69	54.2	9.8	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
YUBA COUNTY 5-21.06 (Continued)					
15N/04E-33D01M	70.0	10-10-68	65.2	4.8	5103
		4-01-69	56.2	13.8	5103
15N/04E-34E01M	65.0	10-15-68	67.0	-2.0	5050
		3-20-69	57.8	7.2	5050
15N/04E-35P01M	68.0	10-10-68	75.3	-7.3	5103
		4-01-69	71.0	-3.0	5103
15N/05E-06R01M	105.0	10-15-68	27.6	77.4	5050
		3-20-69	16.0	89.0	5050
15N/05E-19N01M	80.0	10-14-68	98.8	-18.8	5050
		3-20-69	90.6	-10.6	5050
15N/05E-29C01M	91.0	10-14-68	105.1	-14.1	5050
		3-20-69	97.2	-6.2	5050
15N/05E-30B01M	88.0	10-30-68	97.4	-9.4	5050
		11-27-68	96.3	-8.3	5050
		12-26-68	94.4	-6.4	5050
		1-29-69	94.2	-6.2	5050
		2-26-69	94.6	-6.6	5050
		3-26-69	92.5	-4.5	5050
		4-24-69	91.5	-3.5	5050
		5-28-69	99.8	-11.8	5050
		6-26-69	105.3	-17.3	5050
15N/05E-32G01M	90.0	10-14-68	103.6	-13.6	5050
		3-20-69	97.4	-7.4	5050
15N/05E-33G01M	108.0	10-14-68	103.0	5.0	5050
		3-20-69	102.6	5.4	5050
16N/03E-01P02M	78.0	10-11-68	28.5	49.5	5103
		10-30-68	27.2	50.8	5050
		11-27-68	26.3	51.7	5050
		12-26-68	25.4	52.6	5050
		1-29-69	21.3	56.7	5050
		2-26-69	14.8	63.2	5050
		3-26-69	13.3	64.7	5050
		3-31-69	13.3	64.7	5103
		4-24-69	13.8	64.2	5050
		5-28-69	18.4	59.6	5050
		6-26-69	23.0	55.0	5050
16N/03E-14B02M	73.2	10-11-68	22.8	50.4	5103
		3-31-69	9.6	63.6	5103
16N/03E-24A01M	69.0	10-11-68	21.2	47.8	5103
		3-31-69	9.7	59.3	5103
16N/03E-26F01M	69.6	10-11-68	(3)		5103
		3-31-69	12.9	56.7	5103
16N/03E-36G01M	63.5	10-18-68	17.3	46.2	5103
		3-31-69	7.6	55.9	5103
16N/04E-08A01M	91.0	10-11-68	39.6	51.4	5103
		3-31-69	28.4	62.6	5103
16N/04E-16A01M	94.2	10-11-68	(2)		5103
		3-31-69	(2)		5103
16N/04E-17R01M	81.0	10-30-68	12.0	69.0	5050
		11-27-68	11.6	69.4	5050
		12-26-68	10.8	70.2	5050
		1-29-69	10.1	70.9	5050
		2-26-69	9.2	71.8	5050
		3-26-69	9.4	71.6	5050
		4-24-69	10.7	70.3	5050
		5-28-69	9.8	71.2	5050
		6-26-69	14.2	66.8	5050
16N/04E-27P02M	86.0	10-11-68	7.5	78.5	5103
		3-31-69	8.9	77.1	5103
16N/04E-28E01M	80.2	10-11-68	8.5	71.7	5103
		3-31-69	7.7	72.5	5103
16N/04E-33N01M	79.6	10-11-68	10.5	69.1	5103
		3-31-69	10.9	68.7	5103
16N/04E-34Q01M	94.6	10-11-68	15.2	79.4	5103
		3-31-69	16.8	77.8	5103
17N/03E-22R01M	85.5	10-11-68	28.4	57.1	5103
		3-31-69	17.0	68.5	5103
17N/03E-26A02M	86.6	10-11-68	27.7	58.9	5103
		3-31-69	15.7	70.9	5103
17N/03E-35H02M	82.0	10-11-68	31.4	50.6	5103
		3-31-69	17.2	64.8	5103
17N/04E-27F01M	106.0	10-11-68	54.8	51.2	5103
		3-31-69	41.5	64.5	5103
17N/04E-30R01M	89.0	10-11-68	34.4	54.6	5103
		3-31-69	21.7	67.3	5103
17N/04E-33Q01M	105.0	10-11-68	59.3	45.7	5103
		3-31-69	44.8	60.2	5103
17N/04E-35C01M	121.7	10-11-68	58.5	63.2	5103
		3-31-69	51.1	70.6	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	10-01-68	77.1	-4.9	5107
		3-29-69	70.4	1.8	5107
10N/05E-05E01M	55.0	10-01-68	78.4	-23.4	5107
		3-29-69	67.7	-12.7	5107
10N/05E-08L02M	51.5	10-01-68	63.5	-12.0	5107
		3-29-69	60.3	-8.8	5107
10N/05E-10J03M	87.0	10-01-68	95.3	-8.3	5107
		3-29-69	81.0	6.0	5107
10N/05E-12D01M	105.0	10-01-68	92.2	12.8	5107
		3-29-69	90.9	14.1	5107
10N/06E-03M01M	136.0	10-01-68	115.0	21.0	5107
		3-29-69	109.9	26.1	5107
10N/06E-05H01M	141.0	10-01-68	118.2	22.8	5107
		10-30-68	116.7	24.3	5050
		11-27-68	115.0	26.0	5050
		12-26-68	114.9	26.1	5050
		1-29-69	114.7	26.3	5050
		2-26-69	114.2	26.8	5050
		3-26-69	113.9	27.1	5050
		3-28-69	113.9	27.1	5107
		4-24-69	114.2	26.8	5050
		5-28-69	116.7	24.3	5050
		6-26-69	118.0	23.0	5050
		7-29-69	120.7	20.3	5050
		8-27-69	122.3	18.7	5050
		9-29-69	119.9	21.1	5050
10N/06E-05L01M	134.0	10-07-68	116.0	18.0	5107
		3-29-69	111.6	22.4	5107
10N/06E-07L01M	94.0	10-01-68	80.4	13.6	5107
		3-29-69	62.9	31.1	5107
10N/06E-09D01M	142.0	10-01-68	(3)		5107
		3-29-69	(3)		5107
10N/06E-10C01M	146.4	10-01-68	(8)		5107
		3-29-69	111.9	34.5	5107
10N/06E-12D01M	145.0	10-01-68	(6)		5107
10N/06E-13C01M	188.7	10-01-68	158.0	30.7	5107
		3-29-69	153.8	34.9	5107
10N/06E-17A01M	140.0	10-01-68	123.4	16.6	5107
		3-29-69	112.3	27.7	5107
10N/07E-07E02M	160.5	10-01-68	122.7	37.8	5107
		3-29-69	112.8	47.7	5107
10N/07E-18J01M	195.0	10-01-68	(8)		5107
		3-29-69	(8)		5107
11N/05E-01N01M	106.3	10-30-68	(5)		5050
11N/05E-03M03M	89.3	10-01-68	82.1	7.2	5107
		10-30-68	80.3	9.0	5050
		11-27-68	79.3	10.0	5050
		12-26-68	78.3	11.0	5050
		1-29-69	78.2	11.1	5050
		2-26-69	77.2	12.1	5050
		3-26-69	76.4	12.9	5050
		3-28-69	76.5	12.8	5107
		4-24-69	77.1	12.2	5050
		5-28-69	78.4	10.9	5050
		6-26-69	79.2	10.1	5050
		7-29-69	79.8	9.5	5050
		8-28-69	80.5	8.8	5050
		9-30-69	79.5	9.8	5050
11N/05E-06H01M	59.0	10-01-68	(1)		5107
		10-24-68	50.9	8.1	5050
		3-28-69	45.4	13.6	5107
11N/05E-07H01M	63.0	10-01-68	68.3	-5.3	5107
		3-28-69	55.9	7.1	5107
11N/05E-15G01M	74.7	10-02-68	67.8	6.9	5107
		3-28-69	60.0	14.7	5107
11N/05E-16N01M	88.0	10-02-68	83.4	4.6	5107
		3-28-69	79.0	9.0	5107
11N/05E-17A04M	72.0	10-01-68	75.8	-3.8	5107
		3-28-69	64.5	7.5	5107
11N/05E-18R01M	61.0	10-01-68	74.8	-13.8	5401
		3-28-69	61.5	-0.5	5401
11N/05E-20C01M	63.0	10-01-68	(1)		5107
		3-28-69	66.0	-3.0	5107
11N/05E-24J01M	106.0	10-14-68	86.3	19.7	5050
		3-20-69	83.2	22.8	5050
11N/05E-28C01M	70.0	10-01-68	74.7	-4.7	5107
		3-29-69	67.8	2.2	5107
11N/05E-29G02M	64.0	10-01-68	80.5	-16.5	5107
		3-29-69	64.7	-0.7	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-31D03M	52.0	10-01-68	DRY		5107
		3-29-69	DRY		5107
11N/05E-32R01M	70.0	10-01-68	81.7	-11.7	5107
		10-30-68	79.0	-9.0	5050
		11-27-68	77.8	-7.8	5050
		12-26-68	76.6	-6.6	5050
		1-29-69	76.0	-6.0	5050
		2-26-69	75.1	-5.1	5050
		3-26-69	74.6	-4.6	5050
		3-29-69	74.6	-4.6	5107
		4-24-69	74.8	-4.8	5050
		5-28-69	80.4	-10.4	5050
		6-25-69	81.0	-11.0	5050
		7-29-69	82.0	-12.0	5050
		8-27-69	83.9	-13.9	5050
		9-29-69	82.0	-12.0	5050
11N/05E-34R03M	97.0	10-01-68	(1)		5107
		10-31-68	91.2	5.8	5050
		3-29-69	84.2	12.8	5107
11N/06E-06B01M	130.2	10-01-68	100.7	29.5	5107
		3-29-69	97.8	32.4	5107
11N/06E-10P01M	125.0	10-01-68	47.2	77.8	5107
		3-29-69	(9)		5107
11N/06E-11R01M	162.0	10-01-68	18.3	143.7	5107
		3-29-69	16.1	145.9	5107
11N/06E-15C04M	116.0	10-01-68	68.2	47.8	5107
		3-29-69	64.4	51.6	5107
11N/06E-17J02M	109.0	10-01-68	(8)		5107
		3-29-69	(8)		5107
11N/06E-18P05M	85.0	10-02-68	61.3	23.7	5107
		3-28-69	(7)		5107
11N/06E-28N01M	148.0	10-01-68	DRY		5107
		3-29-69	119.5	28.5	5107
11N/06E-30F02M	105.0	10-14-68	95.0	10.0	5050
		3-20-69	93.1	11.9	5050
11N/06E-32F03M	125.8	10-01-68	106.8	19.0	5107
		3-29-69	(7)		5107
11N/06E-34D01M	161.5	10-01-68	129.6	31.9	5107
		3-29-69	123.9	37.6	5107
12N/05E-01D02M	97.8	10-02-68	41.3	56.5	5107
		3-28-69	30.8	67.0	5107
12N/05E-01R01M	112.5	10-02-68	54.8	57.7	5107
		4-04-69	40.1	72.4	5107
12N/05E-04F01M	77.0	10-02-68	54.0	23.0	5107
		3-28-69	42.7	34.3	5107
12N/05E-06J03M	62.0	10-14-68	27.7	34.3	5050
		3-20-69	18.2	43.8	5050
12N/05E-06R01M	69.0	10-02-68	41.4	27.6	5107
		3-28-69	31.5	37.5	5107
12N/05E-07H01M	68.5	10-02-68	43.0	25.5	5107
		3-28-69	33.5	35.0	5107
12N/05E-12Q01M	106.0	10-02-68	65.0	41.0	5107
		10-30-68	60.7	45.3	5050
		11-27-68	57.4	48.6	5050
		12-26-68	55.2	50.8	5050
		1-29-69	54.0	52.0	5050
		2-26-69	52.5	53.5	5050
		3-26-69	51.6	54.4	5050
		4-04-69	51.7	54.3	5107
		4-24-69	64.4	41.6	5050
		5-28-69	60.9	45.1	5050
		6-26-69	62.7	43.3	5050
		7-28-69	66.1	39.9	5050
		8-27-69	68.1	37.9	5050
		9-30-69	61.5	44.5	5050
12N/05E-14N01M	100.6	10-02-68	70.4	30.2	5107
		4-04-69	(7)		5107
12N/05E-14R01M	103.4	10-02-68	73.8	29.6	5107
		4-04-69	68.1	35.3	5107
12N/05E-15A01M	89.0	10-02-68	73.1	15.9	5107
		4-04-69	66.0	23.0	5107
12N/05E-17A02M	75.0	10-02-68	63.2	11.8	5107
		4-04-69	54.7	20.3	5107
12N/05E-17D01M	66.5	10-02-68	51.4	15.1	5107
		10-30-68	47.7	18.8	5050
		11-27-68	47.6	18.9	5050
		12-26-68	45.2	21.3	5050
		1-29-69	44.2	22.3	5050
		2-26-69	42.6	23.9	5050
		3-26-69	41.6	24.9	5050
		4-04-69	41.1	25.4	5107
		4-24-69	41.2	25.3	5050
		5-28-69	41.2	25.3	5050
		6-26-69	41.6	24.9	5050
		7-28-69	43.7	22.8	5050
		8-27-69	39.8	26.7	5050
		9-30-69	38.3	28.2	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
PLACER COUNTY 5-21.07 (Continued)					
12N/05E-18R01M	66.0	10-02-68	58.6	7.4	5107
		3-28-69	40.7	25.3	5107
12N/05E-26D01M	90.0	10-02-68	73.1	16.9	5107
		4-04-69	64.9	25.1	5107
12N/05E-26H02M	91.0	10-02-68	64.3	26.7	5107
		4-04-69	61.8	29.2	5107
12N/05E-28C01M	77.0	10-02-68	64.6	12.4	5107
		4-04-69	(8)		5107
12N/05E-29D01M	64.0	10-02-68	46.7	17.3	5107
		3-28-69	39.9	24.1	5107
12N/05E-31A01M	59.0	10-02-68	44.7	14.3	5401
		3-28-69	39.6	19.4	5401
12N/05E-33C01M	67.0	10-02-68	58.7	8.3	5107
		3-29-69	53.1	13.9	5107
12N/05E-35E02M	90.2	10-02-68	(1)		5107
		3-29-69	73.0	17.2	5107
12N/06E-06A01M	123.5	10-01-68	(1)		5107
		10-24-68	43.2	80.3	5050
		3-25-69	34.4	89.1	5107
12N/06E-07M01M	109.7	10-02-68	61.8	47.9	5107
		4-04-69	50.7	59.0	5107
12N/06E-11E01M	175.0	10-01-68	27.5	147.5	5107
		3-25-69	43.2	131.8	5107
12N/06E-14F01M	180.0	10-03-68	17.3	162.7	5107
		3-25-69	11.0	169.0	5107
12N/06E-16D01M	132.9	10-01-68	63.3	69.6	5107
		4-04-69	64.0	68.9	5107
12N/06E-18L01M	112.5	10-02-68	50.7	61.8	5107
		4-04-69	45.6	66.9	5107
12N/06E-19P01M	114.0	10-02-68	(8)		5107
		10-24-68	74.5	39.5	5050
		3-20-69	67.2	46.8	5107
12N/06E-20P03M	129.0	10-02-68	106.2	22.8	5107
		4-04-69	89.9	39.1	5107
12N/06E-27D01M	139.7	10-01-68	107.4	32.3	5107
		4-04-69	106.0	33.7	5107
12N/06E-27D02M	139.0	10-30-68	107.9	31.1	5050
		11-27-68	108.1	30.9	5050
		12-26-68	107.7	31.3	5050
		1-29-69	107.5	31.5	5050
		2-26-69	106.8	32.2	5050
		3-26-69	106.2	32.8	5050
		4-24-69	105.7	33.3	5050
		5-28-69	105.0	34.0	5050
		6-26-69	104.4	34.6	5050
		7-28-69	103.9	35.1	5050
		8-27-69	103.4	35.6	5050
		9-29-69	102.9	36.1	5050
12N/06E-28M01M	128.5	10-02-68	(1)		5107
		4-04-69	(9)		5107
12N/06E-30L01M	108.3	10-02-68	(8)		5107
		3-29-69	(8)		5107
12N/06E-32K01M	117.0	10-01-68	(1)		5107
		10-24-68	86.7	30.3	5050
		3-29-69	83.0	34.0	5107
13N/05E-01K01M	126.0	10-01-68	36.8	89.2	5107
		3-25-69	35.8	90.2	5107
13N/05E-03J01M	95.0	10-01-68	27.9	67.1	5107
		3-25-69	19.2	75.8	5107
13N/05E-10B01M	88.6	10-01-68	28.7	59.9	5107
		10-30-68	26.5	62.1	5050
		11-27-68	25.9	62.7	5050
		12-26-68	25.3	63.3	5050
		1-29-69	23.0	65.6	5050
		2-26-69	18.4	70.2	5050
		3-26-69	17.2	71.4	5050
		3-28-69	17.1	71.5	5107
		4-24-69	18.7	69.9	5050
		5-28-69	23.6	65.0	5050
		6-26-69	28.5	60.1	5050
		7-28-69	32.0	56.6	5050
		8-27-69	29.7	58.9	5050
		9-29-69	26.4	62.2	5050
13N/05E-22C03M	80.0	10-01-68	27.4	52.6	5107
		3-28-69	19.0	61.0	5107
13N/05E-24E02M	92.0	10-01-68	39.5	52.5	5107
		3-28-69	29.3	62.7	5107
13N/05E-24J01M	101.3	10-01-68	43.8	57.5	5107
		3-25-69	39.1	62.2	5107
13N/05E-34P01M	87.0	10-02-68	49.1	37.9	5107
		3-28-69	36.0	51.0	5107
13N/05E-34R03M	90.0	10-02-68	48.0	42.0	5107
		3-28-69	33.7	56.3	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)					
13N/06E-06A01M	160.0	10-01-68	51.1	108.9	5107
		3-25-69	45.0	115.0	5107
13N/06E-09N02M	164.8	10-01-68	15.7	149.1	5107
		3-25-69	12.5	152.3	5107
13N/06E-19B01M	131.4	10-01-68	52.7	78.7	5107
		3-25-69	47.7	83.7	5107
13N/06E-30M01M	107.8	10-01-68	39.1	68.7	5107
		3-25-69	(7)		5107
13N/06E-33C01M	142.0	10-01-68	(1)		5107
		3-25-69	20.3	121.7	5107
13N/06E-33M01M	147.0	10-01-68	(1)		5107
		3-25-69	28.6	118.4	5107
13N/06E-33M02M	140.5	10-01-68	(1)		5107
		3-25-69	19.3	121.2	5107
SACRAMENTO COUNTY 5-21.08					
5N/05E-01D02M	25.0	10-08-68	64.4	-39.4	5001
		4-08-69	46.9	-21.9	5001
5N/05E-04C01M	13.0	10-28-68	55.5	-42.5	5050
		11-25-68	54.2	-41.2	5050
		12-23-68	52.5	-39.5	5050
		1-27-69	52.1	-39.1	5050
		2-24-69	49.6	-36.6	5050
		3-24-69	48.3	-35.3	5050
		4-22-69	48.8	-35.8	5050
		5-26-69	52.3	-39.3	5050
		6-24-69	54.6	-41.6	5050
		7-28-69	56.6	-43.6	5050
		8-27-69	59.0	-46.0	5050
		9-29-69	57.3	-44.3	5050
5N/05E-06B01M	7.5	10-10-68	33.4	-25.9	5050
		4-02-69	25.0	-17.5	5050
5N/05E-07G01M	8.0	10-08-68	13.2	-5.2	5001
		4-08-69	10.7	-2.7	5001
5N/05E-10Q01M	15.0	10-15-68	39.7	-24.7	4202
		3-13-69	32.8	-17.8	4202
5N/05E-11B02M	21.8	10-08-68	51.4	-29.6	5001
		4-07-69	32.1	-10.3	5001
5N/05E-11N01M	17.9	10-08-68	36.2	-18.3	5001
		4-07-69	24.3	-6.4	5001
5N/05E-12N01M	12.0	10-11-68	(3)		5050
		4-02-69	6.9	5.1	5050
5N/05E-12N02M	14.0	10-11-68	27.4	-13.4	5050
		4-02-69	5.9	8.1	5050
5N/05E-17A01M	9.6	10-08-68	18.4	-8.8	5001
		4-07-69	16.9	-7.3	5001
5N/05E-22B01M	12.0	10-08-68	17.2	-5.2	5001
		4-07-69	14.5	-2.5	5001
5N/05E-25C01M	17.0	10-07-68	(9)		5001
		4-07-69	15.7	1.3	5001
5N/05E-35E01M	10.0	10-07-68	4.8	5.2	5001
		4-07-69	3.0	7.0	5001
5N/06E-02C01M	50.0	10-15-68	83.8	-33.8	4202
		3-13-69	71.7	-21.7	4202
5N/06E-02M01M	51.0	10-09-68	DRY		5001
		4-09-69	72.9	-21.9	5001
5N/06E-02M02M	50.0	10-09-68	82.6	-32.6	5001
		4-09-69	72.0	-22.0	5001
5N/06E-04R02M	40.0	10-11-68	77.6	-37.6	5050
		4-02-69	58.8	-18.8	5050
5N/06E-06C01M	25.0	10-07-68	30.0	-5.0	5001
		5-13-69	20.0	5.0	5001
5N/06E-07Q02M	27.0	10-11-68	DRY		5050
		4-02-69	28.5	-1.5	5050
5N/06E-08F01M	30.0	10-11-68	48.0	-18.0	5050
		4-02-69	(9)		5050
5N/06E-09M02M	36.0	10-11-68	58.8	-22.8	5050
		4-02-69	56.7	-20.7	5050
5N/06E-10A01M	47.3	10-11-68	(1)		5050
		11-01-68	76.7	-29.4	5050
		4-02-69	70.9	-23.6	5050
5N/06E-10P01M	41.3	10-11-68	84.6	-43.3	5050
		3-31-69	75.7	-34.4	5050
5N/06E-12R01M	64.0	10-09-68	97.5	-33.5	5001
		4-09-69	70.1	-6.1	5001
5N/06E-13R01M	63.5	10-09-68	(1)		5001
		4-09-69	85.9	-22.4	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
SACRAMENTO COUNTY 5-21.08 (Continued)					
5N/06E-14D01M	52.0	10-15-68	89.1	-37.1	4202
		3-13-69	81.8	-29.8	4202
5N/06E-15C02M	45.0	10-11-68	DRY		5050
		4-02-69	78.0	-33.0	5050
5N/06E-15R02M	41.0	10-14-68	(1)		5001
		4-09-69	78.2	-37.2	5001
5N/06E-17J01M	32.5	10-07-68	(1)		5001
		4-07-69	62.8	-30.3	5001
5N/06E-19B01M	20.0	10-07-68	46.1	-26.1	5001
		4-07-69	32.2	-12.2	5001
5N/06E-21J03M	42.0	10-07-68	(4)		5001
		4-07-69	80.0	-38.0	5001
5N/06E-26D01M	51.3	10-10-68	89.2	-37.9	5050
		3-31-69	74.8	-23.5	5050
5N/06E-26H01M	55.0	10-09-68	(1)		5001
		4-09-69	70.9	-15.9	5001
5N/06E-26K01M	50.0	10-29-68	81.3	-31.3	5050
		11-26-68	76.0	-26.0	5050
		12-24-68	74.9	-24.9	5050
		1-28-69	72.8	-22.8	5050
		2-25-69	69.3	-19.3	5050
		3-24-69	66.5	-16.5	5050
		4-23-69	70.2	-20.2	5050
		5-27-69	(1)		5050
		6-25-69	(1)		5050
		7-28-69	(1)		5050
		8-27-69	(1)		5050
		9-29-69	84.6	-34.6	5050
5N/06E-27C01M	46.0	10-15-68	87.8	-41.8	4202
		3-13-69	77.5	-31.5	4202
5N/06E-29C01M	28.0	10-15-68	69.3	-41.3	4202
		3-13-69	58.2	-30.2	4202
5N/06E-29H01M	32.6	10-07-68	80.2	-47.6	5001
		4-07-69	58.9	-26.3	5001
5N/06E-30E01M	24.0	10-07-68	(1)		5001
		10-15-68	59.5	-35.5	4202
		3-15-69	42.5	-18.5	4202
		4-07-69	40.9	-16.9	5001
5N/06E-31E03M	20.0	10-07-68	43.9	-23.9	5001
		4-07-69	22.2	-2.2	5001
5N/06E-33H01M	38.5	10-07-68	71.7	-33.2	5001
		4-07-69	37.8	0.7	5001
5N/06E-33J01M	41.0	10-15-68	72.7	-31.7	4202
		3-13-69	47.0	-6.0	4202
5N/06E-35M02M	53.0	10-07-68	69.3	-16.3	5001
		4-07-69	33.2	19.8	5001
5N/07E-06A01M	65.0	10-11-68	86.2	-21.2	5050
		4-02-69	73.9	-8.9	5050
5N/07E-07E02M	60.0	10-09-68	103.0	-43.0	5001
		4-09-69	86.0	-26.0	5001
5N/07E-08Q01M	75.0	10-11-68	99.2	-24.2	5050
		4-02-69	85.5	-10.5	5050
5N/07E-09D01M	73.7	10-09-68	(3)		5001
		4-09-69	85.8	-12.1	5001
5N/07E-12E02M	127.0	10-09-68	131.2	-4.2	5001
		4-09-69	123.0	4.0	5001
5N/07E-14N01M	91.5	10-09-68	(1)		5001
		4-09-69	91.1	0.4	5001
5N/07E-20G01M	76.7	10-09-68	105.5	-28.8	5001
		4-09-69	88.5	-11.8	5001
5N/07E-23N01M	100.0	10-11-68	112.2	-12.2	5050
		4-02-69	96.3	3.7	5050
5N/07E-26J01M	91.0	10-09-68	(1)		5001
		4-09-69	83.4	7.6	5001
5N/07E-28A01M	86.0	10-11-68	108.3	-22.3	5050
		4-02-69	89.1	-3.1	5050
5N/07E-29K01M	71.0	10-09-68	86.9	-15.9	5001
		4-09-69	74.8	-3.8	5001
5N/07E-29K02M	71.0	10-09-68	98.2	-27.2	5001
		4-09-69	78.3	-7.3	5001
5N/07E-30A01M	73.0	10-15-68	97.9	-24.9	4202
		3-15-69	85.7	-12.7	4202
5N/08E-08N01M	173.0	10-09-68	151.3	21.7	5001
		4-09-69	142.7	30.3	5001
6N/04E-24A01M	10.0	10-10-68	32.4	-22.4	5050
		4-02-69	24.1	-14.1	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

SACRAMENTO COUNTY 5-21.08 (Continued)

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
6N/05E-01C01M	39.3	10-29-68	98.4	-59.1	5050
		11-26-68	97.5	-58.2	5050
		12-24-68	96.3	-57.0	5050
		1-28-69	95.4	-56.1	5050
		2-25-69	94.6	-55.3	5050
		3-25-69	93.6	-54.3	5050
		4-23-69	92.5	-53.2	5050
		5-27-69	94.7	-55.4	5050
		6-25-69	95.7	-56.4	5050
		7-28-69	98.0	-58.7	5050
		8-27-69	99.4	-60.1	5050
		9-29-69	99.6	-60.3	5050
6N/05E-01D01M	40.6	10-10-68	84.6	-44.0	5050
		3-31-69	77.0	-36.4	5050
6N/05E-04N01M	19.5	10-08-68	76.8	-57.3	5001
		4-08-69	64.5	-45.0	5001
6N/05E-10B01M	34.5	10-08-68	107.5	-73.0	5001
		4-08-69	94.5	-60.0	5001
6N/05E-10G01M	36.0	10-15-68	105.8	-69.8	4202
		3-15-69	96.8	-60.8	4202
6N/05E-12E01M	39.0	10-08-68	113.3	-74.3	5001
		4-08-69	94.6	-55.6	5001
6N/05E-14J01M	32.5	10-09-68	(1)		5001
		4-08-69	90.6	-58.1	5001
6N/05E-15B01M	26.4	10-08-68	101.6	-75.2	5001
		4-08-69	87.4	-61.0	5001
6N/05E-17F01M	16.0	10-08-68	62.9	-46.9	5001
		4-08-69	57.0	-41.0	5001
6N/05E-20A02M	16.3	10-08-68	(1)		5001
		4-08-69	66.6	-50.3	5001
6N/05E-22C02M	23.0	10-08-68	96.2	-73.2	5001
		4-08-69	83.0	-60.0	5001
6N/05E-25B01M	35.2	10-09-68	90.9	-55.7	5001
		4-08-69	74.5	-39.3	5001
6N/05E-28F01M	17.5	10-08-68	84.9	-67.4	5001
		4-08-69	67.8	-50.3	5001
6N/05E-31A01M	14.6	10-08-68	52.0	-37.4	5001
		4-08-69	35.5	-20.9	5001
6N/05E-32J01M	13.0	10-08-68	61.5	-48.5	5001
		4-08-69	48.5	-35.5	5001
6N/05E-34C02M	23.0	10-08-68	85.2	-62.2	5001
		4-08-69	72.0	-49.0	5001
6N/06E-01G01M	76.5	10-11-68	70.0	6.5	5001
		4-10-69	59.7	16.8	5001
6N/06E-05J01M	54.5	10-10-68	(3)		5001
		4-10-69	(0)		5001
6N/06E-05J02M	55.0	10-08-68	82.7	-27.7	5001
		4-10-69	73.9	-18.9	5001
6N/06E-07A01M	50.0	10-15-68	98.5	-48.5	4202
		3-15-69	85.7	-35.7	4202
6N/06E-07M01M	42.0	10-14-68	104.9	-62.9	5001
		4-10-69	92.4	-50.4	5001
6N/06E-08M01M	50.5	10-10-68	98.3	-47.8	5001
		4-10-69	84.2	-33.7	5001
6N/06E-11J03M	65.0	10-11-68	65.5	-0.5	5001
		4-10-69	55.5	9.5	5001
6N/06E-13R01M	62.0	10-11-68	73.1	-11.1	5001
		4-10-69	64.7	-2.7	5001
6N/06E-16E01M	50.5	10-10-68	62.9	-12.4	5001
		4-10-69	41.9	8.6	5001
6N/06E-18F01M	43.5	10-09-68	97.7	-54.2	5001
		4-08-69	86.2	-42.7	5001
6N/06E-18G01M	44.9	10-10-68	80.4	-35.5	5050
		3-31-69	67.4	-22.5	5050
6N/06E-20D01M	45.0	10-09-68	(4)		5001
		4-08-69	(4)		5001
6N/06E-20P01M	39.0	10-09-68	(1)		5001
		4-08-69	36.0	3.0	5001
6N/06E-22C01M	50.0	10-11-68	52.9	-2.9	5050
		4-02-69	41.7	8.3	5050
6N/06E-23C01M	52.0	10-11-68	64.7	-12.7	5001
		4-09-69	58.9	-6.9	5001
6N/06E-24G01M	56.0	10-11-68	68.9	-12.9	5001
		4-10-69	62.4	-6.4	5001
6N/06E-25Q01M	60.0	10-14-68	77.7	-17.7	5001
		4-09-69	69.3	-9.3	5001

SACRAMENTO COUNTY 5-21.08 (Continued)

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
6N/06E-26D02M	47.0	10-11-68	53.9	-6.9	5050
		4-02-69	50.7	-3.7	5050
6N/06E-28C02M	40.0	10-11-68	(1)		5050
		11-01-68	54.4	-14.4	5050
		4-02-69	39.1	0.9	5050
6N/06E-29K01M	33.0	10-11-68	50.1	-17.1	5050
		4-02-69	30.6	2.4	5050
6N/06E-30N01M	32.0	10-09-68	63.6	-31.6	5001
		4-08-69	48.9	-16.9	5001
6N/06E-33J02M	45.8	10-29-68	59.6	-13.8	5050
		11-26-68	58.9	-13.1	5050
		12-24-68	58.6	-12.8	5050
		1-28-69	58.0	-12.2	5050
		2-25-69	57.2	-11.4	5050
		3-24-69	56.3	-10.5	5050
		4-23-69	57.3	-11.5	5050
		5-27-69	61.6	-15.8	5050
		6-25-69	62.6	-16.8	5050
		7-28-69	64.2	-18.4	5050
		8-27-69	65.0	-19.2	5050
		9-29-69	65.5	-19.7	5050
6N/06E-33L01M	35.6	10-10-68	67.5	-31.9	5050
		3-31-69	44.7	-9.1	5050
6N/06E-33Q01M	35.7	10-09-68	(3)		5001
		4-09-69	47.8	-12.1	5001
6N/06E-34P01M	46.9	10-09-68	(1)		5001
		4-09-69	62.3	-15.4	5001
6N/07E-04G01M	107.5	10-14-68	101.8	5.7	5001
		4-10-69	93.5	14.0	5001
6N/07E-06N01M	78.7	10-11-68	(1)		5001
		4-10-69	66.9	11.8	5001
6N/07E-08R01M	105.0	10-11-68	108.4	-3.4	5050
		4-02-69	102.1	2.9	5050
6N/07E-11A02M	116.0	10-14-68	97.6	18.4	5001
		4-10-69	96.1	19.9	5001
6N/07E-14A01M	110.0	10-14-68	101.6	8.4	5001
		4-10-69	95.3	14.7	5001
6N/07E-15K01M	107.0	10-14-68	105.8	1.2	5001
		4-09-69	105.5	1.5	5001
6N/07E-19A01M	71.0	10-11-68	(1)		5050
		4-02-69	(1)		5050
6N/07E-20P03M	77.0	10-14-68	92.7	-15.7	5001
		4-09-69	85.0	-8.0	5001
6N/07E-25P02M	98.5	10-14-68	99.9	-1.4	5001
		4-10-69	94.5	4.0	5001
6N/07E-28E01M	74.5	10-14-68	84.5	-10.0	5001
		10-29-68	84.8	-10.3	5050
		11-26-68	81.4	-6.9	5050
		12-24-68	80.2	-5.7	5050
		1-28-69	78.8	-4.3	5050
		2-25-69	77.8	-3.3	5050
		3-25-69	77.2	-2.7	5050
		4-09-69	79.6	-5.1	5001
		4-23-69	79.7	-5.2	5050
		5-27-69	84.7	-10.2	5050
		6-25-69	87.1	-12.6	5050
		7-28-69	89.8	-15.3	5050
		8-27-69	89.3	-14.8	5050
		9-29-69	89.2	-14.7	5050
6N/07E-32P01M	69.0	10-11-68	86.2	-17.2	5050
		4-02-69	75.0	-6.0	5050
6N/07E-34H01M	86.0	10-11-68	89.5	-3.5	5050
		4-02-69	84.3	1.7	5050
6N/08E-15J01M	214.0	10-24-68	125.8	88.2	5108
		3-27-69	126.2	87.8	5108
6N/08E-21P02M	155.0	10-11-68	126.1	28.9	5050
		4-02-69	126.9	28.1	5050
6N/08E-30B01M	134.3	10-11-68	(1)		5050
		11-01-68	118.0	16.3	5050
		4-02-69	115.0	19.3	5050
7N/04E-11K01M	17.3	10-08-68	9.9	7.4	5108
		3-24-69	7.1	10.2	5108
7N/05E-01H02M	45.0	10-29-68	85.0	-40.0	5050
		11-26-68	84.4	-39.4	5050
		12-24-68	84.5	-39.5	5050
		1-28-69	83.1	-38.1	5050
		2-25-69	82.2	-37.2	5050
		3-25-69	82.3	-37.3	5050
		4-23-69	82.3	-37.3	5050
		5-27-69	83.2	-38.2	5050
		6-25-69	84.0	-39.0	5050
		7-28-69	85.1	-40.1	5050
		8-27-69	85.9	-40.9	5050
		9-29-69	86.3	-41.3	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)					
7N/05E-01J01M	44.0	10-15-68	88.2	-44.2	4202
		3-15-69	85.5	-41.5	4202
7N/05E-04Q01M	21.4	10-11-68	61.5	-40.1	5050
		3-31-69	57.8	-36.4	5050
7N/05E-05K02M	16.0	10-15-68	51.1	-35.1	4202
		3-14-69	46.2	-30.2	4202
7N/05E-10F01M	27.0	10-08-68	70.6	-43.6	5001
		4-07-69	69.5	-42.5	5001
7N/05E-10M01M	26.5	10-11-68	69.5	-43.0	5050
		3-31-69	66.7	-40.2	5050
7N/05E-12R02M	42.5	10-08-68	89.7	-47.2	5108
		3-25-69	86.9	-44.4	5108
7N/05E-15H01M	28.0	10-08-68	79.3	-51.3	5108
		3-25-69	75.5	-47.5	5108
7N/05E-18C01M	12.0	10-08-68	32.7	-20.7	5108
		3-24-69	21.8	-9.8	5108
7N/05E-24H01M	39.0	10-15-68	91.6	-52.6	4202
		3-14-69	83.3	-44.3	4202
7N/05E-26C01M	28.6	10-11-68	67.5	-38.9	5050
		3-31-69	61.8	-33.2	5050
7N/05E-26P02M	30.0	10-08-68	89.6	-59.6	5108
		3-25-69	64.6	-34.6	5108
7N/05E-28E01M	22.5	10-08-68	71.8	-49.3	5108
		3-25-69	67.0	-44.5	5108
7N/05E-28P01M	24.0	10-15-68	78.2	-54.2	4202
		3-14-69	72.6	-48.6	4202
7N/05E-29D01M	17.0	10-08-68	(1)		5108
		3-25-69	49.3	-32.3	5108
7N/05E-32K01M	19.5	10-28-68	63.6	-44.1	5050
		11-25-68	63.2	-43.7	5050
		12-23-68	62.9	-43.4	5050
		1-27-69	62.4	-42.9	5050
		2-24-69	61.4	-41.9	5050
		3-24-69	60.4	-40.9	5050
		4-22-69	59.8	-40.3	5050
		5-26-69	59.9	-40.4	5050
		6-24-69	59.6	-40.1	5050
		7-28-69	61.8	-42.3	5050
		8-27-69	62.4	-42.9	5050
		9-29-69	62.9	-43.4	5050
7N/05E-34L01M	29.0	10-08-68	100.0	-71.0	5108
		3-25-69	87.6	-58.6	5108
7N/05E-36A01M	38.5	10-08-68	92.3	-53.8	5108
		3-25-69	89.5	-51.0	5108
7N/06E-08H01M	58.5	10-10-68	91.3	-32.8	5108
		3-26-69	51.7	6.8	5108
7N/06E-09J01M	69.0	10-10-68	85.8	-16.8	5108
		3-26-69	83.8	-14.8	5108
7N/06E-10M01M	82.0	10-15-68	105.3	-23.3	4202
		3-14-69	95.1	-13.1	4202
7N/06E-12A01M	115.0	10-11-68	101.7	13.3	5108
		3-26-69	89.7	25.3	5108
7N/06E-14Q01M	90.0	10-11-68	94.8	-4.8	5108
		3-26-69	87.4	2.6	5108
7N/06E-15N01M	64.0	10-10-68	93.0	-29.0	5108
		3-26-69	83.3	-19.3	5108
7N/06E-20J01M	57.0	10-10-68	90.3	-33.3	5108
		3-26-69	85.4	-28.4	5108
7N/06E-22C02M	60.0	10-15-68	84.7	-24.7	4202
		3-14-69	75.1	-15.1	4202
7N/06E-22R02M	70.0	10-10-68	83.2	-13.2	5108
		3-26-69	74.7	-4.7	5108
7N/06E-23P01M	77.0	10-29-68	84.1	-7.1	5050
		11-26-68	82.3	-5.3	5050
		12-24-68	80.7	-3.7	5050
		1-28-69	79.6	-2.6	5050
		2-25-69	78.3	-1.3	5050
		3-25-69	77.3	-0.3	5050
		4-23-69	78.6	-1.6	5050
		5-27-69	81.3	-4.3	5050
		6-25-69	83.0	-6.0	5050
		7-28-69	85.3	-8.3	5050
		8-27-69	86.5	-9.5	5050
		9-29-69	86.3	-9.3	5050
7N/06E-25B01M	84.0	10-11-68	77.3	6.7	5001
		4-10-69	66.2	17.8	5001
7N/06E-28N01M	59.0	10-15-68	92.1	-33.1	4202
		3-15-69	84.8	-25.8	4202
7N/06E-32P01M	50.5	10-10-68	94.8	-44.3	5108
		3-26-69	86.4	-35.9	5108

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/06E-33J01M	63.0	10-11-68	77.4	-14.4	5050
		4-03-69	63.0	0.0	5050
7N/06E-34H01M	70.6	10-10-68	(2) 65.1	5.5	5001
		4-10-69	39.3	31.3	5001
7N/06E-35Q01M	62.1	10-10-68	43.5	18.6	5001
		4-10-69	28.8	33.3	5001
7N/06E-35R01M	66.3	10-10-68	50.4	13.9	5001
		4-10-69	36.2	30.1	5001
7N/06E-36N01M	81.4	10-11-68	(6)		5001
7N/06E-36P02M	75.0	10-11-68	64.8	10.2	5001
		4-10-69	50.8	24.2	5001
7N/07E-02C01M	102.5	10-11-68	39.6	62.9	5001
		4-10-69	32.2	70.3	5001
7N/07E-03B01M	100.0	10-11-68	43.5	56.5	5001
		4-10-69	35.6	64.4	5001
7N/07E-04J01M	133.5	10-11-68	85.1	48.4	5001
		4-10-69	80.7	52.8	5001
7N/07E-04P01M	174.1	10-11-68	136.8	37.3	5001
		4-10-69	124.4	49.7	5001
7N/07E-07N01M	100.0	10-11-68	DRY		5001
		10-29-68	DRY		5050
		11-26-68	DRY		5050
		12-24-68	DRY		5050
		1-28-69	79.0	21.0	5050
		2-25-69	77.0	23.0	5050
		3-25-69	76.2	23.8	5050
		4-10-69	76.4	23.6	5001
7N/07E-07N02M	100.5	10-11-68	86.5	14.0	5001
		4-10-69	(1)		5001
7N/07E-10K01M	98.0	10-11-68	51.2	46.8	5001
		4-10-69	41.4	56.6	5001
7N/07E-14L01M	127.6	10-11-68	87.4	40.2	5001
		4-10-69	85.2	42.4	5001
7N/07E-14L02M	126.0	10-11-68	86.3	39.7	5001
		4-10-69	82.7	43.3	5001
7N/07E-17G02M	101.5	10-11-68	76.5	25.0	5001
		4-10-69	67.4	34.1	5001
7N/07E-17N01M	81.4	10-11-68	(4)		5001
		4-10-69	(4)		5001
7N/07E-20C01M	81.0	10-11-68	52.2	28.8	5001
		4-10-69	39.9	41.1	5001
7N/07E-20H01M	80.5	10-11-68	54.1	26.4	5001
		4-10-69	45.7	34.8	5001
7N/07E-22E01M	109.6	10-11-68	84.8	24.8	5001
		4-10-69	76.5	33.1	5001
7N/07E-24K01M	131.0	10-11-68	DRY		5001
		4-10-69	DRY		5001
7N/07E-24K02M	130.0	10-11-68	89.4	40.6	5001
		4-10-69	88.3	41.7	5001
7N/07E-27B01M	107.0	10-14-68	87.5	19.5	5001
		4-10-69	81.0	26.0	5001
7N/07E-27P01M	100.0	10-14-68	81.9	18.1	5001
		4-10-69	74.8	25.2	5001
7N/07E-29B01M	85.0	10-11-68	(4)		5001
		4-10-69	(4)		5001
7N/07E-29B02M	85.0	10-11-68	71.7	13.3	5001
		4-10-69	55.0	30.0	5001
7N/07E-31F01M	85.1	10-11-68	78.1	7.0	5001
		4-10-69	64.3	20.8	5001
7N/07E-32A01M	75.0	10-11-68	46.0	29.0	5001
		4-10-69	20.5	54.5	5001
7N/07E-34D01M	97.4	10-14-68	85.7	11.7	5001
		4-10-69	76.0	21.4	5001
7N/07E-35K01M	156.0	10-14-68	131.9	24.1	5001
		4-10-69	129.6	26.4	5001
7N/08E-02L01M	198.0	10-24-68	18.4	179.6	5108
		3-27-69	6.5	191.5	5108
7N/08E-06N01M	117.5	10-11-68	33.0	84.5	5001
		4-10-69	(7)		5001
7N/08E-13A01M	260.0	10-24-68	14.7	245.3	5108
		3-27-69	11.8	248.2	5108
7N/08E-16E01M	248.8	10-11-68	136.8	112.0	5050
		4-02-69	136.1	112.7	5050
7N/08E-18F01M	140.0	10-11-68	80.1	59.9	5050
		4-02-69	80.6	59.4	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
SACRAMENTO COUNTY 5-21.08 (Continued)					
7N/08E-26H01M	190.0	10-24-68	16.9	173.1	5108
		3-27-69	15.3	174.7	5108
7N/08E-36E01M	185.0	10-24-68	9.7	175.3	5108
		3-27-69	3.2	181.8	5108
8N/04E-01G01M	18.3	10-14-68	(1)		5050
		4-03-69	16.8	1.5	5050
8N/04E-11P01M	17.0	10-07-68	19.0	-2.0	5108
		3-24-69	8.2	8.8	5108
8N/04E-13K01M	23.0	10-07-68	30.0	-7.0	5108
		3-24-69	24.0	-1.0	5108
8N/04E-24M01M	25.0	10-29-68	35.7	-10.7	5050
		11-29-68	35.7	-10.7	5050
		12-27-68	34.9	-9.9	5050
		1-28-69	32.7	-7.7	5050
		2-27-69	30.4	-5.4	5050
		3-27-69	30.4	-5.4	5050
		4-24-69	31.2	-6.2	5050
		5-28-69	31.9	-6.9	5050
		6-25-69	32.1	-7.1	5050
		7-29-69	32.6	-7.6	5050
		8-28-69	33.3	-8.3	5050
		9-30-69	33.8	-8.8	5050
8N/04E-33N01M	7.0	10-07-68	8.0	-1.0	5108
		3-24-69	0.9	6.1	5108
8N/04E-36L01M	5.0	10-08-68	23.8	-18.8	5108
		3-24-69	18.9	-13.9	5108
8N/05E-02P01M	39.0	10-28-68	34.5	4.5	5108
		3-28-69	29.0	10.0	5108
8N/05E-03B01M	30.0	10-28-68	37.6	-7.6	5108
		3-28-69	30.5	-0.5	5108
8N/05E-06H01M	22.2	10-11-68	(4) 35.0	-12.8	5050
		3-31-69	17.8	4.4	5050
8N/05E-07P01M	24.3	10-10-68	32.1	-7.8	5050
		3-31-69	28.5	-4.2	5050
8N/05E-12Q01M	44.5	10-10-68	46.5	-2.0	5108
		3-26-69	49.8	-5.3	5108
8N/05E-14J01M	45.0	10-10-68	56.3	-11.3	5108
		3-25-69	50.8	-5.8	5108
8N/05E-15E01M	37.0	10-29-68	46.8	-9.8	5050
		11-26-68	46.7	-9.7	5050
		12-24-68	46.4	-9.4	5050
		1-28-69	45.8	-8.8	5050
		2-25-69	45.1	-8.1	5050
		3-25-69	44.3	-7.3	5050
		4-23-69	43.8	-6.8	5050
		5-27-69	43.5	-6.5	5050
		6-25-69	43.4	-6.4	5050
		7-28-69	44.0	-7.0	5050
		8-27-69	44.4	-7.4	5050
		9-29-69	44.8	-7.8	5050
8N/05E-18K01M	19.9	10-11-68	30.7	-10.8	5050
		3-31-69	27.8	-7.9	5050
8N/05E-18Q01M	24.7	10-10-68	37.2	-12.5	5050
		3-31-69	34.9	-10.2	5050
8N/05E-21H02M	39.5	10-10-68	56.5	-17.0	5108
		3-26-69	54.8	-15.3	5108
8N/05E-24M02M	44.0	10-10-68	(8)		5108
		3-25-69	62.2	-18.2	5108
8N/05E-30A01M	27.3	10-11-68	51.5	-24.2	5050
		3-31-69	49.3	-22.0	5050
8N/05E-31E01M	18.0	10-08-68	40.5	-22.5	5108
		3-24-69	37.0	-19.0	5108
8N/05E-32R01M	21.7	10-10-68	59.5	-37.8	5050
		3-31-69	53.1	-31.4	5050
8N/05E-33J01M	26.0	10-14-68	66.5	-40.5	5050
		4-02-69	61.8	-35.8	5050
8N/06E-05P01M	58.0	10-25-68	48.3	9.7	5108
		3-27-69	43.8	14.2	5108
8N/06E-06E03M	65.0	10-05-68	72.0	-7.0	4400
		3-05-69	63.0	2.0	4400
8N/06E-06F01M	60.0	10-05-68	68.0	-8.0	4400
		3-05-69	59.0	1.0	4400
8N/06E-08F01M	57.8	10-14-68	50.9	6.9	5050
		4-03-69	45.2	12.6	5050
8N/06E-09Q02M	75.7	10-25-68	64.2	11.5	5108
		3-27-69	60.1	15.6	5108
8N/06E-11B01M	90.1	10-25-68	78.0	12.1	5108
		3-27-69	64.0	26.1	5108

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/06E-15P01M	72.1	10-25-68	62.7	9.4	5108
		10-29-68	60.8	11.3	5050
		11-26-68	59.1	13.0	5050
		12-24-68	58.3	13.8	5050
		1-28-69	57.3	14.8	5050
		2-25-69	56.5	15.6	5050
		3-25-69	56.0	16.1	5050
		3-27-69	57.4	14.7	5108
		4-23-69	56.4	15.7	5050
		5-27-69	59.6	12.5	5050
		6-25-69	60.7	11.4	5050
		7-28-69	62.8	9.3	5050
		8-27-69	63.6	8.5	5050
		9-30-69	62.8	9.3	5050
8N/06E-20R01M	57.4	10-24-68	66.8	-9.4	5108
		3-26-69	63.0	-5.6	5108
8N/06E-21N02M	65.0	10-14-68	70.4	-5.4	5050
		10-15-68	75.8	-10.8	4202
		3-15-69	66.2	-1.2	4202
		4-03-69	65.8	-0.8	5050
8N/06E-25J02M	141.0	10-17-68	118.0	23.0	5050
		3-25-69	117.1	23.9	5050
8N/06E-26K01M	123.0	10-24-68	115.3	7.7	5108
		3-27-69	107.8	15.2	5108
8N/06E-27H02M	93.7	10-24-68	86.8	6.9	5108
		3-27-69	80.0	13.7	5108
8N/06E-27N01M	79.0	10-11-68	84.6	-5.6	5108
		3-26-69	76.6	2.4	5108
8N/06E-30C01M	50.0	10-11-68	68.7	-18.7	5108
		3-26-69	62.9	-12.9	5108
8N/06E-31F01M	51.0	10-11-68	75.5	-24.5	5108
		3-26-69	79.8	-28.8	5108
8N/06E-33N01M	64.7	10-10-68	89.0	-24.3	5108
		3-26-69	85.9	-21.2	5108
8N/06E-34R01M	106.4	10-11-68	(1)		5108
		3-26-69	(3)		5108
8N/07E-02N01M	257.6	10-24-68	138.1	119.5	5108
		3-27-69	137.4	120.2	5108
8N/07E-09N01M	189.6	10-25-68	117.3	72.3	5108
		3-27-69	(3) 51.8	137.8	5108
8N/07E-14C01M	254.2	10-24-68	145.8	108.4	5108
		3-27-69	147.5	106.7	5108
8N/07E-18E01M	125.5	10-17-68	99.9	25.6	5050
		3-25-69	88.0	37.5	5050
8N/07E-31J01M	115.4	10-24-68	76.6	38.8	5108
		3-27-69	70.6	44.8	5108
8N/07E-33E01M	145.3	10-24-68	98.1	47.2	5108
		3-27-69	94.6	50.7	5108
9N/03E-02D01M	23.0	10-22-68	16.0	7.0	5108
		4-07-69	6.3	16.7	5108
9N/04E-01R01M	19.5	10-22-68	19.4	0.1	5108
		4-04-69	13.3	6.2	5108
9N/04E-08L01M	24.0	10-22-68	18.5	5.5	5108
		4-07-69	12.4	11.6	5108
9N/04E-09B01M	20.0	10-22-68	12.5	7.5	5108
		4-04-69	2.0	18.0	5108
9N/04E-11E01M	21.0	10-15-68	(7)		5050
		3-25-69	(7)		5050
9N/04E-22E01M	12.0	10-29-68	9.5	2.5	5050
		11-27-68	8.5	3.5	5050
		12-24-68	7.9	4.1	5050
		1-28-69	1.5	10.5	5050
		2-25-69	0.1	11.9	5050
		3-27-69	1.6	10.4	5050
		4-23-69	2.8	9.2	5050
		5-29-69	(1) 7.7	4.3	5050
		6-25-69	(1) 8.1	3.9	5050
		7-28-69	5.6	6.4	5050
		8-28-69	4.3	7.7	5050
		9-29-69	5.6	6.4	5050
9N/04E-23R01M	15.0	10-22-68	17.7	-2.7	5108
		4-04-69	5.3	9.7	5108
9N/04E-27F01M	24.0	10-21-68	22.0	2.0	5108
		4-02-69	14.7	9.3	5108
9N/04E-36D01M	21.6	10-21-68	21.0	0.6	5108
		4-02-69	8.8	12.8	5108
9N/05E-07D01M	20.0	10-22-68	19.3	0.7	5108
		4-04-69	11.8	8.2	5108
9N/05E-08J02M	33.0	10-15-68	41.1	-8.1	5050
		3-21-69	38.4	-5.4	5050
9N/05E-13G03M	80.0	10-05-68	101.0	-21.0	4400
		3-05-69	93.0	-13.0	4400

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-13J01M	80.0	10-05-68	95.0	-15.0	4400
		3-05-69	83.0	-3.0	4400
9N/05E-13L02M	72.0	10-05-68	83.0	-11.0	4400
		3-05-69	77.0	-5.0	4400
9N/05E-14N03M	64.0	10-11-68	80.3	-16.3	5050
		3-31-69	73.6	-9.6	5050
9N/05E-14K02M	66.0	10-05-68	(7)		4400
		3-05-69	(0)		4400
9N/05E-15A01M	60.0	10-15-68	(6)		5050
9N/05E-18R01M	31.0	10-21-68	35.8	-4.8	5108
		4-04-69	26.3	4.7	5108
9N/05E-21M01M	34.0	10-29-68	47.8	-13.8	5050
		11-27-68	47.2	-13.2	5050
		12-24-68	46.4	-12.4	5050
		1-28-69	45.8	-11.8	5050
		2-25-69	44.9	-10.9	5050
		3-27-69	44.0	-10.0	5050
		4-23-69	43.3	-9.3	5050
		5-29-69	43.9	-9.9	5050
		6-25-69	44.6	-10.6	5050
		7-29-69	46.0	-12.0	5050
		8-28-69	47.2	-13.2	5050
		9-30-69	47.8	-13.8	5050
9N/05E-22A01M	52.0	10-05-68	69.0	-17.0	4400
		3-05-69	67.0	-15.0	4400
9N/05E-22G02M	51.0	10-22-68	71.5	-20.5	5050
		3-31-69	72.7	-21.7	5050
9N/05E-22L01M	51.0	10-05-68	69.0	-18.0	4400
		3-05-69	64.0	-13.0	4400
9N/05E-23A01M	65.0	10-05-68	84.0	-19.0	4400
		3-05-69	76.0	-11.0	4400
9N/05E-23F01M	59.0	10-05-68	82.0	-23.0	4400
		3-05-69	74.0	-15.0	4400
9N/05E-23H01M	63.0	10-05-68	87.0	-24.0	4400
		3-05-69	75.0	-12.0	4400
9N/05E-23L01M	60.0	10-05-68	80.0	-20.0	4400
		3-05-69	75.0	-15.0	4400
9N/05E-23L02M	57.0	10-05-68	82.0	-25.0	4400
		3-05-69	74.0	-17.0	4400
9N/05E-24A03M	72.0	10-05-68	89.0	-17.0	4400
		3-05-69	80.0	-8.0	4400
9N/05E-25C01M	68.0	10-05-68	90.0	-22.0	4400
		3-05-69	80.0	-12.0	4400
9N/05E-25E02M	45.0	10-05-68	69.0	-24.0	4400
		3-05-69	61.0	-16.0	4400
9N/05E-26D01M	52.0	10-05-68	77.0	-25.0	4400
		4-05-69	71.0	-19.0	4400
9N/05E-26E01M	42.0	10-05-68	64.0	-22.0	4400
		3-05-69	59.0	-17.0	4400
9N/05E-26G02M	58.0	10-05-68	82.0	-24.0	4400
		3-05-69	75.0	-17.0	4400
9N/05E-26Q01M	40.0	10-05-68	61.0	-21.0	4400
		3-05-69	54.0	-14.0	4400
9N/05E-27Q01M	44.0	10-14-68	57.3	-13.3	5050
		4-03-69	52.9	-8.9	5050
9N/05E-28B01M	40.0	10-29-68	DRY		5108
		4-02-69	51.8	-11.8	5108
9N/05E-28H01M	37.6	10-11-68	52.4	-14.8	5050
		3-31-69	47.1	-9.5	5050
9N/05E-28K01M	32.9	10-11-68	47.2	-14.3	5050
		3-31-69	40.0	-7.1	5050
9N/05E-28N01M	40.0	10-17-68	43.8	-3.8	5050
		3-31-69	36.3	3.7	5050
9N/05E-29L02M	30.0	10-29-68	39.6	-9.6	5108
		4-02-69	31.0	-1.0	5108
9N/05E-30B01M	22.0	10-21-68	31.4	-9.4	5108
		4-02-69	19.7	2.3	5108
9N/05E-35Q01M	49.0	10-05-68	62.0	-13.0	4400
		3-05-69	55.0	-6.0	4400
9N/06E-02P01M	160.0	10-11-68	128.2	31.8	5108
		4-03-69	123.2	36.8	5108
9N/06E-05M01M	112.0	10-21-68	101.6	10.4	5108
		4-03-69	105.3	6.7	5108
9N/06E-07N01M	69.0	10-05-68	79.0	-10.0	4400
		3-05-69	74.0	-5.0	4400
9N/06E-09P01M	135.5	10-29-68	115.2	20.3	5108
		4-02-69	114.3	21.2	5108

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/06E-12Q01M	205.5	10-11-68	27.7	177.8	5108
		4-03-69	26.3	179.2	5108
9N/06E-17C01M	120.0	10-29-68	113.2	6.8	5108
		4-02-69	108.0	12.0	5108
9N/06E-19E01M	78.0	10-05-68	104.0	-26.0	4400
		3-05-69	89.0	-11.0	4400
9N/06E-19K01M	86.0	10-05-68	107.0	-21.0	4400
		3-05-69	88.0	-2.0	4400
9N/06E-19R01M	81.0	10-05-68	98.0	-17.0	4400
		3-05-69	85.0	-4.0	4400
9N/06E-20D01M	78.0	10-05-68	92.0	-14.0	4400
		3-05-69	75.0	3.0	4400
9N/06E-20N02M	92.0	10-05-68	91.0	1.0	4400
		3-05-69	79.0	13.0	4400
9N/06E-24K02M	113.0	10-24-68	(4)		5108
		4-02-69	52.4	60.6	5108
9N/06E-26C01M	96.3	10-24-68	47.6	48.7	5108
		4-02-69	(8)		5108
9N/06E-27D01M	71.0	10-29-68	38.2	32.8	5108
		4-02-69	33.8	37.2	5108
9N/06E-28K01M	113.1	10-29-68	77.8	35.3	5108
		4-02-69	75.1	38.0	5108
9N/06E-30C01M	75.0	10-05-68	88.0	-13.0	4400
		3-05-69	79.0	-4.0	4400
9N/06E-30J01M	81.5	10-29-68	81.3	0.2	5050
		11-26-68	78.5	3.0	5050
		12-24-68	76.8	4.7	5050
		1-28-69	75.7	5.8	5050
		2-25-69	74.9	6.6	5050
		3-25-69	74.5	7.0	5050
		4-23-69	75.0	6.5	5050
		5-27-69	80.2	1.3	5050
		6-25-69	81.6	-0.1	5050
		7-28-69	85.8	-4.3	5050
		8-27-69	86.4	-4.9	5050
		9-29-69	84.7	-3.2	5050
9N/06E-30N01M	66.0	10-05-68	80.0	-14.0	4400
		3-05-69	68.0	-2.0	4400
9N/06E-30Q01M	82.0	10-05-68	92.0	-10.0	4400
		3-05-69	83.0	-1.0	4400
9N/06E-31J01M	71.2	10-05-68	77.0	-5.8	4400
		3-05-69	70.0	1.2	4400
9N/06E-32D02M	90.0	10-05-68	105.0	-15.0	4400
		3-05-69	95.0	-5.0	4400
9N/06E-32L01M	52.6	10-29-68	47.7	4.9	5108
		3-28-69	42.1	10.5	5108
9N/06E-33E01M	60.0	11-05-68	52.0	8.0	4400
		3-05-69	40.0	20.0	4400
9N/06E-33R01M	73.2	10-25-68	44.6	28.6	5108
		3-28-69	39.8	33.4	5108
9N/06E-34R01M	96.3	11-01-68	64.8	31.5	5050
		3-26-69	61.4	34.9	5050
9N/06E-36J01M	115.4	10-24-68	67.8	47.6	5108
		3-27-69	62.7	52.7	5108
9N/07E-07F01M	204.2	10-11-68	153.0	51.2	5108
		4-03-69	152.0	52.2	5108
9N/07E-09A01M	192.0	10-11-68	(4)		5108
		4-03-69	(4)		5108
9N/07E-12L01M	290.0	10-28-68	46.2	243.8	5108
		3-28-69	44.2	245.8	5108
9N/07E-16Q01M	144.5	10-28-68	(1)		5108
		3-28-69	22.9	121.6	5108
9N/07E-27Q01M	224.1	10-24-68	42.3	181.8	5108
		3-28-69	(7)		5108
9N/07E-31G01M	133.3	10-17-68	62.0	71.3	5050
		3-25-69	58.2	75.1	5050
10N/03E-35A01M	18.9	10-22-68	7.8	11.1	5108
		4-07-69	2.1	16.8	5108
10N/04E-13P01M	25.0	10-23-68	43.1	-18.1	5108
		4-07-69	18.8	6.2	5108
10N/04E-15F01M	14.0	10-22-68	3.9	10.1	5108
		4-07-69	(9)		5108
10N/04E-18A01M	23.0	10-22-68	8.2	14.8	5108
		4-07-69	4.5	18.5	5108
10N/04E-19P01M	21.0	10-23-68	7.2	13.8	5108
		4-07-69	4.0	17.0	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)					
10N/04E-21B02M	16.0	10-22-68	5.7	10.3	5108
		4-07-69	4.0	12.0	5108
10N/04E-23A01M	15.0	10-23-68	9.9	5.1	5108
		4-07-69	9.0	6.0	5108
10N/04E-24B01M	22.0	10-23-68	(1)		5108
		4-07-69	16.3	5.7	5108
10N/04E-31A01M	15.0	10-23-68	5.9	9.1	5108
		4-07-69	3.7	11.3	5108
10N/04E-34A02M	25.0	10-29-68	12.3	12.7	5050
		11-27-68	12.7	12.3	5050
		12-24-68	12.0	13.0	5050
		1-28-69	8.9	16.1	5050
		2-25-69	8.1	16.9	5050
		3-27-69	9.8	15.2	5050
		4-23-69	11.6	13.4	5050
		5-27-69	8.4	16.6	5050
		6-25-69	8.0	17.0	5050
		7-29-69	7.5	17.5	5050
		8-28-69	6.9	18.1	5050
		9-30-69	10.1	14.9	5050
10N/04E-36B01M	37.0	10-15-68	32.6	4.4	5050
		3-21-69	25.9	11.1	5050
10N/05E-07M03M	34.8	10-23-68	63.0	-28.2	5108
		4-07-69	59.1	-24.3	5108
10N/05E-14Q01M	86.0	10-23-68	81.1	4.9	5108
		4-08-69	77.6	8.4	5108
10N/05E-15P01M	67.5	10-23-68	70.6	-3.1	5108
		10-29-68	70.4	-2.9	5050
		11-26-68	69.6	-2.1	5050
		12-24-68	68.8	-1.3	5050
		1-28-69	68.1	-0.6	5050
		2-25-69	67.5	0.0	5050
		3-26-69	67.2	0.3	5050
		4-07-69	67.0	0.5	5108
		4-23-69	67.2	0.3	5050
		5-27-69	68.8	-1.3	5050
		6-25-69	69.8	-2.3	5050
		7-28-69	71.1	-3.6	5050
		8-27-69	71.9	-4.4	5050
		9-29-69	72.5	-5.0	5050
10N/05E-17N02M	51.0	10-23-68	58.8	-7.8	5108
		4-07-69	53.5	-2.5	5108
10N/05E-25H01M	100.0	10-05-68	113.0	-13.0	4400
		3-05-69	104.0	-4.0	4400
10N/05E-26B02M	81.0	10-23-68	73.9	7.1	5108
		4-09-69	(8)		5108
10N/05E-30L01M	36.0	10-23-68	34.9	1.1	5108
		4-07-69	30.5	5.5	5108
10N/05E-32Q02M	39.0	10-15-68	42.3	-3.3	5050
		3-21-69	37.9	1.1	5050
10N/05E-34M01M	47.0	10-23-68	53.1	-6.1	5108
		4-07-69	51.8	-4.8	5108
10N/05E-36B01M	90.0	10-05-68	101.0	-11.0	4400
		3-05-69	90.0	0.0	4400
10N/05E-36J01M	105.0	10-05-68	113.0	-8.0	4400
		3-05-69	105.0	0.0	4400
10N/05E-36K01M	92.0	10-05-68	108.0	-16.0	4400
		3-05-69	98.0	-6.0	4400
10N/05E-36Q02M	86.0	10-05-68	95.0	-9.0	4400
		3-05-69	87.0	-1.0	4400
10N/06E-19K01M	150.5	10-23-68	149.3	1.2	5108
		4-07-69	DRY		5108
10N/06E-21F02M	158.5	10-23-68	139.2	19.3	5108
		4-08-69	135.0	23.5	5108
10N/06E-22C01M	170.0	10-23-68	142.9	27.1	5108
		4-08-69	(2)		5108
10N/06E-22N01M	134.7	10-11-68	85.4	49.3	5050
		3-31-69	83.9	50.8	5050
10N/06E-24J01M	185.0	10-21-68	DRY		5108
		4-03-69	(6)		5108
10N/06E-25N01M	155.0	10-21-68	116.7	38.3	5108
		4-03-69	114.2	40.8	5108
10N/06E-30L01M	115.0	10-05-68	110.0	5.0	4400
		3-05-69	99.0	16.0	4400
10N/06E-31L01M	111.0	10-05-68	118.0	-7.0	4400
		3-05-69	110.0	1.0	4400
10N/06E-33K01M	120.0	10-21-68	108.3	11.7	5108
		10-29-68	104.9	15.1	5050
		11-26-68	101.9	18.1	5050
		12-24-68	100.4	19.6	5050
		1-28-69	99.8	20.2	5050
		2-25-69	100.6	19.4	5050
		3-26-69	100.0	20.0	5050
SACRAMENTO COUNTY 5-21.08 (Continued)					
10N/06E-33K01M (Continued)	120.0	4-03-69	100.5	19.5	5108
		4-23-69	101.6	18.4	5050
		5-27-69	108.6	11.4	5050
		6-25-69	110.5	9.5	5050
		7-28-69	114.5	5.5	5050
		8-27-69	115.1	4.9	5050
		9-29-69	112.1	7.9	5050
10N/07E-20D01M	210.0	10-21-68	116.7	93.3	5108
		4-03-69	DRY		5108
10N/07E-21H01M	230.0	10-15-68	(0)		5050
10N/07E-28C01M	210.2	10-21-68	101.8	108.4	5108
		4-03-69	101.0	109.2	5108
10N/07E-29G01M	216.0	10-21-68	108.7	107.3	5108
		4-03-69	108.3	107.7	5108
10N/07E-32N01M	215.0	10-11-68	153.7	61.3	5108
		4-03-69	150.7	64.3	5108
YOLO COUNTY 5-21.09					
6N/03E-12R01M	2.5	10-18-68	5.8	-3.3	5104
		3-20-69	2.1	0.4	5104
6N/03E-15B01M	4.0	10-14-68	5.0	-1.0	5104
		3-20-69	2.2	1.8	5104
6N/03E-23P01M	4.9	10-14-68	5.8	-0.9	5104
		3-20-69	2.0	2.9	5104
7N/03E-04Q01M	19.0	10-14-68	29.0	-10.0	5104
		3-20-69	10.1	8.9	5104
7N/03E-08J01M	17.0	10-14-68	34.9	-17.9	5050
		4-03-69	17.5	-0.5	5050
7N/03E-08M01M	19.0	10-22-68	44.2	-25.2	5001
		4-08-69	27.5	-8.5	5001
		9-29-69	(1)		5001
7N/03E-17F01M	16.0	10-14-68	25.5	-9.5	5050
		4-03-69	21.7	-5.7	5050
7N/03E-19N01M	21.0	10-22-68	35.0	-14.0	5001
		4-08-69	27.8	-6.8	5001
		9-29-69	(1)		5001
7N/03E-30Q01M	17.0	10-22-68	16.2	0.8	5001
		4-08-69	12.2	4.8	5001
		9-29-69	14.2	2.8	5001
8N/01E-01J02M	65.0	10-08-68	53.6	11.4	5104
		3-15-69	30.6	34.4	5104
8N/01E-02B01M	78.0	10-16-68	33.4	44.6	5001
		3-13-69	20.9	57.1	5001
8N/01E-04A01M	97.0	10-16-68	35.2	61.8	5001
		3-13-69	30.7	66.3	5001
8N/01E-04Q02M	95.0	10-08-68	34.2	60.8	5104
		3-15-69	21.5	73.5	5104
8N/01E-05A01M	115.0	10-17-68	(5) 100.0	15.0	5001
		3-13-69	(5) 60.0	55.0	5001
8N/01E-05C01M	101.0	10-16-68	(0)		5001
8N/01E-07B02M	107.0	10-08-68	27.7	79.3	5104
		10-16-68	27.9	79.1	5001
		3-13-69	19.5	87.5	5001
		3-15-69	19.8	87.2	5104
8N/01E-08M03M	100.0	10-08-68	32.0	68.0	5104
		3-15-69	18.6	81.4	5104
8N/01E-09E01M	97.0	10-08-68	41.0	56.0	5104
		3-15-69	24.5	72.5	5104
8N/01E-09R01M	90.5	10-31-68	37.7	52.8	5050
		11-29-68	35.8	54.7	5050
		12-27-68	34.9	55.6	5050
		1-30-69	31.9	58.6	5050
		2-27-69	27.9	62.6	5050
		3-27-69	26.6	63.9	5050
		4-25-69	29.2	61.3	5050
		5-29-69	59.2	31.3	5050
		6-27-69	50.7	39.8	5050
		7-29-69	60.7	29.8	5050
		8-28-69	48.7	41.8	5050
		9-30-69	40.0	50.5	5050
8N/01E-10M01M	91.3	10-08-68	57.6	33.7	5104
		3-15-69	27.2	64.1	5104
8N/01E-11F01M	78.0	10-08-68	41.6	36.4	5104
		3-15-69	25.4	52.6	5104
8N/01E-12D01M	70.0	10-08-68	51.5	18.5	5104
		3-15-69	25.0	45.0	5104
8N/01E-12R03M	64.0	10-16-68	52.5	11.5	5001
		3-13-69	26.4	37.6	5001
8N/01E-14P01M	79.0	10-08-68	48.8	30.2	5104
		3-15-69	31.6	47.4	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-15B01M	85.0	10-08-68	25.8	59.2	5104
		10-31-68	27.0	58.0	5050
		11-29-68	27.6	57.4	5050
		12-27-68	28.2	56.8	5050
		1-30-69	27.3	57.7	5050
		2-27-69	24.8	60.2	5050
		3-15-69	23.1	61.9	5104
		3-27-69	22.6	62.4	5050
		4-25-69	22.4	62.6	5050
		5-29-69	22.1	62.9	5050
		6-27-69	21.4	63.6	5050
		7-29-69	22.1	62.9	5050
		8-28-69	23.8	61.2	5050
		9-30-69	25.2	59.8	5050
8N/01E-16B01M	93.5	10-16-68	46.3	47.2	5001
		3-13-69	27.5	66.0	5001
8N/01E-16D01M	94.0	10-08-68	(9)		5104
		3-15-69	(9)		5104
8N/01E-17D01M	102.0	10-08-68	34.0	68.0	5104
		3-15-69	18.7	83.3	5104
8N/01E-17F01M	101.0	10-15-68	37.0	64.0	5001
		3-17-68	25.5	75.5	5001
8N/01E-18J02M	104.0	10-08-68	38.3	65.7	5104
		3-15-69	26.0	78.0	5104
8N/02E-01K01M	34.0	10-16-68	58.2	-24.2	5001
		3-13-69	24.7	9.3	5001
8N/02E-02M01M	41.0	10-16-68	64.8	-23.8	5001
		3-13-69	30.8	10.2	5001
8N/02E-04E01M	52.0	10-16-68	54.2	-2.2	5001
		3-13-69	26.6	25.4	5001
8N/02E-08R03M	55.0	10-16-68	61.7	-6.7	5001
		3-13-69	40.2	14.8	5001
8N/02E-09A01M	43.0	10-17-68	64.7	-21.7	5104
		3-15-69	37.8	5.2	5104
8N/02E-13B06M	36.5	10-21-68	49.2	-12.7	5001
		3-13-69	24.3	12.2	5001
8N/02E-15M02M	52.7	10-21-68	73.8	-21.1	5001
		3-13-69	48.8	3.9	5001
8N/02E-16M01M	58.0	10-18-68	65.1	-7.1	5001
		3-13-69	44.3	13.7	5001
8N/02E-16N01M	60.0	10-08-68	33.2	26.8	5104
		3-15-69	48.6	11.4	5104
8N/02E-17M01M	59.0	10-18-68	59.1	-0.1	5001
		3-13-69	40.8	18.2	5001
8N/02E-19B01M	67.0	10-18-68	59.6	7.4	5001
		3-13-69	45.1	21.9	5001
8N/03E-03Q01M	14.0	10-14-68	14.1	-0.1	5104
		3-20-69	(9)		5104
8N/03E-04R01M	16.0	10-14-68	23.5	-7.5	5104
		3-20-69	6.0	10.0	5104
8N/03E-05Q01M	20.0	10-14-68	(4)		5104
8N/03E-07B01M	25.0	10-14-68	(9)		5104
		3-22-69	(9)		5104
8N/03E-07B02M	25.0	10-14-68	42.8	-17.8	5104
		3-22-69	16.2	8.8	5104
8N/03E-07M01M	32.4	10-31-68	41.5	-9.1	5050
		11-29-68	38.3	-5.9	5050
		12-27-68	35.1	-2.7	5050
		1-30-69	29.7	2.7	5050
		2-27-69	24.4	8.0	5050
		3-27-69	23.4	9.0	5050
		4-25-69	28.3	4.1	5050
		5-29-69	57.2	-24.8	5050
		6-27-69	67.3	-34.9	5050
		7-29-69	71.7	-39.3	5050
		8-28-69	67.2	-34.8	5050
		9-30-69	53.3	-20.9	5050
8N/03E-15D01M	14.0	10-14-68	21.0	-7.0	5050
		4-03-69	6.9	7.1	5050
8N/03E-19D01M	37.0	10-14-68	52.5	-15.5	5104
		10-21-68	47.8	-10.8	5001
		3-14-69	26.6	10.4	5001
		3-20-69	28.0	9.0	5104
8N/03E-20R01M	22.0	10-14-68	29.7	-7.7	5050
		4-03-69	13.7	8.3	5050
8N/03E-28H01M	20.0	10-14-68	17.9	2.1	5104
		3-20-69	6.9	13.1	5104
8N/03E-31N01M	32.0	10-14-68	68.6	-36.6	5104
		10-21-68	64.8	-32.8	5001
		3-14-69	36.6	-4.6	5001
		3-20-69	33.7	-1.7	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)					
8N/03E-32G01M	21.0	10-14-68	27.9	-6.9	5050
		4-03-69	16.7	4.3	5050
8N/03E-32L01M	25.0	10-14-68	41.7	-16.7	5050
		4-03-69	22.7	2.3	5050
8N/01W-02K01M	130.0	10-08-68	37.6	92.4	5104
		3-15-69	23.0	107.0	5104
8N/01W-03D03M	163.0	11-11-68	55.9	107.1	5001
		3-11-69	47.9	115.1	5001
8N/01W-09C01M	163.0	10-08-68	54.8	108.2	5104
		3-15-69	56.8	106.2	5104
8N/01W-10A02M	135.0	10-16-68	49.1	85.9	5001
		3-11-69	35.1	99.9	5001
8N/01W-10E01M	139.0	10-16-68	59.1	79.9	5001
		3-11-69	40.5	98.5	5001
8N/01W-11K02M	125.0	10-08-68	43.0	82.0	5104
		3-15-69	30.1	94.9	5104
8N/01W-12D01M	122.0	10-08-68	38.8	83.2	5104
		3-15-69	26.1	95.9	5104
8N/01W-13F05M	114.0	10-17-68	41.4	72.6	5001
		3-11-69	33.4	80.6	5001
8N/01W-13G03M	113.0	10-08-68	45.9	67.1	5104
		3-15-69	27.8	85.2	5104
8N/01W-14Q01M	120.0	10-08-68	43.3	76.7	5104
		3-15-69	31.6	88.4	5104
8N/01W-16R02M	128.0	10-08-68	58.0	70.0	5104
		10-16-68	58.1	69.9	5001
		3-11-69	43.8	84.2	5001
		3-15-69	42.6	85.4	5104
8N/01W-20R02M	149.0	10-17-68	67.2	81.8	5001
		3-11-69	52.4	96.6	5001
8N/01W-20R05M	147.0	10-08-68	66.9	80.1	5104
		3-15-69	51.3	95.7	5104
8N/01W-21N01M	145.0	10-16-68	70.5	74.5	5001
		3-11-69	50.4	94.6	5001
8N/01W-22G02M	126.5	10-15-68	48.7	77.8	5001
		3-17-69	35.3	91.2	5001
8N/01W-22L01M	128.0	10-17-68	56.7	71.3	5001
		3-11-69	38.4	89.6	5001
		3-14-69	41.3	86.7	5050
8N/01W-28B01M	139.0	10-17-68	59.7	79.3	5001
		3-11-69	43.6	95.4	5001
8N/01W-28B02M	139.0	10-17-68	57.7	81.3	5001
		3-11-69	42.6	96.4	5001
8N/01W-28N01M	142.0	10-18-68	51.8	90.2	5001
		4-14-69	42.8	99.2	5001
8N/01W-29M01M	155.0	10-17-68	65.3	89.7	5001
		3-11-69	39.0	116.0	5001
8N/01W-31H01M	153.0	10-15-68	36.7	116.3	5001
		3-17-69	31.4	121.6	5001
8N/01W-31J03M	144.7	10-15-68	24.9	119.8	5001
		3-17-69	24.8	119.9	5001
8N/01W-31K01M	157.0	10-17-68	38.9	118.1	5001
		3-11-69	42.7	114.3	5001
8N/01W-32C01M	147.0	10-21-68	50.8	96.2	5001
		4-14-69	38.5	108.5	5001
9N/01E-01L01M	74.0	10-09-68	58.2	15.8	5104
		3-22-69	46.7	27.3	5104
9N/01E-01R01M	71.0	10-10-68	(4)		5104
		3-18-69	(4)		5104
9N/01E-02A01M	84.0	10-09-68	73.0	11.0	5104
		3-16-69	52.2	31.8	5104
9N/01E-02N01M	87.0	10-09-68	59.0	28.0	5104
		3-16-69	43.2	43.8	5104
9N/01E-03A02M	91.0	10-09-68	71.6	19.4	5104
		3-16-69	62.6	28.4	5104
9N/01E-03C03M	96.0	10-09-68	65.9	30.1	5104
		3-16-69	49.5	46.5	5104
9N/01E-05E01M	116.0	10-09-68	16.2	99.8	5104
		3-16-69	5.9	110.1	5104
9N/01E-06D01M	125.0	10-00-68	(0)		5104
9N/01E-07D01M	121.0	10-07-68	27.2	93.8	5104
		3-16-69	9.3	111.7	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)					
9N/01E-08D01M	116.0	10-09-68	6.3	109.7	5104
		3-16-69	0.8	115.2	5104
9N/01E-12A01M	70.0	10-10-68	58.3	11.7	5104
		3-19-69	40.2	29.8	5104
9N/01E-12M01M	81.0	10-09-68	47.2	33.8	5104
		3-16-69	38.4	42.6	5104
9N/01E-12Q01M	71.0	10-09-68	47.2	23.8	5104
		3-16-69	45.6	25.4	5104
9N/01E-16A01M	92.0	10-14-68	15.4	76.6	5050
		4-03-69	11.4	80.6	5050
9N/01E-17D01M	109.0	10-09-68	(4)		5104
		3-00-69	(0)		5104
9N/01E-20E01M	112.0	10-08-68	17.4	94.6	5104
		3-16-69	(9)		5104
9N/01E-22A02M	78.0	10-08-68	13.1	64.9	5104
		3-16-69	10.0	68.0	5104
9N/01E-22B01M	86.0	10-08-68	15.1	70.9	5104
		3-16-69	12.5	73.5	5104
9N/01E-24D01M	67.0	10-08-68	26.9	40.1	5104
		3-16-69	20.8	46.2	5104
9N/01E-26N01M	77.0	10-08-68	21.8	55.2	5104
		3-16-69	10.9	66.1	5104
9N/01E-27Q01M	87.0	10-08-68	23.5	63.5	5104
		3-16-69	17.6	69.4	5104
9N/01E-28M01M	102.0	10-08-68	8.7	93.3	5104
		3-16-69	(1)		5104
9N/01E-31D01M	116.0	10-14-68	15.2	100.8	5050
		4-03-69	9.3	106.7	5050
9N/01E-31K02M	111.0	10-16-68	30.9	80.1	5001
		3-13-69	20.3	90.7	5001
9N/02E-05C01M	68.0	10-19-68	36.3	31.7	5104
		3-22-69	35.3	32.7	5104
9N/02E-07A01M	72.0	10-09-68	(9)		5104
		3-16-69	42.0	30.0	5104
9N/02E-07K01M	70.0	10-09-68	62.6	7.4	5104
		3-16-69	41.8	28.2	5104
9N/02E-07L01M	66.0	10-09-68	49.1	16.9	5104
		3-16-69	37.7	28.3	5104
9N/02E-09B01M	53.0	10-17-68	36.2	16.8	5104
		3-18-69	24.6	28.4	5104
9N/02E-10D01M	46.0	10-17-68	28.2	17.8	5104
		3-18-69	16.7	29.3	5104
9N/02E-11D01M	34.0	10-17-68	9.1	24.9	5104
		3-22-69	8.1	25.9	5104
9N/02E-12J01M	25.0	10-17-68	5.6	19.4	5104
		3-22-69	3.7	21.3	5104
9N/02E-16E01M	53.0	10-19-68	46.7	6.3	5104
		3-18-69	20.5	32.5	5104
9N/02E-16N01M	52.0	10-31-68	42.4	9.6	5050
		11-29-68	37.6	14.4	5050
		12-27-68	35.3	16.7	5050
		1-30-69	27.7	24.3	5050
		2-27-69	21.7	30.3	5050
		3-27-69	19.4	32.6	5050
		4-25-69	22.9	29.1	5050
		5-29-69	47.8	4.2	5050
		6-27-69	58.6	-6.6	5050
		7-29-69	65.6	-13.6	5050
		8-28-69	63.0	-11.0	5050
		9-30-69	52.1	-0.1	5050
9N/02E-17M01M	65.0	10-17-68	41.4	23.6	5104
		3-16-69	29.8	35.2	5104
9N/02E-20M01M	61.0	10-17-68	48.4	12.6	5104
		3-16-69	23.4	37.6	5104
9N/02E-21L01M	51.0	10-19-68	52.3	-1.3	5104
		3-18-69	24.1	26.9	5104
9N/02E-23D01M	43.0	10-05-68	(0)		5050
9N/02E-29Q03M	50.0	10-19-68	52.9	-2.9	5104
		3-15-69	25.1	24.9	5104
9N/02E-31D01M	65.0	10-08-68	46.8	18.2	5104
		3-15-69	33.0	32.0	5104
9N/02E-33H01M	47.0	10-19-68	60.2	-13.2	5104
		3-15-69	29.1	17.9	5104
9N/02E-35E01M	34.0	10-14-68	48.3	-14.3	5104
		3-22-69	(9)		5104
9N/03E-07D01M	25.0	10-17-68	17.2	7.8	5104
		3-22-69	9.1	15.9	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/03E-11N09M	13.0	10-14-68	(9)		5104
		3-20-69	2.1	10.9	5104
9N/03E-31A02M	21.0	10-14-68	31.9	-10.9	5104
		3-22-69	12.5	8.5	5104
9N/04E-32G01M	12.0	10-31-68	10.2	1.8	5050
		11-29-68	9.8	2.2	5050
		12-27-68	8.8	3.2	5050
		1-30-69	4.9	7.1	5050
		2-27-69	2.1	9.9	5050
		3-27-69	3.9	8.1	5050
		4-25-69	4.8	7.2	5050
		5-29-69	6.1	5.9	5050
		6-27-69	7.2	4.8	5050
		7-29-69	9.0	3.0	5050
		8-28-69	10.5	1.5	5050
		9-30-69	9.7	2.3	5050
9N/04E-34K01M	18.4	10-11-68	16.4	2.0	5050
		3-31-69	6.8	11.6	5050
9N/01W-02Q02M	136.0	10-09-68	(3)		5104
		3-13-69	(8)		5104
9N/01W-03B01M	148.0	10-14-68	17.1	130.9	5104
		3-24-69	5.6	142.4	5104
9N/01W-05B01M	185.0	10-16-68	12.1	172.9	5104
		3-24-69	(7)		5104
9N/01W-07R01M	210.0	10-09-68	29.5	160.5	5104
		3-24-69	28.2	181.8	5104
9N/01W-08Q01M	190.0	10-09-68	17.3	172.7	5104
		3-24-69	15.6	174.4	5104
9N/01W-09K01M	168.0	10-09-68	26.2	141.8	5104
		3-28-69	4.4	163.6	5104
9N/01W-09P01M	182.0	10-09-68	20.0	162.0	5104
		3-24-69	13.7	168.3	5104
9N/01W-11K01M	138.0	10-09-68	12.6	125.4	5104
		3-16-69	5.0	133.0	5104
9N/01W-15D01M	164.0	10-09-68	32.9	131.1	5104
		3-24-69	8.6	155.4	5104
9N/01W-16N01M	180.0	10-08-68	8.7	171.3	5104
		3-24-69	4.1	175.9	5104
9N/01W-21E01M	170.0	10-08-68	9.7	160.3	5104
		3-24-69	3.3	166.7	5104
9N/01W-24G01M	125.0	10-08-68	10.0	115.0	5104
		3-16-69	(9)		5104
9N/01W-27B01M	149.0	10-08-68	25.3	123.7	5104
		3-24-69	10.6	138.4	5104
9N/01W-29J01M	182.0	10-08-68	30.4	151.6	5104
		3-24-69	28.5	153.5	5104
9N/01W-33J01M	169.0	10-08-68	37.3	131.7	5104
		3-24-69	33.9	135.1	5104
9N/01W-35M01M	143.0	10-08-68	42.3	100.7	5104
		10-31-68	40.5	102.5	5050
		11-29-68	39.3	103.7	5050
		12-27-68	38.9	104.1	5050
		1-30-69	36.5	106.5	5050
		2-27-69	32.0	111.0	5050
		3-16-69	30.0	113.0	5104
		3-27-69	30.3	112.7	5050
		4-25-69	(1)		5050
		5-29-69	(1)		5050
		6-27-69	40.4	102.6	5050
		7-29-69	49.6	93.4	5050
		8-28-69	44.2	98.8	5050
		9-30-69	40.1	102.9	5050
9N/01W-36G03M	119.5	10-08-68	27.2	92.3	5104
		3-16-69	16.6	102.9	5104
9N/02W-01A01M	218.0	10-09-68	27.2	190.8	5104
		3-24-69	26.3	191.7	5104
10N/01E-01N01M	73.0	10-10-68	62.8	10.2	5104
		3-18-69	40.7	32.3	5104
10N/01E-02Q02M	72.5	10-10-68	63.2	9.3	5104
		3-18-69	43.2	29.3	5104
10N/01E-03E01M	79.0	10-10-68	98.1	-19.1	5104
		3-18-69	(9)		5104
10N/01E-07D01M	205.0	10-17-68	46.0	159.0	5104
		3-23-69	45.5	159.5	5104
10N/01E-10G01M	84.0	10-10-68	80.3	3.7	5104
		3-18-69	55.1	28.9	5104
10N/01E-13L01M	82.0	10-19-68	68.4	13.6	5104
		3-22-69	48.7	33.3	5104
10N/01E-14K01M	91.0	10-10-68	78.3	12.7	5104
		3-18-69	58.1	32.9	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)					
10N/01E-15D01M	93.0	10-10-68	72.1	20.9	5104
		3-18-69	59.7	33.3	5104
10N/01E-15F02M	87.0	10-10-68	79.0	8.0	5104
		3-18-69	60.8	26.2	5104
10N/01E-15R01M	94.0	10-10-68	(4)		5104
		3-18-69	50.9	43.1	5104
10N/01E-18C01M	185.0	10-17-68	55.9	129.1	5104
		3-23-69	(4)		5104
10N/01E-19K01M	120.0	10-17-68	(9)		5104
		3-23-69	5.7	114.3	5104
10N/01E-23G01M	92.0	10-19-68	(1)		5104
		3-22-69	53.0	39.0	5104
10N/01E-23Q02M	87.0	10-19-68	60.4	26.6	5104
		3-22-69	52.6	34.4	5104
10N/01E-24E01M	83.0	10-19-68	73.0	10.0	5104
		3-22-69	48.6	34.4	5104
10N/01E-26E03M	97.0	10-19-68	78.4	18.6	5104
		3-22-69	58.1	38.9	5104
10N/01E-27F01M	100.0	10-17-68	82.8	17.2	5104
		3-22-69	52.6	47.4	5104
10N/01E-28K01M	109.0	10-17-68	45.1	63.9	5104
		3-23-69	29.5	79.5	5104
10N/01E-29K01M	110.0	10-17-68	21.8	88.2	5104
		3-23-69	13.1	96.9	5104
10N/01E-30L01M	125.0	10-17-68	(9)		5104
		3-23-69	(9)		5104
10N/01E-31E01M	128.0	10-17-68	30.2	97.8	5104
		3-23-69	11.6	116.4	5104
10N/01E-32E01M	124.0	10-17-68	29.8	94.2	5104
		3-23-69	12.5	111.5	5104
10N/01E-33P01M	130.0	10-09-68	74.4	55.6	5104
		3-16-69	55.9	74.1	5104
10N/01E-34A03M	100.0	10-17-68	83.3	16.7	5104
		3-22-69	62.7	37.3	5104
10N/01E-34C01M	113.2	10-31-68	79.6	33.6	5050
		11-29-68	78.8	34.4	5050
		12-27-68	78.0	35.2	5050
		1-30-69	75.5	37.7	5050
		2-27-69	72.2	41.0	5050
		3-27-69	68.4	44.8	5050
		4-29-69	65.8	47.4	5050
		5-29-69	71.5	41.7	5050
		6-29-69	75.6	37.6	5050
		7-29-69	78.5	34.7	5050
		8-28-69	79.2	34.0	5050
		9-28-69	78.6	34.6	5050
10N/01E-36Q02M	85.0	10-10-68	71.2	13.8	5104
		3-19-69	54.1	30.9	5104
10N/02E-01P02M	30.0	10-10-68	25.5	4.5	5104
		3-18-69	6.5	23.5	5104
10N/02E-03R02M	37.0	10-10-68	36.4	0.6	5104
		3-18-69	12.1	24.9	5104
10N/02E-04R01M	44.0	10-10-68	29.2	14.8	5104
		3-18-69	16.9	27.1	5104
10N/02E-05M02M	64.5	10-10-68	55.6	8.9	5104
		3-18-69	38.0	26.5	5104
10N/02E-06B01M	65.0	10-10-68	68.4	-3.4	5104
		3-18-69	42.0	23.0	5104
10N/02E-06M01M	72.0	10-10-68	67.2	4.8	5104
		3-18-69	49.9	22.1	5104
10N/02E-08D02M	67.0	10-10-68	55.4	11.6	5104
		3-18-69	38.5	28.5	5104
10N/02E-08E01M	67.0	10-10-68	(3)		5104
		3-18-69	36.7	30.3	5104
10N/02E-08Q01M	63.0	10-10-68	58.7	4.3	5104
		3-18-69	35.6	27.4	5104
10N/02E-09N01M	63.0	10-10-68	63.2	-0.2	5104
		3-18-69	40.7	22.3	5104
10N/02E-10R01M	47.0	10-10-68	40.3	6.7	5104
		3-18-69	19.8	27.2	5104
10N/02E-12R01M	35.0	10-10-68	32.3	2.7	5104
		3-18-69	10.8	24.2	5104
10N/02E-14E01M	36.0	10-10-68	13.6	22.4	5104
		3-18-69	4.7	31.3	5104
10N/02E-14G01M	32.0	10-31-68	16.6	15.4	5050
		11-29-68	17.8	14.2	5050
		12-27-68	15.4	16.6	5050
YOLO COUNTY 5-21.09 (Continued)					
10N/02E-14G01M (Continued)	32.0	1-30-69	5.4	26.6	5050
		2-27-69	4.8	27.2	5050
		3-27-69	4.8	27.2	5050
		4-25-69	6.8	25.2	5050
		5-29-69	17.8	14.2	5050
		6-27-69	18.5	13.5	5050
		7-29-69	22.6	9.4	5050
		8-28-69	23.2	8.8	5050
		9-30-69	18.2	13.8	5050
10N/02E-15N01M	45.0	10-10-68	50.0	-5.0	5104
		3-18-69	22.0	23.0	5104
10N/02E-18M01M	74.0	10-19-68	60.4	13.6	5104
		3-22-69	42.9	31.1	5104
10N/02E-20E01M	62.0	10-10-68	47.1	14.9	5104
		3-19-69	37.2	24.8	5104
10N/02E-20N01M	65.0	10-10-68	56.9	8.1	5104
		3-18-69	36.3	28.7	5104
10N/02E-21M02M	52.0	10-10-68	34.5	17.5	5104
		3-18-69	24.3	27.7	5104
10N/02E-24B01M	29.0	10-10-68	25.8	3.2	5104
		3-18-69	(9)		5104
10N/02E-26Q01M	32.0	10-19-68	33.5	-1.5	5104
		3-18-69	9.4	22.6	5104
10N/02E-30E01M	74.0	10-10-68	(4)		5104
		3-05-69	(0)		5050
10N/02E-31M01M	77.0	10-10-68	66.6	10.4	5104
		3-19-69	48.9	28.1	5104
10N/02E-33R01M	52.0	10-17-68	43.3	8.7	5104
		3-18-69	23.9	28.1	5104
10N/02E-34M01M	54.0	10-17-68	46.9	7.1	5104
		3-18-69	25.4	28.6	5104
10N/03E-14C01M	25.0	10-14-68	15.4	9.6	5050
		4-03-69	7.6	17.4	5050
10N/03E-30A01M	24.0	10-14-68	20.9	3.1	5050
		4-03-69	5.9	18.1	5050
10N/03E-32E01M	21.0	10-14-68	18.3	2.7	5050
		4-03-69	3.0	18.0	5050
10N/03E-33B01M	22.0	10-14-68	14.5	7.5	5050
		4-03-69	5.6	16.4	5050
10N/01W-04C01M	178.0	10-16-68	63.1	114.9	5104
		3-25-69	35.5	142.5	5104
10N/01W-05E01M	185.0	10-16-68	67.6	117.4	5104
		3-25-69	44.2	140.8	5104
10N/01W-06A01M	189.0	10-16-68	(4)		5104
		3-25-69	51.8	137.2	5104
10N/01W-06D01M	205.0	10-14-68	81.9	123.1	5050
		4-03-69	60.0	145.0	5050
10N/01W-08B01M	176.0	10-16-68	60.2	115.8	5104
		3-25-69	37.9	138.1	5104
10N/01W-09F02M	171.0	10-16-68	57.0	114.0	5104
		3-25-69	28.8	142.2	5104
10N/01W-14B01M	153.0	10-17-68	23.8	129.2	5104
		3-23-69	18.7	134.3	5104
10N/01W-15A01M	155.0	10-17-68	32.2	122.8	5104
		3-23-69	17.8	137.2	5104
10N/01W-15B01M	153.0	10-17-68	31.7	121.3	5104
		3-23-69	19.6	133.4	5104
10N/01W-15P01M	160.0	10-17-68	39.5	120.5	5104
		3-23-69	22.6	137.4	5104
10N/01W-17N01M	180.0	10-16-68	56.0	124.0	5104
		3-25-69	22.7	157.3	5104
10N/01W-18A01M	179.0	10-14-68	55.3	123.7	5050
		4-03-69	28.2	150.8	5050
10N/01W-18E01M	188.0	10-14-68	59.7	128.3	5050
		4-03-69	26.3	161.7	5050
10N/01W-19Q04M	188.0	10-16-68	51.8	136.2	5104
		3-24-69	32.8	155.2	5104
10N/01W-20R01M	163.0	10-16-68	40.7	122.3	5104
		3-25-69	14.9	148.1	5104
10N/01W-21G01M	163.0	10-17-68	(8)		5104
		3-23-69	(4)		5104
10N/01W-21J01M	160.0	10-17-68	38.5	121.5	5104
		3-23-69	21.6	138.4	5104
10N/01W-23P01M	141.0	10-17-68	27.9	113.1	5104
		3-23-69	14.7	126.3	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)					
10N/01W-24L02M	137.0	10-17-68	20.9	116.1	5104
		3-23-69	11.5	125.5	5104
10N/01W-26D03M	147.0	10-17-68	32.2	114.8	5104
		3-23-69	16.6	130.4	5104
10N/01W-27F01M	147.0	10-17-68	29.3	117.7	5104
		3-23-69	10.5	136.5	5104
10N/01W-27N01M	150.0	10-31-68	29.3	120.7	5050
		11-29-68	28.2	121.8	5050
		12-27-68	26.3	123.7	5050
		1-30-69	18.5	131.5	5050
		2-27-69	11.3	138.7	5050
		3-27-69	10.3	139.7	5050
		4-25-69	11.6	138.4	5050
		5-29-69	22.7	127.3	5050
		6-27-69	19.7	130.3	5050
		7-29-69	28.4	121.6	5050
		8-28-69	28.4	121.6	5050
		9-30-69	32.0	118.0	5050
10N/01W-27P01M	146.0	10-17-68	29.4	116.6	5104
		3-23-69	10.1	135.9	5104
10N/01W-29M01M	173.0	10-16-68	18.4	154.6	5104
		3-24-69	2.1	170.9	5104
10N/01W-30K01M	181.0	10-16-68	26.1	154.9	5104
		3-24-69	7.9	173.1	5104
10N/01W-32B01M	180.0	10-16-68	16.8	163.2	5104
		3-24-69	11.4	168.6	5104
10N/01W-32E01M	188.0	10-16-68	19.4	168.6	5104
		3-24-69	11.9	176.1	5104
10N/01W-33F01M	165.0	10-17-68	31.9	133.1	5104
		3-24-69	11.2	153.8	5104
10N/01W-36B02M	131.0	10-17-68	(1)		5104
		3-23-69	9.7	121.3	5104
10N/02W-01M02M	225.0	10-14-68	101.0	124.0	5050
		4-03-69	78.0	147.0	5050
10N/02W-12D01M	210.0	10-14-68	DRY		5050
		4-02-69	60.9	149.1	5050
10N/02W-14A01M	200.0	10-14-68	84.1	115.9	5050
		10-16-68	82.9	117.1	5104
		3-25-69	56.8	143.2	5104
10N/02W-15R01M	213.0	10-16-68	19.1	193.9	5104
		3-25-69	(9)		5104
10N/02W-16R01M	229.0	10-16-68	16.1	212.9	5104
		3-25-69	11.0	218.0	5104
10N/02W-17J01M	254.0	10-16-68	11.1	242.9	5104
		3-25-69	7.3	246.7	5104
10N/02W-21G01M	239.0	10-16-68	17.9	221.1	5104
		3-25-69	14.9	224.1	5104
10N/02W-25D01M	232.0	10-16-68	43.5	188.5	5104
		3-24-69	36.9	195.1	5104
10N/02W-28J01M	365.0	10-16-68	80.0	285.0	5104
		3-24-69	76.9	288.1	5104
10N/02W-35A01M	250.0	10-16-68	53.2	196.8	5104
		3-24-69	51.2	198.8	5104
10N/02W-36A01M	191.0	10-16-68	(9)		5104
		3-24-69	3.9	187.1	5104
11N/01E-03E01M	36.0	10-17-68	51.2	-15.2	5001
		3-07-69	17.3	18.7	5050
		4-02-69	16.2	19.8	5001
11N/01E-04E02M	37.0	10-17-68	40.6	-3.6	5001
		4-02-69	17.3	19.7	5001
11N/01E-06F01M	40.0	10-17-68	53.2	-13.2	5001
		4-02-69	21.7	18.3	5001
11N/01E-06R02M	35.0	10-17-68	22.4	12.6	5001
		4-02-69	19.6	15.4	5001
11N/01E-09F01M	46.0	10-17-68	43.9	2.1	5001
		4-02-69	24.9	21.1	5001
11N/01E-09F02M	45.0	10-17-68	41.8	3.2	5001
		4-02-69	21.8	23.2	5001
11N/01E-09P01M	47.5	10-17-68	35.1	12.4	5001
		4-02-69	21.5	26.0	5001
11N/01E-09R01M	39.0	10-17-68	28.1	10.9	5001
		4-02-69	14.6	24.4	5001
11N/01E-12Q01M	35.5	10-17-68	(0)		5001
11N/01E-14E01M	39.0	10-17-68	47.1	-8.1	5001
		3-07-69	19.8	19.2	5050
		4-02-69	21.7	17.3	5001
11N/01E-15C01M	42.0	10-17-68	49.4	-7.4	5001
		3-07-69	20.2	21.8	5050
		4-02-69	20.8	21.2	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	10-17-68	35.9	10.1	5001
		3-07-69	23.1	22.9	5050
		4-02-69	27.4	18.6	5001
11N/01E-17F01M	50.5	10-16-68	43.1	7.4	5001
		4-01-69	25.4	25.1	5001
11N/01E-18B01M	52.5	10-16-68	45.6	6.9	5001
		3-13-69	28.5	24.0	5050
		4-01-69	(0)		5001
11N/01E-18C01M	52.0	10-16-68	66.3	-14.3	5001
		4-01-69	33.7	18.3	5001
11N/01E-19A02M	57.0	10-16-68	48.4	8.6	5001
		3-11-69	22.7	34.3	5050
		4-01-69	35.4	21.6	5001
11N/01E-21Q01M	55.0	10-16-68	(3)		5001
		10-31-68	28.9	26.1	5050
		11-29-68	29.5	25.5	5050
		12-27-68	30.0	25.0	5050
		1-30-69	27.5	27.5	5050
		2-27-69	23.6	31.4	5050
		3-27-69	21.4	33.6	5050
		4-01-69	(3)		5001
		4-25-69	20.9	34.1	5050
		5-29-69	(9)		5050
		6-27-69	22.1	32.9	5050
		7-29-69	(6)		5050
11N/01E-22B02M	43.0	3-11-69	(8)		5050
11N/01E-22D01M	45.0	10-17-68	26.9	18.1	5001
		3-11-69	21.5	23.5	5050
		4-02-69	21.9	23.1	5001
11N/01E-22P01M	58.5	10-17-68	(0)		5001
11N/01E-23C01M	46.6	10-17-68	50.4	-3.8	5001
		3-11-69	27.8	18.8	5050
		4-02-69	27.6	19.0	5001
11N/01E-23F01M	56.0	10-17-68	62.4	-6.4	5001
		3-10-69	35.5	20.5	5050
		4-02-69	37.4	18.6	5001
11N/01E-24P03M	46.0	10-17-68	43.1	2.9	5001
		3-10-69	23.5	22.5	5050
		4-02-69	24.5	21.5	5001
11N/01E-25E01M	48.0	10-17-68	34.1	13.9	5001
		3-11-69	29.8	18.2	5050
		4-02-69	29.3	18.7	5001
11N/01E-25R01M	55.0	10-17-68	43.3	11.7	5001
		3-11-69	33.9	21.1	5050
		4-01-69	32.0	23.0	5001
11N/01E-26N01M	66.0	10-17-68	50.9	15.1	5001
		3-10-69	43.9	22.1	5050
		4-01-69	(1)		5001
11N/01E-26N02M	66.0	10-17-68	48.3	17.7	5001
		3-10-69	43.5	22.5	5050
		4-01-69	50.7	15.3	5001
11N/01E-27A01M	65.0	10-17-68	67.4	-2.4	5001
		3-10-69	42.0	23.0	5050
		4-01-69	44.6	20.4	5001
11N/01E-27N02M	63.0	10-16-68	71.3	-8.3	5001
		3-11-69	41.9	21.1	5050
		4-01-69	39.3	23.7	5001
11N/01E-35J01M	58.0	10-17-68	55.9	2.1	5001
		3-11-69	34.6	23.4	5050
		4-01-69	34.7	23.3	5001
11N/02E-16R01M	35.0	10-15-68	20.9	14.1	5050
		3-21-69	10.0	25.0	5050
11N/02E-17P01M	42.0	4-02-69	21.8	20.2	5001
11N/02E-18E01M	34.0	10-31-68	24.1	9.9	5050
		11-29-68	23.4	10.6	5050
		12-27-68	23.0	11.0	5050
		1-30-69	13.9	20.1	5050
		2-27-69	10.2	23.8	5050
		3-27-69	11.0	23.0	5050
		4-25-69	11.4	22.6	5050
		5-29-69	14.8	19.2	5050
		6-27-69	17.9	16.1	5050
		7-29-69	20.4	13.6	5050
		8-28-69	22.0	12.0	5050
		9-30-69	23.2	10.8	5050
11N/02E-18F02M	40.0	10-17-68	40.7	-0.7	5001
		4-02-69	18.4	21.6	5001
11N/02E-18N01M	40.0	10-17-68	44.3	-4.3	5001
		4-02-69	21.2	18.8	5001
11N/02E-20K04M	50.0	10-15-68	49.6	0.4	5050
		3-21-69	31.2	18.8	5050
11N/02E-23M01M	29.0	10-16-68	15.6	13.4	5001
		4-01-69	7.1	21.9	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
YOLO COUNTY 5-21.09 (Continued)					
11N/02E-27E04M	37.0	10-17-68	27.4	9.6	5001
		3-06-69	13.0	24.0	5050
		4-02-69	13.3	23.7	5001
11N/02E-28C01M	42.0	10-17-68	36.3	5.7	5001
		4-02-69	17.4	24.6	5001
11N/02E-29A01M	44.0	10-17-68	39.8	4.2	5001
		3-07-69	23.2	20.8	5050
		4-02-69	20.7	23.3	5001
11N/02E-29N01M	52.0	10-17-68	46.4	5.6	5001
		3-07-69	29.7	22.3	5050
		4-01-69	29.0	23.0	5001
11N/02E-33N01M	43.0	10-17-68	25.2	17.8	5001
		3-07-69	20.2	22.8	5050
		4-02-69	20.2	22.8	5001
11N/02E-35E01M	32.0	10-15-68	20.4	11.6	5050
		3-21-69	5.3	26.7	5050
11N/01W-28D01M	222.0	10-14-68	23.2	198.8	5050
		4-03-69	18.2	203.8	5050
11N/01W-30D01M	237.0	10-14-68	41.0	196.0	5050
		4-03-69	39.9	197.1	5050
11N/01W-34P01M	195.0	10-14-68	18.2	176.8	5050
		4-03-69	16.2	178.8	5050
11N/02W-23A01M	292.0	10-14-68	68.4	223.6	5050
		4-03-69	68.0	224.0	5050
11N/02W-24A01M	250.0	10-14-68	29.5	220.5	5050
		4-03-69	28.3	221.7	5050
11N/02W-26A01M	275.0	10-16-68	72.8	202.2	5104
		3-25-69	72.7	202.3	5104
11N/02W-26J01M	274.0	10-16-68	85.6	188.4	5104
		3-25-69	81.0	193.0	5104
11N/02W-35E01M	305.0	10-16-68	(1)		5104
		3-25-69	108.3	196.7	5104
12N/01E-10H01M	25.6	10-16-68	5.2	20.4	5001
		3-12-69	4.5	21.1	5050
		4-01-69	4.8	20.8	5001
12N/01E-15Q01M	20.7	10-16-68	18.5	2.2	5001
		3-12-69	5.7	15.0	5050
		4-01-69	6.3	14.4	5001
12N/02E-30F01M	26.0	10-16-68	8.4	17.6	5001
		3-12-69	0.8	25.2	5050
		4-01-69	3.8	22.2	5001
12N/01W-01G01M	35.0	10-16-68	21.7	13.3	5001
		4-01-69	16.0	19.0	5001
12N/01W-05B01M	137.9	10-16-68	122.4	15.5	5001
		10-31-68	122.2	15.7	5050
		11-29-68	121.6	16.3	5050
		12-27-68	120.3	17.6	5050
		1-30-69	118.6	19.3	5050
		2-27-69	114.7	23.2	5050
		3-27-69	112.8	25.1	5050
		4-01-69	113.5	24.4	5001
		4-25-69	113.3	24.6	5050
		5-29-69	115.0	22.9	5050
		6-27-69	117.8	20.1	5050
		7-29-69	119.7	18.2	5050
		8-28-69	121.8	16.1	5050
		9-30-69	121.4	16.5	5050
12N/01W-06J01M	165.0	10-16-68	(2) 198.5	-33.5	5001
		3-14-69	133.5	31.5	5050
		4-01-69	134.1	30.9	5001
12N/01W-09E01M	110.2	10-16-68	106.9	3.3	5001
		3-14-69	85.9	24.3	5050
		4-01-69	84.9	25.3	5001
12N/01W-09R01M	79.2	10-17-68	65.8	13.4	5001
		3-13-69	64.3	14.9	5050
		4-01-69	63.8	15.4	5001
12N/01W-14M01M	43.5	10-16-68	40.1	3.4	5001
		3-14-69	25.1	18.4	5050
		4-01-69	24.6	18.9	5001
12N/01W-22R01M	51.0	10-31-68	48.8	2.2	5050
		11-29-68	45.1	5.9	5050
		12-27-68	43.7	7.3	5050
		1-30-69	42.2	8.8	5050
		2-27-69	40.9	10.1	5050
		3-27-69	39.7	11.3	5050
		4-25-69	41.4	9.6	5050
		5-29-69	(1)		5050
		6-27-69	51.0	0.0	5050
		7-29-69	54.7	-3.7	5050
		8-28-69	52.6	-1.6	5050
		9-30-69	47.2	3.8	5050
12N/01W-24F01M	36.1	10-16-68	17.7	18.4	5001
		3-13-69	10.8	25.3	5050
		4-01-69	12.0	24.1	5001
YOLO COUNTY 5-21.09 (Continued)					
12N/01W-26L02M	50.0	10-16-68	54.4	-4.4	5001
		3-14-69	36.2	13.8	5050
		4-01-69	32.3	17.7	5001
12N/01W-36K01M	40.0	10-16-68	52.3	-12.3	5001
		3-13-69	29.8	10.2	5050
		4-01-69	29.5	10.5	5001
CAPAY VALLEY 5-21.10					
10N/02W-07A01M	280.0	10-16-68	16.1	263.9	5104
		3-25-69	13.7	266.3	5104
10N/02W-18F01M	334.0	10-16-68	19.8	314.2	5104
		3-25-69	(1)		5104
10N/03W-02R01M	335.0	10-16-68	37.9	297.1	5104
		3-25-69	25.8	309.2	5104
10N/03W-13E01M	385.0	10-16-68	34.0	351.0	5104
		3-25-69	24.5	360.5	5104
10N/03W-24B01M	430.0	10-16-68	19.7	410.3	5104
		3-25-69	17.5	412.5	5104
11N/03W-03L01M	345.0	10-16-68	11.4	333.6	5104
		3-25-69	6.0	339.0	5104
11N/03W-04P01M	409.0	10-16-68	74.9	334.1	5104
		3-25-69	36.0	373.0	5104
11N/03W-09Q01M	415.0	10-16-68	(1)		5104
		3-25-69	(9)		5104
11N/03W-15G01M	330.0	10-16-68	9.9	320.1	5104
		3-25-69	12.7	317.3	5104
11N/03W-22B01M	327.0	10-16-68	22.6	304.4	5104
		3-25-69	19.2	307.8	5104
11N/03W-23N01M	317.0	10-16-68	20.8	296.2	5104
		3-25-69	16.3	300.7	5104
11N/03W-26M03M	308.0	10-16-68	35.1	272.9	5104
		3-25-69	28.1	279.9	5104
11N/03W-34C01M	370.0	10-16-68	37.0	333.0	5104
		3-25-69	38.5	331.5	5104
11N/03W-35J01M	292.0	10-16-68	18.9	273.1	5104
		3-25-69	8.8	283.2	5104
11N/03W-36M01M	286.0	10-16-68	17.1	268.9	5104
		3-25-69	11.6	274.4	5104
12N/03W-18G02M	435.0	10-16-68	36.3	398.7	5104
		3-25-69	33.9	401.1	5104
12N/03W-20D01M	402.0	10-16-68	20.1	381.9	5104
		3-25-69	17.4	384.6	5104
12N/03W-29K01M	400.0	10-16-68	(9)		5104
		3-25-69	8.0	392.0	5104
12N/03W-32Q01M	410.0	10-16-68	49.3	360.7	5104
		3-25-69	27.5	382.5	5104
12N/03W-33F01M	361.0	10-16-68	21.1	339.9	5104
		3-25-69	12.6	348.4	5104
12N/04W-12R01M	446.0	10-16-68	22.9	423.1	5104
		3-25-69	21.3	424.7	5104
SOLANO COUNTY 5-21.11					
4N/01E-02G02M	40.0	10-09-68	(9)		5109
		3-10-69	(0)		5109
4N/01E-12A01M	78.0	10-13-68	11.0	67.0	5050
		3-25-69	1.4	76.6	5050
4N/02E-09A01M	39.0	10-09-68	21.9	17.1	5109
		3-10-69	21.2	17.8	5109
5N/01E-02E01M	25.0	10-07-68	8.7	16.3	5109
		3-11-69	4.0	21.0	5109
5N/01E-03P01M	35.0	10-14-68	15.1	19.9	5050
		3-24-69	10.3	24.7	5050
5N/01E-06G01M	58.0	10-14-68	30.2	27.8	5050
		3-24-69	27.7	30.3	5050
5N/01E-11R01M	24.5	10-14-68	(1)		5050
		3-24-69	13.4	11.1	5050
5N/01E-21E01M	36.0	10-10-68	10.6	25.4	5109
		3-11-69	4.9	31.1	5109
5N/01E-22C01M	33.0	10-10-68	15.8	17.2	5109
		3-11-69	6.2	26.8	5109
5N/01E-26M02M	19.0	10-09-68	4.3	14.7	5109
		3-10-69	FLOW		5109
5N/01E-36A01M	24.0	10-08-68	10.8	13.2	5109
		3-10-69	4.8	19.2	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-36A02M	23.0	10-16-68	10.9	12.1	5050
		11-20-68	10.3	12.7	5050
		12-13-68	11.2	11.8	5050
		1-15-69	10.9	12.1	5050
		2-19-69	4.4	18.6	5050
		3-24-69	4.6	18.4	5050
		4-17-69	5.2	17.8	5050
		5-14-69	6.2	16.8	5050
		6-18-69	7.7	15.3	5050
		7-15-69	8.4	14.6	5050
		8-18-69	9.2	13.8	5050
		9-15-69	9.7	13.3	5050
5N/02E-06A01M	14.0	10-07-68	10.5	3.5	5109
		3-11-69	8.8	5.2	5109
5N/02E-07R01M	15.0	10-07-68	15.4	-0.4	5109
		3-10-69	10.2	4.8	5109
5N/02E-19M01M	12.0	10-08-68	16.3	-4.3	5109
		3-10-69	10.0	2.0	5109
5N/02E-31J01M	31.0	10-09-68	15.8	15.2	5109
		3-10-69	13.3	17.7	5109
5N/02E-33G01M	13.0	10-09-68	9.0	4.0	5109
		3-10-69	3.6	9.4	5109
5N/02E-36N01M	0.7	10-09-68	6.2	-5.5	5109
		3-10-69	3.4	-2.7	5109
5N/01W-02B01M	97.0	10-14-68	17.1	79.9	5050
		3-24-69	(1) 19.3	77.7	5050
5N/01W-12H01M	62.0	10-14-68	23.6	38.4	5050
		3-24-69	21.5	40.5	5050
6N/01E-02B01M	46.0	10-15-68	53.7	-7.7	5050
		3-25-69	26.4	19.6	5050
6N/01E-06D01M	77.0	10-07-68	14.1	62.9	5109
		3-07-69	8.8	68.2	5109
6N/01E-08J02M	60.0	10-15-68	18.0	42.0	5050
		3-25-69	(6)		5050
6N/01E-10H01M	52.0	10-15-68	11.6	40.4	5050
		3-25-69	6.2	45.8	5050
6N/01E-12M01M	40.0	10-16-68	29.9	10.1	5050
		11-20-68	31.6	8.4	5050
		12-13-68	32.0	8.0	5050
		1-15-69	32.3	7.7	5050
		2-19-69	22.7	17.3	5050
		3-24-69	19.8	20.2	5050
		4-17-69	20.8	19.2	5050
		5-14-69	20.1	19.9	5050
		6-18-69	20.0	20.0	5050
		7-15-69	18.4	21.6	5050
		8-18-69	17.6	22.4	5050
		9-15-69	19.0	21.0	5050
6N/01E-12M03M	40.0	10-15-68	57.1	-17.1	5050
		3-24-69	40.2	-0.2	5050
6N/01E-18N01M	72.7	10-07-68	7.3	65.4	5109
		3-11-69	2.7	70.0	5109
6N/01E-22D01M	44.6	10-07-68	9.1	35.5	5109
		3-11-69	3.5	41.1	5109
6N/01E-24L02M	32.0	10-15-68	18.5	13.5	5050
		3-25-69	11.3	20.7	5050
6N/01E-27G01M	43.0	10-07-68	12.1	30.9	5109
		3-11-69	12.9	30.1	5109
6N/01E-27G02M	41.2	10-07-68	9.8	31.4	5109
		3-11-69	9.7	31.5	5109
6N/01E-31A01M	60.0	10-14-68	19.3	40.7	5050
		3-24-69	15.9	44.1	5050
6N/01E-33L01M	43.0	10-07-68	11.6	31.4	5109
		10-16-68	12.0	31.0	5050
		11-20-68	12.1	30.9	5050
		12-13-68	12.0	31.0	5050
		1-15-69	12.0	31.0	5050
		2-19-69	10.4	32.6	5050
		3-11-69	10.4	32.6	5109
		3-24-69	10.4	32.6	5050
		4-17-69	10.4	32.6	5050
		5-14-69	10.8	32.2	5050
		6-18-69	(1)		5050
		7-15-69	11.9	31.1	5050
		8-19-69	(1) 13.7	29.3	5050
		9-15-69	13.6	29.4	5050
6N/02E-02M03M	25.0	10-16-68	32.5	-7.5	5050
		3-25-69	27.1	-2.1	5050
6N/02E-08B01M	25.7	10-16-68	57.2	-31.5	5050
		11-20-68	62.2	-36.5	5050
		12-13-68	51.9	-26.2	5050
		1-15-69	(1)		5050
		2-19-69	46.7	-21.0	5050
		3-24-69	44.0	-18.3	5050
		4-17-69	43.0	-17.3	5050
		5-14-69	(4) 52.2	-26.5	5050
SOLANO COUNTY 5-21.11 (Continued)					
6N/02E-08B01M (Continued)	25.7	6-18-69	(1)		5050
		7-15-69	(4) 56.2	-30.5	5050
		8-18-69	(4) 58.3	-32.6	5050
		9-15-69	(4) 56.9	-31.2	5050
6N/02E-14Q01M	12.0	10-16-68	10.1	1.9	5050
		11-20-68	9.5	2.5	5050
		12-13-68	10.4	1.6	5050
		1-15-69	7.2	4.8	5050
		2-19-69	3.4	8.6	5050
		3-24-69	6.3	5.7	5050
		4-17-69	7.9	4.1	5050
		5-14-69	16.7	-4.7	5050
		6-18-69	12.0	0.0	5050
		7-15-69	14.2	-2.2	5050
		8-18-69	14.9	-2.9	5050
		9-15-69	16.7	-4.7	5050
6N/02E-20H02M	20.0	10-15-68	43.0	-23.0	5050
		3-25-69	30.8	-10.8	5050
6N/02E-26D01M	8.0	10-07-68	8.6	-0.6	5109
		3-11-69	6.1	1.9	5109
6N/02E-29N01M	19.0	10-07-68	18.5	0.5	5109
		10-15-68	18.5	0.5	5050
		3-11-69	9.0	10.0	5109
		3-25-69	9.7	9.3	5050
6N/01W-01B01M	82.0	10-07-68	30.0	52.0	5109
		10-16-68	28.4	53.6	5050
		11-20-68	23.8	58.2	5050
		12-13-68	22.4	59.6	5050
		1-15-69	22.0	60.0	5050
		2-19-69	20.5	61.5	5050
		3-07-69	19.8	62.2	5109
		3-24-69	18.4	63.6	5050
		4-17-69	20.0	62.0	5050
		5-14-69	21.3	60.7	5050
		6-18-69	22.0	60.0	5050
		7-15-69	(2) 23.8	58.2	5050
		8-18-69	23.0	59.0	5050
		9-15-69	(2) 35.8	46.2	5050
6N/01W-09L02M	175.0	10-08-68	2.5	172.5	5109
		3-11-69	FLOW		5109
6N/01W-10R01M	100.0	10-16-68	38.8	61.2	5050
		3-25-69	31.3	68.7	5050
6N/01W-10R04M	100.0	10-14-68	36.8	63.2	5050
		3-25-69	31.2	68.8	5050
6N/01W-12Q01M	77.0	10-15-68	9.5	67.5	5050
		3-25-69	8.0	69.0	5050
6N/01W-13R01M	74.5	10-15-68	7.5	67.0	5050
		3-25-69	3.5	71.0	5050
6N/01W-15N01M	130.0	10-14-68	143.9	-13.9	5050
		3-25-69	123.7	6.3	5050
6N/01W-15P01M	123.0	10-14-68	122.7	0.3	5050
		3-26-69	108.0	15.0	5050
6N/01W-20D01M	201.0	10-08-68	20.4	180.6	5109
		3-11-69	19.6	181.4	5109
6N/01W-21A01M	138.0	10-08-68	29.7	108.3	5109
		3-10-69	22.6	115.4	5109
6N/01W-21R01M	135.0	10-08-68	13.4	121.6	5109
		3-10-69	FLOW		5109
6N/01W-23B01M	93.0	10-11-68	30.0	63.0	5109
		3-11-69	22.6	70.4	5109
6N/01W-23C01M	100.0	10-11-68	39.5	60.5	5109
		3-11-69	32.4	67.6	5109
6N/01W-24N01M	88.0	10-14-68	36.5	51.5	5050
		3-25-69	33.5	54.5	5050
6N/01W-24N02M	90.0	10-14-68	96.7	-6.7	5050
		3-25-69	84.0	6.0	5050
6N/01W-26J02M	88.0	10-11-68	(6)		5109
7N/01E-01M02M	64.0	10-23-68	25.8	38.2	5001
		4-11-69	22.1	41.9	5001
7N/01E-03G01M	82.0	10-23-68	41.3	40.7	5001
		4-11-69	33.8	48.2	5001
7N/01E-04P03M	89.0	10-23-68	23.7	65.3	5001
		4-09-69	20.5	68.5	5001
7N/01E-05F01M	91.3	10-23-68	25.1	66.2	5001
		4-09-69	22.6	68.7	5001
7N/01E-08F03M	86.0	10-24-68	15.2	70.8	5001
		4-16-69	11.1	74.9	5001
7N/01E-10E01M	78.5	10-23-68	23.6	54.9	5001
		4-09-69	22.5	56.0	5001
7N/01E-11M01M	75.0	10-23-68	33.5	41.5	5001
		4-09-69	31.7	43.3	5001

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

SOLANO COUNTY 5-21.11 (Continued)

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
7N/01E-12N02M	64.0	10-15-68	32.0	32.0	5050
		10-22-68	32.1	31.9	5001
		11-20-68	32.0	32.0	5050
		12-13-68	32.2	31.8	5050
		1-15-69	32.3	31.7	5050
		2-19-69	28.7	35.3	5050
		3-24-69	26.7	37.3	5050
		4-09-69	27.0	37.0	5001
		4-17-69	26.9	37.1	5050
		5-14-69	25.8	38.2	5050
		6-18-69	25.4	38.6	5050
		7-15-69	25.2	38.8	5050
		8-18-69	26.7	37.3	5050
		9-15-69	27.5	36.5	5050
7N/01E-16A01M	79.0	10-23-68	21.8	57.2	5001
		4-09-69	17.4	61.6	5001
7N/01E-17R01M	77.0	10-24-68	9.9	67.1	5001
		4-16-69	7.7	69.3	5001
7N/01E-20D01M	85.0	10-24-68	8.8	76.2	5001
		4-16-69	5.9	79.1	5001
7N/01E-21A01M	74.0	10-23-68	23.3	50.7	5001
		4-09-69	14.7	59.3	5001
7N/01E-21A02M	74.0	10-23-68	17.6	56.4	5001
		4-09-69	7.5	66.5	5001
7N/01E-22D03M	71.0	10-23-68	49.0	22.0	5001
		4-09-69	23.9	47.1	5001
7N/01E-24N03M	55.0	10-22-68	37.8	17.2	5001
		4-09-69	31.2	23.8	5001
7N/01E-26Q02M	55.0	10-23-68	51.3	3.7	5001
		4-09-69	27.5	27.5	5001
7N/01E-29P01M	74.0	10-23-68	10.4	63.6	5001
		4-09-69	8.0	66.0	5001
7N/01E-30M01M	87.0	10-24-68	20.0	67.0	5001
		4-16-69	13.6	73.4	5001
7N/01E-33A01M	65.0	10-23-68	44.0	21.0	5001
		4-09-69	23.0	42.0	5001
7N/01E-33R01M	60.0	10-16-68	9.3	50.7	5050
		11-20-68	7.5	52.5	5050
		12-13-68	10.2	49.8	5050
		1-15-69	7.2	52.8	5050
		2-19-69	0.8	59.2	5050
		3-24-69	2.8	57.2	5050
		4-17-69	4.3	55.7	5050
		5-14-69	5.5	54.5	5050
		6-18-69	5.6	54.4	5050
		7-15-69	6.2	53.8	5050
		8-18-69	7.0	53.0	5050
		9-15-69	7.5	52.5	5050
7N/02E-02B02M	34.0	10-22-68	77.6	-43.6	5001
		4-08-69	49.2	-15.2	5001
		9-29-69	68.9	-34.9	5001
7N/02E-04A02M	50.0	10-22-68	105.1	-55.1	5001
		4-09-69	(1)		5001
7N/02E-04M03M	52.5	10-22-68	94.5	-42.0	5001
		4-09-69	72.6	-20.1	5001
7N/02E-07G03M	55.0	10-23-68	39.2	15.8	5001
		4-09-69	34.6	20.4	5001
		9-29-69	39.1	15.9	5001
7N/02E-09F01M	51.0	10-23-68	94.0	-43.0	5001
		4-09-69	68.2	-17.2	5001
7N/02E-12C01M	27.0	10-23-68	74.9	-47.9	5001
		4-08-69	53.8	-26.8	5001
		9-29-69	76.6	-49.6	5001
7N/02E-12C02M	28.0	10-22-68	75.5	-47.5	5001
		4-08-69	53.6	-25.6	5001
		9-29-69	78.3	-50.3	5001
7N/02E-14F02M	31.0	10-22-68	80.1	-49.1	5001
		4-08-69	64.9	-33.9	5001
		9-29-69	80.5	-49.5	5001
7N/02E-15J01M	34.0	10-22-68	DRY		5001
		4-08-69	(0)		5001
7N/02E-19E02M	50.3	10-23-68	56.4	-6.1	5001
		4-09-69	39.4	10.9	5001
		9-29-69	48.3	2.0	5001
7N/02E-21F02M	46.0	10-23-68	84.3	-38.3	5001
		4-10-69	62.0	-16.0	5001
		9-29-69	84.2	-38.2	5001
7N/02E-24N01M	23.0	10-16-68	35.4	-12.4	5050
		11-20-68	35.3	-12.3	5050
		12-13-68	35.0	-12.0	5050
		1-15-69	34.5	-11.5	5050
		2-19-69	33.0	-10.0	5050
		3-24-69	31.5	-8.5	5050
		4-17-69	30.5	-7.5	5050
		5-14-69	29.8	-6.8	5050
		6-18-69	30.5	-7.5	5050

SOLANO COUNTY 5-21.11 (Continued)

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
7N/02E-24N01M	23.0	7-15-69	30.3	-7.3	5050
(Continued)		8-18-69	(1) 31.0	-8.0	5050
		9-15-69	(1) 31.2	-8.2	5050
7N/02E-26Q01M	27.5	10-22-68	57.5	-30.0	5001
		4-08-69	34.9	-7.4	5001
		9-29-69	40.8	-13.3	5001
7N/02E-26Q02M	27.5	10-22-68	52.8	-25.3	5001
		4-08-69	38.8	-11.3	5001
		9-29-69	47.7	-20.2	5001
7N/02E-30N03M	43.0	10-23-68	64.8	-21.8	5001
		4-09-69	43.1	-0.1	5001
		9-29-69	64.7	-21.7	5001
7N/02E-33D02M	33.0	10-22-68	73.3	-40.3	5001
		4-08-69	46.9	-13.9	5001
		9-29-69	73.7	-40.7	5001
7N/02E-34C02M	35.0	10-22-68	71.1	-36.1	5001
		4-08-69	47.7	-12.7	5001
		9-29-69	66.7	-31.7	5001
7N/01W-01E02M	103.0	10-18-68	27.2	75.8	5001
		3-11-69	21.1	81.9	5001
7N/01W-01E03M	103.0	10-18-68	29.2	73.8	5001
		3-11-69	22.9	80.1	5001
7N/01W-04D01M	145.0	10-18-68	54.6	90.4	5001
		4-14-69	41.9	103.1	5001
		9-30-69	51.5	93.5	5001
7N/01W-05R01M	170.0	10-18-68	74.0	96.0	5001
		4-14-69	58.3	111.7	5001
		9-30-69	(1)		5001
7N/01W-06E01M	157.0	10-17-68	56.1	100.9	5001
		3-11-69	49.8	107.2	5001
7N/01W-13A01M	103.0	10-24-68	15.6	87.4	5001
		4-16-69	12.6	90.4	5001
7N/01W-13H01M	105.0	10-24-68	17.8	87.2	5001
		4-16-69	14.2	90.8	5001
7N/01W-15G01M	128.0	10-24-68	31.8	96.2	5001
		4-16-69	20.6	107.4	5001
7N/01W-16G01M	230.0	10-24-68	119.3	110.7	5001
		4-16-69	119.0	111.0	5001
7N/01W-17Q01M	225.0	10-24-68	54.8	170.2	5001
		4-16-69	50.2	174.8	5001
7N/01W-21G01M	154.0	10-24-68	63.9	90.1	5001
		4-16-69	56.5	97.5	5001
7N/01W-21Q01M	150.0	10-24-68	DRY		5001
		4-16-69	27.6	122.4	5001
7N/01W-34K01M	125.0	10-08-68	58.0	67.0	5109
		3-07-69	59.7	65.3	5109
7N/01W-35R01M	91.0	10-24-68	14.3	76.7	5001
		4-16-69	14.8	76.2	5001
8N/01E-15P01M	84.0	10-21-68	43.0	41.0	5001
		4-11-69	29.0	55.0	5001
		9-30-69	38.2	45.8	5001
8N/01E-17K01M	100.0	10-17-68	43.0	57.0	5001
		3-11-69	33.4	66.6	5001
8N/01E-19K01M	104.0	10-17-68	(7)		5001
		3-11-69	40.4	63.6	5001
8N/01E-20G01M	98.0	10-17-68	42.8	55.2	5001
		3-11-69	34.4	63.6	5001
8N/01E-22N01M	83.0	10-17-68	33.6	49.4	5001
		3-11-69	24.8	58.2	5001
8N/01E-23C01M	84.2	10-18-68	(9)		5001
		4-10-69	39.2	45.0	5001
8N/01E-23Q01M	73.0	10-18-68	47.3	25.7	5001
		3-11-69	32.3	40.7	5001
8N/01E-24Q01M	68.0	10-18-68	67.8	0.2	5001
		4-10-69	40.7	27.3	5001
8N/01E-27G02M	80.0	10-18-68	35.3	44.7	5001
		4-11-69	27.0	53.0	5001
8N/01E-28G01M	92.0	10-18-68	38.3	53.7	5001
		3-11-69	31.5	60.5	5001
8N/01E-29D01M	103.0	10-21-68	43.3	59.7	5001
		4-11-69	37.7	65.3	5001
8N/01E-30G02M	110.0	10-21-68	45.8	64.2	5001
		4-14-69	39.7	70.3	5001
		9-30-69	44.9	65.1	5001
8N/01E-32E01M	100.0	10-18-68	37.1	62.9	5001
		3-11-69	31.9	68.1	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)					
8N/01E-33A01M	84.0	10-18-68	26.7	57.3	5001
		4-11-69	23.1	60.9	5001
8N/01E-33H01M	82.0	10-18-68	28.6	53.4	5001
		3-11-69	23.1	58.9	5001
8N/01E-33Q02M	86.0	10-15-68	26.1	59.9	5050
		11-20-68	27.4	58.6	5050
		12-12-68	28.0	58.0	5050
		1-15-69	29.0	57.0	5050
		2-19-69	27.8	58.2	5050
		3-24-69	26.1	59.9	5050
		4-17-69	23.7	62.3	5050
		5-14-69	20.2	65.8	5050
		6-18-69	(1)		5050
		7-15-69	17.6	68.4	5050
		8-18-69	(1) 18.8	67.2	5050
		9-15-69	20.4	65.6	5050
8N/01E-33Q03M	85.7	10-18-68	23.6	62.1	5001
		3-11-69	23.8	61.9	5001
8N/01E-35K01M	73.0	10-21-68	62.7	10.3	5001
		3-11-69	37.2	35.8	5001
8N/02E-19F01M	70.0	10-18-68	69.8	0.2	5001
		3-13-69	50.6	19.4	5001
8N/02E-24N01M	37.5	10-21-68	54.2	-16.7	5001
		3-14-69	30.0	7.5	5001
8N/02E-25B01M	35.0	10-15-68	55.9	-20.9	5050
		11-20-68	46.0	-11.0	5050
		12-13-68	44.0	-9.0	5050
		1-15-69	40.1	-5.1	5050
		2-19-69	31.0	4.0	5050
		3-24-69	25.9	9.1	5050
		4-17-69	40.2	-5.2	5050
		5-14-69	53.0	-18.0	5050
		6-18-69	60.0	-25.0	5050
		7-15-69	65.3	-30.3	5050
		8-18-69	64.8	-29.8	5050
		9-15-69	59.8	-24.8	5050
8N/02E-27C01M	50.0	10-21-68	63.1	-13.1	5001
		3-14-69	39.7	10.3	5001
8N/02E-27Q02M	45.0	10-21-68	70.4	-25.4	5001
		4-08-69	42.0	3.0	5001
		9-29-69	(1)		5001
8N/02E-29K01M	55.0	10-21-68	64.5	-9.5	5001
		3-13-69	40.4	14.6	5001
8N/02E-30H02M	62.0	10-21-68	63.7	-1.7	5001
		3-13-69	42.9	19.1	5001
8N/02E-31D01M	65.0	10-21-68	(1)		5001
		3-13-69	41.1	23.9	5001
8N/02E-32M01M	60.3	10-22-68	74.6	-14.3	5001
		4-09-69	48.7	11.6	5001
8N/02E-35F03M	41.0	10-21-68	73.8	-32.8	5001
		3-14-69	49.2	-8.2	5001
8N/02E-35G02M	35.0	10-21-68	72.0	-37.0	5001
		4-08-69	42.5	-7.5	5001
		9-29-69	68.5	-33.5	5001
8N/01W-22J01M	89.8	10-16-68	(9)		5001
		3-11-69	(9)		5001
8N/01W-22P01M	129.0	10-17-68	56.1	72.9	5001
		3-11-69	41.2	87.8	5001
8N/01W-22R02M	125.5	10-17-68	51.8	73.7	5001
		3-11-69	39.9	85.6	5001
8N/01W-23B01M	123.1	10-21-68	47.8	75.3	5001
		4-14-69	34.2	88.9	5001
		9-30-69	45.3	77.8	5001
8N/01W-24P01M	117.0	10-21-68	45.2	71.8	5001
		4-14-69	39.2	77.8	5001
		9-30-69	47.0	70.0	5001
8N/01W-25A02M	114.0	10-21-68	46.0	68.0	5001
		4-14-69	47.0	67.0	5001
		9-30-69	46.4	67.6	5001
8N/01W-26A01M	120.0	10-17-68	53.8	66.2	5001
		3-11-69	42.1	77.9	5001
8N/01W-26D05M	126.2	10-15-68	52.7	73.5	5001
		3-17-69	40.6	85.6	5001
8N/01W-26K02M	116.0	10-17-68	44.0	72.0	5001
		3-11-69	35.6	80.4	5001
8N/01W-27H01M	123.0	10-18-68	49.3	73.7	5001
		4-15-69	35.9	87.1	5001
		9-30-69	47.1	75.9	5001
8N/01W-27L01M	133.0	10-17-68	(1)		5001
		3-11-69	35.0	98.0	5001
SOLANO COUNTY 5-21.11 (Continued)					
8N/01W-28J01M	138.0	10-15-68	53.7	84.3	5050
		11-20-68	48.7	89.3	5050
		12-12-68	47.3	90.7	5050
		1-15-69	45.2	92.8	5050
		2-19-69	37.2	100.8	5050
		3-24-69	39.6	98.4	5050
		4-17-69	41.0	97.0	5050
		5-14-69	(7)		5050
		6-18-69	48.8	89.2	5050
		7-15-69	(2) 55.6	82.4	5050
		8-18-69	51.6	86.4	5050
		9-15-69	55.3	82.7	5050
8N/01W-28J02M	138.0	10-17-68	52.2	85.8	5001
		3-11-69	37.9	100.1	5001
8N/01W-28K01M	105.5	10-15-68	10.0	95.5	5001
		3-17-69	1.1	104.4	5001
8N/01W-28R03M	140.0	10-17-68	50.3	89.7	5001
		3-11-69	36.6	103.4	5001
8N/01W-32H01M	140.0	10-17-68	43.8	96.2	5001
		3-11-69	33.1	106.9	5001
8N/01W-33A01M	134.7	10-18-68	(9)		5001
		3-11-69	35.1	99.6	5001
8N/01W-33B02M	136.0	10-18-68	48.8	87.2	5001
		4-15-69	39.6	96.4	5001
		9-30-69	50.2	85.8	5001
8N/01W-33H01M	130.8	10-17-68	40.8	90.0	5001
		3-11-69	34.5	96.3	5001
8N/01W-34A01M	120.0	10-17-68	47.2	72.8	5001
		4-15-69	38.3	81.7	5001
8N/01W-34H01M	121.0	10-18-68	44.3	76.7	5001
		4-15-69	36.0	85.0	5001
8N/01W-35G02M	111.0	10-24-68	37.8	73.2	5001
		4-15-69	32.9	78.1	5001
8N/01W-36H01M	102.0	10-24-68	33.3	68.7	5001
		4-15-69	25.8	76.2	5001
SAN JOAQUIN VALLEY 5-22.00					
MOKELUMNE RIVER AREA 5-22.01					
2N/06E-01A01M	37.6	10-10-68	41.7	-4.1	5050
		3-28-69	37.9	-0.3	5050
2N/06E-03D03M	22.0	10-15-68	28.1	-6.1	5110
		4-04-69	25.4	-3.4	5110
2N/06E-04E01M	17.0	10-01-68	33.7	-16.7	5110
		4-01-69	29.1	-12.1	5110
2N/06E-04F01M	18.0	10-01-68	32.8	-14.8	5110
		4-01-69	27.8	-9.8	5110
2N/06E-08C02M	13.0	10-01-68	24.1	-11.1	5110
		4-01-69	21.5	-8.5	5110
2N/06E-08F01M	9.6	10-15-68	24.5	-14.9	5110
		4-08-69	16.3	-6.7	5110
2N/06E-09C02M	18.0	10-10-68	29.2	-11.2	5050
		3-28-69	21.8	-3.8	5050
2N/06E-11E11M	23.5	10-01-68	14.1	9.4	8201
		3-03-69	20.5	3.0	8201
2N/06E-12H01M	31.8	10-10-68	28.8	3.0	5050
		3-28-69	33.7	-1.9	5050
2N/06E-13M01M	26.7	10-09-68	25.5	1.2	5110
		4-10-69	33.0	-6.3	5110
2N/06E-13R02M	30.0	10-09-68	45.7	-15.7	5110
		4-10-69	44.7	-14.7	5110
2N/06E-15J01M	20.3	10-15-68	28.7	-8.4	5110
		4-08-69	29.7	-9.4	5110
2N/06E-16E03M	12.0	10-01-68	51.6	-39.6	5110
		4-01-69	38.7	-26.7	5110
2N/06E-16L01M	11.5	10-15-68	38.3	-26.8	5110
		4-04-69	30.2	-18.7	5110
2N/06E-17A01M	12.0	10-01-68	44.1	-32.1	5110
		4-01-69	27.1	-15.1	5110
2N/06E-17J01M	11.2	10-09-68	39.1	-27.9	5050
		3-19-69	(1)		5050
2N/06E-20A01M	7.5	10-09-68	39.2	-31.7	5050
		3-19-69	28.3	-20.8	5050
2N/06E-20F01M	14.8	10-09-68	29.5	-14.7	5050
		3-19-69	17.8	-3.0	5050
2N/06E-20J01M	7.0	10-01-68	47.9	-40.9	5110
		4-01-69	29.6	-22.6	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)					
2N/06E-20L01M	4.0	10-01-68	36.2	-32.2	5110
		4-01-69	22.0	-18.0	5110
2N/06E-21C01M	10.0	10-01-68	61.8	-51.8	5110
		4-01-69	40.7	-30.7	5110
2N/06E-21C02M	10.0	10-01-68	68.5	-58.5	5110
		4-01-69	38.5	-28.5	5110
2N/06E-21F01M	10.0	10-01-68	58.3	-48.3	5110
		4-01-69	34.8	-24.8	5110
2N/06E-21G01M	11.0	10-01-68	60.6	-49.6	5110
		4-01-69	38.0	-27.0	5110
2N/06E-21K01M	13.0	10-27-68	63.0	-50.0	4701
		2-26-69	56.0	-43.0	4701
2N/06E-21P01M	11.0	10-27-68	50.0	-39.0	4701
		2-26-69	30.0	-19.0	4701
2N/06E-22B01M	17.0	10-27-68	45.0	-28.0	4701
		2-26-69	50.0	-33.0	4701
2N/06E-22D01M	17.2	10-09-68	51.7	-34.5	5050
		3-19-69	41.3	-24.1	5050
2N/06E-24J02M	30.1	10-09-68	54.4	-24.3	5110
		4-10-69	49.4	-19.3	5110
2N/06E-24J03M	26.8	10-10-68	48.6	-21.8	5050
		3-28-69	45.6	-18.8	5050
2N/06E-26H01M	22.8	10-08-68	63.8	-41.0	5110
		4-10-69	47.3	-24.5	5110
2N/06E-27B01M	16.0	10-27-68	55.0	-39.0	4701
		2-26-69	50.0	-34.0	4701
2N/06E-28E03M	7.2	10-28-68	33.5	-26.3	5050
		11-25-68	29.6	-22.4	5050
		12-23-68	29.4	-22.2	5050
		1-31-69	26.4	-19.2	5050
		2-24-69	23.7	-16.5	5050
		3-24-69	23.8	-16.6	5050
		4-22-69	27.7	-20.5	5050
		5-26-69	32.8	-25.6	5050
		6-24-69	34.3	-27.1	5050
		7-29-69	37.4	-30.2	5050
		8-28-69	38.8	-31.6	5050
		9-28-69	36.8	-29.6	5050
2N/06E-28P01M	7.0	10-10-68	27.8	-20.8	5050
		3-28-69	18.9	-11.9	5050
2N/06E-29N01M	1.0	10-10-68	10.7	-9.7	5050
		3-28-69	5.8	-4.8	5050
3N/05E-03J01M	7.0	10-10-68	7.5	-0.5	5050
		3-28-69	(1)		5050
3N/05E-13L01M	12.0	10-15-68	20.0	-8.0	5110
		4-07-69	11.5	0.5	5110
3N/05E-14C01M	6.7	10-15-68	9.5	-2.8	5110
		4-07-69	7.0	-0.3	5110
3N/05E-24L01M	8.0	10-10-68	(1)		5050
		10-31-68	17.5	-9.5	5050
		3-28-69	6.6	1.4	5050
3N/06E-01J01M	51.8	10-01-68	38.1	13.7	8201
		3-03-69	35.7	16.1	8201
3N/06E-01N02M	46.8	10-01-68	39.5	7.3	8201
		3-03-69	35.5	11.3	8201
3N/06E-01R13M	53.1	10-01-68	46.9	6.2	8201
		3-03-69	41.4	11.7	8201
3N/06E-03K11M	41.0	10-28-68	28.4	12.6	5050
		11-25-68	28.8	12.2	5050
		12-23-68	29.2	11.8	5050
		1-27-69	29.6	11.4	5050
		2-24-69	28.3	12.7	5050
		3-24-69	27.4	13.6	5050
		4-22-69	27.4	13.6	5050
		5-26-69	27.4	13.6	5050
		6-24-69	28.7	12.3	5050
3N/06E-04C01M	35.0	10-10-68	19.9	15.1	5050
		3-28-69	19.0	16.0	5050
3N/06E-07H03M	23.4	10-15-68	(8)		5110
		4-07-69	20.9	2.5	5110
3N/06E-09F06M	32.0	10-15-68	30.0	2.0	5110
		4-07-69	26.0	6.0	5110
3N/06E-12P01M	45.0	10-15-68	52.4	-7.4	5110
		4-07-69	47.0	-2.0	5110
3N/06E-12Q32M	48.8	10-01-68	51.3	-2.5	8201
		3-03-69	47.9	0.9	8201
3N/06E-13R08M	45.6	10-10-68	53.4	-7.8	5050
		3-31-69	46.4	-0.8	5050
3N/06E-17D11M	23.8	10-01-68	33.3	-9.5	8201
		3-03-69	27.1	-3.3	8201
MOKELUMNE RIVER AREA 5-22.01 (Continued)					
3N/06E-20Q01M	18.0	10-15-68	46.1	-28.1	5110
		4-08-69	31.0	-13.0	5110
3N/06E-22D01M	27.0	10-15-68	35.3	-8.3	5110
		4-07-69	26.5	0.5	5110
3N/06E-24M01M	39.9	10-10-68	47.2	-7.3	5050
		3-28-69	43.2	-3.3	5050
3N/06E-25H11M	41.0	10-02-68	47.2	-6.2	8201
		4-01-69	45.2	-4.2	8201
3N/06E-25R05M	39.6	10-10-68	51.5	-11.9	5050
		3-31-69	44.1	-4.5	5050
3N/06E-26P02M	32.4	10-15-68	37.9	-5.5	5110
		4-07-69	34.6	-2.2	5110
3N/06E-27E01M	25.3	10-15-68	38.2	-12.9	5110
		4-07-69	32.5	-7.2	5110
3N/06E-29C01M	17.2	10-15-68	44.6	-27.4	5110
		4-08-69	23.5	-6.3	5110
3N/06E-30R01M	12.0	10-15-68	33.2	-21.2	5110
		4-08-69	20.2	-8.2	5110
3N/06E-32R01M	15.0	10-15-68	33.9	-18.9	5110
		4-08-69	22.5	-7.5	5110
3N/06E-35P02M	28.4	10-28-68	25.8	2.6	5050
		11-25-68	26.6	1.8	5050
		12-23-68	27.6	0.8	5050
		1-27-69	28.1	0.3	5050
		2-24-69	27.1	1.3	5050
		3-24-69	26.9	1.5	5050
		4-22-69	27.1	1.3	5050
		5-26-69	28.4	0.0	5050
		6-24-69	28.4	0.0	5050
3N/06E-36R02M	38.0	10-02-68	43.8	-5.8	8201
		3-03-69	39.6	-1.6	8201
3N/07E-02C02M	84.6	10-04-68	60.1	24.5	8201
		3-03-69	56.2	28.4	8201
3N/07E-02G01M	84.0	10-29-68	79.0	5.0	5050
		11-26-68	77.3	6.7	5050
		12-24-68	76.3	7.7	5050
		1-28-69	74.8	9.2	5050
		2-25-69	73.8	10.2	5050
		3-25-69	73.1	10.9	5050
		4-23-69	73.2	10.8	5050
		5-27-69	76.3	7.7	5050
		6-25-69	80.8	3.2	5050
3N/07E-03C01M	83.2	10-03-68	DRY		8201
		1-07-69	DRY		8201
3N/07E-03R01M	74.8	10-14-68	73.1	1.7	5110
		4-07-69	64.6	10.2	5110
3N/07E-06Q04M	57.0	10-14-68	49.1	7.9	5110
		4-07-69	42.5	14.5	5110
3N/07E-07H01M	52.6	10-02-68	53.1	-0.5	8201
		3-03-69	46.4	6.2	8201
3N/07E-08B12M	64.4	10-03-68	58.5	5.9	8201
		3-03-69	52.5	11.9	8201
3N/07E-08E02M	60.0	10-14-68	59.0	1.0	5110
		4-07-69	52.5	7.5	5110
3N/07E-09C01M	68.3	10-14-68	(9)		5110
		11-01-68	63.6	4.7	5050
		4-07-69	60.0	8.3	5110
3N/07E-10L04M	72.8	10-03-68	75.9	-3.1	8201
		11-01-68	69.4	3.4	8201
		12-02-68	71.7	1.1	8201
		1-07-69	70.6	2.2	8201
		2-06-69	69.4	3.4	8201
		3-03-69	68.7	4.1	8201
		4-02-69	67.6	5.2	8201
		5-01-69	(7)		8201
		6-02-69	72.9	-0.1	8201
		7-01-69	77.2	-4.4	8201
		8-01-69	(7)		8201
		9-02-69	78.0	-5.2	8201
3N/07E-12P01M	77.0	10-09-68	88.3	-11.3	5050
		3-27-69	78.4	-1.4	5050
3N/07E-17K02M	57.0	10-14-68	64.1	-7.1	5110
		4-07-69	57.5	-0.5	5110
3N/07E-18D12M	50.0	10-10-68	54.2	-4.2	5050
		3-28-69	48.3	1.7	5050
3N/07E-18N12M	47.4	10-02-68	55.6	-8.2	8201
		3-03-69	47.9	-0.5	8201
3N/07E-19N02M	42.0	10-10-68	55.4	-13.4	5050
		3-31-69	46.1	-4.1	5050
3N/07E-20P02M	49.9	10-14-68	74.5	-24.6	5110
		4-07-69	55.0	-5.1	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	10-03-68	83.7	-17.1	8201
		3-03-69	71.9	-5.3	8201
3N/07E-23C02M	72.0	10-14-68	80.5	-8.5	5110
		4-07-69	72.5	-0.5	5110
3N/07E-25C01M	70.1	10-10-68	(9)		5110
		11-01-68	81.7	-11.6	5050
		4-09-69	82.8	-12.7	5110
3N/07E-25G01M	75.7	10-10-68	94.0	-18.3	5110
		4-09-69	80.0	-4.3	5110
3N/07E-27F13M	61.1	10-03-68	76.1	-15.0	8201
		3-03-69	69.4	-8.3	8201
3N/07E-31B01M	41.0	10-14-68	56.2	-15.2	5110
		4-07-69	48.5	-7.5	5110
3N/08E-03R01M	146.0	10-11-68	97.5	48.5	5110
		4-09-69	93.5	52.5	5110
3N/08E-04Q01M	120.6	10-07-68	118.2	2.4	8201
		1-09-69	115.9	4.7	8201
3N/08E-05B02M	108.0	10-07-68	108.2	-0.2	8201
		1-09-69	102.4	5.6	8201
3N/08E-05K11M	107.5	10-07-68	113.2	-5.7	8201
		1-09-69	107.0	0.5	8201
3N/08E-07D02M	86.0	10-09-68	(1)		5050
		3-27-69	(1)		5050
3N/08E-08E01M	95.8	10-11-68	(1)		5110
		4-09-69	97.8	-2.0	5110
3N/08E-09Q11M	126.3	10-04-68	130.4	-4.1	8201
		1-09-69	128.2	-1.9	8201
3N/08E-15L01M	127.7	10-07-68	132.2	-4.5	8201
		1-09-69	127.6	0.1	8201
3N/08E-19C01M	82.0	10-10-68	104.5	-22.5	5110
		4-10-69	88.5	-6.5	5110
3N/08E-20B01M	97.0	10-29-68	109.0	-12.0	5050
		11-26-68	106.8	-9.8	5050
		12-24-68	104.2	-7.2	5050
		1-28-69	104.6	-7.6	5050
		2-25-69	103.7	-6.7	5050
		3-25-69	103.2	-6.2	5050
		4-23-69	104.7	-7.7	5050
		5-27-69	108.0	-11.0	5050
		6-25-69	111.1	-14.1	5050
3N/08E-20K01M	92.7	10-03-68	105.3	-12.6	8201
		1-07-69	100.2	-7.5	8201
3N/08E-22A01M	136.5	10-11-68	(1)		5110
		4-09-69	(7)		5110
3N/08E-30H01M	84.9	10-10-68	93.1	-8.2	5110
		4-10-69	87.6	-2.7	5110
4N/05E-01H11M	19.9	10-10-68	(1) 39.8	-19.9	5050
		3-28-69	9.3	10.6	5050
4N/05E-03D02M	7.8	10-14-68	14.1	-6.3	5110
		4-08-69	4.5	3.3	5110
4N/05E-05C02M	5.0	10-14-68	(7)		5110
		4-08-69	(7)		5110
4N/05E-05H01M	4.0	10-14-68	7.5	-3.5	5110
		4-08-69	3.5	0.5	5110
4N/05E-09D01M	0.0	10-14-68	5.3	-5.3	5110
		4-08-69	1.8	-1.8	5110
4N/05E-10K01M	6.3	10-14-68	7.8	-1.5	5110
		4-08-69	4.3	2.0	5110
4N/05E-13H01M	19.6	10-14-68	19.2	0.4	5110
		4-07-69	5.6	14.0	5110
4N/05E-16K01M	2.0	10-10-68	4.7	-2.7	5050
		3-28-69	4.8	-2.8	5050
4N/05E-22A01M	8.2	10-14-68	4.2	4.0	5110
		4-08-69	3.1	5.1	5110
4N/05E-24C02M	14.0	10-14-68	9.2	4.8	5110
		4-08-69	4.0	10.0	5110
4N/05E-26K02M	13.0	10-14-68	5.1	7.9	5110
		10-28-68	5.5	7.5	5050
		11-25-68	6.0	7.0	5050
		12-23-68	5.7	7.3	5050
		1-27-69	1.7	11.3	5050
		2-24-69	1.5	11.5	5050
		3-24-69	4.0	9.0	5050
		4-07-69	5.0	8.0	5110
		4-22-69	5.2	7.8	5050
		5-26-69	5.1	7.9	5050
		6-24-69	4.3	8.7	5050
4N/05E-36P01M	16.0	10-14-68	(5)		5110
		10-31-68	14.8	1.2	5050
		4-11-69	5.8	10.2	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/06E-03A12M	48.3	10-02-68	71.8	-23.5	8201
		1-03-69	56.4	-8.1	8201
4N/06E-05Q01M	30.0	10-10-68	50.4	-20.4	5050
		3-28-69	23.9	6.1	5050
4N/06E-05R11M	34.0	10-10-68	49.0	-15.0	5050
		3-28-69	28.3	5.7	5050
4N/06E-06N12M	21.0	10-10-68	26.3	-5.3	5050
		3-28-69	12.6	8.4	5050
4N/06E-07B11M	26.0	10-10-68	30.6	-4.6	5050
		3-28-69	16.4	9.6	5050
4N/06E-11B01M	47.0	10-07-68	68.2	-21.2	5001
		4-07-69	56.7	-9.7	5001
4N/06E-12C04M	55.0	10-11-68	73.7	-18.7	5110
		4-07-69	67.0	-12.0	5110
4N/06E-12N02M	52.0	10-11-68	69.1	-17.1	5110
		4-07-69	56.8	-4.8	5110
4N/06E-12R11M	57.9	10-02-68	71.6	-13.7	8201
		3-03-69	65.8	-7.9	8201
4N/06E-13G01M	56.0	10-11-68	64.3	-8.3	5110
		4-07-69	57.0	-1.0	5110
4N/06E-15B02M	40.0	10-14-68	46.7	-6.7	5110
		4-07-69	38.7	1.3	5110
4N/06E-17D01M	23.8	10-14-68	26.6	-2.8	5110
		4-07-69	9.0	14.8	5110
4N/06E-19F01M	21.8	10-10-68	18.5	3.3	5050
		3-28-69	6.6	15.2	5050
4N/06E-19R11M	26.7	10-01-68	18.4	8.3	8201
		3-03-69	10.8	15.9	8201
4N/06E-21D01M	31.0	10-10-68	22.9	8.1	5050
		3-28-69	13.9	17.1	5050
4N/06E-22M01M	38.2	10-14-68	27.1	11.1	5110
		4-07-69	20.5	17.7	5110
4N/06E-23M01M	45.2	10-02-68	41.2	4.0	8201
		3-03-69	36.3	8.9	8201
4N/06E-24F01M	55.0	10-14-68	55.4	-0.4	5110
		4-07-69	49.0	6.0	5110
4N/06E-25R01M	55.0	10-10-68	49.0	6.0	5110
		4-07-69	38.5	16.5	5110
4N/06E-27D02M	34.5	10-14-68	18.5	16.0	5110
		4-07-69	7.5	27.0	5110
4N/06E-29A01M	33.0	10-14-68	16.8	16.2	5110
		4-07-69	12.2	20.8	5110
4N/06E-29N02M	26.0	10-14-68	18.1	7.9	5110
		4-08-69	12.0	14.0	5110
4N/06E-31P01M	24.0	10-14-68	16.7	7.3	5110
		4-08-69	11.5	12.5	5110
4N/06E-33B04M	36.0	10-10-68	18.2	17.8	5050
		3-28-69	13.8	22.2	5050
4N/06E-34R30M	43.2	10-01-68	22.8	20.4	8201
		3-03-69	23.3	19.9	8201
4N/06E-36D02M	49.1	10-02-68	31.0	18.1	8201
		3-03-69	29.5	19.6	8201
4N/07E-01B01M	105.0	10-09-68	134.8	-29.8	5001
		4-09-69	91.9	13.1	5001
4N/07E-03B01M	93.2	10-09-68	111.1	-17.9	5001
		4-09-69	92.2	1.0	5001
4N/07E-04B12M	85.0	10-11-68	(5)		5110
		4-07-69	(5)		5110
4N/07E-04Q12M	83.4	10-04-68	(1)		8201
		1-08-69	87.2	-3.8	8201
4N/07E-07A01M	68.0	10-11-68	98.9	-30.9	5110
		4-07-69	74.5	-6.5	5110
4N/07E-07H11M	67.6	10-02-68	83.6	-16.0	8201
		1-03-69	78.3	-10.7	8201
4N/07E-09D12M	77.4	10-04-68	93.3	-15.9	8201
		1-08-69	84.4	-7.0	8201
4N/07E-12E01M	105.7	10-14-68	115.4	-9.7	5110
		4-08-69	95.2	10.5	5110
4N/07E-14E01M	93.1	10-14-68	84.0	9.1	5110
		4-09-69	81.0	12.1	5110
4N/07E-14Q02M	98.0	10-09-68	101.3	-3.3	5050
		3-27-69	87.9	10.1	5050
4N/07E-15B11M	91.2	10-04-68	95.0	-3.8	8201
		3-03-69	90.6	0.6	8201

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-17N01M	67.0	10-11-68	77.7	-10.7	5110
		4-07-69	70.3	-3.3	5110
4N/07E-18M01M	57.8	10-28-68	67.2	-9.4	5050
		11-25-68	65.9	-8.1	5050
		12-23-68	64.7	-6.9	5050
		1-27-69	63.5	-5.7	5050
		2-24-69	62.1	-4.3	5050
		3-24-69	61.1	-3.3	5050
		4-22-69	59.9	-2.1	5050
		5-26-69	61.3	-3.5	5050
		6-29-69	66.2	-8.4	5050
		7-29-69	68.4	-10.6	5050
		8-28-69	71.7	-13.9	5050
		9-28-69	67.8	-10.0	5050
4N/07E-18P30M	61.4	10-02-68	68.2	-6.8	8201
		3-03-69	62.1	-0.7	8201
4N/07E-19K01M	62.4	10-11-68	71.0	-8.6	5110
		4-07-69	59.0	3.4	5110
4N/07E-21F01M	78.2	10-14-68	80.0	-1.8	5110
		4-09-69	73.0	5.2	5110
4N/07E-22Q05M	83.8	10-04-68	78.6	5.2	8201
		3-03-69	71.2	12.6	8201
4N/07E-25G15M	88.8	10-04-68	82.8	6.0	8201
		3-03-69	73.1	15.7	8201
4N/07E-27P01M	81.5	10-04-68	43.0	38.5	8201
		3-03-69	36.2	45.3	8201
4N/07E-28J02M	74.8	10-14-68	68.6	6.2	5110
		4-09-69	66.0	8.8	5110
4N/07E-29H01M	70.6	10-04-68	66.5	4.1	8201
		3-03-69	58.9	11.7	8201
4N/07E-30E04M	57.2	10-02-68	52.1	5.1	8201
		3-03-69	45.1	12.1	8201
4N/07E-31M13M	55.2	10-02-68	34.8	20.4	8201
		3-03-69	31.0	24.2	8201
4N/07E-31N11M	45.9	10-02-68	13.6	32.3	8201
		3-03-69	11.6	34.3	8201
4N/07E-33H01M	73.4	10-14-68	40.9	32.5	5110
		4-09-69	38.4	35.0	5110
4N/07E-34F11M	61.6	10-03-68	19.6	42.0	8201
		3-03-69	11.7	49.9	8201
4N/07E-34L03M	85.6	10-03-68	47.4	38.2	8201
		3-03-69	39.3	46.3	8201
4N/07E-36L01M	90.0	10-11-68	(1)		5110
		4-08-69	76.5	13.5	5110
4N/08E-01K01M	170.7	10-08-68	101.6	69.1	8201
		1-15-69	101.7	69.0	8201
4N/08E-04N01M	140.0	10-11-68	(1)		5110
		4-08-69	126.5	13.5	5110
4N/08E-04P13M	139.5	10-08-68	123.5	16.0	8201
		1-10-69	121.2	18.3	8201
4N/08E-06C02M	105.0	10-29-68	106.2	-1.2	5050
		11-26-68	102.0	3.0	5050
		12-24-68	99.6	5.4	5050
		1-28-69	97.3	7.7	5050
		2-25-69	95.9	9.1	5050
		3-25-69	95.0	10.0	5050
		4-23-69	96.6	8.4	5050
		5-27-69	(1)		5050
		6-25-69	106.1	-1.1	5050
4N/08E-06N02M	116.0	10-11-68	(1)		5110
		4-08-69	98.5	17.5	5110
4N/08E-14K01M	150.0	10-11-68	112.9	37.1	5110
		4-08-69	110.4	39.6	5110
4N/08E-17J01M	131.9	10-11-68	131.5	0.4	5110
		4-08-69	114.4	17.5	5110
4N/08E-18L12M	122.4	10-08-68	123.0	-0.6	8201
		1-10-69	118.6	3.8	8201
4N/08E-21M01M	114.0	10-11-68	105.2	8.8	5110
		4-08-69	96.1	17.9	5110
4N/08E-22C01M	126.0	10-11-68	59.7	66.3	5110
		4-08-69	57.7	68.3	5110
4N/08E-24J02M	166.9	10-07-68	(0)		8201
4N/08E-25L01M	192.9	10-07-68	156.1	36.8	8201
		1-17-69	155.4	37.5	8201
4N/08E-26A12M	159.3	10-07-68	124.9	34.4	8201
		1-17-69	124.9	34.4	8201
4N/08E-27J11M	195.4	10-07-68	172.5	22.9	8201
		1-09-69	170.4	25.0	8201
MOKELUMNE RIVER AREA 5-22.01 (Continued)					
4N/08E-28N11M	131.2	10-07-68	118.3	12.9	8201
		1-09-69	112.6	18.6	8201
4N/08E-30A11M	70.3	10-07-68	17.7	52.6	8201
		1-09-69	18.6	51.7	8201
4N/08E-32N01M	105.0	10-11-68	(1)		5110
		11-01-68	106.1	-1.1	5050
		4-08-69	101.0	4.0	5110
4N/08E-34E01M	158.7	10-07-68	145.5	13.2	8201
		1-09-69	142.6	16.1	8201
4N/08E-34Q11M	162.6	10-07-68	146.7	15.9	8201
		1-09-69	145.9	16.7	8201
4N/08E-35P01M	196.0	10-11-68	90.4	105.6	5110
		4-08-69	89.4	106.6	5110
4N/08E-36P01M	209.0	10-29-68	198.4	10.6	5050
		11-26-68	198.6	10.4	5050
		12-24-68	198.3	10.7	5050
		1-28-69	198.3	10.7	5050
		2-25-69	198.4	10.6	5050
		3-25-69	198.5	10.5	5050
		4-23-69	198.6	10.4	5050
		5-27-69	199.2	9.8	5050
		6-25-69	199.0	10.0	5050
4N/09E-06L11M	125.6	10-08-68	11.1	114.5	8201
		1-15-69	7.8	117.8	8201
4N/09E-07K02M	172.7	10-08-68	33.6	139.1	8201
		1-11-69	32.7	140.0	8201
4N/09E-15M11M	191.6	10-09-68	30.4	161.2	8201
		1-14-69	27.0	164.6	8201
4N/09E-16D13M	191.4	10-09-68	8.7	182.7	8201
		3-05-69	4.4	187.0	8201
4N/09E-20M01M	238.8	10-10-68	143.3	95.5	8201
		1-16-69	142.5	96.3	8201
4N/09E-21A01M	216.4	10-09-68	57.6	158.8	8201
		1-14-69	56.9	159.5	8201
4N/09E-28C02M	313.4	10-09-68	139.1	174.3	8201
		1-15-69	135.8	177.6	8201
4N/09E-31M01M	250.0	10-11-68	(1)		5110
		4-08-69	218.7	31.3	5110
5N/05E-28L03M	6.0	10-14-68	9.4	-3.4	5110
		4-08-69	3.0	3.0	5110
5N/05E-32H01M	1.5	10-14-68	8.3	-6.8	5110
		4-08-69	5.7	-4.2	5110
5N/06E-36R01M	63.1	10-11-68	86.4	-23.3	5110
		4-07-69	74.4	-11.3	5110
5N/07E-31J01M	71.5	10-09-68	90.3	-18.8	5001
		10-11-68	88.0	-16.5	5110
		4-07-69	76.5	-5.0	5110
		4-09-69	77.3	-5.8	5001
5N/07E-34G01M	88.8	10-11-68	(1)		5110
		11-01-68	100.3	-11.5	5050
		4-08-69	86.6	2.2	5110
5N/08E-16Q01M	125.0	10-11-68	102.3	22.7	5050
		4-02-69	99.7	25.3	5050
5N/08E-24Q11M	257.2	10-15-68	178.4	78.8	8201
		4-08-69	174.3	82.9	8201
5N/08E-25P11M	265.7	10-15-68	200.0	65.7	8201
		1-10-69	199.5	66.2	8201
5N/08E-31R01M	137.0	10-11-68	(1)		5110
		11-01-68	134.7	2.3	5050
		4-08-69	125.6	11.4	5110
5N/08E-32R11M	162.1	10-10-68	154.8	7.3	8201
		1-10-69	147.9	14.2	8201
5N/08E-34G11M	224.8	10-15-68	196.2	28.6	8201
		1-10-69	196.3	28.5	8201
5N/08E-35K12M	188.6	10-08-68	141.1	47.5	8201
		1-10-69	141.4	47.2	8201
CALAVERAS RIVER AREA 5-22.02					
1N/06E-01J01M	22.0	10-27-68	94.0	-72.0	4701
		2-26-69	79.0	-57.0	4701
1N/06E-01L03M	20.0	10-10-68	(1)		5050
		10-22-68	88.4	-68.4	5050
		3-19-69	69.7	-49.7	5050
1N/06E-02C01M	19.0	10-10-68	73.5	-54.5	5050
		3-19-69	59.0	-40.0	5050
1N/06E-02J02M	17.0	10-10-68	(1)		5050
		10-22-68	(4) 86.0	-69.0	5050
		3-19-69	(4) 69.7	-52.7	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
CALAVERAS RIVER AREA 5-22.02 (Continued)					
1N/06E-02M01M	16.0	10-27-68	70.0	-54.0	4701
		2-26-69	59.0	-43.0	4701
1N/06E-02Q01M	16.0	10-27-68	75.0	-59.0	4701
		2-26-69	68.0	-52.0	4701
1N/06E-03C01M	10.0	10-27-68	64.0	-54.0	4701
		2-26-69	50.0	-40.0	4701
1N/06E-03C03M	9.0	10-09-68	62.4	-53.4	5050
		3-19-69	41.6	-32.6	5050
1N/06E-03K01M	11.0	10-10-68	45.3	-34.3	5050
		3-19-69	43.5	-32.5	5050
1N/06E-04B01M	6.0	10-27-68	52.0	-46.0	4701
		2-26-69	36.0	-30.0	4701
1N/06E-04D01M	4.0	10-27-68	45.0	-41.0	4701
		2-26-69	38.0	-34.0	4701
1N/06E-04J01M	8.4	10-09-68	40.5	-32.1	5050
		3-19-69	29.0	-20.6	5050
1N/06E-05F01M	0.0	10-10-68	15.3	-15.3	5050
		3-28-69	5.4	-5.4	5050
1N/06E-10R01M	14.0	10-09-68	57.1	-43.1	5050
		3-19-69	49.2	-35.2	5050
1N/06E-11C01M	14.0	10-10-68	(7)		5050
		3-28-69	58.7	-44.7	5050
1N/06E-11K01M	17.0	10-27-68	86.0	-69.0	4701
		2-26-69	72.0	-55.0	4701
1N/06E-12A01M	23.0	10-27-68	100.0	-77.0	4701
		2-26-69	86.0	-63.0	4701
1N/06E-12C03M	21.0	10-27-68	86.0	-65.0	4701
		2-26-69	(0)		4701
1N/06E-12G01M	21.2	10-08-68	(4) 114.0	-92.8	5050
		3-19-69	77.2	-56.0	5050
1N/06E-12J01M	22.5	10-28-68	90.4	-67.9	5050
		11-25-68	87.5	-65.0	5050
		12-23-68	85.4	-62.9	5050
		1-27-69	82.8	-60.3	5050
		2-24-69	81.0	-58.5	5050
		3-24-69	79.3	-56.8	5050
		4-22-69	78.8	-56.3	5050
		5-26-69	80.0	-57.5	5050
		6-24-69	80.9	-58.4	5050
1N/06E-12N01M	19.0	10-27-68	85.0	-66.0	4701
		2-26-69	75.0	-56.0	4701
1N/06E-13G01M	19.0	10-10-68	77.9	-58.9	5050
		3-19-69	67.5	-48.5	5050
1N/06E-13J01M	20.0	10-27-68	84.0	-64.0	4701
		2-26-69	74.0	-54.0	4701
1N/06E-14Q03M	14.3	10-28-68	57.2	-42.9	5050
		11-25-68	55.8	-41.5	5050
		12-23-68	54.5	-40.2	5050
		1-27-69	53.2	-38.9	5050
		2-24-69	50.5	-36.2	5050
		3-24-69	48.1	-33.8	5050
		4-22-69	47.6	-33.3	5050
		5-26-69	49.9	-35.6	5050
		6-24-69	50.5	-36.2	5050
		7-29-69	52.4	-38.1	5050
		8-28-69	55.3	-41.0	5050
		9-28-69	55.5	-41.2	5050
1N/06E-15N02M	5.0	10-10-68	28.2	-23.2	5050
		3-28-69	20.2	-15.2	5050
1N/06E-16H01M	4.0	10-10-68	42.2	-38.2	5050
		3-28-69	24.5	-20.5	5050
1N/06E-17A01M	4.0	10-10-68	16.2	-12.2	5050
		3-28-69	7.2	-3.2	5050
1N/06E-23D01M	9.0	10-10-68	40.9	-31.9	5050
		3-28-69	30.0	-21.0	5050
1N/06E-23D02M	9.0	10-10-68	40.6	-31.6	5050
		3-28-69	30.1	-21.1	5050
1N/07E-01A02M	62.0	4-10-69	82.0	-20.0	5550
1N/07E-01J02M	60.0	4-10-69	82.0	-22.0	5550
1N/07E-01M01M	54.2	10-07-68	(3)		5110
		4-03-69	(3)		5110
1N/07E-02F01M	48.0	4-10-69	74.0	-26.0	5550
1N/07E-02G01M	50.0	4-10-69	83.0	-33.0	5550
1N/07E-03L01M	43.0	4-10-69	69.5	-26.5	5550
1N/07E-03M01M	41.0	4-10-69	70.0	-29.0	5550
1N/07E-04N01M	34.0	4-10-69	76.0	-42.0	5550

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-04P03M	35.4	10-07-68	93.5	-58.1	5110
		4-03-69	77.4	-42.0	5110
1N/07E-04R01M	39.0	4-10-69	75.5	-36.5	5550
1N/07E-05A01M	33.0	10-27-68	85.0	-52.0	4701
		2-26-69	80.0	-47.0	4701
1N/07E-05N01M	28.0	10-27-68	92.0	-64.0	4701
		2-26-69	82.0	-54.0	4701
1N/07E-07E01M	25.0	10-27-68	(7)		4701
		2-26-69	90.0	-65.0	4701
1N/07E-07F01M	25.8	10-08-68	(1)		5050
		3-19-69	(1)		5050
1N/07E-08B01M	30.0	4-10-69	87.5	-57.5	5550
1N/07E-08R02M	31.5	10-07-68	94.9	-63.4	5110
		4-03-69	87.5	-56.0	5110
1N/07E-09E04M	33.0	4-10-69	84.5	-51.5	5550
1N/07E-09H01M	39.0	4-10-69	80.5	-41.5	5550
1N/07E-09Q03M	38.0	4-10-69	82.0	-44.0	5550
1N/07E-10D01M	39.0	4-10-69	74.0	-35.0	5550
1N/07E-10G01M	43.0	4-10-69	80.0	-37.0	5550
1N/07E-17A01M	31.0	4-10-69	88.5	-57.5	5550
1N/07E-18B01M	26.0	10-27-68	95.0	-69.0	4701
		2-26-69	90.0	-64.0	4701
1N/08E-02B01M	84.0	10-09-68	108.3	-24.3	5050
		3-27-69	96.1	-12.1	5050
1N/08E-02J01M	86.0	10-09-68	112.2	-26.2	5050
		3-27-69	97.9	-11.9	5050
1N/08E-03P01M	80.0	10-08-68	113.1	-33.1	5110
		4-02-69	95.0	-15.0	5110
1N/08E-05J01M	71.0	10-08-68	(1)		5110
		4-02-69	93.5	-22.5	5110
1N/09E-01C01M	191.0	10-08-68	(1)		5110
		11-01-68	144.6	46.4	5050
		4-02-69	142.2	48.8	5110
1N/09E-02D01M	156.0	10-09-68	114.6	41.4	5050
		3-27-69	115.5	40.5	5050
1N/09E-05B01M	139.5	10-09-68	133.2	6.3	5050
		3-27-69	130.7	8.8	5050
1N/09E-05J01M	153.0	10-08-68	(1)		5110
		4-02-69	136.5	16.5	5110
1N/09E-06B01M	136.0	10-09-68	140.1	-4.1	5050
		3-27-69	134.8	1.2	5050
1N/09E-06N01M	118.5	10-08-68	(1)		5110
		11-01-68	133.2	-14.7	5050
		4-03-69	122.5	-4.0	5110
2N/06E-33N01M	4.0	10-27-68	56.0	-52.0	4701
		2-26-69	38.0	-34.0	4701
2N/06E-34K02M	12.0	10-27-68	69.0	-57.0	4701
		2-26-69	52.0	-40.0	4701
2N/06E-34L01M	15.8	10-09-68	72.8	-57.0	5050
		3-19-69	47.7	-31.9	5050
2N/06E-35D02M	17.5	10-09-68	66.6	-49.1	5050
		3-19-69	52.5	-35.0	5050
2N/06E-36A01M	26.0	10-27-68	75.0	-49.0	4701
		2-26-69	65.0	-39.0	4701
2N/06E-36D01M	22.0	10-27-68	73.0	-51.0	4701
		2-26-69	68.0	-46.0	4701
2N/06E-36N02M	20.4	10-09-68	86.6	-66.2	5050
		3-19-69	65.5	-45.1	5050
2N/06E-36R03M	24.0	10-27-68	80.0	-56.0	4701
		2-26-69	77.0	-53.0	4701
2N/07E-03N03M	55.2	10-09-68	(3)		5110
		4-11-69	(4)		5110
2N/07E-05E01M	41.1	10-14-68	60.1	-19.0	5110
		4-07-69	49.6	-8.5	5110
2N/07E-05R01M	46.0	10-09-68	67.9	-21.9	5110
		4-10-69	62.9	-16.9	5110
2N/07E-06L03M	37.0	10-01-68	46.1	-9.1	5110
		4-01-69	43.4	-6.4	5110
2N/07E-06P02M	36.0	10-01-68	48.6	-12.6	5110
		4-01-69	53.6	-17.6	5110
2N/07E-07C03M	36.0	10-01-68	44.0	-8.0	5110
		4-01-69	45.1	-9.1	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-07J05M	37.0	10-01-68	59.3	-22.3	5110
		4-01-69	50.8	-13.8	5110
2N/07E-07K04M	36.0	10-01-68	56.6	-20.6	5110
		4-01-69	49.1	-13.1	5110
2N/07E-07R05M	37.0	10-09-68	57.2	-20.2	5110
		4-01-69	47.5	-10.5	5110
2N/07E-08D01M	42.0	10-09-68	58.0	-16.0	5110
		4-10-69	50.7	-8.7	5110
2N/07E-08K03M	44.5	10-09-68	66.5	-22.0	5110
		4-10-69	57.0	-12.5	5110
2N/07E-08R01M	46.0	10-28-68	66.4	-20.4	5050
		11-25-68	65.6	-19.6	5050
		12-23-68	65.0	-19.0	5050
		1-27-69	64.1	-18.1	5050
		2-24-69	63.0	-17.0	5050
		3-24-69	61.5	-15.5	5050
		4-22-69	60.4	-14.4	5050
		5-26-69	62.4	-16.4	5050
		6-24-69	65.3	-19.3	5050
2N/07E-09B02M	54.0	10-09-68	73.9	-19.9	5110
		4-10-69	64.4	-10.4	5110
2N/07E-11F01M	58.0	10-09-68	78.6	-20.6	5110
		4-11-69	70.0	-12.0	5110
2N/07E-12A01M	72.2	10-09-68	(7)		5110
		11-01-68	87.4	-15.2	5050
		4-11-69	78.0	-5.8	5110
2N/07E-12A03M	72.2	10-29-68	87.4	-15.2	5050
		11-25-68	85.6	-13.4	5050
		12-23-68	84.4	-12.2	5050
		1-28-69	82.7	-10.5	5050
		2-24-69	81.4	-9.2	5050
		3-24-69	80.8	-8.6	5050
		4-22-69	81.0	-8.8	5050
		5-27-69	96.7	-24.5	5050
		6-24-69	98.1	-25.9	5050
2N/07E-14P01M	57.3	10-08-68	88.8	-31.5	5110
		4-03-69	74.8	-17.5	5110
2N/07E-15C01M	51.7	10-10-68	94.5	-42.8	5110
		4-10-69	70.0	-18.3	5110
2N/07E-16L01M	46.2	10-10-68	74.0	-27.8	5110
		4-10-69	67.5	-21.3	5110
2N/07E-18B01M	34.0	10-01-68	51.2	-17.2	5110
		4-01-69	49.3	-15.3	5110
2N/07E-18E01M	33.3	10-10-68	40.3	-7.0	5050
		3-28-69	41.0	-7.7	5050
2N/07E-18H02M	36.0	10-01-68	60.1	-24.1	5110
		4-01-69	56.8	-20.8	5110
2N/07E-18K01M	36.5	10-09-68	55.1	-18.6	5110
		4-10-69	(1)		5110
2N/07E-20N02M	35.0	10-10-68	65.0	-30.0	5110
		4-10-69	59.5	-24.5	5110
2N/07E-21K02M	45.0	4-10-69	69.0	-24.0	5550
2N/07E-21N01M	40.0	4-10-69	69.0	-29.0	5550
2N/07E-22H01M	52.0	4-10-69	75.5	-23.5	5550
2N/07E-23B01M	57.0	4-10-69	79.0	-22.0	5550
2N/07E-23J02M	59.6	10-08-68	94.8	-35.2	5110
		4-03-69	83.2	-23.6	5110
2N/07E-24B01M	65.4	10-08-68	96.5	-31.1	5110
		4-03-69	81.5	-16.1	5110
2N/07E-24J01M	65.0	4-10-69	76.0	-11.0	5550
2N/07E-24Q01M	62.5	4-10-69	84.5	-22.0	5550
2N/07E-26H03M	58.0	4-10-69	81.5	-23.5	5550
2N/07E-26N01M	50.3	10-08-68	95.0	-44.7	5110
		4-03-69	78.0	-27.7	5110
2N/07E-26R01M	56.0	4-10-69	77.0	-21.0	5550
2N/07E-27D01M	46.7	10-08-68	93.7	-47.0	5110
		4-03-69	82.2	-35.5	5110
2N/07E-27G01M	47.0	4-10-69	76.0	-29.0	5550
2N/07E-27L01M	47.0	4-10-69	82.0	-35.0	5550
2N/07E-28K02M	42.0	4-10-69	73.5	-31.5	5550
2N/07E-28N04M	38.0	10-08-68	82.0	-44.0	5110
		4-03-69	71.0	-33.0	5110
2N/07E-28P01M	39.0	4-10-69	72.0	-33.0	5550
2N/07E-29B01M	40.0	4-10-69	67.5	-27.5	5550
CALAVERAS RIVER AREA 5-22.02 (Continued)					
2N/07E-29M02M	34.0	4-10-69	64.0	-30.0	5550
2N/07E-30E01M	28.0	10-09-68	65.0	-37.0	5110
		4-10-69	54.5	-26.5	5110
2N/07E-30H01M	32.5	4-10-69	62.0	-29.5	5550
2N/07E-31R02M	29.0	4-10-69	67.5	-38.5	5550
2N/07E-32J02M	35.0	4-10-69	68.5	-33.5	5550
2N/07E-32M02M	30.0	4-10-69	66.0	-36.0	5550
2N/07E-32R01M	32.0	10-08-68	79.3	-47.3	5110
		4-03-69	75.6	-43.6	5110
2N/07E-33H01M	41.0	10-08-68	85.8	-44.8	5110
		4-03-69	82.0	-41.0	5110
2N/07E-33L01M	38.0	4-10-69	72.0	-34.0	5550
2N/07E-34E01M	44.0	4-10-69	85.0	-41.0	5550
2N/07E-34R01M	47.0	4-10-69	78.0	-31.0	5550
2N/07E-35L01M	49.8	10-07-68	94.5	-44.7	5110
		4-02-69	81.4	-31.6	5110
2N/07E-36N01M	58.7	10-07-68	97.0	-38.3	5110
		4-03-69	81.7	-23.0	5110
2N/07E-36P02M	54.0	10-29-68	91.0	-37.0	5050
		11-25-68	88.5	-34.5	5050
		12-23-68	86.7	-32.7	5050
		1-27-69	84.8	-30.8	5050
		2-24-69	82.4	-28.4	5050
		3-24-69	80.8	-26.8	5050
		4-22-69	79.0	-25.0	5050
		5-27-69	82.7	-28.7	5050
		6-24-69	86.8	-32.8	5050
2N/08E-03G02M	108.8	10-11-68	117.0	-8.2	5110
		4-09-69	107.5	1.3	5110
2N/08E-04C01M	92.0	10-11-68	(3)		5110
		11-01-68	103.7	-11.7	5050
		4-09-69	101.5	-9.5	5110
2N/08E-08N01M	76.7	10-09-68	(3)		5110
		11-01-68	92.0	-15.3	5050
		4-10-69	88.2	-11.5	5110
2N/08E-09G02M	87.0	10-09-68	105.2	-18.2	5110
		4-10-69	96.0	-9.0	5110
2N/08E-10H02M	105.4	10-09-68	116.9	-11.5	5110
		4-10-69	107.0	-1.6	5110
2N/08E-11B01M	106.0	10-09-68	109.2	-3.2	5110
		4-10-69	102.6	3.4	5110
2N/08E-12C02M	109.3	10-07-68	106.5	2.8	5110
		3-26-69	103.5	5.8	5110
2N/08E-13K01M	105.6	10-08-68	112.7	-7.1	5110
		3-26-69	80.2	25.4	5110
2N/08E-14C01M	94.4	10-07-68	107.6	-13.2	5110
		3-26-69	98.4	-4.0	5110
2N/08E-15M02M	84.9	10-07-68	103.9	-19.0	5110
		3-26-69	98.1	-13.2	5110
2N/08E-16D01M	80.5	10-09-68	98.1	-17.6	5110
		4-10-69	87.6	-7.1	5110
2N/08E-18C01M	68.9	10-09-68	97.7	-28.8	5110
		4-10-69	81.9	-13.0	5110
2N/08E-19C03M	67.3	10-08-68	99.0	-31.7	5110
		4-03-69	85.9	-18.6	5110
2N/08E-19P02M	69.2	10-08-68	98.4	-29.2	5110
		4-03-69	87.5	-18.3	5110
2N/08E-20F01M	73.0	10-08-68	102.8	-29.8	5110
		4-03-69	88.8	-15.8	5110
2N/08E-21R01M	79.9	10-07-68	103.4	-23.5	5110
		3-27-69	93.1	-13.2	5110
2N/08E-24P01M	126.0	10-08-68	141.9	-15.9	5110
		4-02-69	128.4	-2.4	5110
2N/08E-25P01M	101.0	10-08-68	117.9	-16.9	5110
		4-02-69	107.0	-6.0	5110
2N/08E-30H01M	69.4	10-08-68	99.9	-30.5	5110
		4-03-69	85.9	-16.5	5110
2N/08E-32L02M	69.5	10-07-68	100.5	-31.0	5110
		4-03-69	88.2	-18.7	5110
2N/08E-33E01M	75.0	10-07-68	104.5	-29.5	5110
		4-03-69	91.0	-16.0	5110
2N/08E-34E01M	82.6	10-08-68	110.9	-28.3	5110
		4-02-69	96.7	-14.1	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/08E-36L01M	97.2	10-28-68	113.5	-16.3	5050
		11-25-68	111.5	-14.3	5050
		12-23-68	109.8	-12.6	5050
		1-27-69	107.9	-10.7	5050
		2-24-69	106.2	-9.0	5050
		3-24-69	105.1	-7.9	5050
		4-29-69	104.3	-7.1	5050
		5-26-69	108.1	-10.9	5050
		6-25-69	110.7	-13.5	5050
		7-29-69	114.4	-17.2	5050
		8-28-69	116.7	-19.5	5050
		9-28-69	117.4	-20.2	5050
2N/09E-03A01M	150.0	10-08-68	57.7	92.3	5110
		3-26-69	56.4	93.6	5110
2N/09E-04N01M	158.1	10-08-68	77.0	81.1	5110
		3-26-69	75.0	83.1	5110
2N/09E-05N01M	132.2	10-08-68	101.0	31.2	5110
		4-02-69	98.5	33.7	5110
2N/09E-05L02M	130.0	10-07-68	106.4	23.6	5110
		10-27-68	106.3	23.7	5050
		11-26-68	106.1	23.9	5050
		12-24-68	105.6	24.4	5050
		1-28-69	105.4	24.6	5050
		2-25-69	105.2	24.8	5050
		3-25-69	105.2	24.8	5050
		3-26-69	108.5	21.5	5110
		4-23-69	104.7	25.3	5050
		5-27-69	106.0	24.0	5050
		6-25-69	106.0	24.0	5050
2N/09E-05N01M	126.1	10-08-68	109.3	16.8	5110
		4-02-69	101.6	24.5	5110
2N/09E-07C02M	117.5	10-08-68	108.2	9.3	5110
		4-02-69	107.5	10.0	5110
2N/09E-08N01M	141.6	10-08-68	(1)		5110
		4-02-69	128.5	13.1	5110
2N/09E-09D01M	132.8	10-08-68	110.6	22.2	5110
		4-02-69	102.1	30.7	5110
2N/09E-11A01M	253.0	10-08-68	166.5	86.5	5110
		3-26-69	165.5	87.5	5110
2N/09E-17C01M	186.0	10-08-68	175.3	10.7	5110
		4-02-69	173.3	12.7	5110
2N/09E-18Q01M	107.1	10-08-68	113.2	-6.1	5110
		4-02-69	108.2	-1.1	5110
2N/09E-22B01M	171.0	10-09-68	123.0	48.0	5050
		3-27-69	123.3	47.7	5050
2N/09E-28N01M	179.5	10-08-68	166.3	13.2	5110
		11-21-68	159.4	20.1	5050
		4-02-69	149.6	29.9	5110
2N/09E-32D01M	154.2	10-09-68	(1)		5050
		3-27-69	145.9	8.3	5050
3N/07E-33G01M	52.0	10-09-68	73.0	-21.0	5110
		4-10-69	60.5	-8.5	5110
3N/07E-35C02M	61.2	10-10-68	77.8	-16.6	5110
		4-09-69	69.0	-7.8	5110
3N/07E-35L01M	64.0	10-10-68	78.0	-14.0	5110
		4-09-69	(1)		5110
3N/07E-36D01M	67.7	10-10-68	87.6	-19.9	5110
		4-09-69	71.5	-3.8	5110
3N/07E-36K02M	74.5	10-10-68	85.0	-10.5	5110
		4-09-69	82.3	-7.8	5110
3N/08E-11M01M	137.5	10-15-68	DRY		8201
		1-17-69	61.6	75.9	8201
3N/08E-11M11M	139.9	10-15-68	132.6	7.3	8201
		1-17-69	131.3	8.6	8201
3N/08E-11N02M	156.0	10-11-68	167.8	-11.8	5110
		4-10-69	157.5	-1.5	5110
3N/08E-12P11M	181.7	10-07-68	165.2	16.5	8201
		1-09-69	165.7	16.0	8201
3N/08E-23F11M	173.1	10-07-68	171.4	1.7	8201
		1-09-69	169.7	3.4	8201
3N/08E-26Q01M	130.0	10-28-68	130.9	-0.9	5050
		11-25-68	129.8	0.2	5050
		12-23-68	129.0	1.0	5050
		1-27-69	128.2	1.8	5050
		2-24-69	127.3	2.7	5050
		3-24-69	127.1	2.9	5050
		4-22-69	127.0	3.0	5050
		5-26-69	128.0	2.0	5050
		6-25-69	129.4	0.6	5050
		7-29-69	131.3	-1.3	5050
		8-28-69	132.5	-2.5	5050
		9-28-69	132.8	-2.8	5050
3N/08E-27R01M	126.4	10-11-68	(1)		5110
		11-01-68	130.5	-4.1	5050
		4-09-69	126.8	-0.4	5110
CALAVERAS RIVER AREA 5-22.02 (Continued)					
3N/08E-32P01M	85.0	10-11-68	114.8	-29.8	5110
		4-09-69	89.4	-4.4	5110
3N/09E-05D01M	280.0	10-11-68	(2)		5110
		4-08-69	(7)		5110
3N/09E-19N01M	180.0	10-09-68	167.3	12.7	5050
		3-27-69	166.4	13.6	5050
3N/09E-21D01M	245.0	10-09-68	205.3	39.7	5050
		3-27-69	204.0	41.0	5050
3N/09E-25R01M	169.8	10-07-68	49.0	120.8	5110
		3-26-69	44.8	125.0	5110
3N/09E-31G01M	192.0	10-09-68	177.1	14.9	5050
		3-27-69	176.5	15.5	5050
3N/09E-33J01M	140.0	10-07-68	84.4	55.6	5110
		3-26-69	75.9	64.1	5110
3N/09E-36G01M	180.4	10-08-68	70.2	110.2	5110
		3-26-69	68.2	112.2	5110
FARMINGTON-COLLEGEVILLE AREA 5-22.03					
1N/06E-23J01M	11.8	10-08-68	(3)		5110
		4-03-69	(3)		5110
1N/06E-24B01M	17.0	10-10-68	65.7	-48.7	5050
		3-28-69	57.6	-40.6	5050
1N/06E-25N02M	19.0	10-09-68	59.3	-40.3	5050
		3-28-69	49.8	-30.8	5050
1N/06E-26A02M	13.0	10-28-68	42.8	-29.8	5050
		11-25-68	41.9	-28.9	5050
		12-23-68	41.1	-28.1	5050
		1-27-69	38.6	-25.6	5050
		2-24-69	33.0	-20.0	5050
		3-24-69	31.1	-18.1	5050
		4-22-69	31.6	-18.6	5050
		5-26-69	33.7	-20.7	5050
		6-24-69	34.2	-21.2	5050
1N/06E-35A02M	16.0	10-08-68	(7)		5110
		4-03-69	(6)		5110
1N/07E-11E01M	48.6	10-08-68	93.9	-45.3	5110
		4-03-69	(3)		5110
1N/07E-11L01M	50.0	4-10-69	80.5	-30.5	5550
1N/07E-12Q01M	54.4	10-08-68	94.7	-40.3	5110
		4-03-69	95.5	-41.1	5110
1N/07E-13E01M	51.0	10-09-68	(6)		5050
1N/07E-14L01M	47.0	10-09-68	90.7	-43.7	5050
		3-28-69	82.1	-35.1	5050
1N/07E-15M02M	38.0	10-09-68	(0)		5110
1N/07E-19R01M	24.0	10-09-68	(3)		5110
		4-04-69	(3)		5110
1N/07E-20G01M	29.0	10-09-68	80.5	-51.5	5110
		4-04-69	72.0	-43.0	5110
1N/07E-21R01M	37.0	10-09-68	79.9	-42.9	5110
		4-04-69	(1)		5110
1N/07E-23H02M	51.0	10-28-68	91.3	-40.3	5050
		11-26-68	90.3	-39.3	5050
		12-23-68	88.4	-37.4	5050
		1-27-69	86.8	-35.8	5050
		2-24-69	85.4	-34.4	5050
		3-24-69	84.2	-33.2	5050
		4-22-69	83.1	-32.1	5050
		5-26-69	84.8	-33.8	5050
		6-24-69	87.8	-36.8	5050
1N/07E-24R01M	57.0	10-07-68	(1)		5110
		4-03-69	98.5	-41.5	5110
1N/07E-27H02M	44.0	10-09-68	(1)		5110
		11-01-68	86.5	-42.5	5050
		4-04-69	90.0	-46.0	5110
1N/07E-28R01M	36.0	10-09-68	76.7	-40.7	5050
		3-28-69	64.9	-28.9	5050
1N/07E-31L01M	21.0	10-09-68	34.9	-13.9	5050
		3-28-69	28.2	-7.2	5050
1N/07E-32A01M	29.5	10-09-68	61.5	-32.0	5050
		3-28-69	53.5	-24.0	5050
1N/07E-35N01M	49.1	10-09-68	75.1	-26.0	5110
		4-04-69	88.6	-39.5	5110
1N/08E-13J01M	94.8	10-08-68	118.1	-23.3	5110
		4-03-69	97.5	-2.7	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
FARMINGTON-COLLEGEVILLE AREA 5-22.03 (Continued)					
1N/08E-13P02M	90.5	10-08-68	121.1	-30.6	5110
		10-28-68	111.6	-21.1	5050
		11-25-68	106.5	-16.0	5050
		12-23-68	103.9	-13.4	5050
		1-27-69	101.0	-10.5	5050
		2-24-69	98.7	-8.2	5050
		3-24-69	97.2	-6.7	5050
		4-03-69	97.5	-7.0	5110
		4-22-69	96.4	-5.9	5050
		5-27-69	106.6	-16.1	5050
		6-24-69	113.6	-23.1	5050
1N/08E-16P01M	73.0	10-09-68	107.8	-34.8	5050
		3-27-69	93.3	-20.3	5050
1N/08E-17D01M	68.7	10-08-68	(1)		5110
		10-31-68	103.9	-35.2	5050
		4-02-69	93.0	-24.3	5110
1N/08E-19B01M	62.2	10-07-68	(4)		5110
		4-03-69	(4)		5110
1N/08E-21M01M	71.0	10-09-68	109.4	-38.4	5050
		3-27-69	93.7	-22.7	5050
1N/08E-22B01M	80.5	10-08-68	115.0	-34.5	5110
		4-02-69	(1)		5110
1N/08E-23J01M	88.7	10-07-68	(3)		5110
		4-03-69	(3)		5110
1N/08E-26A02M	88.7	10-07-68	(9)		5110
		4-03-69	94.0	-5.3	5110
1N/08E-27R02M	78.0	10-07-68	106.7	-28.7	5110
		4-03-69	90.7	-12.7	5110
1N/08E-28K01M	71.0	10-09-68	104.4	-33.4	5050
		3-28-69	87.2	-16.2	5050
1N/08E-29M02M	64.1	10-07-68	104.1	-40.0	5110
		4-03-69	86.1	-22.0	5110
1N/08E-30M01M	57.0	10-09-68	96.3	-39.3	5050
		3-28-69	85.8	-28.8	5050
1N/08E-33H01M	71.6	10-07-68	101.9	-30.3	5110
		4-03-69	87.0	-15.4	5110
1N/08E-33J01M	72.0	10-07-68	103.1	-31.1	5110
		4-03-69	84.5	-12.5	5110
1N/08E-35R02M	82.0	10-07-68	99.7	-17.7	5110
		4-03-69	84.5	-2.5	5110
1N/08E-36F01M	87.0	10-07-68	101.8	-14.8	5110
		4-03-69	87.0	0.0	5110
1N/09E-13D01M	142.0	10-08-68	(1)		5110
		4-02-69	95.0	47.0	5110
1N/09E-15B02M	120.0	10-08-68	97.9	22.1	5110
		4-02-69	98.0	22.0	5110
1N/09E-17D01M	103.0	10-08-68	110.6	-7.6	5110
		4-03-69	97.0	6.0	5110
1N/09E-17M01M	102.2	10-08-68	111.6	-9.4	5110
		4-03-69	97.7	4.5	5110
1N/09E-19C01M	98.5	10-08-68	116.1	-17.6	5110
		4-03-69	96.0	2.5	5110
1N/09E-22G02M	118.0	10-08-68	101.4	16.6	5110
		4-03-69	97.9	20.1	5110
1N/09E-23Q01M	125.0	10-08-68	(8)		5110
		10-28-68	89.2	35.8	5050
		11-25-68	87.8	37.2	5050
		12-23-68	86.8	38.2	5050
		1-27-69	86.1	38.9	5050
		2-24-69	85.2	39.8	5050
		3-24-69	84.9	40.1	5050
		4-03-69	(4)		5110
		4-22-69	85.5	39.5	5050
		5-27-69	89.1	35.9	5050
		6-24-69	90.1	34.9	5050
1N/09E-29A01M	106.5	10-07-68	106.8	-0.3	5110
		4-04-69	84.0	22.5	5110
1N/09E-30C05M	96.0	10-07-68	113.8	-17.8	5110
		4-04-69	88.0	8.0	5110
1N/09E-32J01M	107.5	10-07-68	(1)		5110
		11-01-68	97.3	10.2	5050
		4-04-69	(1)		5110
1N/09E-33P01M	117.3	10-07-68	(7)		5110
		4-04-69	89.0	28.3	5110
1N/09E-36P01M	147.2	10-07-68	(1)		5110
		11-01-68	104.3	42.9	5050
		4-04-69	98.2	49.0	5110
1S/07E-01J01M	53.4	10-09-68	85.2	-31.8	5110
		4-04-69	66.0	-12.6	5110
1S/07E-03A01M	43.1	10-09-68	71.1	-28.0	5110
		4-04-69	55.0	-11.9	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
FARMINGTON-COLLEGEVILLE AREA 5-22.03 (Continued)					
1S/07E-05A01M	28.9	10-09-68	(1)		5110
		4-04-69	37.9	-9.0	5110
1S/07E-06M02M	23.5	10-09-68	25.5	-2.0	5110
		4-03-69	(4)		5110
1S/07E-08J02M	30.9	10-09-68	25.7	5.2	5110
		4-03-69	19.4	11.5	5110
1S/07E-10A01M	41.0	10-09-68	52.4	-11.4	5110
		10-28-68	53.7	-12.7	5050
		11-25-68	51.2	-10.2	5050
		12-23-68	49.6	-8.6	5050
		1-27-69	47.8	-6.8	5050
		2-24-69	45.3	-4.3	5050
		3-24-69	43.5	-2.5	5050
		4-04-69	46.9	-5.9	5110
		4-22-69	41.9	-0.9	5050
		5-26-69	46.0	-5.0	5050
		6-24-69	(1)		5050
1S/07E-12H01M	51.0	10-09-68	68.0	-17.0	5110
		4-04-69	56.5	-5.5	5110
1S/07E-13J01M	48.0	10-09-68	(1)		5110
		10-31-68	(1)		5050
		4-03-69	38.0	10.0	5110
1S/07E-14P02M	44.5	10-09-68	29.0	15.5	5110
		4-03-69	25.0	19.5	5110
1S/07E-15F01M	40.0	10-08-68	(3)		5110
		4-03-69	(3)		5110
1S/08E-06D01M	55.4	10-09-68	(1)		5110
		10-31-68	82.7	-27.3	5050
		4-04-69	71.0	-15.6	5110
1S/08E-08J01M	62.7	10-28-68	75.8	-13.1	5050
		11-25-68	74.6	-11.9	5050
		12-23-68	73.4	-10.7	5050
		1-27-69	71.9	-9.2	5050
		2-24-69	70.7	-8.0	5050
		3-24-69	69.6	-6.9	5050
		4-22-69	70.5	-7.8	5050
		5-26-69	70.8	-8.1	5050
		6-24-69	72.6	-9.9	5050
		7-29-69	75.8	-13.1	5050
		8-28-69	78.8	-16.1	5050
		9-28-69	77.7	-15.0	5050
1S/08E-09A01M	71.0	10-09-68	97.0	-26.0	5110
		4-04-69	78.5	-7.5	5110
1S/08E-11F01M	80.0	10-07-68	93.1	-13.1	5110
		4-04-69	77.7	2.3	5110
1S/08E-15A01M	73.5	10-09-68	84.0	-10.5	5110
		10-28-68	80.1	-6.6	5050
		11-25-68	78.2	-4.7	5050
		12-23-68	76.2	-2.7	5050
		1-27-69	74.4	-0.9	5050
		2-24-69	72.7	0.8	5050
		3-24-69	71.5	2.0	5050
		4-04-69	69.0	4.5	5110
		4-22-69	70.5	3.0	5050
		5-26-69	71.6	1.9	5050
		6-24-69	(1)		5050
1S/08E-21A01M	66.8	10-09-68	63.4	3.4	5110
		4-04-69	54.5	12.3	5110
1S/08E-29H01M	62.5	10-09-68	41.3	21.2	5110
		4-04-69	32.3	30.2	5110
1S/08E-30C01M	52.0	10-09-68	29.0	23.0	5110
		4-03-69	28.5	23.5	5110
1S/09E-02D01M	146.0	10-07-68	111.5	34.5	5110
		4-04-69	100.0	46.0	5110
1S/09E-02J01M	157.0	10-00-68	105.6	51.4	4520
		3-00-69	103.9	53.1	4520
1S/09E-02R01M	162.0	10-07-68	113.7	48.3	5110
		4-04-69	102.7	59.3	5110
1S/09E-05R01M	105.7	10-07-68	92.0	13.7	5110
		4-04-69	81.0	24.7	5110
1S/09E-07N01M	96.2	10-07-68	(8)		5110
		4-04-69	74.0	22.2	5110
1S/09E-09R01M	127.6	10-07-68	101.0	26.6	5110
		4-04-69	81.5	46.1	5110
1S/09E-11J01M	140.0	10-00-68	79.3	60.7	4520
		3-00-69	75.7	64.3	4520
1S/09E-18R03M	103.8	10-07-68	87.3	16.5	5110
		4-04-69	71.3	32.5	5110
1S/09E-19Q01M	97.5	10-07-68	61.5	36.0	5110
		4-04-69	(1)		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
SOUTH SAN JOAQUIN IRRIGATION DISTRICT 5-22.05					
1S/06E-24H02M	23.0	10-08-68	9.5	13.5	5050
		3-26-69	7.9	15.1	5050
1S/07E-17N02M	30.0	10-08-68	9.9	20.1	5050
		3-26-69	11.1	18.9	5050
1S/07E-23N01M	45.0	10-08-68	(4) 17.1	27.9	5050
		3-26-69	16.6	28.4	5050
1S/07E-25R01M	56.0	10-08-68	21.1	34.9	5050
		3-26-69	20.9	35.1	5050
1S/07E-28D01M	34.0	10-28-68	8.0	26.0	5050
		11-25-68	8.3	25.7	5050
		12-23-68	8.9	25.1	5050
		1-27-69	7.7	26.3	5050
		2-24-69	6.8	27.2	5050
		3-24-69	7.6	26.4	5050
		4-22-69	8.3	25.7	5050
		5-26-69	8.2	25.8	5050
		6-24-69	7.2	26.8	5050
1S/07E-29N02M	30.0	10-08-68	7.9	22.1	5050
		3-26-69	6.7	23.3	5050
1S/07E-33H01M	40.0	10-09-68	9.5	30.5	5050
		3-28-68	9.2	30.8	5050
1S/07E-35Q01M	49.0	10-08-68	6.7	42.3	5050
		3-26-69	7.1	41.9	5050
1S/08E-25Q01M	90.5	10-07-68	52.3	38.2	5110
		4-04-69	44.6	45.9	5110
1S/08E-27A01M	75.0	10-08-68	52.7	22.3	5050
		3-26-69	48.6	26.4	5050
1S/08E-33N01M	67.0	10-28-68	30.9	36.1	5050
		11-25-68	30.0	37.0	5050
		12-23-68	29.8	37.2	5050
		1-27-69	29.7	37.3	5050
		2-24-69	29.3	37.7	5050
		3-24-69	28.7	38.3	5050
		4-22-69	28.0	39.0	5050
		5-26-69	27.7	39.3	5050
		6-24-69	28.3	38.7	5050
1S/08E-35R02M	88.0	10-08-68	39.3	48.7	5050
		3-26-69	38.9	49.1	5050
1S/09E-33J01M	125.0	3-26-69	44.0	81.0	5050
1S/09E-36A01M	145.0	10-00-68	53.4	91.6	4520
		3-00-69	53.3	91.7	4520
2S/06E-13G01M	22.0	10-08-68	6.2	15.8	5050
		3-26-69	(6)		5050
2S/07E-07Q01M	28.0	10-08-68	6.0	22.0	5050
		3-26-69	(1) 37.2	-9.2	5050
2S/07E-08R01M	36.9	10-08-68	13.2	23.7	5050
		10-31-68	12.7	24.2	5050
		11-29-68	12.4	24.5	5050
		12-30-68	12.1	24.8	5050
		1-31-69	10.8	26.1	5050
		2-28-69	9.6	27.3	5050
		3-26-69	10.1	26.8	5050
		4-29-69	11.1	25.8	5050
		5-31-69	10.8	26.1	5050
		6-29-69	11.2	25.7	5050
2S/07E-10B01M	46.0	10-08-68	(1)		5050
		10-31-68	14.3	31.7	5050
		3-26-69	12.6	33.4	5050
2S/07E-12G01M	56.0	10-08-68	13.5	42.5	5050
		3-26-69	11.8	44.2	5050
2S/07E-12R01M	55.0	10-28-68	17.8	37.2	5050
		11-25-68	17.7	37.3	5050
		12-23-68	17.8	37.2	5050
		1-27-69	17.3	37.7	5050
		2-24-69	16.2	38.8	5050
		3-24-69	15.6	39.4	5050
		4-22-69	15.9	39.1	5050
		5-26-69	15.8	39.2	5050
		6-24-69	15.9	39.1	5050
2S/07E-12R02M	55.0	10-28-68	14.9	40.1	5050
		11-25-68	14.8	40.2	5050
		12-23-68	14.8	40.2	5050
		1-27-69	14.5	40.5	5050
		2-24-69	13.8	41.2	5050
		3-24-69	13.2	41.8	5050
		4-22-69	13.0	42.0	5050
		5-26-69	13.3	41.7	5050
		6-24-69	13.6	41.4	5050
2S/07E-20R02M	32.0	10-08-68	7.3	24.7	5050
		3-26-69	7.7	24.3	5050
2S/07E-22J01M	44.0	10-08-68	10.2	33.8	5050
		3-26-69	(1)		5050
2S/07E-24R02M	56.0	10-08-68	17.6	38.4	5050
		3-26-69	14.9	41.1	5050
2S/07E-34R01M	45.0	10-08-68	14.3	30.7	5050
		3-26-69	9.6	35.4	5050
SOUTH SAN JOAQUIN IRRIGATION DISTRICT 5-22.05 (Continued)					
2S/08E-09J01M	73.0	10-08-68	17.2	55.8	5050
		3-26-69	18.5	54.5	5050
2S/08E-14E01M	79.0	10-08-68	19.3	59.7	5050
		3-26-69	19.6	59.4	5050
2S/08E-17N01M	64.0	10-08-68	21.1	42.9	5050
		3-26-69	19.7	44.3	5050
2S/09E-02E01M	135.0	10-07-68	42.5	92.5	5110
		10-28-68	39.9	95.1	5050
		11-25-68	40.0	95.0	5050
		12-23-68	40.2	94.8	5050
		1-27-69	40.7	94.3	5050
		2-24-69	40.3	94.7	5050
		3-26-69	40.2	94.8	5050
		4-04-69	42.5	92.5	5110
		4-22-69	40.1	94.9	5050
		5-26-69	40.2	94.8	5050
		6-24-69	40.0	95.0	5050
2S/09E-05C01M	110.0	10-08-68	35.4	74.6	5050
		3-26-69	37.6	72.4	5050
2S/09E-09Q01M	120.0	10-08-68	32.4	87.6	5050
		3-26-69	36.2	83.8	5050
2S/09E-11K01M	139.0	10-08-68	39.0	100.0	5050
		3-26-69	41.0	98.0	5050
2S/09E-18E01M	94.0	10-08-68	17.3	76.7	5050
		3-26-69	24.0	70.0	5050
2S/09E-19B02M	89.0	10-28-68	23.0	66.0	5050
		11-25-68	24.3	64.7	5050
		12-23-68	25.6	63.4	5050
		1-27-69	20.5	68.5	5050
		2-24-69	18.9	70.1	5050
		3-24-69	19.0	70.0	5050
		4-22-69	19.0	70.0	5050
		5-26-69	13.9	75.1	5050
		6-24-69	(1)		5050
DELTA AREA 5-22.52					
1N/06E-27R01M	11.0	10-08-68	31.9	-20.9	5050
		3-26-69	21.4	-10.4	5050
3N/05E-16A01M	-3.0	10-15-68	(3)		5110
		4-07-69	5.2	-8.2	5110
1S/05E-35Q02M	8.0	10-09-68	6.8	1.2	5110
		4-04-69	2.5	5.5	5110
1S/06E-02G02M	16.0	10-08-68	36.8	-20.8	5050
		3-26-69	19.3	-3.3	5050
1S/06E-04A02M	8.5	10-28-68	6.6	1.9	5050
		11-25-68	7.4	1.1	5050
		12-23-68	6.4	2.1	5050
		1-27-69	1.3	7.2	5050
		2-24-69	0.7	7.8	5050
		3-24-69	2.3	6.2	5050
		4-22-69	4.0	4.5	5050
		5-26-69	4.2	4.3	5050
		6-24-69	4.6	3.9	5050
1S/06E-09J01M	7.0	10-08-68	12.3	-5.3	5050
		3-26-69	4.8	2.2	5050
1S/06E-11D01M	14.8	10-28-68	30.0	-15.2	5050
		11-25-68	28.2	-13.4	5050
		12-23-68	27.2	-12.4	5050
		1-27-69	25.4	-10.6	5050
		2-24-69	22.7	-7.9	5050
		3-30-69	20.9	-6.1	5050
		4-29-69	22.6	-7.8	5050
		5-26-69	24.1	-9.3	5050
		6-24-69	25.4	-10.6	5050
		7-29-69	28.4	-13.6	5050
		8-28-69	29.4	-14.6	5050
		9-28-69	28.4	-13.6	5050
1S/06E-12P01M	21.0	10-08-68	22.4	-1.4	5050
		3-26-69	16.0	5.0	5050
1S/06E-22Q02M	10.0	10-28-68	8.5	1.5	5050
		11-25-68	7.7	2.3	5050
		12-23-68	7.3	2.7	5050
		1-27-69	5.1	4.9	5050
		2-24-69	3.1	6.9	5050
		3-24-69	3.5	6.5	5050
		4-22-69	5.1	4.9	5050
		5-26-69	7.6	2.4	5050
		6-24-69	8.3	1.7	5050
1S/06E-34K01M	9.0	10-08-68	(1)		5050
		10-31-68	11.2	-2.2	5050
		3-26-69	4.6	4.4	5050
1S/06E-36C01M	23.0	10-08-68	12.3	10.7	5050
		3-26-69	9.3	13.7	5050
2S/06E-02H01M	20.0	10-08-68	11.3	8.7	5050
		3-26-69	9.7	10.3	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
DELTA AREA 5-22.52 (Continued)					
2S/06E-11J01M	20.0	10-28-68	9.5	10.5	5050
		11-25-68	9.5	10.5	5050
		12-23-68	9.4	10.6	5050
		1-27-69	7.3	12.7	5050
		2-24-69	5.6	14.4	5050
		3-24-69	6.1	13.9	5050
		4-24-69	7.1	12.9	5050
		5-26-69	7.4	12.6	5050
		6-24-69	(1)		5050
2S/06E-25R01M	23.0	10-08-68	8.7	14.3	5050
		3-26-69	4.1	18.9	5050
3S/07E-05J01M	34.0	10-08-68	7.8	26.2	5050
		3-26-69	6.2	27.8	5050
3S/07E-06Q01M	26.0	10-28-68	5.6	20.4	5050
		11-25-68	7.1	18.9	5050
		12-23-68	8.1	17.9	5050
		1-27-69	7.7	18.3	5050
		2-24-69	5.7	20.3	5050
		3-24-69	5.0	21.0	5050
		4-22-69	4.4	21.6	5050
		5-26-69	3.0	23.0	5050
		6-24-69	3.5	22.5	5050
LAHONTAN REGION 6-00.00					
SURPRISE VALLEY 6-01.00					
40N/16E-36G01M	4625.2	10-21-68	80.2	4545.0	5050
		11-20-68	75.6	4549.6	5050
		12-17-68	74.2	4551.0	5050
		2-18-69	69.8	4555.4	5050
		3-18-69	67.2	4558.0	5050
		4-16-69	66.0	4559.2	5050
		5-20-69	64.8	4560.4	5050
		6-16-69	60.7	4564.5	5050
		7-23-69	(1)		5050
		8-19-69	(1)		5050
		9-18-69	76.0	4549.2	5050
41N/16E-27Q01M	4657.2	10-21-68	30.2	4627.0	5050
		11-20-68	25.9	4631.3	5050
		12-17-68	17.2	4640.0	5050
		2-18-69	12.7	4644.5	5050
		3-18-69	15.5	4641.7	5050
		4-16-69	14.4	4642.8	5050
		5-20-69	16.2	4641.0	5050
		6-16-69	16.7	4640.5	5050
		7-23-69	23.3	4633.9	5050
		8-19-69	25.5	4631.7	5050
		9-18-69	28.5	4628.7	5050
41N/16E-35D02M	4621.5	10-21-68	48.6	4572.9	5050
		11-20-68	47.2	4574.3	5050
		12-17-68	47.0	4574.5	5050
		2-18-69	(1)		5050
		3-18-69	46.0	4575.5	5050
		4-16-69	40.4	4581.1	5050
		5-20-69	39.0	4582.5	5050
		6-16-69	38.0	4583.5	5050
		7-23-69	(1)		5050
		8-19-69	(1)		5050
		9-18-69	(1)		5050
42N/16E-17K01M	4651.6	10-21-68	30.2	4621.4	5050
		11-20-68	29.4	4622.2	5050
		12-17-68	29.9	4621.7	5050
		2-18-69	26.4	4625.2	5050
		3-18-69	25.5	4626.1	5050
		4-16-69	24.6	4627.0	5050
		5-20-69	26.0	4625.6	5050
		6-16-69	25.6	4626.0	5050
		7-23-69	(1)		5050
		8-19-69	35.9	4615.7	5050
		9-18-69	34.9	4616.7	5050
43N/16E-17D01M	4687.4	10-21-68	37.2	4650.2	5050
		11-20-68	38.0	4649.4	5050
		12-17-68	38.2	4649.2	5050
		2-18-69	37.2	4650.2	5050
		3-18-69	37.2	4650.2	5050
		4-16-69	36.8	4650.6	5050
		5-20-69	35.6	4651.8	5050
		6-16-69	36.2	4651.2	5050
		7-23-69	35.8	4651.6	5050
		8-19-69	35.5	4651.9	5050
		9-18-69	35.0	4652.4	5050
46N/16E-04Q01M	4600.0	10-21-68	70.0	4530.0	5050
		11-20-68	69.2	4530.8	5050
		12-17-68	69.5	4530.5	5050
		2-18-69	68.2	4531.8	5050
		3-18-69	67.8	4532.2	5050
		4-16-69	67.5	4532.5	5050
		5-20-69	68.2	4531.8	5050
		6-16-69	68.2	4531.8	5050
		7-23-69	70.2	4529.8	5050
		8-19-69	71.8	4528.2	5050
		9-18-69	71.5	4528.5	5050
MADELINE PLAINS 6-02.00					
34N/14E-26H01M	5302.0	10-22-68	29.6	5272.4	5050
		11-21-68	29.5	5272.5	5050
		12-18-68	29.5	5272.5	5050
		2-19-69	29.4	5272.6	5050
		3-19-69	29.0	5273.0	5050
		4-17-69	27.5	5274.5	5050
		5-21-69	27.0	5275.0	5050
		6-17-69	27.0	5275.0	5050
		7-24-69	27.5	5274.5	5050
		8-20-69	(0)		5050
35N/13E-26J02M	5296.0	10-22-68	53.0	5243.0	5050
		11-21-68	52.7	5243.3	5050
		12-18-68	53.0	5243.0	5050
		2-19-69	52.0	5244.0	5050
		3-19-69	52.1	5243.9	5050
		4-17-69	50.0	5246.0	5050
		5-21-69	50.5	5245.5	5050
		6-17-69	50.8	5245.2	5050
		7-24-69	51.0	5245.0	5050
		8-20-69	51.0	5245.0	5050
		9-18-69	51.0	5245.0	5050
37N/13E-09J01M	5342.4	10-22-68	16.0	5326.4	5050
		11-21-68	16.3	5326.1	5050
		12-18-68	16.6	5325.8	5050
		2-19-69	14.7	5327.7	5050
		3-19-69	14.8	5327.6	5050
		4-17-69	12.2	5330.2	5050
		5-21-69	13.2	5329.2	5050
		6-17-69	13.2	5329.2	5050
		7-24-69	13.9	5328.5	5050
		8-20-69	14.0	5328.4	5050
		9-18-69	13.8	5328.6	5050
HONEY LAKE VALLEY 6-04.00					
26N/16E-15E03M	4106.1	10-22-68	51.6	4054.5	5050
		11-21-68	52.4	4053.7	5050
		12-18-68	53.0	4053.1	5050
		2-19-69	55.0	4051.1	5050
		3-19-69	54.8	4051.3	5050
		4-17-69	54.8	4051.3	5050
		5-21-69	55.0	4051.1	5050
		6-17-69	54.7	4051.4	5050
		7-24-69	54.5	4051.6	5050
		8-20-69	52.5	4053.6	5050
		9-17-69	53.5	4052.6	5050
27N/15E-32C01M	4052.8	10-22-68	20.7	4032.1	5050
		11-21-68	21.7	4031.1	5050
		12-18-68	21.2	4031.6	5050
		2-19-69	15.8	4037.0	5050
		3-19-69	15.8	4037.0	5050
		4-17-69	13.2	4039.6	5050
		5-21-69	9.0	4043.8	5050
		6-17-69	7.0	4045.8	5050
		7-24-69	7.5	4045.3	5050
		8-20-69	9.5	4043.3	5050
		9-17-69	12.2	4040.6	5050
28N/13E-11R01M	4068.6	10-22-68	25.2	4043.4	5050
		11-21-68	22.8	4045.8	5050
		12-18-68	21.3	4047.3	5050
		2-19-69	18.0	4050.6	5050
		3-19-69	17.0	4051.6	5050
		4-17-69	17.0	4051.6	5050
		5-21-69	(1)		5050
		6-17-69	20.2	4048.4	5050
		7-24-69	(1)		5050
		8-20-69	(1)		5050
		9-17-69	(1)		5050
29N/12E-05J01M	4172.3	10-22-68	15.1	4157.2	5050
		11-21-68	13.8	4158.5	5050
		12-18-68	12.9	4159.4	5050
		2-19-69	10.7	4161.6	5050
		3-19-69	10.5	4161.8	5050
		4-17-69	11.0	4161.3	5050
		5-21-69	13.2	4159.1	5050
		6-17-69	9.1	4163.2	5050
		7-24-69	9.1	4163.2	5050
		8-20-69	17.4	4154.9	5050
		9-17-69	15.6	4156.7	5050
29N/14E-17R02M	4046.9	10-22-68	8.0	4038.9	5050
		11-21-68	8.2	4038.7	5050
		12-18-68	8.0	4038.9	5050
		2-19-69	6.3	4040.6	5050
		3-19-69	5.7	4041.2	5050
		4-17-69	5.9	4041.0	5050
		5-21-69	6.4	4040.5	5050
		6-17-69	6.5	4040.4	5050
		7-24-69	6.2	4040.7	5050
		8-20-69	4.0	4042.9	5050
		9-17-69	6.2	4040.7	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
TAHOE VALLEY 6-05.D0					
SOUTH TAHOE VALLEY 6-05.01					
11N/18E-05N01M	6396.1	10-16-68	16.5	6379.6	5050
		4-30-69	(1) 12.4	6383.7	5050
11N/18E-08M01M	6435.5	10-16-68	9.1	6426.4	5050
		4-30-69	3.9	6431.6	5050
12N/18E-01D04M	7280.0	10-16-68	24.2	7255.8	5050
		4-30-69	22.0	7258.0	5050
12N/18E-02C01M	6274.3	10-16-68	(3)		5050
		4-30-69	27.8	6246.5	5050
12N/18E-02C09M	6291.1	10-16-68	48.9	6242.2	5050
		4-30-69	(1) 46.3	6244.8	5050
12N/18E-03A01M	6270.4	10-16-68	(4) 24.2	6246.2	5050
		4-30-69	22.9	6247.5	5050
12N/18E-03C10M	6263.2	10-17-68	27.5	6235.7	5050
		4-30-69	23.7	6239.5	5050
12N/18E-03D05M	6253.4	10-16-68	19.2	6234.2	5050
		4-30-69	12.4	6241.0	5050
12N/18E-03D08M	6261.9	10-17-68	29.9	6232.0	5050
		4-30-69	27.9	6234.0	5050
12N/18E-04A05M	6254.4	10-16-68	21.9	6232.5	5050
		4-30-69	19.6	6234.8	5050
12N/18E-04B02M	6236.7	10-17-68	8.0	6228.7	5050
		4-30-69	(2)		5050
12N/18E-04L01M	6264.0	10-16-68	27.8	6236.2	5050
		4-30-69	22.6	6241.4	5050
12N/18E-05A02M	6239.7	10-16-68	6.9	6232.8	5050
		4-30-69	3.3	6236.4	5050
SOUTH TAHOE VALLEY 6-05.01 (Continued)					
12N/18E-05C02M	6257.6	10-16-68	22.5	6235.1	5050
		4-30-69	18.2	6239.4	5050
12N/18E-05H01M	6256.3	10-16-68	16.2	6240.1	5050
		4-30-69	9.8	6246.5	5050
12N/18E-05K01M	6271.0	10-16-68	32.4	6238.6	5050
		4-30-69	28.3	6242.7	5050
12N/18E-06R01M	6670.0	10-16-68	9.0	6661.0	5050
		4-30-69	6.5	6663.5	5050
12N/18E-09D03M	6298.0	10-16-68	63.4	6234.6	5050
		4-30-69	57.4	6240.6	5050
12N/18E-16M01M	6297.9	10-16-68	37.0	6260.9	5050
		4-30-69	34.0	6263.9	5050
12N/18E-21D01M	6283.0	10-16-68	6.0	6277.0	5050
		4-30-69	2.8	6280.2	5050
12N/18E-29N01M	6337.7	10-17-68	32.0	6305.7	5050
		4-30-69	23.8	6313.9	5050
13N/17E-35G01M	6278.6	10-16-68	32.6	6246.0	5050
		4-30-69	27.5	6251.1	5050
13N/18E-27K01M	6276.7	10-16-68	36.5	6240.2	5050
		4-30-69	35.2	6241.5	5050
13N/18E-33K01M	6242.0	10-16-68	12.9	6229.1	5050
		4-30-69	10.6	6231.4	5050
13N/18E-33M01M	6253.1	10-17-68	24.2	6228.9	5050
		4-30-69	24.1	6229.0	5050
13N/18E-33R05M	6265.6	10-17-68	29.0	6236.6	5050
		4-30-69	26.6	6239.0	5050
13N/18E-34M02M	6262.8	10-17-68	26.0	6236.8	5050
		4-30-69	22.1	6240.7	5050

Appendix D

SURFACE WATER QUALITY

INTRODUCTION

This appendix contains surface water quality data for 277 stream and estuarine stations in Northeastern California collected during the period from October 1, 1968, through September 30, 1969. 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 225 by the Department of Water Resources.

The Department of Water Resources Laboratory uses procedures from "Standard Methods for the Examination of Water and Wastewater", 12th Edition, 1967, 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; "D" for Sacramento-San Joaquin Delta system; "R" for reservoir; "L" for lake; 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>: E0 B 807.3 145.6

E0	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

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	Figures D-1	D-2	D-3	D-4	D-5
ALMANOR-BUTT CREEK TUNNEL NEAR PRATTVILLE	A5 3510.00	40 11 17	121 11 08		Special	381	-	-	-	-	-	497	-	-	-	-
AMERICAN RIVER AT AMERICAN R WTR PLT AT SACRAMENTO	A0 7140.10	38 33 35	121 24 57	Oct. 1968	Continuous	371	428	-	-	-	-	495	-	502	-	-
AMERICAN RIVER AT FAIR OAKS	A0 7175.00	38 38 08	121 13 36	Nov. 1958	Monthly	372	428	-	-	-	478	495	-	-	-	-
AMERICAN RIVER AT FOLSOM	A7 1116.01	38 40 59	121 10 29		Monthly	385	-	-	-	-	481	495	-	-	-	-
AMERICAN RIVER AT GUY WEST BRIDGE AT SACRAMENTO	A0 7140.05	38 33 43	121 25 10		Special	-	-	-	-	-	478	495	-	-	-	-
AMERICAN RIVER AT NIMBUS DAM	A7 1110.00	Refer to AMERICAN RIVER AT FAIR OAKS														
AMERICAN RIVER AT SACRAMENTO NORTHERN RR BRIDGE	A0 7125.05	38 35 39	121 28 23		Monthly	371	-	-	-	-	477	495	-	-	-	-
AMERICAN RIVER, EF OF NF OF NF, AT TUNNEL MILL CG	A7 2650.01	39 15 02	120 38 54		Special	387	436	-	-	-	-	495	-	-	-	-
AMERICAN RIVER, MIDDLE FORK, NEAR AUBURN	A7 3100.00	38 54 51	121 02 07	July 1958	Monthly	387	436	-	-	-	482	495	-	-	-	-
AMERICAN RIVER, MF, BELOW FRENCH MEADOWS DAM	A7 3800.10	39 06 43	120 28 14		Special	388	436	-	-	-	-	495	-	-	-	-
AMERICAN RIVER, MF, AT GREENWOOD BR NR GREENWOOD	A7 3175.01	38 57 13	120 55 43		Special	388	436	-	-	-	-	495	-	-	-	-
AMERICAN RIVER, NORTH FORK, AT AUBURN DAMSITE	A7 2160.01	38 52 59	121 03 38		Monthly	385	435	-	-	-	481	495	-	-	-	-
AMERICAN RIVER, NF ABOVE MF, AT AUBURN	A7 2190.01	38 55 34	121 02 20		Monthly	386	-	-	-	-	481	495	-	-	-	-
AMERICAN RIVER, NORTH FORK, AT COLFAX	A7 2500.01	39 06 08	120 55 26		Irregular	387	436	-	-	-	481	495	-	-	-	-
AMERICAN RIVER, NORTH FORK, NEAR COLFAX	A7 2350.00	39 02 25	120 54 06		Special	386	436	-	-	-	-	495	-	-	-	-
AMERICAN RIVER, NF, AT PONDEROSA BR NR APPLEGATE	A7 2250.01	39 00 00	120 56 21		Special	386	436	-	-	-	-	495	-	-	-	-
AMERICAN RIVER, NF OF MF, NEAR FORESTHILL	A7 3280 00	39 01 27	120 43 03		Special	388	436	-	-	-	482	495	-	-	-	-
AMERICAN RIVER, NF OF NF, ABOVE BLUE CANYON CREEK	A7 2620.01	39 12 03	120 44 45		Special	387	436	-	-	-	481	495	-	-	-	-
AMERICAN RIVER, NF OF NF, NEAR EMIGRANT GAP	A7 2672.01	39 16 18	120 39 27		Special	387	436	-	-	-	482	495	-	-	-	-
AMERICAN RIVER, SILVER FORK OF SF, AT MOUTH	A7 4580.01	38 46 00	120 18 47		Special	389	-	-	-	-	482	495	-	-	-	-
AMERICAN RIVER, SOUTH FORK, AT COLOMA	A7 4170.00	38 48 06	120 53 24		Special	-	-	-	-	-	482	495	-	-	-	-
AMERICAN RIVER, SOUTH FORK, NEAR LOTUS	A7 4150.00	38 49 05	120 56 45	July 1958	Special	389	437	-	-	-		495	-	-	-	-
AMERICAN RIVER, SOUTH FORK, NEAR PILOT HILL	A7 4080.01	38 06 25	121 02 00		Monthly	388	-	-	-	-	482	495	-	-	-	-
AMERICAN RIVER, SOUTH FORK, AT RIVERTON	A7 4490.01	38 46 14	120 26 50		Special	389	437	-	-	-	-	495	-	-	-	-
ANTELOPE CREEK NEAR MOUTH NEAR RED BLUFF	A0 4520.00	40 06 30	122 06 35		Irregular	369	425	-	-	-	-	496	-	-	-	-
ANTELOPE CREEK NEAR RED BLUFF	A4 5110.50	40 12 10	122 07 05	Oct. 1958	Quarterly	378	433	-	-	-	-	496	-	-	-	-
AUBURN RAVINE AT LINCOLN	A0 0058.00	38 52 58	121 17 35	March 1949	Semiannually	362	419	-	-	-	-	495	-	-	-	-
BATTLE CREEK NEAR COTTONWOOD	A4 7110.00	40 23 50	122 08 05	April 1958	Quarterly	378	433	-	-	-	-	496	-	-	-	-
BEAR CREEK NEAR RUMSEY	A8 1250.00	38 56 38	122 20 34		Monthly	391	437	-	-	-	-	496	-	-	-	-
BEAR RIVER NEAR WHEATLAND	A0 6550.00	39 00 00	121 24 20	Dec. 1951	Monthly	370	427	-	-	-	-	497	-	-	-	-
BEAVER SLOUGH NEAR THORNTON	B9 D 812.3 126.8	38 12 15	121 26 46		Monthly	410	454	-	-	-	488	-	500			
BENNER CREEK NEAR CHESTER	A5 3701.01	40 19 51	121 14 10		Special	382	-	-	-	-	-	497	-	-	-	-
BIG BREAK AT BIG BREAK RESORT	B9 D 800.8 143.9	38 00 48	121 43 54	March 1968	Special	399	444	-	-	-	483	-	501	-	-	-
BIG BREAK NEAR OAKLEY	B9 D 801.1 142.6	38 01 05	121 42 38	March 1968	Monthly	399	444	-	-	-	484	-	501	-	-	-
BIG CHICO CREEK NEAR CHICO	A4 2110.00	39 46 35	121 45 45	July 1952	Bimonthly	378	433	-	-	-	-	496	-	-	-	-
BIG GRIZZLY CREEK NEAR PORTOLA	A5 5480.00	39 52 00	120 27 20	Sept. 1967	Semiannually	383	436	-	-	-	-	497	-	-	-	-
BIG INDIAN CREEK NEAR NASHVILLE	B1 1300.01	38 33 00	120 50 49		Special	394	440	-	-	-	-	495	-	-	-	-
BLUE CANYON CREEK AT MOUTH NEAR BAXTER	A7 2605.01	39 12 03	120 44 47		Special	387	436	-	-	-	-	495	-	-	-	-
BUNCH CANYON CREEK NEAR COLFAX	A7 2320.01	39 03 32	120 56 18	June 1969	Special	386	436	-	-	-	-	495	-	-	-	-
BUTT CR BEL ALMANOR BUTT CR TUNNEL NR PRATTVILLE	A5 3500.00	40 11 12	121 11 11		Special	381	-	-	-	-	-	497	-	-	-	-
BUTT CREEK AT FANANI MEADOWS	A5 3542.01	40 11 52	121 16 36		Special	381	-	-	-	-	-	497	-	-	-	-
BUTT VALLEY RESERVOIR NEAR CARIBOU	A5 L 007.0 108.7	38 07 02	121 08 40		Special	-	-	-	-	473	478	497	-	-	-	-
BUTT VALLEY RESERVOIR, NORTH END	A5 L 009.5 111.0	40 09 30	121 10 58		Special	-	-	-	-	-	479	497	-	-	-	-
BUTTE CREEK NEAR CHICO	A4 1110.00	39 43 34	121 42 28	July 1952	Bimonthly	377	432	-	-	-	-	496	-	-	-	-
BUTTE SLOUGH AT OUTFALL GATES	A0 2967.00	39 11 44	121 56 04	Aug. 1969	Bimonthly	366	-	-	-	-	477	496	-	-	-	-
CACHE CREEK NEAR CAPAY	A8 1120.00	38 43 43	122 06 14	Dec. 1951	Continuous	390	437	-	-	-	-	494	-	502	-	-
CACHE CREEK NEAR LOWER LAKE	A8 1350.00	38 55 24	122 33 54	Dec. 1951	Monthly	391	438	-	-	-	-	494	-	-	-	-
CACHE CREEK, NORTH FORK, NEAR LOWER LAKE	A8 2050.00	39 01 06	122 34 05	Dec. 1951	Monthly	392	438	-	-	-	-	494	-	-	-	-
CACHE SLOUGH AT VALLEJO PUMPING PLANT	B9 D 817.8 144.8	38 17 49	121 44 50	June 1968	Special	412	-	-	-	-	489	-	500	-	-	-
CALAVERAS RIVER ABOVE NEW HOGAN RESERVOIR	B2 5320.10	38 11 48	120 43 16	Jan. 1964	Monthly	395	440	-	-	-	-	495	-	-	-	-
CALAVERAS RIVER BELOW NEW HOGAN DAM	B2 5300.00	38 08 53	120 49 26	Jan. 1964	Monthly	395	440	-	-	-	-	495	-	-	-	-
CALAVERAS RIVER AT STOCKTON	B0 2515.01	37 59 35	121 17 11	July 1958	Monthly	393	439	-	-	-	-	495	-	-	-	-
CALHOUN CUT NEAR RIO VISTA	B9 D 815.6 147.2	38 15 37	121 47 13	June 1968	Special	411	-	-	-	-	488	-	500	-	-	-
CAMP CREEK BELOW DIAMOND CREEK NR BALTIC LOOKOUT	B1 2470.01	38 43 18	120 30 22		Special	394	440	-	-	-	-	495	-	-	-	-
CAMP CREEK NEAR SOMERSET	B1 2300.00	38 39 28	120 39 42		Special	394	440	-	-	-	-	495	-	-	-	-
CANYON CREEK AT GOLD RUN	A7 2555.01	39 10 31	120 50 35		Special	387	436	-	-	-	-	495	-	-	-	-
CARQUINEZ STRAIT AT CROCKETT	E0 B 803.5 213.3	38 03 28	122 13 18	1946	Four-day	-	-	465	466	-	-	-	-	-	-	-
CARQUINEZ STRAIT AT MARTINEZ	E0 B 801.9 207.8	38 01 55	122 07 46	1926	Four-day	-	-	465	466	-	-	-	-	-	-	-
CARSON RIVER, EF, AT HWY 4 BRIDGE NR MARKLEEVILLE	G8 3420.20	38 41 20	119 45 44	Sept. 1958	Bimonthly	417	-	-	-	-	-	493	-	-	-	-
CARSON RIVER, WEST FORK, AT WOODFORDS	G8 2300.00	38 46 10	119 50 00	Aug. 1958	Bimonthly	416	-	-	-	-	-	493	-	-	-	-
CLEAR CREEK NEAR IGO	A3 6130.00	40 30 47	122 31 24	Aug. 1958	Bimonthly	377	432	-	-	-	-	498	-	-	-	-
CLEAR LAKE NEAR CLEARLAKE HIGHLANDS	A8 L 857.0 239.6	38 58 05	122 39 46		Special	390	437	-	-	-	-	496	-	-	-	-
CLEAR LAKE AT LAKEPORT (A8 1720.00)	A8 L 902.7 254.7	39 02 36	122 54 48	April 1951	Monthly	390	437	-	-	-	-	496	-	-	-	-
COLUSA BASIN DRAIN NEAR COLUSA	A0 2976.00	39 11 45	122 03 35	July 1952	Monthly	367	424	-	-	-	-	496	-	-	-	-
COLUSA BASIN DRAIN NEAR KNIGHTS LANDING	A0 2947.10	38 48 45	121 46 25	March 1967	Monthly	365	423	-	-	-	476	494	-	-	-	-
COSUMNES RIVER AT MCCONNELL	B0 1125.00	38 21 29	121 20 34	July 1958	Special	392	439	-	-	-	-	495	-	-	-	-
COSUMNES RIVER AT MICHIGAN BAR	B1 1150.00	38 30 01	121 02 40	July 1952	Continuous	394	439	-	-	-	-	495	-	503	-	-
COSUMNES RIVER AT SLOUGHHOUSE	B0 1170.00	38 29 06	121 11 16		Special	392	439	-	-	-	-	495	-	-	-	-
COSUMNES RIVER, MIDDLE FORK, AT MOUTH	B1 3000.01	38 23 22	120 50 24		Special	394	-	-	-	-	-	495	-	-	-	-
COSUMNES RIVER, MF, AT PI PI RESERVOIR SITE	B1 3600.00	38 34 01	120 26 24		Special	394	440	-	-	-	-	495	-	-	-	-
COSUMNES RIVER, MIDDLE FORK, NEAR SOMERSET	B1 3150.00	38 37 29	120 42 02	Oct. 1967	Semiannually	394	440	-	-	-	-	495	-	-	-	-
COSUMNES RIVER, NORTH FORK, AT CAPS CROSSING	B1 2800.01	38 38 52	120 23 40		Special	394	440	-	-	-	-	495	-	-	-	-
COSUMNES RIVER, NORTH FORK, NEAR EL DORADO	B1 2100.00	38 35 20	120 50 38		Semiannually	394	440	-	-	-	-	495	-	-	-	-
COSUMNES RIVER, NORTH FORK, AT SWEENEYS CROSSING	B1 2659.01	38 39 07	120 37 28		Special	394	440	-	-	-	-	495	-	-	-	-
COSUMNES RIVER, SOUTH FORK, NEAR RIVER PINES	B1 4100.00	38 32 48	120 44 10	Oct. 1967	Semiannually	395	440	-	-	-	-	495	-	-	-	-
COSUMNES RIVER, STEELY FORK, NEAR COLES STATION	B1 2670.01	38 37 17	120 34 38		Special	394	440	-	-	-	-	495	-	-	-	-
COTTONWOOD CREEK NEAR COTTONWOOD	A0 3520.00	40 23 10	122 14 15	April 1951	Monthly	368	424	-	-	-	-	496	-	-	-	-
COTTONWOOD CREEK BELOW NORTH FORK COTTONWOOD CREEK	A0 3540.00	40 23 00	122 29 10	Oct. 1958	Bimonthly	368	425	-	-	-	-	496	-	-	-	-
COTTONWOOD CREEK, SF, ABOVE COTTONWOOD CREEK	A0 3595.00	40 18 59	122 26 52	Nov. 1958	Bimonthly	368	425	-	-	-	-	496	-	-	-	-
COW CREEK NEAR MILLVILLE	A4 8110.00	40 30 20	122 13 55	April 1958	Quarterly	379	433	-	-	-	-	498	-	-	-	-
DEER CREEK NEAR SMARTSVILLE	A6 1250.00	39 13 28	121 16 03	Oct. 1957	Semiannually	384	435	-	-	-	-	497	-	-	-	-
DISAPPOINTMENT SLOUGH NEAR LODI	B9 D 802.7 123.3	38 02 42	121 23 15		Monthly	404	447	-	-	-	486	-	501	-	-	-
DOMINGO CREEK AT FEATHER RIVER HOMESITES	A5 3783.01	40 20 57	121 20 02		Special	383	-	-	-	-	-	497	-	-	-	-
DONNER CREEK AT DONNER LAKE	G7 1565.00	39 19 24	120 14 00	Oct. 1967	Monthly	416	-	-	-	-	-	497	-	-	-	-
DRY CREEK NEAR IONE	B2 1150.00	38 24 54	120 54 18	Oct. 1967	Special	-	439	-	-	-	-	495	-	-	-	-
DUNCAN CR AT MOSQUITO RIDGE RD NR FRENCH MDOWS RES	A7 3694.01	39 07 19	120 29 31		Special	388	-	-	-	-	-	495	-	-	-	-
DUTCH SLOUGH AT BETHEL ISLAND BRIDGE *	B9 D 800.7 138.4	38 00 43	121 38 24	May 1955	Four-day	399	443	465	466	-	483	-	501	-	-	-
DUTCH SLOUGH BELOW JERSEY ISLAND BRIDGE	B9 D 800.8 140.1	38 00 49	121 40 03		Special	399	-	-	-	-	-	-	501	-	-	-
ELDER CREEK AT GERBER	A0 3320.00	40 03 05	122 09 55	Jan. 1959	Irregular	367	424	-	-	-	-	496	-	-	-	-
ELDER CREEK NEAR PASKENTA	A3 3110.00	40 01 30	122 30 36	Oct. 1958	Irregular	377	432	-	-	-	-	496	-	-	-	-

* Reported in 1968 as DUTCH SLOUGH AT FARRAR PARK BRIDGE.

TABLE D-1 (Cont.)

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	Figures D-1	D-2	D-3	D-4	D-5
FALSE RIVER AT BRADFORD ISLAND	B9 D 803.5 140.0	38 03 28	121 40 01	April 1965	Four-day	-	-	465	466	-	-	-	501	-	-	-
FALSE RIVER AT WEBB PUMP	B9 D 803.7 136.1	38 03 43	121 36 03	Feb. 1968	Continuous	405	449	-	-	-	486	-	501	-	505	-
FEATHER RIVER FISH HATCHERY	A0 5990.00	39 31 05	121 33 11		Continuous	-	-	-	-	-	-		-	-	-	506
FEATHER RIVER NEAR GRIDLEY	A0 5165.00	39 22 01	121 38 43	March 1967	Monthly	369	426	-	-	473	477	496	-	502	-	506
FEATHER RIVER AT NICOLAUS	A0 5103.00	38 54 01	121 35 00	March 1949	Irregular	369	425	-	-	473	477	494	-	-	-	-
FEATHER RIVER AT YUBA CITY	A0 5135.00	39 08 20	121 36 17	July 1964	Continuous	-	-	-	-	-	-	496	-	-	-	506
FEATHER RIVER AT YUBA CITY DIVERSION	A0 5136.01	39 09 35	121 36 37	Sept. 1969	Special	369	426	-	-	-	-	496	-	-	-	-
FEATHER RIVER, MIDDLE FORK, NEAR MERRIMAC	A5 5100.00	39 42 30	121 16 15	July 1963	Semiannually	383	434	-	-	-	-	497	-	-	-	-
FEATHER RIVER, MIDDLE FORK, AT SLOAT	A5 5250.00	39 51 24	120 43 06	March 1968	Semiannually	383	435	-	-	-	-	497	-	-	-	-
FEATHER RIVER, NF, BEL ALMANOR RR BR AT CHESTER	A5 3721.01	40 18 23	121 13 04		Special	382	434	-	-	-	479	497	-	-	-	-
FEATHER RIVER, NORTH FORK, AT CHESTER	A5 3721.51	40 18 36	121 13 35		Special	382	-	-	-	-	-	497	-	-	-	-
FEATHER RIVER, NF, AT FEATHER RIVER HOMESITES	A5 3786.01	40 20 56	121 20 09		Special	383	-	-	-	-	-	497	-	-	-	-
FEATHER RIVER, NORTH FORK, AT GANSNER BAR	A5 3375.00	40 01 06	121 13 16		Special	381	434	-	-	-	479	497	-	-	-	-
FEATHER RIVER, NF, ABOVE LOG POND DIVERSION	A5 3728.01	40 18 24	121 14 58		Special	382	-	-	-	-	-	497	-	-	-	-
FEATHER RIVER, NORTH FORK, ABOVE POE DAM	A5 3151.01	39 48 35	121 25 56	Sept. 1968	Semiannually	380	434	-	-	-	-	497	-	-	-	-
FEATHER RIVER, NORTH FORK, NEAR PRATTVILLE	A5 3600.00	40 10 10	121 05 29		Special	381	-	-	-	-	-	497	-	-	-	-
FEATHER RIVER, NF, AT RICE CREEK CAMPGROUND	A5 3775.01	40 20 22	121 18 32		Special	382	-	-	-	-	-	497	-	-	-	-
FEATHER RIVER, NORTH FORK, AT ROD AND GUN CLUB	A5 3796.01	40 21 17	121 24 58		Special	383	-	-	-	-	-	497	-	-	-	-
FEATHER RIVER, NORTH FORK, NEAR SENECA	A5 3550.01	40 07 00	121 04 57		Special	381	-	-	-	-	-	497	-	-	-	-
FEATHER RIVER, SF, AT MINERS RCH DITCH DIVERSION *	A5 6925.80	39 32 04	121 20 38	Sept. 1968	Semiannually	383	435	-	-	-	-	497	-	-	-	-
FEATHER RIVER, WEST BRANCH, NEAR PARADISE	A5 2250.00	39 47 15	121 33 40	Oct. 1967	Semiannually	380	434	-	-	-	-	496	-	-	-	-
FOLSOM RESERVOIR NEAR DAM	A7 R 842.7 108.8	38 42 44	121 08 45		Special	-	-	-	-	-	480	495	-	-	-	-
FOLSOM RESERVOIR EAST OF ROCKY RIDGE ROAD	A7 R 844.8 108.0	38 44 45	121 07 58		Special	-	-	-	-	-	480	495	-	-	-	-
FRANKS TRACT NEAR RUSSOS LANDING	B9 D 802.6 136.8	38 02 38	121 36 49	April 1968	Monthly	403	447	-	-	-	485	-	501	-	-	-
FRENCH MEADOWS RESERVOIR AT SPILLWAY	A7 R 906.8 028.2	39 06 50	120 28 10		Special	384	435	-	-	-	-	495	-	-	-	-
FULDA CREEK NEAR BLUE CANYON	A7 2627.01	39 16 47	120 40 50		Special	387	436	-	-	-	-	495	-	-	-	-
GAS CANYON CREEK AT MOUTH NEAR GEORGETOWN	A7 3165.01	38 57 21	120 55 55		Special	388	436	-	-	-	-	495	-	-	-	-
GENERAL CREEK NEAR MEEKS BAY	G7 3300.01	39 03 15	120 06 49	July 1968	Special	-	463	-	-	-	492	495	-	-	-	-
GOODRICH CREEK AT HWY 36 BRIDGE NEAR WESTWOOD	A5 3680.10	40 19 45	120 55 48		Special	382	-	-	-	-	479	497	-	-	-	-
GRINDSTONE CREEK NEAR ELK CREEK	A3 1300.00	39 40 46	122 31 43		Bimonthly	376	431	-	-	-	-	496	-	-	-	-
HAMILTON BRANCH AT LAKE ALMANOR	A5 3670.01	40 16 18	121 05 15		Special	381	434	-	-	-	479	497	-	-	-	-
HELL HOLE RESERVOIR AT BOAT RAMP	A7 R 903.6 024.7	39 03 35	120 24 42		Special	384	435	-	-	-	-	495	-	-	-	-
HOG SLOUGH NEAR THORNTON	B9 D 810.1 127.9	38 10 06	121 27 55		Monthly	409	453	-	-	-	488	-	500	-	-	-
HUMBUG CREEK AT LONGVILLE	A5 3368.11	40 08 47	121 14 32		Special	381	-	-	-	-	-	497	-	-	-	-
INCLINE CREEK AT INCLINE VILLAGE	G7 3253.01	39 14 30	119 56 33	July 1968	Special	-	463	-	-	-	491	497	-	-	-	-
INDIAN CREEK NEAR CRESCENT MILLS	A5 4320.00	40 04 20	120 55 35	April 1951	Semiannually	383	434	-	-	-	-	497	-	-	-	-
INDIAN CREEK AT IOWA HILL	A7 2485.01	39 06 23	120 51 17		Special	386	436	-	-	-	-	495	-	-	-	-
JACK SLOUGH AT MARYSVILLE	A0 5660.00	39 09 34	121 35 34	Sept. 1967	Semiannually	370	427	-	-	-	-	496	-	-	-	-
JUNIPER LAKE AT CAMPGROUND NEAR CHESTER	A5 L 026.9 117.9	40 26 56	121 17 53		Special	379	-	-	-	-	-	497	-	-	-	-
KINGS CREEK AT KELLY CAMP	A5 3752.01	40 25 59	121 21 04		Special	382	-	-	-	-	-	497	-	-	-	-
KNICKERBOCKER CREEK AT MOUTH NEAR COOL	A7 2155.01	38 52 13	121 03 02		Special	385	435	-	-	-	-	495	-	-	-	-
LAKE ALMANOR AT DAM	A5 L 010.7 105.1	40 10 08	121 05 06	Sept. 1969	Special	379	-	-	-	473	479	497	-	-	-	-
LAKE ALMANOR AT PRATTVILLE	A5 L 012.8 109.6	40 12 48	121 09 39	Sept. 1969	Special	379	-	-	-	473	479	497	-	-	-	-
LAKE ALMANOR, EAST ARM	A5 L 014.9 106.4	40 14 52	121 06 25	Sept. 1969	Special	379	-	-	-	473	479	497	-	-	-	-
LAKE ALMANOR, UPPER WEST ARM	A5 L 015.9 111.3	40 15 54	121 11 20	Sept. 1969	Special	379	-	-	-	473	479	497	-	-	-	-
LAKE EDSON AT SPILLWAY NEAR GEORGETOWN	A7 L 854.2 036.2	38 54 14	120 36 13		Special	384	435	-	-	-	-	495	-	-	-	-
LAKE OROVILLE (STATION 1)	A5 R 932.7 128.5	39 32 42	121 28 30	April 1968	Irregular	380	-	-	-	473	479	497	-	-	-	-
LAKE OROVILLE (STATION 2)	A5 R 937.0 129.3	39 37 00	121 29 18	April 1968	Irregular	380	-	-	-	474	479	497	-	-	-	-
LAKE OROVILLE (STATION 3)	A5 R 933.1 125.7	39 33 06	121 25 42	April 1968	Irregular	380	-	-	-	474	479	497	-	-	-	-
LAKE TAHOE AT CHAMBERS LODGE	G7 L 904.5 008.3	39 04 28	120 08 17	July 1968	Special	-	460	-	-	-	490	497	-	-	-	-
LAKE TAHOE AT GLENBROOK	G7 L 905.4 956.4	39 05 22	119 56 26	July 1968	Special	-	461	-	-	-	491	495	-	-	-	-
LAKE TAHOE AT INCLINE GUARD STATION	G7 L 914.2 956.8	39 14 15	119 56 45	July 1968	Special	-	463	-	-	-	491	495	-	-	-	-
LAKE TAHOE NEAR LAKE FOREST	G7 L 910.8 007.1	39 10 35	120 06 50	July 1968	Special	-	462	-	-	-	491	495	-	-	-	-
LAKE TAHOE AT OBEXERS MARINA AT HOMEWOOD	G7 L 904.9 009.4	39 04 56	120 09 22		Special	-	461	-	-	-	490	495	-	-	-	-
LAKE TAHOE AT RUBICON BAY	G7 L 900.8 006.6	39 00 51	120 06 39	July 1968	Special	-	460	-	-	-	490	495	-	-	-	-
LAKE TAHOE AT TAHOE CITY	G7 1710.00	39 10 04	120 08 53	April 1951	Bimonthly	416	-	-	-	-	-	495	-	-	-	-
LAKE TAHOE NEAR TAHOE KEYS	G7 L 856.6 000.6	38 56 37	120 00 37	July 1968	Special	-	458	-	-	-	489	495	-	-	-	-
LAKE TAHOE AT TAHOE KEYS MARINA	G7 L 856.3 000.4	38 56 17	120 00 26		Special	-	458	-	-	-	489	495	-	-	-	-
LAKE TAHOE AT TAHOE VISTA	G7 L 914.2 002.2	39 14 10	120 02 11	July 1968	Special	-	462	-	-	-	491	495	-	-	-	-
LAKE TAHOE NEAR TAYLOR CREEK	G7 L 856.6 003.4	38 56 34	120 03 23	July 1968	Special	-	459	-	-	-	490	495	-	-	-	-
LAKE TAHOE AT ZEPHYR COVE	G7 L 900.5 957.0	39 00 32	119 56 58	July 1968	Special	-	460	-	-	-	490	495	-	-	-	-
LAKE TAHOE, NORTH CENTER	G7 L 908.7 000.3	39 08 42	120 00 15	July 1968	Special	-	461	-	-	-	491	495	-	-	-	-
LAKE TAHOE, SOUTH CENTER	G7 L 900.0 000.0	39 00 00	120 00 00	July 1968	Special	-	459	-	-	-	490	495	-	-	-	-
LAST CHANCE CREEK NEAR CHESTER	A5 3712.01	40 21 13	121 13 31		Special	382	-	-	-	-	-	497	-	-	-	-
LITTLE LAST CHANCE CREEK BELOW FRENCHMAN DAM	A5 5525.00	39 53 36	120 11 17	Sept. 1957	Semiannually	383	435	-	-	-	-	497	-	-	-	-
LONG CANYON CREEK AT RUMSEY CROSSING	A7 5117.01	38 59 54	120 33 10		Special	389	-	-	-	-	-	495	-	-	-	-
LONG CANYON CREEK, NF, AT PG&E CONSTRUCTION CAMP NEAR FRENCH MEADOWS	A7 5123.01	39 02 14	120 30 28		Special	389	-	-	-	-	-	495	-	-	-	-
MAD CANYON AT MOSQUITO RIDGE ROAD NEAR FORESTHILL	A7 3253.05	39 01 07	120 45 51		Special	388	-	-	-	-	-	495	-	-	-	-
MCCLOUD RIVER ABOVE SHASTA LAKE	A2 2150.00	40 57 30	122 13 05	April 1951	Monthly	375	430	-	-	-	-	498	-	-	-	-
MIDDLE RIVER AT BORDEN HIGHWAY NEAR TRACY	B9 D 753.5 129.3	37 53 28	121 29 20	Sept. 1968	Monthly	397	442	-	-	-	483	-	501	-	-	-
MIDDLE RIVER AT WILLIAMS BRIDGE NEAR HOLT	B9 D 752.6 122.9	37 52 35	121 22 56		Monthly	396	441	-	-	-	483	-	501	-	-	-
MILL CREEK NEAR LOS MOLINOS	A4 4110.00	40 03 17	122 01 23	July 1952	Bimonthly	378	433	-	-	-	-	496	-	-	-	-
MOKELUMNE RIVER BELOW CAMANCHE DAM	B0 2143.00	38 13 15	121 02 20	March 1965	Semiannually	393	439	-	-	-	-	495	-	-	-	-
MOKELUMNE RIVER NEAR THORNTON	B9 D 815.3 126.3	38 15 20	121 26 21		Monthly	411	454	-	-	-	488	-	500	-	-	-
MOKELUMNE RIVER AT WOODBRIDGE	B0 2105.00	38 09 30	121 18 10	April 1951	Continuous	392	439	-	-	-	-	495	-	503		
MOSQUITO CREEK NEAR CARIBOU	A5 3380.01	40 03 44	121 12 00		Special	381	-	-	-	-	-	497	-	-	-	-
MOUNTAIN MEADOWS RESERVOIR AT DAM	A5 L 017.0 101.4	40 17 00	121 01 24	Sept. 1969	Special	379	-	-	-	473	479	497	-	-	-	-
MOUNTAIN MEADOWS RESERVOIR AT WESTWOOD	A5 L 016.9 100.3	40 16 51	121 00 17	Sept. 1969	Special	379	-	-	-	473	479	497	-	-	-	-
MOUNTAIN MEADOWS RESERVOIR NEAR WESTWOOD	A5 L 016.0 056.9	40 15 58	120 56 55	Sept. 1969	Special	379	-	-	-	473	479	497	-	-	-	-
NATOMAS CROSS CANAL AT VERONA	A0 X 846.8 136.2	38 46 50	121 36 11	Sept. 1969	Biweekly	362	419	-	-	-	476	494	-	-	-	-
NEW YORK SLOUGH NEAR PITTSBURG POINT	B9 D 801.9 151.4	38 01 54	121 51 25	Sept. 1968	Monthly	402	446	-	-	-	485	-	501	-	-	-
NORTH HONCUT CREEK AT HIGHWAY 70 NEAR HONCUT	A0 5710.01	39 18 35	121 35 42	April 1967	Semiannually	370	427	-	-	-	-	494	-	-	-	-
OLD RIVER AT CLIFTON COURT FERRY **	B9 D 749.5 133.1	37 49 28	121 33 05	1948	Continuous	-	-	-	-	-	-	-	501	-	-	507
OLD RIVER AT HOLLAND TRACT	B9 D 800.5 134.8	38 00 27	121 34 47	April 1968	Monthly	398	443	-	-	-	483	-	501	-	505	-
OLD RIVER AT MOUTH	B9 D 804.4 134.2	38 04 23	121 34 14	Feb. 1968	Monthly	405	449	-	-	-	486	-	501	-	-	-
OLD RIVER AT TRACY ROAD BRIDGE NEAR TRACY	B9 D 748.3 126.9	37 48 17	121 26 55	Feb. 1968	Monthly	396	441	-	-	-	483	-	501	-	-	-
OWL CREEK AT GREYEAGLE MINE NEAR FORESTHILL	A7 2260.01	39 00 33	120 53 43		Special	386	436	-	-	-	-	495	-	-	-	-
PEAVINE CREEK AT PEAVINE RIDGE ROAD NEAR FRENCH MEADOWS RESERVOIR	A7 3298.01	39 03 23	120 36 59		Special	388	-	-	-	-	-	495	-	-	-	-
PILOT CREEK ABOVE PLUM CREEK	A7 5218.01	38 54 55	120 29 55		Special	389	-	-	-	-	-	495	-	-	-	-
PILOT CREEK BELOW PLUM CREEK	A7 5214.01	38 54 52	120 30 01		Special	389	-	-	-	-	-	495	-	-	-	-

* Reported in 1968 as FEATHER RIVER, SOUTH FORK, MINERS RANCH DITCH AT SOUTH FORK BRIDGE.
** Reported in 1968 as OLD RIVER AT CLIFTON COURT ROAD BRIDGE.

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-1	D-2	D-3	D-4	D-5
PILOT CREEK NEAR GEORGETOWN	A7 5200.00	38 54 17	120 36 17		Special	389	437	-	-	-	-	495	-	-	-	-
PIT RIVER NEAR CANBY	A1 1680.00	41 24 23	120 55 38	April 1951	Monthly	373	428	-	-	-	-	499	-	-	-	-
PIT RIVER NEAR MONTGOMERY CREEK	A1 1020.00	40 50 30	122 01 00	April 1951	Bimonthly	373	428	-	-	-	-	498	-	-	-	-
PIT RIVER, SOUTH FORK, NEAR LIKELY	A1 4400.00	41 13 51	120 26 10	Aug. 1958	Quarterly	373	429	-	-	-	-	499	-	-	-	-
PLUM CREEK AT PILOT CREEK	A7 5215.01	38 54 48	120 29 50		Special	389	-	-	-	-	-	495	-	-	-	-
PUTAH CREEK NEAR WINTERS	A9 1250.00	38 30 55	122 04 50	Dec. 1951	Annually	392	-	-	-	-	-	494	-	-	-	-
PYRAMID CREEK AT HIGHWAY 50 AT TWIN BRIDGES	A7 4728.01	38 48 43	120 07 18		Special	389	-	-	-	-	-	495	-	-	-	-
RD 70 DRAINAGE TO SACRAMENTO RIVER	A0 2965.00	39 04 08	121 51 43	Aug. 1969	Bimonthly	366	-	-	-	-	477	494	-	-	-	-
RD 108 DRAIN TO SACRAMENTO RIVER NR KNIGHTS LANDING	A0 2933.00	38 51 45	121 47 29	Aug. 1969	Monthly	365	-	-	-	-	476	494	-	-	-	-
RD 787 DRAINAGE TO COLUSA BASIN DRAIN	A0 2950.00	38 48 06	121 43 36	Sept. 1969	Bimonthly	366	-	-	-	-	476	494	-	-	-	-
RD 787 DRAINAGE TO SACRAMENTO RIVER	A0 2955.00	38 50 47	121 43 46	Aug. 1969	Bimonthly	366	-	-	-	-	476	494	-	-	-	-
RED BANK CREEK NEAR RED BLUFF	A0 3460.00	40 05 25	122 24 45	Jan. 1959	Irregular	367	424	-	-	-	-	496	-	-	-	-
RICE CREEK, NORTH ARM, NEAR CHESTER	A5 3802.01	40 23 55	121 26 24		Special	383	-	-	-	-	-	497	-	-	-	-
RUBICON RIVER BELOW HELL HOLE DAM	A7 5310.00	39 03 25	120 24 27		Special	390	437	-	-	-	-	495	-	-	-	-
RUBICON RIVER BEL RALSTON POWERHOUSE NR FORESTHILL	A7 5050.01	39 00 02	120 43 24		Special	389	437	-	-	-	482	495	-	-	-	-
SACRAMENTO RIVER AT BEND	A0 2785.00	40 15 48	122 13 19	May 1955	Bimonthly	364	422	-	-	-	-	496	-	-	-	-
SACRAMENTO RIVER AT BRYTE LAB AT BRYTE	A0 2104.01	38 35 58	121 32 23		Special	-	419	-	-	-	-	494	-	-	-	-
SACRAMENTO RIVER AT BUTTE CITY	A0 2500.00	39 27 35	121 59 35	May 1955	Bimonthly	364	421	-	-	-	-	496	-	-	-	-
SACRAMENTO RIVER AT COLLINSVILLE	B9 D 804.4 151.0	38 04 27	121 50 58	1924	Four-day	-	-	465	466	-	-	-	501	-	-	-
SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN	A0 2430.02	38 48 29	121 43 25	July 1960	Monthly	363	420	-	-	-	476	494	-	-	-	-
SACRAMENTO RIVER AT COLUSA	A0 2420.00	39 12 48	121 59 54	Oct. 1958	Monthly	363	420	-	-	-	-	496	-	-	-	-
SACRAMENTO RIVER AT DELTA	A2 1300.00	40 56 20	122 24 55	April 1951	Monthly	374	430	-	-	-	-	498	-	-	-	-
SACRAMENTO RIVER AT ELKHORN FERRY	A0 2112.00	38 40 33	121 37 15	Aug. 1969	Biweekly	362	419	-	-	-	476	494	-	-	-	-
SACRAMENTO RIVER AT EMMATON	B9 D 805.1 144.3	38 05 04	121 44 17	Oct. 1967	Continuous	406	449	-	-	-	487	-	501	-	504	-
SACRAMENTO RIVER BELOW EMMATON	B9 D 804.6 145.2	38 04 35	121 45 10	1955	Four-day	-	-	465	466	-	-	-	501	-	-	-
SACRAMENTO RIVER AT FREEPORT	B9 D 827.3 130.0	38 27 21	121 30 00	June 1960	Monthly	413	456	-	-	474	489	-	500	-	-	-
SACRAMENTO RIVER AT FREMONT WEIR, WEST END	A0 2170.00	38 45 34	121 39 59	June 1965	Continuous	-	-	-	-	-	-	494	-	-	-	506
SACRAMENTO RIVER AT GREENS LANDING	B9 D 820.7 132.7	38 20 45	121 32 42	July 1962	Irregular	413	456	-	-	-	489	-	500	503	-	-
SACRAMENTO RIVER AT HAMILTON CITY	A0 2630.00	39 45 06	121 59 48	April 1951	Bimonthly	364	422	-	-	-	-	496	-	-	-	-
SACRAMENTO RIVER AT ISLETON BRIDGE	B9 D 810.3 135.6	38 10 20	121 35 35	April 1960	Four-day	-	-	465	466	-	-	-	500	-	-	-
SACRAMENTO RIVER AT KESWICK	A2 1010.00	40 36 40	122 26 45	April 1951	Continuous	374	429	-	-	-	478	498	-	502	-	-
SACRAMENTO RIVER BELOW KNIGHTS LANDING	A0 2195.01	38 45 38	121 40 35	Oct. 1967	Monthly	362	419	-	-	-	-	494	-	-	-	-
SACRAMENTO RIVER AT PITTSBURG	B9 D 802.3 153.0	38 02 18	121 52 58	1945	Four-day	-	-	465	466	-	-	-	501	-	-	-
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9 D 809.6 141.1	38 09 35	121 41 06	April 1951	Four-day	409	452	465	466	-	488	-	501	-	-	-
SACRAMENTO RIVER AT SACRAMENTO	A0 2100.00	38 35 20	121 30 15	1951	Special	-	419	-	-	-	476	495	-	-	-	-
SACRAMENTO RIVER AT SACRAMENTO WEIR	A0 2105.00	38 36 09	121 33 12	April 1960	Continuous	-	-	-	-	-	-	494	-	-	-	507
SACRAMENTO RIVER AT WALNUT GROVE (B9 1600.00)	B9 D 814.5 130.8	38 14 32	121 30 48	Dec. 1960	Continuous	-	-	-	-	-	-	-	501	-	-	507
SACRAMENTO SLOUGH NEAR KNIGHTS LANDING	A0 2925.00	38 46 50	121 38 03	June 1951	Irregular	365	423	-	-	-	476	494	-	-	-	-
SAN JOAQUIN RIVER AT ANTIOCH	B9 D 801.1 148.1	38 01 04	121 48 06	April 1951	Continuous	400	444	465	466	-	484	-	501	-	504	-
SAN JOAQUIN RIVER BY ANTIOCH	B9 D 801.1 148.8	38 01 07	121 48 50	Oct. 1966	Bimonthly	400	-	-	-	-	484	-	501	-	-	-
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9 D 801.7 145.0	38 01 43	121 44 58	June 1960	Four-day	-	-	465	466	-	-	-	501	-	-	-
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE (AT LIGHT 12)	B9 D 801.6 145.2	38 01 38	121 45 12	June 1960	Special	400	445	-	-	-	484	-	501	-	-	-
SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL	B9 D 801.2 148.5	38 01 15	121 48 28	March 1968	Monthly	400	444	-	-	-	484	-	501	-	-	-
SAN JOAQUIN RIVER AT BLIND POINT	B9 D 801.9 143.2	38 01 57	121 43 09	May 1968	Special	401	-	-	-	-	-	-	501	-	-	-
SAN JOAQUIN RIVER AT BUCKLEY COVE	B9 D 758.7 122.9	37 58 42	121 22 55	Feb. 1968	Monthly	398	442	-	-	-	483	-	501	-	-	-
SAN JOAQUIN RIVER AT DUTCH SLOUGH	B9 D 801.7 143.4	38 01 41	121 43 22		Special	401	-	-	-	-	-	-	501	-	-	-
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9 D 802.6 141.5	38 02 37	121 41 32	July 1952	Four-day	403	-	465	466	-	-	-	501	-	-	-
SAN JOAQUIN RIVER AT JERSEY POINT	B9 D 803.1 141.3	38 03 09	121 41 17	Oct. 1967	Continuous	404	448	-	-	-	486	-	501	-	504	-
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9 D 747.1 118.4	38 47 11	121 18 22	Sept. 1952	Four-day	-	-	465	466	-	-	-	501	-	-	-
SAN JOAQUIN RIVER AT RINDGE PUMP	B9 D 759.8 125.1	37 59 51	121 25 06	Jan. 1965	Continuous	-	-	-	-	-	-	-	501	-	-	507
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9 D 806.3 135.6	38 06 20	121 35 37	March 1952	Four-day	-	-	465	466	-	-	-	501	-	-	-
SAN JOAQUIN RIVER AT TWITCHELL ISLAND	B9 D 805.8 140.1	38 05 50	121 40 05	Feb. 1968	Monthly	407	451	-	-	-	487	-	501	-	-	-
SAN JOAQUIN RIVER NEAR VERNALIS	B0 7020.00	37 40 34	121 15 51	1951	Monthly	393	439	-	-	-	482	495	-	-	-	-
SCOTT CREEK NEAR AUKUM	B1 4150.01	38 32 40	120 50 42		Special	395	440	-	-	-	-	495	-	-	-	-
SHERMAN LAKE NEAR ANTIOCH	B9 D 802.6 147.6	38 02 34	121 47 34		Special	403	447	-	-	-	485	-	501	-	-	-
SNIRTTAIL CANYON CREEK ABOVE DEVILS CANYON CREEK	A7 2358.01	39 02 23	120 53 39		Special	386	436	-	-	-	-	495	-	-	-	-
SNODGRASS SLOUGH AT SOUTHERN PACIFIC RR BRIDGE	B9 D 819.1 130.1	38 19 03	121 30 04		Monthly	412	455	-	-	-	489	-	500	-	-	-
SNODGRASS SLOUGH AT TWIN CITIES ROAD NEAR HOOD	B9 D 816.6 129.8	38 16 37	121 29 45		Monthly	411	455	-	-	-	488	-	500	-	-	-
SOLDIER CREEK NEAR PANANI MEADOWS	A5 3540.01	40 12 18	121 16 14		Special	381	-	-	-	-	-	497	-	-	-	-
STEAMBOAT SLOUGH ABOVE CACHE SLOUGH	B9 D 811.0 139.3	38 10 59	121 39 20	Feb. 1968	Monthly	410	453	-	-	-	488	-	500	-	-	-
STOCKTON DIVERTING CANAL AT STOCKTON	B0 2580.00	37 58 53	121 14 54	Aug. 1969	Continuous	-	-	-	-	-	-	495	-	-	-	-
STOCKTON SHIP CHANNEL AT BURNS CUTOFF	B9 D 757.8 121.9	37 57 46	121 21 54	Sept. 1968	Continuous	-	-	-	-	-	-	-	501	-	505	507
STONY CREEK BELOW BLACK BUTTE DAM	A3 1110.00	39 49 00	122 20 10	Aug. 1957	Monthly	375	431	-	-	-	-	496	-	-	-	-
STONY CREEK NEAR FRUTO	A3 1250.00	39 40 15	122 31 05	Oct. 1960	Monthly	376	431	-	-	-	-	496	-	-	-	-
SUISUN BAY AT MIDDLE POINT *	E0 B 803.0 159.0	38 03 01	121 58 58	1945	Four-day	-	-	465	466	-	-	-	-	-	-	-
SUISUN BAY AT PORT CHICAGO	E0 B 803.4 202.3	38 03 24	122 02 20	1945	Four-day	-	-	465	466	-	-	-	-	-	-	-
SUSAN RIVER NEAR LITCHFIELD	G4 1590.01	40 22 45	120 23 35		Monthly	414	457	-	-	-	-	497	-	-	-	-
SUSAN RIVER AT SUSANVILLE	G4 1600.00	40 25 05	120 40 15	April 1951	Monthly	415	458	-	-	-	-	497	-	-	-	-
SYCAMORE SLOUGH AT DRAIN NEAR LODI	B9 D 808.8 125.8	38 08 48	121 25 46	Feb. 1969	Monthly	408	451	-	-	-	487	-	500	-	-	-
SYCAMORE SLOUGH NEAR LODI	B9 D 808.8 126.1	38 08 45	121 26 05		Monthly	409	451	-	-	-	488	-	500	-	-	-
TAYLOR CREEK NEAR CAMP RICHARDSON	G7 3571.01	38 55 50	120 03 13	July 1968	Special	-	463	-	-	-	492	497	-	-	-	-
TAYLOR SLOUGH NEAR PIPER SLOUGH	B9 D 802.6 139.9	38 02 33	121 29 55		Special	403	-	-	-	-	-	-	501	-	-	-
THOMES CREEK NEAR PASKENTA	A3 2120.00	39 52 57	122 33 03	Oct. 1958	Monthly	376	432	-	-	-	-	496	-	-	-	-
THOMES CREEK AT RICHFIELD	A0 3200.00	39 58 45	122 10 35	Jan. 1959	Irregular	367	424	-	-	-	-	496	-	-	-	-
THREE MILE SLOUGH AT SACRAMENTO RIVER	B9 D 806.4 142.0	38 06 22	121 42 02	1931	Four-day	408	451	465	466	-	487	-	501	-	-	-
THREE MILE SLOUGH AT SAN JOAQUIN RIVER	B9 D 805.2 141.1	38 05 13	121 41 07	1955	Four-day	-	-	465	466	-	-	-	501	-	-	-
TODD CREEK AT MOUTH NEAR GEORGETOWN	A7 3180.01	38 57 13	120 55 23		Special	388	436	-	-	-	-	495	-	-	-	-
TRUCKEE RIVER AT FARAD	G7 1195.00	39 25 13	120 01 51	April 1951	Continuous	415	-	-	-	-	-	497	-	503	-	-
UPPER TRUCKEE RIVER NEAR MEYERS	G7 3750.00	38 50 35	120 01 25	Oct. 1967	Annually	416	-	-	-	-	-	495	-	-	-	-
UPPER TRUCKEE RIVER NEAR MOUTH	G7 3705.01	38 55 24	119 59 28	July 1968	Special	-	464	-	-	-	492	495	-	-	-	-
VOLCANO CANYON AT MOSQUITO RIDGE RD NR FORESTHILL	A7 3252.05	39 01 40	120 47 07		Special	388	436	-	-	-	-	495	-	-	-	-
WALKER RIVER, EAST, NEAR BRIDGEPORT	G9 3200.00	38 19 40	119 12 49	Aug. 1958	Bimonthly	417	-	-	-	-	-	493	-	-	-	-
WALKER RIVER, WEST, NEAR COLEVILLE	G9 2460.00	38 22 48	119 27 00	Aug. 1958	Bimonthly	417	-	-	-	-	-	493	-	-	-	-
WARNER CREEK AT HIGH BRIDGE	A5 3738.01	40 20 33	121 18 14		Special	382	-	-	-	-	-	497	-	-	-	-
WEBER CREEK NEAR SALMON FALLS	A7 4100.10	38 45 44	120 58 58		Special	389	436	-	-	-	-	495	-	-	-	-
WHISKEY SLOUGH AT HOLT	B9 D 756.1 125.8	37 56 07	121 25 49		Monthly	397	442	-	-	-	483	-	501	-	-	-
WHITE SLOUGH NEAR LODI	B9 D 805.2 126.0	38 05 07	121 26 03		Monthly	407	450	-	-	-	487	-	501	-	-	-
WHITE SLOUGH AT RIO BLANCO TRACT NEAR LODI	B9 D 805.2 124.1	38 05 14	121 24 07		Monthly	406	450	-	-	-	487	-	501	-	-	-
WILLOW CREEK AT FEATHER RIVER HOMESITES	A5 3778.01	40 20 57	121 19 30		Special	382	-	-	-	-	-	497	-	-	-	-
WILLOW CREEK AT NATOMA	A7 1114.01	38 39 25	121 10 53		Special	385	435	-	-	-	-	495	-	-	-	-
YELLOW CREEK AT HUMBUG VALLEY	A5 3365.00	40 07 28	121 14 42		Special	381	-	-	-	-	-	497	-	-	-	-
YELLOW CREEK NEAR HUMBUG VALLEY	A5 3368.60	40 09 25	121 17 33		Special	381	-	-	-	-	-	497	-	-	-	-
YUBA RIVER AT MARYSVILLE	A0 6120.00	39 08 32	121 34 30	April 1951	Irregular	370	427	-	-	-	-	496	-	502	-	506
YUBA RIVER AT PARKS BAR BRIDGE	A0 6300.00	39 13 17	121 20 05	April 1951	Semiannually	370	427	-	-	-	-	497	-	-	-	-
YUBA RIVER, MIDDLE, ABOVE OREGON CREEK	A6 3240.00	39 23 37	121 04 49	March 1957	Semiannually	384	435	-	-	-	-	497	-	-	-	-
YUBA RIVER, NORTH, BELOW GOODYEARS BAR	A6 2270.00	39 31 29	120 56 13	Oct. 1957	Semiannually	384	435	-	-	-	-	497	-	-	-	-
YUBA RIVER, SOUTH, AT JONES BAR	A6 4150.00	39 17 34	121 06 01	April 1958	Special	384	435	-	-	-	-	497	-	-	-	-

* Previously reported as SUISUN BAY AT NICHOLS.

TABLE D-2

MINERAL ANALYSES OF SURFACE WATER

Abbreviations

LAB - The laboratory which analyzed the sample:

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.

SAMPLER - 5001 U. S. Bureau of Reclamation.
5002 U. S. Army Corps of Engineers.
5050 Department of Water Resources.

G.H. - Instantaneous gage height in feet above an established datum.

Q or DEPTH - Instantaneous discharge measured in cubic feet per second (cfs) or depth at which sample was collected.

DO - Dissolved oxygen content in milligrams per liter.

SAT - Percent saturation.

TEMP - Water temperature in degrees Fahrenheit and Celsius.

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° Celsius.

SUM - Summation of analyzed constituents in prescribed manner.

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 D-2

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	MILLIGRAMS PER LITER TDS SUM	TH NCH
			AO X 846.8 136.2				NATOMAS CROSS CANAL AT VERONA													
09/02/69	5050	18.15	6.5	74 F	--	335	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1110	5050		77	23 C	7.4	310														
09/16/69	5050	17.56	3.7	69 F	--	312	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0945	5050		41	21 C	9.0	300														

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	MILLIGRAMS PER LITER TDS SUM	TH NCH
			AO 0058.00				AUBURN RAVINE AT LINCOLN													
04/01/69	5050		11.1	61 F	8.3	176	14	9.2	8.8	--	0.0	82	--	5.8	--	--	--	--	--	73
1350	5050	50	113	16 C	7.6	175	.70	.76	.38			1.34		.16						6
							39	43	21			76		9						
09/03/69	5050		8.9	65 F	7.6	63	5.2	2.1	3.1	--	0.0	26	--	2.3	--	--	--	--	--	22
0830	5050	40	95	18 C	7.1	56	.26	.18	.13			.43		.06						1
							41	29	20			68		9						
			AO 2112.00				SACRAMENTO RIVER AT ELKHORN FERRY													
08/19/69	5050		8.5	71 F	--	199	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1020	5050		97	22 C	7.4	139														
09/02/69	5050		9.7	69 F	--	148	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1210	5050		109	21 C	7.5	140														
09/16/69	5050	15.04	9.5	65 F	--	158	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5050		102	18 C	8.8	157														
			AO 2195.01				SACRAMENTO RIVER BELOW KNIGHTS LANDING													
10/04/68	5050	18.68	9.7	63 F	7.3	148	--	--	9.4	--	0.0	71	--	3.8	--	--	0.0	--	--	56
1300	5050	9280	101	17 C	7.8				.41			1.16		.11						0
									27			78		7						
11/08/68	5050	18.77	10.1	56 F	8.1	179	--	--	13	--	0.0	85	--	6.8	--	--	0.0	--	--	72
1440	5050	9580	97	13 C	7.6				.57			1.39		.19						3
									31			77		10						
12/06/68	5050	18.47	11.4	48 F	8.2	183	--	--	12	--	0.0	85	--	7.1	--	--	0.0	--	--	73
1315	5050	9020	98	9 C	7.6				.52			1.39		.20						4
									28			75		10						
01/10/69	5050	21.30	11.7	44 F	8.0	270	--	--	21	--	0.0	107	--	13	--	--	0.0	--	--	94
1415	5050	11800	95	7 C	7.6				.91			1.75		.37						7
									33			64		13						
05/07/69	5050	24.19	9.9	61 F	7.7	162	12	6.8	9.4	1.2	0.0	71	14	7.1	1.1	--	0.0	--	113	58
1325	5050	12600	101	16 C	7.3		.60	.56	.41	.03		1.16	.29	.20	.02				86	0
							38	35	26	2		69	17	12	1					
06/09/69	5050	23.75	9.8	63 F	7.8	164	--	--	12	--	0.0	72	--	6.4	--	--	0.0	--	--	56
1145	5050	14100	102	17 C	7.5				.52			1.18		.18						0
									31			71		10						
07/07/69	5050	19.71	9.6	70 F	8.1	151	--	--	9.4	--	0.0	72	--	4.3	--	--	0.0	--	--	57
1330	5050	10100	109	21 C	7.8				.41			1.18		.12						0
									27			78		7						
08/05/69	5050	19.59	9.6	70 F	8.3	173	--	--	12	--	0.0	78	--	5.7	--	--	0.0	--	--	60
1300	5050	8960	109	21 C	7.8				.52			1.28		.16						0
									30			73		9						
09/02/69	5050	22.32	9.7	69 F	7.4	187	12	8.5	13	1.1	0.0	87	9.9	6.1	0.2	--	0.1	--	124	65
1250	5050	11700	109	21 C	7.5		.60	.70	.57	.03		1.43	.21	.17					94	0
							32	37	30	2		79	12	9						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
			AO 2420.00				SACRAMENTO RIVER AT COLUSA													
10/04/68	5050	43.23	9.6	62 F	7.8	133	--	--	7.5	--	0.0	72	--	2.7	--	--	0.1	--	--	51
0730	5050	7890	99	17 C	7.8				.33			1.18		.08						0
									24			88		6						
11/08/68	5050	43.25	10.0	56 F	8.0	144	--	--	8.8	--	0.0	76	--	4.7	--	--	0.1	--	--	54
0830	5050	7770	96	13 C	7.6				.38			1.25		.13						0
									26			86		9						
12/05/68	5050	43.33	10.1	49 F	8.0	150	--	--	8.9	--	0.0	75	--	4.7	--	--	0.0	--	--	59
0850	5050	7800	88	9 C	7.6				.39			1.23		.13						0
									26			82		8						
01/10/69	5050	44.89	11.7	43 F	7.9	177	--	--	8.4	--	0.0	85	--	5.4	--	--	0.0	--	--	81
0910	5050	9620	94	6 C	7.4				.37			1.39		.15						12
									20			78		8						
02/06/69	5050	61.34	11.7	44 F	7.4	123	--	--	5.4	--	0.0	60	--	3.0	--	--	0.0	--	--	50
1530	5050	32700	95	7 C	7.4				.23			.98		.08						1
									18			79		6						
03/06/69	5050	59.63	11.2	48 F	8.3	167	--	--	6.1	--	0.0	80	--	3.6	--	--	0.0	--	--	73
0925	5050	29300	96	9 C	7.4				.27			1.31		.10						8
									16			78		5						
04/08/69	5050	52.34	10.5	51 F	7.6	128	--	--	5.1	--	0.0	62	--	2.6	--	--	0.0	--	--	53
0915	5050	18400	94	11 C	7.4				.22			1.02		.07						2
									17			79		5						
05/07/69	5050	48.57	10.3	58 F	7.7	127	11	5.2	5.8	1.0	0.0	60	7.9	4.5	0.7	--	0.1	--	80	49
0805	5050	13900	101	14 C	7.5		.55	.43	.25	.03		.98	.16	.13	.01				66	0
							44	34	20	2		77	13	10	1					
06/09/69	5050	48.72	9.9	59 F	7.8	117	--	--	5.5	--	0.0	59	--	3.6	--	--	0.0	--	--	46
0815	5050	14000	98	15 C	7.4				.24			.97		.10						0
									20			82		8						
07/07/69	5050	45.75	9.8	65 F	8.0	120	--	--	5.9	--	0.0	63	--	2.6	--	--	0.0	--	--	50
0705	5050	10600	105	18 C	7.6				.26			1.03		.07						0
									21			85		5						
08/05/69	5050	44.62	9.1	65 F	8.0	118	--	--	5.7	--	0.0	62	--	2.5	--	--	0.0	--	--	51
0815	5050	9320	97	18 C	7.6				.25			1.02		.07						0
									21			86		5						
09/02/69	5050	45.61	10.5	65 F	7.3	116	10	5.1	5.2	1.2	0.0	59	3.4	2.3	0.0	--	0.0	--	89	46
1605	5050	10400	112	18 C	7.8		.50	.42	.23	.03		.97	.07	.06					56	0
							42	36	19	3		88	6	5						
			AO 2430.02				SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN													
10/04/68	5050	18.68	9.7	63 F	7.1	130	--	--	7.2	--	0.0	70	--	2.6	--	--	0.0	--	--	52
1150	5050	9000	101	17 C	7.8				.31			1.15		.07						0
									23			88		5						
11/08/68	5050	18.77	10.0	56 F	7.8	150	--	--	9.2	--	0.0	77	--	5.4	--	--	0.0	--	--	57
1350	5050	8905	96	13 C	7.7				.40			1.26		.15						0
									26			84		10						
12/06/68	5050	18.47	11.4	48 F	8.0	157	--	--	9.4	--	0.0	78	--	5.2	--	--	0.1	--	--	64
1230	5050	8830	98	9 C	7.6				.41			1.28		.15						0
									26			81		9						
01/10/69	5050	21.30	11.7	44 F	8.0	183	--	--	9.2	--	0.0	87	--	6.0	--	--	0.0	--	--	82
1330	5050	11300	95	7 C	7.5				.40			1.43		.17						11
									21			78		9						
02/07/69	5050	36.74	11.6	45 F	7.3	135	--	--	6.6	--	0.0	66	--	3.8	--	--	0.0	--	--	54
1250	5050	24470	96	7 C	7.4				.29			1.08		.11						0
									21			80		8						
03/06/69	5050	36.35	11.3	49 F	7.5	175	--	--	7.9	--	0.0	87	--	4.5	--	--	0.0	--	--	73
1535	5050	21940	99	9 C	7.5				.34			1.43		.13						2
									19			81		7						
04/09/69	5050	31.52	10.6	53 F	7.6	143	--	--	7.1	--	0.0	67	--	4.6	--	--	0.0	--	--	55
1045	5050	17030	98	12 C	7.5				.31			1.10		.13						0
									21			76		9						
05/07/69	5050	24.18	10.1	60 F	7.6	137	12	5.8	6.6	1.1	0.0	66	6.6	3.8	0.6	--	0.0	--	94	54
1245	5050	12154	102	16 C	7.6		.60	.48	.29	.03		1.08	.14	.11	.01				69	0
							43	34	21	2		81	10	8	1					
06/09/69	5050	23.75	10.0	62 F	7.4	131	--	--	7.2	--	0.0	63	--	5.1	--	--	0.0	--	--	50
1145	5050	13370	103	17 C	7.3				.31			1.03		.14						0
									23			78		10						
07/07/69	5050	19.71	9.7	70 F	8.2	133	--	--	7.0	--	0.0	66	--	3.3	--	--	0.0	--	--	59
1240	5050	9673	110	21 C	7.8				.30			1.08		.09						5
									22			81		6						
08/04/69	5050	19.49	9.1	70 F	7.9	129	--	--	7.0	--	0.0	63	--	3.4	--	--	0.0	--	--	58
1410	5050	8120	103	21 C	7.6				.30			1.03		.10						7
									23			79		7						
08/19/69	5050		9.8	68 F	--	146	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1050	5050	8340	108	20 C	7.6															

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
			AO 2430.02				SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN CONTINUED													
09/02/69	5050	22.32	10.3	66 F	7.7	138	9.8	6.7	7.8	0.5	0.0	67	5.1	3.5	0.2	--	0.1	--	100	52
1025	5050	10335	111	19 C	7.6		.49	.55	.34	.01		1.10	.11	.10					67	0
							35	40	24	1		84	8	8						
09/16/69	5050		9.9	65 F	--	146	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1005	5050	8850	106	18 C	7.8															
			AO 2500.00				SACRAMENTO RIVER AT BUTTE CITY													
10/03/68	5050	71.30	10.1	64 F	7.9	131	--	--	7.5	--	0.0	72	--	2.7	--	--	0.0	--	--	52
1430	5050	7980	107	18 C	7.8				.33			1.18		.08						0
									25			90		6						
11/07/68	5050	71.31	10.4	56 F	8.0	143	--	--	8.7	--	0.0	74	--	4.5	--	--	0.1	--	--	54
1540	5050	8040	100	13 C	7.4				.38			1.21		.13						0
									26			84		9						
01/09/69	5050	72.14	11.9	44 F	8.1	176	--	--	8.1	--	0.0	84	--	5.4	--	--	0.0	--	--	81
1620	5050	10100	97	7 C	7.6				.35			1.38		.15						12
									19			78		8						
03/07/69	5050	78.31	11.1	49 F	8.3	173	--	--	6.4	--	0.0	84	--	3.6	--	--	0.0	--	--	76
1710	5050	26000	97	9 C	7.4				.28			1.38		.10						7
									16			79		5						
05/08/69	5050	74.69	10.4	61 F	7.6	120	11	5.0	5.7	1.0	0.0	60	6.1	3.9	0.4	--	0.1	--	73	48
1545	5050	15500	106	16 C	7.6		.55	.41	.25	.03		.98	.13	.11	.01				63	0
							44	33	20	2		80	11	9	1					
07/07/69	5050	72.79	11.6	62 F	8.1	115	--	--	5.6	--	0.0	61	--	2.5	--	--	0.0	--	--	49
0800	5050	10900	120	17 C	7.6				.24			1.00		.07						0
									20			86		6						
09/03/69	5050	72.57	10.9	65 F	7.8	115	9.7	5.1	5.2	1.3	0.0	58	2.8	2.3	0.1	--	0.1	--	97	45
1425	5050	10600	117	18 C	7.6		.48	.42	.23	.03		.95	.06	.06					55	0
							41	35	20	3		89	6	6						
			AO 2630.00				SACRAMENTO RIVER AT HAMILTON CITY													
10/03/68	5050	28.46	9.9	60 F	7.8	124	--	--	7.2	--	0.0	68	--	2.7	--	--	0.1	--	--	50
1040	5050	7670	100	16 C	7.5				.31			1.12		.08						0
									25			90		6						
11/07/68	5050	28.53	10.1	56 F	7.8	137	--	--	8.2	--	0.0	72	--	4.2	--	--	0.1	--	--	51
1135	5050	7900	97	13 C	7.6				.36			1.18		.12						0
									26			86		8						
01/09/69	5050	28.71	11.8	43 F	8.1	171	--	--	8.0	--	0.0	79	--	5.0	--	--	0.0	--	--	77
1230	5050	8310	95	6 C	7.4				.35			1.30		.14						12
									20			76		8						
03/07/69	5050	32.21	11.3	47 F	8.3	162	--	--	6.3	--	0.0	77	--	3.0	--	--	0.0	--	--	75
1215	5050	20000	96	8 C	7.3				.27			1.26		.08						12
									16			77		4						
05/08/69	5050	31.00	11.1	56 F	7.6	113	10	4.9	5.3	1.0	0.0	55	6.1	3.6	0.5	--	0.1	--	70	45
1020	5050	16400	106	13 C	7.6		.50	.40	.23	.03		.90	.13	.10	.01				58	0
							43	34	20	3		79	11	9	1					
07/08/69	5050	29.57	11.4	60 F	7.5	114	--	--	5.4	--	0.0	57	--	2.2	--	--	0.0	--	--	46
1100	5050	11100	115	16 C	7.6				.23			.93		.06						0
									20			81		5						
09/03/69	5050	29.44	11.1	62 F	7.7	110	9.8	4.5	4.9	1.2	0.0	56	4.1	2.0	0.0	--	0.0	--	65	43
1045	5050	10700	115	17 C	7.6		.49	.37	.21	.03		.92	.09	.06					54	0
							45	34	19	3		86	8	6						
			AO 2785.00				SACRAMENTO RIVER AT BEND													
10/07/68	5050	19.07	10.8	57 F	7.6	120	--	--	7.0	--	0.0	66	--	2.2	0.0	--	0.0	--	--	49
1300	5050	7000	105	14 C	7.4				.30			1.08		.06						0
									25			90		5						
11/06/68	5050	19.22	11.0	55 F	8.2	130	--	--	7.7	--	0.0	70	--	3.5	0.7	--	0.0	--	--	56
1330	5050	7450	104	13 C	7.3				.33			1.15		.10	.01					0
									25			88		7						
01/03/69	5050	20.02	11.5	46 F	7.8	147	--	--	7.7	--	0.0	65	--	4.6	2.7	--	0.0	--	--	59
0850	5050	9700	96	8 C	7.6				.33			1.07		.13	.04					6
									22			72		8	2					
03/03/69	5050	25.21	11.8	44 F	7.6	119	--	--	5.0	--	0.0	60	--	2.2	0.8	--	0.0	--	--	50
0840	5050	26200	96	7 C	7.1				.22			.98		.06	.01					1
									18			82		5						
05/01/69	5050	21.82	12.3	50 F	7.6	119	11	4.5	5.3	0.8	0.0	53	8.7	2.9	0.5	--	0.0	--	87	46
1050	5050	14500	109	10 C	7.1		.55	.37	.23	.02		.87	.18	.08	.01				60	3
							47	32	20	2		76	16	7	1					
07/02/69	5050	21.46	10.4	52 F	8.3	108	--	--	5.4	--	0.0	58	--	2.2	0.2	--	0.0	--	--	46
0830	5050	13500	95	11 C	7.3				.23			.95		.06						0
									21			87		5						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP		PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
								MINERAL CONSTITUENTS IN	MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER			
			AO 2785.00					SACRAMENTO RIVER AT BEND								CONTINUED					
09/03/69	5050	20.88	10.6	54	F	7.5	105	8.9	5.4	4.4	0.7	0.0	57	1.8	2.0	0.2	--	0.0	--	71	44
0800	5050	11900	99	12	C	7.1		.44	.44	.19	.02		.93	.04	.06					51	0
								40	40	17	2		90	4	6						
			AO 2925.00					SACRAMENTO SLOUGH NEAR KNIGHTS LANDING													
10/04/68	5050		8.5	67	F	8.1	772	--	--	70	--	0.0	267	--	101	--	--	0.1	--	--	247
1400	5050	401	93	19	C	8.2				3.05			4.38		2.85						28
										39			56		36						
11/08/68	5050		8.6	57	F	8.3	350	--	--	22	--	0.0	176	--	17	--	--	0.0	--	--	137
1520	5050	336	83	14	C	7.8				.96			2.89		.48						0
										27			82		13						
12/06/68	5050		10.2	46	F	8.3	394	--	--	24	--	0.0	197	--	18	--	--	0.1	--	--	154
1420	5050	304	86	8	C	7.7				1.04			3.23		.51						0
										26			81		12						
05/07/69	5050		7.9	68	F	7.7	219	17	12	11	1.5	0.0	112	9.7	6.1	1.7	--	0.1	--	122	94
1415	5050	853	87	20	C	7.3		.85	.99	.48	.04		1.84	.20	.17	.03				114	2
								36	42	20	2		82	9	8	1					
06/09/69	5050		7.2	70	F	7.6	318	--	--	21	--	0.0	164	--	13	--	--	0.0	--	--	126
1420	5050	1320	81	21	C	7.6				.91			2.69		.37						0
										28			84		11						
07/07/69	5050		7.4	80	F	7.9	440	--	--	32	--	0.0	211	--	27	--	--	0.0	--	--	167
1425	5050	557	93	27	C	8.0				1.39			3.46		.76						0
										31			78		17						
08/04/69	5050		6.7	83	F	8.3	348	--	--	21	--	0.0	204	--	8.7	--	--	0.0	--	--	145
1430	5050	954	87	28	C	7.6				.91			3.35		.25						0
										26			96		7						
08/19/69	5050		7.1	75	F	--	468	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1000	5050	631	85	24	C	7.8															
09/02/69	5050		6.9	75	F	7.5	463	29	23	34	1.7	0.0	229	11	31	1.2	--	0.1	--	254	169
0935	5050	1025	83	24	C	7.8		1.45	1.89	1.48	.04		3.76	.23	.87	.02				243	0
								30	39	30	1		77	5	18						
09/16/69	5050		7.5	69	F	--	529	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0910	5050	854	84	21	C	7.9															
			AO 2933.00					RD 108 DRAIN TO SACRAMENTO RIVER NEAR KNIGHTS LANDING													
08/06/69	5050			74	F	--	575	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0625	5050	266		23	C																
09/02/69	5050			70	F	--	522	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0740	5050	387		21	C																
			AO 2947.10					COLUSA BASIN DRAIN NEAR KNIGHTS LANDING													
10/04/68	5050		10.0	67	F	8.3	648	34	34	66	2.2	0.0	231	84	38	2.5	--	0.2	--	364	190
0955	5050	280	110	19	C	8.4		1.70	2.79	2.87	.06		3.79	1.75	1.07	.04				374	1
								23	38	39	1		57	26	16	1					
11/08/68	5050		8.8	57	F	8.3	640	27	23	73	3.4	0.0	212	81	38	2.5	--	0.2	--	371	161
1215	5050	575	85	14	C	7.9		1.35	1.89	3.18	.09		3.48	1.68	1.07	.04				352	0
								21	29	49	1		56	27	17	1					
12/06/68	5050		11.1	45	F	8.5	1263	54	61	154	3.9	7.0	314	236	104	2.2	--	0.4	--	807	323
1120	5050	190	92	7	C	8.2		2.69	5.01	6.70	.10	.23	5.15	4.91	2.93	.04				776	54
								19	35	46	1	2	39	37	22						
01/10/69	5050		11.5	42	F	8.4	1270	46	48	157	3.7	4.0	303	257	98	2.8	--	0.4	--	810	311
1150	5050	500	91	6	C	8.2		2.30	3.95	6.83	.09	.13	4.97	5.35	2.76	.05				765	56
								17	30	52	1	1	37	40	21						
02/07/69	5050		10.7	46	F	8.3	586	27	19	65	2.4	0.0	160	88	42	6.5	--	0.2	--	335	144
1035	5050	2630	90	8	C	8.0		1.35	1.56	2.83	.06		2.62	1.83	1.18	.10				329	13
								23	27	49	1		46	32	21	2					
03/06/69	5050		10.1	51	F	8.1	471	26	18	44	2.5	0.0	170	58	22	5.2	--	0.2	--	270	138
1315	5050	3760	91	11	C	8.0		1.30	1.48	1.91	.06		2.79	1.21	.62	.08				259	0
								27	31	40	1		59	26	13	2					
04/09/69	5050		9.5	59	F	8.2	864	38	29	98	1.5	0.0	242	140	64	2.6	--	0.2	--	510	215
1210	5050	570	95	15	C	8.3		1.90	2.38	4.26	.04		3.97	2.91	1.80	.04				492	17
								22	28	50			46	33	21						
05/07/69	5050		8.0	70	F	7.7	590	28	21	61	2.6	0.0	166	111	34	3.8	--	0.3	--	351	158
1120	5050	446	91	21	C	7.6		1.40	1.73	2.65	.07		2.72	2.31	.96	.06				343	22
								24	30	45	1		45	38	16	1					
06/09/69	5050		6.8	71	F	8.3	686	29	27	83	1.6	0.0	226	106	45	2.6	--	0.4	--	445	184
1305	5050	724	78	22	C	7.8		1.45	2.22	3.61	.04		3.71	2.20	1.27	.04				405	0
								20	30	49	1		51	30	18	1					

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP		PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: F	B	SIO2	TDS SUM	TH NCH
			AO 2947.10					COLUSA BASIN DRAIN NEAR KNIGHTS LANDING								CONTINUED					
07/07/69	5050		10.1	82	F	8.3	655	34	26	75	1.2	0.0	254	87	33	3.2	--	0.3	--	381	192
1135	5050	427	130	28	C	8.4		1.70	2.14	3.26	.03		4.17	1.81	.93	.05				384	0
								24	30	46			60	26	13	1					
08/04/69	5050		6.3	82	F	7.7	591	31	25	65	1.1	0.0	257	65	27	1.7	--	0.3	--	331	182
1425	5050	840	81	28	C	7.8		1.55	2.06	2.83	.03		4.21	1.35	.76	.03				342	0
								24	32	44			66	21	12						
08/19/69	5050		7.0	74	F	--	582	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1115	5050	861	83	23	C	8.2															
09/02/69	5050		7.0	74	F	7.6	556	31	22	59	1.7	0.0	243	52	28	1.1	--	0.3	--	333	168
1100	5050	1365	83	23	C	8.0		1.55	1.81	2.57	.04		3.99	1.08	.79	.02				314	0
								26	30	43	1		68	18	13						
09/16/69	5050		8.1	69	F	--	562	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1045	5050	1248	91	21	C	8.1															
			AO 2950.00					RECLAMATION DISTRICT 787 DRAINAGE TO COLUSA BASIN DRAIN													
09/02/69	5050			74	F	--	547	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0830	5050	9.0		23	C																
09/15/69	5050			65	F	--	760	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1010	5050			18	C																
			AO 2955.00					RECLAMATION DISTRICT 787 DRAINAGE TO SACRAMENTO RIVER													
08/06/69	5050	19.00		72	F	--	602	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0630	5050	60		22	C																
08/21/69	5050			--		--	586	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5050	60																			
09/02/69	5050			70	F	--	717	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0830	5050	550		21	C																
09/15/69	5050			62	F	--	822	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1000	5050	62		17	C																
			AO 2965.00					RECLAMATION DISTRICT 70 DRAINAGE TO SACRAMENTO RIVER													
08/06/69	5050			77	F	--	531	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1040	5050	280		25	C																
08/19/69	5050			67	F	--	586	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0845	5050	24		19	C																
09/02/69	5050			72	F	--	533	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0600	5050	28		22	C																
09/17/69	5050			--		--	547	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5050	39																			
			AO 2967.00					BUTTE SLOUGH AT OUTFALL GATES													
08/04/69	5050		8.5	82	F	--	343	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1215	5050	0.0	110	28	C	8.0															
08/19/69	5050		6.7	74	F	--	334	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0810	5050	201	79	23	C	7.8															
09/02/69	5050		6.7	73	F	--	309	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0725	5050	287	78	23	C	7.4															
09/16/69	5050		7.4	68	F	--	276	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0720	5050	557	82	20	C	7.4															

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.M. Q	DO SAT	TEMP		PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: F	B	SIO2	TOS SUM	TH NCH
			AO 2976.00					COLUSA BASIN DRAIN NEAR COLUSA													
10/04/68	5050	38.45	8.4	65	F	8.1	595	34	29	59	1.6	0.0	213	76	35	1.5	--	0.1	--	322	174
0830	5050	217	90	18	C	8.1		1.70	2.38	2.57	.04		3.49	1.58	.99	.02				341	0
								25	36	38	1		57	26	16						
11/08/68	5050	40.82	8.8	56	F	8.2	453	22	22	45	3.6	0.0	163	53	22	2.6	--	0.2	--	269	124
0915	5050	671	84	13	C	7.6		1.10	1.81	1.96	.09		2.67	1.10	.62	.04				250	0
								22	36	40	2		60	25	14	1					
12/06/68	5050	38.06	11.2	45	F	8.5	1218	51	62	146	2.6	7.0	316	221	95	1.7	--	0.4	--	764	319
0915	5050	143	93	7	C	8.2		2.54	5.10	6.35	.07	.23	5.18	4.60	2.68	.03				742	49
								18	36	45		2	41	36	21						
01/10/69	5050	38.91	11.9	42	F	8.3	1210	44	45	146	3.1	0.0	320	228	90	2.7	--	0.4	--	740	297
0950	5050	306	94	6	C	8.2		2.20	3.70	6.35	.08		5.25	4.74	2.54	.04				716	35
								18	30	52	1		42	38	20						
02/07/69	5050	48.33	10.2	45	F	7.8	369	19	11	38	3.0	0.0	113	47	21	6.7	--	0.2	--	228	93
0840	5050	2570	84	7	C	7.8		.95	.90	1.65	.08		1.85	.98	.59	.11				201	1
								27	25	46	2		52	28	17	3					
03/06/69	5050	48.24	9.8	50	F	7.9	613	34	24	59	2.7	0.0	216	81	31	10	--	0.2	--	357	182
1035	5050	2520	87	10	C	8.1		1.70	1.97	2.57	.07		3.54	1.68	.87	.16				348	5
								27	31	41	1		57	27	14	3					
04/09/69	5050	39.76	9.5	62	F	7.9	791	26	34	89	1.4	0.0	236	123	58	2.6	--	0.1	--	463	205
1435	5050	439	98	17	C	8.2		1.30	2.79	3.87	.04		3.87	2.56	1.64	.04				450	12
								16	35	48	1		48	32	20						
05/07/69	5050	39.95	8.0	68	F	7.6	527	26	20	54	2.3	0.0	160	92	28	3.5	--	0.2	--	299	146
1005	5050	479	89	20	C	8.0		1.30	1.64	2.35	.06		2.62	1.91	.79	.06				304	15
								24	31	44	1		49	36	15	1					
06/09/69	5050	41.07	8.1	68	F	8.0	536	27	21	56	1.1	0.0	198	79	28	1.5	--	0.3	--	352	155
0920	5050	646	90	20	C	7.9		1.35	1.73	2.44	.03		3.25	1.64	.79	.02				311	0
								24	31	44	1		57	29	14						
07/07/69	5050	40.24	7.4	76	F	8.2	568	32	23	60	0.8	0.0	230	73	26	1.6	--	0.2	--	342	176
0920	5050	422	90	24	C	8.0		1.60	1.89	2.61	.02		3.77	1.52	.73	.03				329	0
								26	31	43			62	25	12						
08/05/69	5050	41.73	7.7	74	F	8.4	489	30	22	50	1.3	5.0	219	50	20	1.2	--	0.2	--	286	164
0925	5050	822	91	23	C	8.0		1.50	1.81	2.18	.03	.17	3.59	1.04	.56	.02				287	0
								27	33	39	1	3	67	19	10						
09/02/69	5050	42.96	8.4	74	F	8.2	485	30	20	48	1.4	0.0	229	42	20	0.8	--	0.2	--	310	159
1510	5050	1120	99	23	C	8.6		1.50	1.64	2.09	.04		3.76	.87	.56	.01				275	0
								28	31	40	1		72	17	11						
			AO 3200.00					THOMES CREEK AT RICHFIELD													
01/03/69	5050		12.6	46	F	8.3	315	--	--	8.4	--	0.0	145	--	6.0	--	--	0.0	--	--	154
1155	5050	120	106	8	C	8.2				.37			2.38		.17						35
										11			75		5						
04/30/69	5050		11.2	59	F	7.9	131	18	4.1	2.6	1.3	0.0	68	7.7	1.6	0.4	--	0.1	--	66	62
1405	5050	150	111	15	C	7.5		.90	.34	.11	.03		1.12	.16	.05	.01				69	6
								65	25	8	2		84	12	4	1					
			AO 3320.00					ELDER CREEK AT GERBER													
01/03/69	5050	5.35	12.4	46	F	8.3	391	--	--	15	--	0.0	183	--	18	--	--	0.1	--	--	171
1125	5050	105	104	8	C	8.2				.65			3.00		.51						21
										16			76		13						
03/03/69	5050	6.78	12.3	47	F	7.8	304	--	--	6.8	--	0.0	177	--	4.5	--	--	0.0	--	--	153
1050	5050	420	105	8	C	8.0				.30			2.90		.13						8
										9			95		4						
04/30/69	5050	6.52	11.0	56	F	7.7	161	15	9.1	4.4	3.4	0.0	86	4.9	5.1	1.2	--	0.0	--	102	75
1005	5050	240	106	13	C	7.8		.75	.75	.19	.09		1.41	.10	.14	.02				85	5
								42	42	11	5		84	6	8	1					
07/03/69	5050	5.79	12.1	74	F	8.7	373	--	--	14	--	4.0	180	--	23	--	--	0.0	--	--	177
0940	5050	6.4	143	23	C	8.3				.61		.13	2.95		.65						23
										16		3	79		17						
			AO 3460.00					RED BANK CREEK NEAR RED BLUFF													
01/03/69	5050	4.34	12.0	49	F	8.4	378	--	--	12	--	2.0	172	--	5.8	--	--	0.0	--	--	174
1505	5050	108	105	9	C	8.2				.52		.07	2.82		.16						30
										13		1	74		4						
03/03/69	5050	5.58	11.6	51	F	8.3	406	--	--	9.8	--	0.0	215	--	2.4	--	--	0.0	--	--	216
1330	5050	361	104	11	C	8.1				.43			3.53		.07						40
										10			86		1						
04/30/69	5050	4.69	10.6	68	F	8.3	443	32	34	12	0.8	0.0	232	40	7.3	0.7	--	0.0	--	238	220
1145	5050	18	117	20	C	8.2		1.60	2.79	.52	.02		3.80	.83	.21	.01				240	30
								32	57	11			78	17	4						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP		PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	MILLIGRAMS PER LITER TDS SUM	TH NCH
			AO 3520.00					COTTONWOOD CREEK NEAR COTTONWOOD													
10/07/68	5050		11.9	64	F	8.0	162	--	--	7.6	--	0.0	91	--	3.2	--	--	0.0	--	--	68
1345	5050	84	126	18	C	7.4				.33			1.49		.09						0
										20			91		5						
11/06/68	5050		10.7	55	F	8.4	294	--	--	12	--	2.0	125	--	20	--	--	0.0	--	--	131
1115	5050	95	101	13	C	8.0				.52		.07	2.05		.56						25
										17		2	69		19						
12/05/68	5050		14.3	51	F	8.3	337	--	--	14	--	0.0	139	--	23	--	--	0.0	--	--	136
1315	5050	114	128	11	C	8.0				.61			2.28		.65						22
										18			67		19						
01/06/69	5050		13.3	42	F	8.2	216	--	--	8.2	--	0.0	102	--	4.7	--	--	0.0	--	--	104
1040	5050	2790	105	6	C	7.6				.36			1.67		.13						21
										16			77		6						
02/03/69	5050		13.1	43	F	8.3	263	--	--	8.7	--	0.0	131	--	4.5	--	--	0.0	--	--	123
1145	5050	2000	105	6	C	8.1				.38			2.15		.13						16
										14			81		4						
03/04/69	5050		12.5	45	F	8.3	267	--	--	8.9	--	0.0	128	--	3.6	--	--	0.0	--	--	125
0945	5050	2850	103	7	C	7.8				.39			2.10		.10						20
										14			78		3						
04/01/69	5050		12.0	49	F	7.8	173	--	--	4.4	--	0.0	92	--	2.2	--	--	0.0	--	--	80
1130	5050	3600	105	9	C	7.7				.19			1.51		.06						5
										10			87		3						
05/01/69	5050		11.3	56	F	7.9	174	18	8.5	4.5	0.8	0.0	91	10	4.1	0.0	--	0.0	--	92	80
1125	5050	1490	108	13	C	7.7		.90	.70	.20	.02		1.49	.21	.12					90	6
								49	38	11	1		82	12	7						
06/02/69	5050		8.5	71	F	7.7	172	--	--	5.3	--	0.0	91	--	5.1	--	--	0.0	--	--	77
0835	5050	230	97	22	C	7.5				.23			1.49		.14						3
										13			86		8						
07/02/69	5050		9.7	74	F	8.3	235	--	--	7.8	--	0.0	130	--	6.4	--	--	0.0	--	--	111
0950	5050	220	115	23	C	7.7				.34			2.13		.18						5
										14			90		7						
08/11/69	5050		7.2	80	F	8.0	216	--	--	7.8	--	0.0	118	--	5.4	--	--	0.0	--	--	98
1040	5050	80	91	27	C	7.3				.34			1.94		.15						1
										15			89		6						
09/03/69	5050		9.6	71	F	8.0	193	18	10	6.8	0.5	0.0	108	5.6	4.5	0.2	--	0.0	--	96	87
0945	5050	74	110	22	C	7.3		.90	.82	.30	.01		1.77	.12	.13					99	0
								44	40	15			88	6	6						
			AO 3540.00					COTTONWOOD CREEK BELOW N. FK. COTTONWOOD CREEK													
11/06/68	5050		11.3	53	F	8.4	313	--	--	14	--	2.0	138	--	20	--	--	0.0	--	--	142
1045	5050	43	104	12	C	7.9				.61		.07	2.26		.56						26
										19		2	72		17						
01/06/69	5050		13.2	41	F	8.2	209	--	--	7.6	--	0.0	105	--	3.0	--	--	0.0	--	--	101
1125	5050	1227	103	5	C	7.6				.33			1.72		.08						15
										15			82		3						
03/04/69	5050		12.7	44	F	8.3	230	--	--	6.8	--	0.0	117	--	2.3	--	--	0.0	--	--	109
1055	5050	1163	104	7	C	7.8				.30			1.92		.06						13
										13			83		2						
05/02/69	5050		12.0	52	F	7.9	156	12	10	3.2	0.5	0.0	86	4.9	2.0	0.1	--	0.0	--	94	73
0920	5050	759	109	11	C	7.7		.60	.82	.14	.01		1.41	.10	.06					75	3
								38	52	9	1		90	6	4						
07/02/69	5050		9.4	77	F	8.3	233	--	--	6.2	--	0.0	135	--	4.8	--	--	0.0	--	--	114
1200	5050	92	115	25	C	8.1				.27			2.21		.14						4
										11			94		6						
09/03/69	5050		9.5	77	F	8.0	283	27	16	8.6	0.5	0.0	156	6.6	11	0.1	--	0.0	--	158	135
1135	5050	18	116	25	C	8.0		1.35	1.32	.37	.01		2.56	.14	.31					146	7
								44	43	12			85	5	10						
			AO 3595.00					COTTONWOOD CREEK, S. FK., ABOVE COTTONWOOD CREEK													
11/06/68	5050	2.35	12.2	55	F	8.4	459	--	--	23	--	2.0	127	--	64	--	--	0.1	--	--	176
1210	5050	17	115	13	C	8.3				1.00		.07	2.08		1.80						71
										21		1	45		39						
01/06/69	5050	3.63	13.3	40	F	8.2	237	--	--	9.6	--	0.0	111	--	7.2	--	--	0.0	--	--	104
1005	5050	537	102	4	C	7.9				.42			1.82		.20						13
										17			76		8						
03/04/69	5050	3.82	12.8	43	F	8.3	407	--	--	12	--	0.0	191	--	6.8	--	--	0.0	--	--	185
0910	5050	520	103	6	C	8.0				.52			3.13		.19						29
										12			76		4						
05/02/69	5050	3.71	11.7	51	F	7.9	172	13	11	5.1	0.5	0.0	86	9.4	4.3	0.1	--	0.0	--	94	71
0800	5050	504	105	11	C	7.7		.65	.90	.22	.01		1.41	.20	.12					86	1
								37	51	12	1		82	12	7						
07/02/69	5050	2.94	9.3	75	F	8.3	247	--	--	9.9	--	0.0	124	--	10	--	--	0.0	--	--	114
1030	5050	63	111	24	C	8.2				.43			2.03		.28						13
										17			82		11						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.M. Q	DO SAT	TEMP	PH LAB FLD	FC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
			AO 3595.00				COTTONWOOD CREEK, S. FK., ABOVE COTTONWOOD CREEK CONTINUED													
09/03/69	5050	2.45	9.3	73 F	8.0	278	36	8.0	12	0.5	0.0	110	14	22	0.1	--	0.1	--	154	108
0905	5050	2.0	109	23 C	8.0		1.80	.66	.52	.01		1.80	.29	.62					147	18
							60	22	17			66	11	23						
			AO 4520.00				ANTELOPE CREEK NEAR MOUTH NEAR RED BLUFF													
01/03/69	5050		12.0	46 F	7.9	130	--	--	6.4	--	0.0	68	--	4.1	--	--	0.0	--	--	59
1020	5050	115	101	8 C	7.3				.28			1.12		.12						3
									21			86		9						
04/30/69	5050		10.7	56 F	7.5	96	7.5	5.0	4.6	1.0	0.0	47	4.9	4.3	0.5	--	0.1	--	59	39
0910	5050	260	103	13 C	7.3		.37	.41	.20	.03		.77	.10	.12	.01				51	1
							37	41	20	3		77	10	12	1					
09/04/69	5050		6.7	71 F	9.4	186	13	6.0	13	2.9	2.0	58	11	16	0.0	--	0.4	--	116	57
0925	5050	40	77	22 C	7.3		.65	.49	.57	.07	.07	.95	.23	.45					93	6
							37	28	32	4	4	56	14	26						
			AO 5103.00				FEATHER RIVER AT NICOLAUS													
10/02/68	5050		9.4	67 F	7.6	105	9.9	4.5	3.6	0.7	0.0	56	2.5	2.2	0.2	--	0.0	--	50	43
1010	5050	1070	103	19 C	7.5	110	.49	.37	.16	.02		.92	.05	.06					51	0
							47	36	15	2		89	5	6						
11/06/68	5050		10.9	57 F	7.8	123	12	4.6	4.2	1.7	0.0	61	5.1	3.7	0.4	--	0.0	--	69	49
1100	5050	2100	106	14 C	7.4	135	.60	.38	.18	.04		1.00	.11	.10	.01				62	0
							50	32	15	3		82	9	8	1					
12/04/68	5050		12.4	48 F	7.8	118	11	5.0	3.8	1.5	0.0	61	5.3	2.7	0.3	--	0.1	--	60	48
1140	5050		107	9 C	7.5		.55	.41	.17	.04		1.00	.11	.08					60	0
							47	35	15	3		84	9	7						
01/17/69		35.27	10.9	47.3F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1110	5050	8330	93	8.4C	7.0	100														
07/09/69	5050		7.5	77 F	7.5	82	8.5	3.4	3.0	--	0.0	40	1.8	2.2	0.2	0.0	0.0	--	63	35
1040	5050		92	25 C	7.5	99	.42	.28	.13			.66	.04	.06					39	2
							51	34	16			87	5	8						
08/06/69	5050	24.44	9.0	74.4F	7.7	75	7.8	2.6	2.4	--	0.0	42	1.2	0.5	--	0.1	0.0	--	42	30
1200	5050	5620	107	23.5C	7.4	80	.39	.21	.10			.69	.02	.01					35	0
							56	30	14			96	3	1						
08/19/69	5050	25.15	8.5	70 F	--	79	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0930	5050	6760	96	21 C	7.3	75														
09/03/69	5050	25.39	9.5	69.0F	8.2	78	7.6	3.6	2.6	--	0.0	45	2.8	2.2	--	0.0	0.0	--	62	34
1130	5050	7140	106	20.5C	7.4	79	.38	.30	.11			.74	.06	.06					41	0
							48	38	14			86	7	7						
09/16/69		25.35	9.6	63 F	--	78	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0900	5050	7080	100	17 C	8.8	90														
			AO 5136.01				FEATHER RIVER AT YUBA CITY DIVERSION													
09/03/69	5050		9.7	64.5F	8.1	73	7.9	2.8	2.3	--	0.0	41	4.5	1.7	--	0.0	0.0	--	54	31
0955	5050		103	18.0C	7.3	75	.39	.23	.10			.67	.09	.05					39	0
							54	32	14			83	11	6						
			AO 5165.00				FEATHER RIVER NEAR GRIDLEY													
10/02/68	5050		9.1	64 F	7.8	86	8.3	3.5	2.8	0.5	0.0	47	1.6	1.5	0.2	--	0.0	--	61	35
0900	5050		96	18 C	7.3	85	.41	.29	.12	.01		.77	.03	.04					41	0
							49	35	14	1		92	4	5						
11/06/68	5050		10.4	55 F	7.8	87	8.5	3.6	3.0	0.7	0.0	48	1.3	1.6	0.3	--	0.0	--	41	36
0945	5050		98	13 C	7.3	90	.42	.30	.13	.02		.79	.03	.05					43	0
							48	34	15	2		91	3	6						
12/04/68	5050		11.8	48 F	7.6	93	9.7	3.2	3.1	1.1	0.0	50	2.5	2.5	0.2	--	0.0	--	55	37
0945	5050		102	9 C	7.3		.48	.26	.13	.03		.82	.05	.07					47	0
							53	29	14	3		87	5	7						
01/08/69	5050		12.9	45 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1045	5050		107	7 C	7.6	110														
02/05/69	5050		13.0	46.3F	--	87	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1130	5050		110	7.9C	7.3															
03/05/69	5050	29.50	12.8	46 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1050	5050		107	8 C	7.4	85														
04/09/69	5050	31.20	12.3	52 F	7.6	81	10	2.4	2.8	--	0.0	44	1.3	1.9	--	0.1	0.0	--	57	35
0920	5050		112	11 C	7.2	90	.50	.20	.12			.72	.03	.05					40	0
							61	24	15			90	4	6						
05/07/69	5050	28.40	10.3	59 F	7.8	77	8.0	2.7	2.6	--	0.0	44	0.0	0.0	--	0.0	0.0	--	64	31
0920	5050		102	15 C	7.3	80	.40	.22	.11			.72							35	0
							55	30	15			100								

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT.	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
			A0 5165.00				FEATHER RIVER NEAR GRIDLEY								CONTINUED					
06/04/69	5050	26.60	9.3	65 F	7.5	71	7.7	2.4	2.7	--	0.0	40	1.5	0.9	--	0.1	0.0	--	53	29
0930	5050		100	18 C	7.3	75	.38	.20	.12			.66	.03	.03					35	0
							54	29	17			92	4	4						
07/09/69	5050		8.3	71 F	7.5	76	5.2	4.6	2.8	--	0.0	43	1.5	0.6	--	0.0	0.0	--	58	32
0835	5050		95	22 C	7.3	71	.26	.38	.12			.71	.03	.02					36	0
							34	50	16			93	4	3						
08/06/69	5050	27.50	9.9	68.3F	7.8	73	6.5	3.6	2.2	--	0.0	43	0.5	0.5	--	0.0	0.0	--	44	31
1005	5050		110	20.1C	7.4	78	.32	.30	.10			.71	.01	.01					34	0
							44	42	14			97	1	1						
09/03/69	5050	27.81	10.4	61 F	8.1	71	7.7	2.7	2.4	--	0.0	41	3.1	1.6	--	0.0	0.0	--	54	30
0840	5050		106	16 C	7.3	75	.38	.22	.10			.67	.06	.05					38	0
							54	31	14			86	8	6						
			A0 5660.00				JACK SLOUGH AT MARYSVILLE													
03/05/69	5050		10.7	49 F	7.5	151	14	7.5	5.5	--	0.0	85	--	3.1	--	--	--	--	--	66
1030	5050		94	9 C	7.1	160	.70	.62	.24			1.39		.09						0
							46	41	15			92		5						
08/21/69	5050		6.2	72 F	7.9	115	12	4.6	5.1	--	0.0	63	--	1.8	--	--	--	--	--	49
0945	5050		72	22 C	7.0	113	.60	.38	.22			1.03		.05						0
							52	33	19			89		4						
			A0 5710.01				NORTH HONCUT CH AT HWY 70 NEAR HONCUT													
03/26/69	5050		9.8	63 F	7.9	185	15	9.8	10	--	0.0	93	--	5.7	--	--	--	--	--	78
1300	5050	25	102	17 C	7.4	178	.75	.81	.44			1.53		.16						2
							40	43	23			82		8						
09/03/69	5050		7.8	80 F	8.0	137	11	7.1	8.6	--	0.0	73	--	3.8	--	--	--	--	--	57
1300	5050	8.5	98	27 C	7.3	130	.55	.59	.37			1.20		.11						0
							40	43	27			87		8						
			A0 6120.00				YUBA RIVER AT MARYSVILLE													
10/02/68	5050		9.0	64 F	7.8	160	17	8.6	4.4	--	0.0	76	--	1.9	--	--	--	--	--	78
0700	5050		95	18 C	7.4	170	.85	.71	.19			1.25		.05						16
							53	44	11			78		3						
01/23/69	5050		13.4	49 F	7.1	55	4.9	3.5	1.4	--	0.0	26	--	1.2	--	--	--	--	--	27
1320	5050		117	9 C	7.1	53	.24	.30	.06			.43		.03						6
							43	54	10			78		5						
08/07/69			8.2	77 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1100	5050			25 C	7.3	126														
08/21/69			7.9	75.8F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0845	5050			24.3C	7.3	130														
09/03/69	5050		8.3	77.5F	7.8	133	15	5.9	3.8	--	0.0	65	--	2.0	--	--	--	--	--	62
1100	5050			25.2C	7.3	133	.75	.49	.17			1.07		.06						9
							56	36	12			80		4						
			A0 6300.00				YUBA RIVER AT PARKS BAR BRIDGE													
04/10/69	5050		11.9	52 F	7.6	68	7.4	2.5	1.9	--	0.0	36	--	0.8	--	--	0.0	--	--	29
1530	5050		108	11 C	7.3	64	.37	.21	.08			.59		.02						0
							54	30	11			86		2						
09/05/69	5050		9.0	64 F	7.7	83	9.9	3.2	2.6	--	0.0	42	--	1.4	--	--	--	--	--	38
0720	5050		95	18 C	7.2	80	.49	.27	.11			.69		.04						4
							59	32	13			83		4						
			A0 6550.00				BEAR RIVER NEAR WHEATLAND													
10/02/68	5050		8.2	62 F	8.2	420	24	16	32	--	0.0	147	--	47	--	--	--	--	--	128
0600	5050	28	85	17 C	7.9	400	1.20	1.36	1.39			2.41		1.33						8
							28	32	33			57		31						
11/07/68	5050	.69	12.4	61 F	8.2	188	17	9.8	6.0	--	0.0	81	--	7.0	--	--	--	--	--	83
1400	5050	15	126	16 C	8.0	180	.85	.81	.26			1.33		.20						17
							45	43	13			70		10						
12/13/68	5050	.63	13.1	45 F	7.7	193	17	11	5.8	--	0.0	81	--	6.7	--	--	--	--	--	90
1040	5050	10.0	108	7 C	7.6	197	.85	.95	.25			1.33		.19						24
							44	49	12			68		9						
01/17/69	5050	.58	13.5	50 F	7.8	172	15	11	5.0	--	0.0	73	--	4.1	--	--	--	--	--	85
1400	5050	8.2	119	10 C	7.5	174	.75	.95	.22			1.20		.12						25
							43	55	12			69		6						
02/05/69	5050	4.90	13.3	47 F	7.7	65	5.8	3.2	1.8	--	0.0	27	--	2.1	--	--	--	--	--	28
1245	5050	2030	113	8 C	7.2	65	.29	.27	.08			.44		.06						6
							44	41	12			67		9						
03/05/69	5050	4.10	13.7	46 F	7.1	73	6.4	3.6	2.4	--	0.0	32	--	2.0	--	--	--	--	--	31
0945	5050	1350	115	8 C	7.2	72	.32	.30	.10			.52		.06						5
							43	41	13			71		8						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
			AO 6550.00				NEAR RIVER NEAR WHEATLAND								CONTINUED					
04/01/69	5050	1.04	10.7	61 F	7.4	75	6.9	3.5	2.7	--	0.0	33	--	2.4	--	--	--	--	--	32
1230	5050	104	109	16 C	7.4	75	.34	.30	.12			.54		.07						5
							45	40	16			72		9						
05/09/69	5050	1.62	9.4	65 F	7.7	78	8.1	2.6	2.8	--	0.0	32	--	4.5	--	--	--	--	--	31
0945	5050		101	18 C	7.3	80	.40	.22	.12			.52		.13						5
							51	28	15			66		16						
06/18/69	5050	1.04	8.6	72 F	7.7	83	7.8	3.5	3.2	--	0.0	35	--	3.9	--	--	--	--	--	34
1230	5050		100	22 C	7.4	82	.39	.29	.14			.57		.11						6
							46	34	16			68		13						
07/01/69	5050	.47	8.7	82 F	7.9	129	14	6.5	4.2	--	0.0	63	--	4.4	--	--	--	--	--	62
1345	5050	21	112	28 C	7.9	138	.70	.54	.18			1.03		.12						11
							54	41	13			79		9						
08/07/69	5050	.52	8.8	81 F	8.2	169	15	8.8	5.5	--	0.0	73	--	5.5	--	--	--	--	--	74
1220	5050	20	112	27 C	7.8	160	.75	.73	.24			1.20		.16						14
							44	43	14			71		9						
09/03/69	5050	.53	8.5	75 F	7.6	146	12	7.5	4.6	0.4	0.0	60	14	5.1	0.0	--	0.0	--	74	61
0930	5050	21	102	24 C	7.5	140	.60	.62	.20	.01		.98	.29	.14					73	12
							42	43	14	1		70	21	10						
			AO 7125.05				AMERICAN RIVER AT SACRAMENTO NORTHERN RAILROAD BRIDGE													
10/15/68			9.2	61 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1300	5001	3.0	94	16 C	7.2															
11/05/68	5006		9.8	61 F	--	80	7.6	1.8	4.0	1.0	0.0	26	5.0	4.0	--	--	--	10	42	27
1200	5001	3.0	100	16 C	7.0	80	.38	.15	.17	.03		.43	.10	.11					46	6
							52	21	23	4		67	16	17						
01/10/69			11.6	32 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1015	5001	2.0	100	9 C	7.4	75														
02/18/69	5006		12.7	32 F	7.2	70	5.0	2.2	2.4	0.6	0.0	30	2.0	2.1	--	--	--	12	61	22
1620	5001	1.0	110	9 C	7.2	75	.25	.18	.10	.02		.49	.04	.06					41	0
							45	33	18	4		83	7	10						
03/11/69			13.0	32 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1605	5001	1.0	113	9 C	7.3	80														
04/08/69			12.0	54 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1515	5001	1.0	112	12 C	7.2	60														
05/08/69	5006		11.2	59.0F	7.3	50	5.8	1.8	1.9	0.6	0.0	24	2.3	1.4	--	--	0.3	13	43	22
1015	5001	2.0	112	15.0C	7.3	60	.29	.15	.08	.02		.39	.05	.04					39	3
							54	28	15	4		81	10	8						
06/12/69			10.2	63 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1450	5001	1.0	106	17 C	7.3															
07/10/69			9.6	68 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1425	5001	3.0	106	20 C	7.2	43														
08/12/69	5006		9.6	68 F	6.9	44	4.3	1.2	3.0	0.9	0.0	25	1.0	1.0	--	--	--	11	27	16
1400	5001	1.0	106	20 C	6.9	47	.21	.10	.13	.02		.41	.02	.03					35	0
							46	22	28	4		89	4	7						
09/10/69			9.3	70 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1400	5001	2.0	105	21 C	6.9	43														
			AO 7140.10				AMERICAN RIVER AT AMERICAN RIVER WATER PLANT AT SACRAMENTO													
10/15/68			9.3	61 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1140	5001	3.0	95	16 C	7.2															
11/05/68	5006		9.8	61 F	--	70	6.8	2.3	4.0	1.0	0.0	36	3.0	4.0	--	--	--	10	37	27
1115	5001	3.0	100	16 C	7.3	80	.34	.19	.17	.03		.59	.06	.11					49	0
							47	26	23	4		78	8	14						
01/10/69			9.2	32 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1100	5001	3.0	80	9 C	7.4	75														
02/18/69	5006		12.9	31.9F	7.3	70	4.9	2.2	2.0	2.4	0.0	28	4.0	1.6	--	--	--	11	60	17
1535	5001	1.0	110	8.5C	7.2	70	.24	.19	.09	.06		.46	.08	.05					42	0
							42	32	16	11		78	14	8						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
			A0 7140.10				AMERICAN RIVER AT AMERICAN RIVER WATER PLANT AT SACRAMENTO (CONTINUED)													
03/11/69			12.9	50.0F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1530	5001	3.0	114	10.0C	7.2	80														
04/08/69			13.0	54 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1445	5001	1.0	121	12 C	7.4	65														
05/08/69	5006		11.5	59.0F	7.3	48	5.6	1.7	1.8	0.7	0.0	24	2.5	1.3	--	--	0.4	9.0	42	21
1100	5001	2.0	115	15.0C	7.3	60	.28	.14	.08	.02		.39	.05	.04					35	2
							54	27	15	4		81	10	8						
07/28/69			9.4	66 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1030	5050			19 C	7.1	43														
08/15/69	5050		9.6	76 F	7.7	43	4.1	1.6	2.0	--	0.0	20	--	1.8	--	--	--	--	--	17
1230	5050			24 C	7.1	41	.20	.13	.09			.33		.05						1
							46	30	20			76		11						
			A0 7175.00				AMERICAN R AT FAIR OAKS													
10/15/68			9.7	63 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1040	5001	3.0	101	17 C	7.2															
11/05/68	5006		9.4	59 F	--	65	6.8	1.8	3.0	1.0	0.0	33	3.0	3.0	--	--	--	10	46	25
1005	5001	3.0	94	15 C	7.0	70	.34	.15	.13	.03		.54	.06	.08					45	0
							52	23	20	5		79	9	12						
01/09/69			12.2	31.9F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1415	5001	3.0	104	8.5C	7.3	70														
02/18/69	5006		13.6	31.9F	7.2	65	4.9	2.2	4.0	1.8	0.0	28	4.0	1.3	--	--	--	12	61	21
1450	5001	2.0	118	9.0C	7.2	70	.24	.18	.17	.05		.46	.08	.04					44	0
							38	28	27	8		79	14	7						
03/11/69			13.9	31.9F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1440	5001	3.0	122	9.5C	7.2	80														
03/13/69	5050		13.2	48 F	8.0	71	6.6	3.7	2.1	--	0.0	32	--	1.7	--	--	--	--	--	32
1230	5050		114	9 C	7.2	69	.33	.31	.09			.52		.05						6
							46	43	12			73		7						
04/08/69			13.0	52 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1400	5001	3.0	118	11 C	7.1	65														
05/08/69	5006		12.4	59.0F	7.3	48	5.5	1.7	1.7	0.7	0.0	24	2.7	1.4	--	--	--	9.0	43	21
1215	5001	2.0	124	15.0C	7.2	60	.27	.14	.07	.02		.39	.06	.04					34	2
							54	28	14	4		80	12	8						
06/05/69	5050		9.3	57 F	7.3	39	4.1	1.1	1.6	--	--	19	--	0.9	--	--	--	--	--	15
	5050		90	14 C	7.2		.20	.10	.07			.31		.03						0
							51	25	17			79		7						
06/12/69			10.4	61 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1355	5001	3.0	106	16 C	7.4															
07/10/69			10.4	64 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1330	5001	2.0	111	18 C	7.3	53														
08/12/69	5006		9.6	59 F	6.7	35	3.5	1.0	1.5	0.8	0.0	18	1.0	1.0	--	--	--	10	40	13
1200	5001	3.0	96	15 C	6.6	43	.17	.08	.07	.02		.30	.02	.03					28	0
							50	24	21	6		86	6	9						
08/14/69	5050		9.4	64 F	8.3	38	4.1	0.9	1.8	--	0.0	19	--	1.2	--	--	--	--	--	14
1515	5050		99	18 C	7.0	36	.20	.07	.08			.31		.03						0
							52	18	21			81		7						
09/10/69			9.2	66 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1300	5001	2.0	100	19 C	6.8	36														
			A1 1020.00				PIT RIVER NEAR MONTGOMERY CREEK													
10/08/68	5050		10.8	56 F	7.9	134	--	--	9.7	--	0.0	78	--	2.7	--	--	0.0	--	--	50
0720	5050	3350	104	13 C	7.6				.42			1.28		.08						0
									31			95		5						
11/14/68	5050		11.1	49 F	8.2	141	--	--	9.9	--	0.0	80	--	2.9	--	--	0.0	--	--	56
1630	5050	4460	97	9 C	7.4				.43			1.31		.08						0
									30			92		5						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: F	B	SIO2	TDS SUM	TH NCH
			A1 1020.00				PIT RIVER NEAR MONTGOMERY CREEK								CONTINUED					
1/21/69	5050		13.6	41 F	7.8	113	--	--	6.7	--	0.0	61	--	2.0	--	--	0.0	--	--	52
1210	5050	2940u	106	5 C	7.8				.29			1.00		.06						2
									25			88		5						
3/11/69	5050		12.4	44 F	8.1	140	--	--	7.3	--	0.0	98	--	2.4	--	--	0.0	--	--	57
1025	5050	473u	101	7 C	7.3				.32			1.61		.07						0
									22			115		5						
5/13/69	5050		10.8	61 F	7.7	105	9.4	4.2	5.6	1.0	0.0	58	4.3	3.1	0.3	--	0.0	--	70	41
1100	5050	8280	110	16 C	8.0		.47	.35	.24	.03		.95	.09	.09					56	0
							43	32	22	3		84	8	8						
7/08/69	5050		11.3	65 F	8.3	139	--	--	9.1	--	0.0	76	--	2.7	--	--	0.0	--	--	52
1055	5050	404u	121	18 C	8.2				.40			1.25		.08						0
									28			89		5						
9/16/69	5050		10.3	61 F	8.4	142	9.8	5.2	10	1.8	0.0	74	0.0	2.8	0.8	--	0.0	--	91	46
1250	5050	5880	105	16 C	7.9		.49	.43	.44	.05		1.21		.08	.01				67	0
							35	30	31	4		93		6	1					
			A1 1680.00				PIT RIVER NEAR CANBY													
0/08/68	5050	2.56	10.0	51 F	8.1	324	--	--	33	--	0.0	182	--	7.1	--	--	0.2	--	--	105
1110	5050	52	90	11 C	8.1				1.44			2.98		.20						0
									44			91		6						
1/15/68	5050	2.79	11.9	35 F	8.5	356	--	--	35	--	4.0	182	--	9.4	--	--	0.1	--	--	103
0950	5050	116	85	2 C	8.0				1.52		.13	2.98		.27						0
									42		3	83		7						
2/11/68	5050	2.96	11.6	35 F	7.8	273	--	--	30	--	0.0	139	--	7.4	--	--	0.1	--	--	79
1130	5050	178	83	2 C	7.8				1.31			2.28		.21						0
									47			83		7						
1/21/69	5050	6.71	11.2	35 F	7.6	117	--	--	13	--	0.0	52	--	4.1	--	--	0.0	--	--	38
1510	5050	2690	80	2 C	7.3				.57			.85		.12						0
									48			72		10						
2/18/69	5050	4.18	11.2	37 F	8.0	260	--	--	29	--	0.0	107	--	12	--	--	0.1	--	--	75
1045	5050	345	82	3 C	7.3				1.26			1.75		.34						0
									48			67		13						
3/11/69	5050	2.97	11.8	38 F	7.8	351	--	--	32	--	0.0	150	--	13	--	--	0.1	--	--	97
1250	5050	184	88	3 C	7.8				1.39			2.46		.37						0
									39			70		10						
6/09/69	5050	4.41	10.0	50 F	7.4	141	--	--	9.8	--	0.0	71	--	2.5	--	--	0.0	--	--	48
1230	5050	944	89	10 C	7.8				.43			1.16		.07						0
									30			82		4						
5/13/69	5050	4.49	8.2	64 F	7.3	158	14	4.9	11	3.0	0.0	82	9.6	3.6	1.2	--	0.0	--	134	55
1330	5050	1020	87	18 C	8.4		.70	.40	.48	.08		1.34	.20	.10	.02				87	0
							42	24	29	5		81	12	6	1					
6/10/69	5050	2.92	8.4	61 F	7.5	240	--	--	22	--	0.0	122	--	4.4	--	--	0.2	--	--	76
1030	5050	167	86	16 C	7.9				.96			2.00		.12						0
									40			83		5						
7/08/69	5050	2.68	8.5	74 F	8.1	230	--	--	20	--	0.0	126	--	4.7	--	--	0.0	--	--	82
1330	5050	80	101	23 C	8.2				.87			2.07		.13						0
									37			90		5						
8/13/69	5050	2.75	7.5	73 F	8.0	236	--	--	19	--	0.0	125	--	5.2	--	--	0.0	--	--	80
1100	5050	109	88	23 C	7.9				.83			2.05		.15						0
									35			86		6						
9/16/69	5050	2.78	9.5	63 F	8.3	262	20	6.6	27	5.1	0.0	148	7.2	5.2	0.2	--	0.1	--	153	77
1505	5050	116	99	17 C	8.1		1.00	.54	1.17	.13		2.43	.15	.15					144	0
							35	19	41	5		89	5	5						
			A1 4400.00				PIT RIVER,SOUTH FORK, NEAR LIKELY													
/08/68	5050	2.42	10.6	54 F	8.1	164	--	--	11	--	0.0	91	--	2.6	--	--	0.0	--	--	59
1230	5050	67	99	12 C	8.3				.48			1.49		.07						0
									29			90		4						
/15/68	5050	1.78	12.5	36 F	8.0	108	--	--	6.1	--	0.0	64	--	1.4	--	--	0.0	--	--	45
1055	5050	13	91	2 C	7.6				.27			1.05		.04						0
									25			97		3						
/21/69	5050	3.06	12.1	35 F	7.5	80	--	--	4.2	--	0.0	42	--	1.9	--	--	0.0	--	--	32
1630	5050	171	86	2 C	7.1				.18			.69		.05						0
									22			86		6						
/13/69	5050	4.71	8.9	61 F	7.2	82	7.7	3.2	4.2	1.8	0.0	43	2.6	1.9	1.7	--	0.1	--	66	32
1530	5050	756	91	16 C	8.4		.38	.26	.18	.05		.71	.05	.05	.03				44	0
							44	30	21	6		85	6	6	4					
/16/69	5050	2.60	8.3	63 F	8.3	138	12	4.9	8.6	3.2	0.0	77	0.0	2.2	0.2	--	0.0	--	109	50
1650	5050	89	87	17 C	7.9		.60	.40	.37	.08		1.26		.06					69	0
							41	28	26	6		95		5						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP		PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
			A2 1010.00					SACRAMENTO RIVER AT KESWICK													
10/07/68	5050		9.5	56	F	7.8	114	--	--	6.5	--	0.0	63	2.8	2.0	--	--	0.0	--	--	46
1500	5050	7190	91	13	C	7.2				.28			1.03	.06	.06						0
										24			90	5	5						
11/06/68	5050		9.3	56	F	8.1	122	--	--	6.4	--	0.0	61	6.4	2.3	--	--	0.0	--	--	61
0730	5050	6890	89	13	C	7.1				.28			1.00	.13	.06						11
										22			81	10	4						
12/05/68	5050		10.2	54	F	7.9	126	--	--	7.6	--	0.0	68	2.6	2.8	--	--	0.0	--	--	50
1410	5050	6640	95	12	C	7.1				.33			1.12	.05	.08						0
										26			88	3	6						
01/06/69	5050		11.6	47	F	7.8	125	--	--	6.3	--	0.0	61	6.1	2.4	--	--	0.0	--	--	48
1325	5050	3100	99	8	C	7.0				.27			1.00	.13	.07						0
										21			80	10	5						
02/03/69	5050		13.4	46	F	7.2	118	--	--	5.7	--	0.0	57	6.2	2.0	--	--	0.0	--	--	43
1245	5050	13000	112	8	C	7.1				.25			.93	.13	.06						0
										21			78	11	5						
03/04/69	5050		12.1	44	F	7.5	109	--	--	5.0	--	0.0	52	4.4	1.8	--	--	0.0	--	--	44
1220	5050	12000	99	7	C	7.1				.22			.85	.09	.05						2
										20			77	8	4						
04/01/69	5050		13.1	46	F	7.5	107	--	--	5.4	--	0.0	54	6.1	1.9	--	--	0.0	--	--	40
1230	5050	6020	110	8	C	7.1				.23			.89	.13	.05						0
										21			83	12	4						
05/02/69	5050		12.6	47	F	7.6	107	9.9	4.0	5.7	1.0	0.0	56	4.4	3.0	0.5	--	0.0	--	63	41
1105	5050	11900	107	8	C	7.1		.49	.33	.25	.03		.92	.09	.08	.01				56	0
								45	30	23	3		84	8	7	1					
06/02/69	5050		11.5	49	F	7.5	100	--	--	4.6	--	0.0	50	5.4	2.6	--	--	0.0	--	--	39
1035	5050	14500	101	9	C	7.1				.20			.82	.11	.07						0
										20			82	11	7						
07/02/69	5050		11.7	49	F	8.0	101	--	--	4.6	--	0.0	53	2.3	1.8	--	--	0.0	--	--	42
1320	5050	12400	102	9	C	7.1				.20			.87	.05	.05						0
										19			86	4	4						
08/04/69	5050		9.9	50	F	7.8	104	--	--	5.0	--	0.0	57	2.8	1.7	--	--	0.0	--	--	42
0700	5050	15960	88	10	C	7.3				.22			.93	.06	.05						0
										21			89	5	4						
08/19/69	5050		9.7	50	F	--	102	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0805	5050	12600	86	10	C	7.9															
09/02/69	5050		9.3	51	F	7.5	116	9.3	5.6	4.1	0.4	0.0	55	2.5	1.9	0.2	--	0.0	--	72	46
0815	5050	12240	84	11	C	7.3		.46	.46	.18	.01		.90	.05	.05					51	1
								41	41	16	1		90	5	5						
09/16/69	5050		9.6	51	F	--	101	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0800	5050	10140	86	11	C	7.3															
			A2 1300.00					SACRAMENTO RIVER AT DELTA													
10/09/68	5050	3.60	11.8	53	F	8.0	159	--	--	12	--	0.0	81	--	8.2	--	--	0.2	--	--	57
1300	5050	185	109	12	C	8.2				.52			1.33		.23						0
										32			83		14						
11/13/68	5050	4.24	12.6	46	F	8.1	136	--	--	7.7	--	0.0	70	--	5.3	--	--	0.1	--	--	63
1005	5050	400	106	8	C	7.7				.33			1.15		.15						6
										24			84		11						
12/10/68	5050	9.03	11.4	46	F	7.0	71	--	--	3.2	--	0.0	34	--	2.5	--	--	0.0	--	--	30
0920	5050	5800	96	8	C	7.0				.14			.56		.07						2
										19			78		9						
01/20/69	5050	8.63	12.2	43	F	7.6	72	--	--	2.7	--	0.0	38	--	1.4	--	--	0.0	--	--	30
1040	5050	5040	98	6	C	7.2				.12			.62		.04						0
										16			86		5						
02/17/69	5050	7.24	12.4	43	F	7.6	79	--	--	2.6	--	0.0	42	--	1.5	--	--	0.0	--	--	38
0900	5050	2850	100	6	C	7.8				.11			.69		.04						4
										13			87		5						
03/10/69	5050	5.71	13.3	40	F	7.5	94	--	--	3.4	--	0.0	50	--	2.3	--	--	0.0	--	--	43
0855	5050	1220	102	4	C	7.3				.15			.82		.06						2
										15			87		6						
04/08/69	5050	7.66	13.0	47	F	7.5	77	--	--	2.0	--	0.0	43	--	1.1	--	--	0.0	--	--	35
1000	5050	3420	111	8	C	7.4				.09			.71		.03						0
										11			92		3						
05/12/69	5050	7.98	12.1	54	F	7.6	64	2.3	6.0	1.4	0.0	0.0	37	0.0	1.7	0.1	--	0.0	--	43	30
1000	5050	3950	113	12	C	7.6		.11	.49	.06			.61		.05					30	0
								17	74	9			92		8						
06/09/69	5050	5.51	11.5	53	F	7.5	79	--	--	2.6	--	0.0	45	--	3.2	--	--	0.0	--	--	36
1145	5050	1120	106	12	C	7.5				.11			.74		.09						0
										13			93		11						
07/07/69	5050	4.38	10.3	62	F	8.2	108	--	--	5.5	--	0.0	58	--	3.6	--	--	0.0	--	--	48
0955	5050	440	106	17	C	7.8				.24			.95		.10						1
										22			87		9						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
			A2 1300.00				SACRAMENTO RIVER AT DELTA												CONTINUED	
08/12/69	5050	3.80	10.1	67 F	8.1	134	--	--	8.8	--	0.0	71	--	6.0	--	--	0.1	--	--	53
1030	5050	233	111	19 C	8.2				.38			1.16		.17						0
									28			86		12						
09/15/69	5050	3.79	11.0	59 F	7.8	139	7.6	7.5	11	0.5	0.0	70	0.0	7.7	0.0	--	0.1	--	97	50
1030	5050	239	109	15 C	8.1		.38	.62	.48	.01		1.15		.22					69	0
							26	42	32	1		84		16						
			A2 2150.00				MCCLOUD RIVER ABOVE SHASTA LAKE													
10/09/68	5050		11.9	50 F	7.8	105	--	--	5.5	--	0.0	60	--	1.4	--	--	0.1	--	--	42
1415	5050	258	105	10 C	8.0				.24			.98		.04						0
									22			93		3						
11/13/68	5050		12.3	45 F	8.1	113	--	--	5.0	--	0.0	62	--	1.8	--	--	0.0	--	--	50
0850	5050	350	102	7 C	7.5				.22			1.02		.05						0
									19			90		4						
12/10/68	5050		11.6	47 F	7.6	99	--	--	4.3	--	0.0	51	--	1.4	--	--	0.0	--	--	41
0815	5050	1330	99	8 C	7.3				.19			.84		.04						0
									19			84		4						
01/20/69	5050		12.0	45 F	6.8	62	--	--	2.1	--	0.0	33	--	0.9	--	--	0.0	--	--	30
0915	5050	8340	99	7 C	7.3				.09			.54		.03						3
									14			87		4						
04/08/69	5050		12.3	45 F	7.6	86	--	--	2.3	--	0.0	48	--	0.8	--	--	0.0	--	--	38
0845	5050	1910	102	7 C	7.7				.10			.79		.02						0
									11			91		2						
05/12/69	5050		10.8	55 F	7.3	79	9.5	2.3	3.0	1.2	0.0	44	2.0	1.3	0.6	--	0.0	--	53	33
0900	5050	2420	102	13 C	7.9		.47	.19	.13	.03		.72	.04	.04	.01				41	0
							57	23	16	4		89	5	5	1					
06/09/69	5050		11.0	55 F	7.7	102	--	--	3.2	--	0.0	58	--	1.6	--	--	0.0	--	--	45
1005	5050		104	13 C	7.4				.14			.95		.05						0
									13			93		4						
07/07/69	5050		10.4	61 F	8.4	110	--	--	4.2	--	1.0	58	--	1.6	--	--	0.0	--	--	48
0840	5050		106	16 C	7.9				.18		.03	.95		.05						0
									16		2	86		4						
08/12/69	5050		9.4	62 F	8.4	131	--	--	4.9	--	1.0	61	--	1.8	--	--	0.0	--	--	47
0900	5050		97	17 C	8.2				.21		.03	1.00		.05						0
									16		2	76		3						
09/15/69	5050		11.5	56 F	7.7	107	12	3.4	5.7	0.5	0.0	61	0.0	1.7	0.0	--	0.0	--	83	44
0920	5050		110	13 C	8.1		.60	.28	.25	.01		1.00		.05					53	0
							53	25	22	1		95		5						
			A3 1110.00				STONY CREEK BELOW BLACK BUTTE DAM													
10/03/68	5050	2.99	9.4	66 F	8.0	383	--	--	17	--	0.0	199	--	16	0.1	--	0.3	--	--	169
0845	5050	97	102	19 C	8.2				.74			3.26		.45						6
									19			85		11						
11/07/68	5050	2.46	10.7	52 F	8.3	416	--	--	17	--	0.0	219	--	16	0.3	--	0.2	--	--	182
0950	5050	39	98	11 C	8.3				.74			3.59		.45						3
									17			86		10						
01/09/69	5050	2.58	13.3	42 F	8.3	394	--	--	17	--	0.0	165	--	27	2.7	--	0.1	--	--	165
1110	5050	46	105	6 C	8.2				.74			2.71		.76	.04					30
									18			68		19	1					
02/06/69	5050	6.05	13.1	44 F	7.7	237	--	--	9.3	--	0.0	112	--	9.1	1.7	--	0.0	--	--	107
1235	5050	1900	107	7 C	7.8				.40			1.84		.26	.03					15
									16			77		10	1					
03/07/69	5050	5.56	12.0	48 F	8.3	309	--	--	11	--	0.0	145	--	9.4	0.5	--	0.1	--	--	135
1105	5050	1220	103	9 C	8.0				.48			2.38		.27	.01					16
									15			77		8						
4/08/69	5050	3.33	13.0	58 F	7.9	287	--	--	12	--	0.0	134	--	11	0.3	--	0.0	--	--	125
1505	5050	106	128	14 C	8.4				.52			2.20		.31						15
									18			76		10						
5/08/69	5050	4.83	11.2	62 F	7.9	266	26	11	9.8	1.0	0.0	128	14	9.4	0.0	--	0.0	--	128	111
0940	5050	607	116	17 C	8.2		1.30	.90	.43	.03		2.10	.29	.27					134	6
							49	34	16	1		79	11	10						
7/08/69	5050	4.85	10.7	73 F	8.2	272	--	--	11	--	0.0	134	--	8.5	0.0	--	0.0	--	--	123
1000	5050	609	125	23 C	8.3				.48			2.20		.24						13
									17			80		8						
9/03/69	5050	4.10	9.0	75 F	7.6	331	36	15	13	1.1	0.0	193	18	10	0.1	--	0.2	--	164	152
1000	5050	326	108	24 C	8.3		1.80	1.23	.57	.03		3.17	.37	.28					188	0
							50	34	16	1		83	10	7						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP		PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
			A3 1250.00					STONY CREEK NEAR FRUTO													
10/03/68	5050		8.4	63	F	8.2	395	--	--	18	--	0.0	201	--	17	0.2	--	0.3	--	--	167
0735	5050	221	88	17	C	8.3				.78			3.30		.48						2
										19			83		12						
11/07/68	5050		10.5	52	F	8.2	500	--	--	22	--	0.0	200	--	29	0.0	--	0.3	--	--	214
0850	5050	26	96	11	C	8.2				.96			3.28		.82						50
										19			65		16						
12/05/68	5050		12.1	47	F	8.3	514	--	--	21	--	0.0	139	--	44	0.0	--	0.1	--	--	210
1050	5050	10	103	8	C	8.1				.91			2.28		1.24						96
										17			44		24						
01/09/69	5050		13.4	36	F	8.1	263	--	--	11	--	0.0	104	--	14	0.9	--	0.1	--	--	117
1000	5050	510	97	2	C	7.8				.48			1.71		.39	.01					32
										18			65		14						
02/06/69	5050		12.3	43	F	8.1	226	--	--	10	--	0.0	102	--	9.6	0.6	--	0.0	--	--	104
1120	5050	4380	99	6	C	7.9				.44			1.67		.27	.01					21
										19			73		11						
03/07/69	5050		12.5	42	F	8.3	351	--	--	11	--	0.0	144	--	9.1	0.1	--	0.0	--	--	149
0955	5050	537	99	6	C	8.2				.48			2.36		.26						31
										13			67		7						
04/08/69	5050		10.9	54	F	8.0	226	--	--	8.0	--	0.0	95	--	6.6	0.3	--	0.0	--	--	97
1330	5050	1410	102	12	C	8.2				.35			1.56		.19						19
										15			69		8						
05/08/69	5050		11.4	54	F	7.8	170	20	5.6	5.7	0.7	0.0	79	16	5.0	0.2	--	0.0	--	94	73
0750	5050	1020	107	12	C	8.0		1.00	.46	.25	.02		1.30	.33	.14					92	8
								58	27	14	1		73	19	8						
06/10/69	5050		10.5	60	F	7.9	275	--	--	11	--	0.0	133	--	11	0.1	--	0.1	--	--	120
0935	5050	286	106	16	C	8.2				.48			2.18		.31						11
										17			79		11						
07/08/69	5050		10.2	67	F	8.3	284	--	--	11	--	0.0	150	--	9.2	0.1	--	0.1	--	--	129
0815	5050	420	112	19	C	8.2				.48			2.46		.26						6
										16			86		9						
08/11/69	5050		8.5	81	F	8.2	309	--	--	12	--	0.0	171	--	8.8	0.3	--	0.2	--	--	150
1335	5050		108	27	C	8.4				.52			2.80		.25						10
										16			90		8						
09/03/69	5050		9.1	75	F	7.7	334	29	20	14	1.1	0.0	182	14	11	0.1	--	0.3	--	167	155
0900	5050	350	109	24	C	8.4		1.45	1.64	.61	.03		2.98	.29	.31					179	6
								39	44	16	1		83	8	9						
			A3 1300.00					GRINDSTONE CREEK NEAR ELK CREEK													
01/09/69	5050	10.00	13.4	35	F	8.1	220	--	--	6.6	--	0.0	88	--	4.6	0.6	--	0.0	--	--	104
0900	5050	320	96	2	C	7.8				.29			1.44		.13	.01					32
										13			65		5						
03/07/69	5050	10.21	12.6	40	F	7.9	306	--	--	9.3	--	0.0	128	--	5.9	0.1	--	0.0	--	--	141
0850	5050	440	97	4	C	8.0				.40			2.10		.17						36
										13			68		5						
05/08/69	5050	10.25	11.4	53	F	7.8	128	18	2.7	3.2	0.8	0.0	56	12	3.5	0.1	--	0.0	--	82	56
0845	5050	432	105	12	C	7.8		.90	.22	.14	.02		.92	.25	.10					68	10
								70	17	11	2		72	20	8						
07/08/69	5050	9.47	10.1	72	F	8.3	334	--	--	11	--	0.0	136	--	8.7	0.1	--	0.0	--	--	154
0850	5050	13	117	22	C	8.4				.48			2.23		.25						43
										14			66		7						
09/03/69	5050	9.25	10.0	72	F	8.2	447	62	7.5	17	1.3	0.0	160	68	21	0.1	--	0.1	--	302	186
0825	5050	0.2	116	22	C	8.3		3.09	.62	.74	.03		2.62	1.41	.59					255	55
								69	14	17	1		57	31	13						
			A3 2120.00					THOMES CREEK NEAR PASKENTA													
10/07/68	5050	3.50	11.6	63	F	8.1	451	--	--	15	--	0.0	133	--	25	0.0	--	0.0	--	--	182
1140	5050	4.9	121	17	C	8.3				.65			2.18		.71						73
										14			48		15						
11/04/68	5050	3.95	10.9	57	F	8.3	343	--	--	12	--	0.0	117	--	13	1.5	--	0.1	--	--	151
1400	5050	54	106	14	C	8.1				.52			1.92		.37	.02					55
										15			55		10						
12/05/68	5050	3.88	12.5	45	F	8.4	281	--	--	8.9	--	2.0	112	--	8.2	0.1	--	0.1	--	--	130
1025	5050	50	103	7	C	8.1				.39		.07	1.84		.23						35
										13		2	65		8						
01/03/69	5050	5.08	12.6	45	F	8.3	277	--	--	7.1	--	0.0	131	--	4.3	1.2	--	0.1	--	--	132
1310	5050	145	104	7	C	8.4				.31			2.15		.12	.02					25
										11			77		4						
02/03/69	5050	5.31	13.3	41	F	8.2	207	--	--	4.2	--	0.0	102	--	1.9	0.1	--	0.0	--	--	112
1015	5050	460	104	5	C	7.9				.18			1.67		.05						29
										8			80		2						
03/03/69	5050	5.33	12.4	46	F	8.1	290	--	--	5.0	--	0.0	157	--	2.4	0.1	--	0.0	--	--	150
1210	5050	420	104	8	C	8.1				.22			2.57		.07						22
										7			88		2						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP		PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
			A3 2120.00					THOMES CREEK NEAR PASKENTA							- CONTINUED						
04/01/69	5050	6.84	12.8	44	F	7.9	128	--	--	3.0	--	0.0	65	--	0.7	0.7	--	0.0	--	--	59
0945	5050	1900	104	7	C	7.9				.13			1.07		.02	.01					6
										10			83		1						
04/30/69	5050	6.67	12.0	54	F	7.9	109	15	3.0	2.2	0.8	0.0	55	10	1.5	0.0	--	0.0	--	62	50
1300	5050	1830	112	12	C	7.8		.75	.25	.10	.02		.90	.21	.04					59	5
								67	22	9	2		78	18	3						
06/03/69	5050	5.44	9.8	66	F	7.9	110	--	--	2.0	--	0.0	55	--	7.2	0.1	--	0.0	--	--	50
1230	5050	420	106	19	C	7.5				.09			.90		.20						5
										8			81		18						
07/03/69	5050	4.27	9.5	71	F	8.2	232	--	--	5.4	--	0.0	111	--	3.8	0.1	--	0.0	--	--	113
1100	5050	43	109	22	C	8.2				.23			1.82		.11						22
										9			78		4						
08/11/69	5050	4.24	8.3	83	F	8.2	322	--	--	9.2	--	0.0	130	--	12	1.3	--	0.0	--	--	150
1250	5050	13	108	28	C	8.4				.40			2.13		.34	.02					44
										12			66		10						
09/04/69	5050	4.18	8.7	75	F	8.1	334	38	12	11	1.3	0.0	114	51	17	0.0	--	0.1	--	196	144
1130	5050	7.0	104	24	C	8.2		1.90	.99	.48	.03		1.87	1.06	.48					186	51
								56	29	14	1		55	31	14						
			A3 3110.00					ELDER CREEK NEAR PASKENTA													
01/03/69	5050	2.04	11.8	49	F	8.3	373	--	--	14	--	0.0	184	--	14	--	--	0.0	--	--	170
1420	5050	211	103	9	C	8.3				.61			3.02		.39						19
										16			80		10						
04/30/69	5050	2.60	11.4	56	F	7.9	149	14	8.5	3.8	0.9	0.0	80	4.1	4.9	0.1	--	0.0	--	80	70
1215	5050	236	109	13	C	8.0		.70	.70	.17	.02		1.31	.09	.14					76	5
								44	44	11	1		85	6	9						
09/04/69	5050	1.10	9.4	81	F	8.2	707	36	30	62	1.6	0.0	178	7.7	134	0.0	--	0.1	--	153	212
1230	5050	3.3	120	27	C	8.5		1.80	2.47	2.70	.04		2.92	.16	3.78					359	66
								26	35	39	1		43	2	55						
			A3 6130.00					CLEAR CREEK NEAR IGO													
11/06/68	5050	2.45	11.9	50	F	8.0	106	--	--	4.4	--	0.0	51	--	4.8	--	--	0.0	--	--	46
0830	5050	55	105	10	C	7.5				.19			.84		.14						4
										17			79		13						
01/06/69	5050	2.87	13.5	43	F	7.8	85	--	--	4.2	--	0.0	42	--	2.7	--	--	0.0	--	--	36
1210	5050	134	109	6	C	7.3				.18			.69		.08						2
										21			81		9						
05/02/69	5050	2.62	12.5	51	F	7.5	72	6.5	2.9	3.6	0.9	0.0	34	3.6	3.3	0.0	--	0.0	--	42	28
1010	5050	84	112	11	C	7.3		.32	.24	.16	.02		.56	.07	.09					37	0
								43	32	22	3		78	10	13						
09/03/69	5050	2.43	11.2	60	F	7.7	94	5.6	7.3	2.6	0.4	0.0	52	2.5	2.3	0.0	--	0.0	--	57	44
1220	5050	53	113	16	C	7.9		.28	.60	.11	.01		.85	.05	.06					46	2
								28	60	11	1		89	5	6						
			A4 1110.00					BUTTE CREEK NEAR CHICO													
10/03/68	5050	1.73	10.3	60	F	7.9	124	--	--	3.6	--	0.0	62	--	1.3	--	--	0.0	--	--	46
1300	5050	143	104	16	C	8.1				.16			1.02		.04						0
										12			82		3						
11/07/68	5050	1.78	11.9	49	F	8.1	108	--	--	3.7	--	0.0	65	--	1.4	--	--	0.0	--	--	49
1420	5050	155	104	9	C	8.2				.16			1.07		.04						0
										14			99		3						
01/09/69	5050	2.12	13.3	40	F	8.0	92	--	--	2.8	--	0.0	55	--	1.3	--	--	0.0	--	--	44
1500	5050	311	102	4	C	7.5				.12			.90		.04						0
										13			97		4						
03/07/69	5050	2.84	11.9	46	F	7.3	77	--	--	2.1	--	0.0	44	--	1.0	--	--	0.0	--	--	38
1515	5050	675	100	8	C	7.4				.09			.72		.03						2
										11			93		3						
05/08/69	5050	3.40	11.7	53	F	7.3	49	5.4	2.1	1.6	0.6	0.0	28	0.6	1.3	0.0	--	0.1	--	35	22
1315	5050	1160	108	12	C	7.4		.27	.17	.07	.02		.46	.01	.04					25	0
								51	32	13	4		90	2	8						
07/08/69	5050	1.97	10.0	70	F	7.9	88	--	--	3.0	--	0.0	51	--	1.1	--	--	0.0	--	--	39
1405	5050	221	113	21	C	7.9				.13			.84		.03						0
										14			95		3						
09/03/69	5050	1.77	10.6	68	F	7.5	103	12	3.6	3.1	1.2	0.0	59	1.2	1.3	0.0	--	0.1	--	95	45
1310	5050	161	117	20	C	8.4		.60	.30	.13	.03		.97	.02	.04					51	0
								57	28	12	3		94	2	4						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP		PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
			A4 2110.00					BIG CHICO CREEK NEAR CHICO													
10/03/68	5050	2.01	10.3	62	F	7.9	212	--	--	16	--	0.0	108	--	11	--	--	0.3	--	--	74
1150	5050	21	106	17	C	8.2				.70			1.77		.31						0
										33			83		14						
11/07/68	5050	2.20	11.2	51	F	8.1	189	--	--	12	--	0.0	97	--	9.5	--	--	0.1	--	--	70
1335	5050	41	101	11	C	8.1				.52			1.59		.27						0
										27			84		14						
01/09/69	5050	2.79	13.4	43	F	8.0	106	--	--	5.6	--	0.0	55	--	3.6	--	--	0.0	--	--	48
1330	5050	116	108	6	C	7.4				.24			.90		.10						3
										22			84		9						
03/07/69	5050	3.56	12.6	44	F	7.5	88	--	--	3.2	--	0.0	47	--	1.8	--	--	0.0	--	--	38
1340	5050	317	103	7	C	7.4				.14			.77		.05						0
										15			87		5						
05/08/69	5050	2.77	11.0	59	F	7.7	112	9.6	5.6	5.2	0.7	0.0	61	1.8	3.9	0.0	--	0.0	--	77	47
1225	5050	119	109	15	C	7.4		.48	.46	.23	.02		1.00	.04	.11					57	0
								40	39	19	2		87	3	10						
07/08/69	5050	1.93	9.6	74	F	8.2	180	--	--	11	--	0.0	97	--	7.3	--	--	0.1	--	--	69
1300	5050	36	114	23	C	8.4				.48			1.59		.21						0
										26			88		11						
09/03/69	5050	1.80	9.8	72	F	8.0	202	16	8.0	15	0.8	0.0	104	1.8	9.3	0.0	--	0.2	--	121	73
1205	5050	25	114	22	C	8.4		.80	.66	.65	.02		1.71	.04	.26					102	0
								38	31	31	1		85	2	13						
			A4 4110.00					MILL CREEK NEAR LOS MOLINOS													
10/07/68	5050		11.2	59	F	8.1	252	--	--	18	--	0.0	92	--	21	--	--	0.6	--	--	83
0940	5050	97	111	15	C	7.3				.78			1.51		.59						8
										30			59		23						
11/04/68	5050		11.8	53	F	8.0	181	--	--	14	--	0.0	51	--	15	--	--	0.5	--	--	57
1215	5050	232	109	12	C	8.0				.61			.84		.42						15
										33			46		23						
01/03/69	5050		12.7	46	F	7.9	162	--	--	13	--	0.0	55	--	13	--	--	0.4	--	--	57
1045	5050	224	106	8	C	7.4				.57			.90		.37						12
										35			55		22						
03/03/69	5050		13.1	44	F	7.6	112	--	--	6.1	--	0.0	52	--	5.2	--	--	0.1	--	--	40
1000	5050	334	107	7	C	7.3				.27			.85		.15						0
										24			75		13						
04/30/69	5050		11.8	53	F	7.3	88	6.7	2.8	6.3	1.1	0.0	30	13	6.3	0.1	--	0.2	--	42	28
0925	5050	788	109	12	C	7.8		.33	.23	.27	.03		.49	.27	.18					51	4
								38	27	31	3		52	29	19						
07/03/69	5050		10.2	65	F	8.0	120	--	--	8.6	--	0.0	35	--	7.4	--	--	0.2	--	--	43
0910	5050	304	109	18	C	7.4				.37			.57		.21						15
										30			47		17						
09/04/69	5050		10.3	73	F	8.2	178	12	6.6	14	2.0	0.0	61	12	15	0.0	--	0.3	--	122	57
0955	5050	123	121	23	C	7.8		.60	.54	.61	.05		1.00	.25	.42					92	7
								33	30	34	3		60	15	25						
			A4 5110.50					ANTELOPE CREEK NEAR RED BLUFF													
11/04/68	5050		11.2	54	F	8.1	136	--	--	7.6	--	0.0	68	--	4.5	--	--	0.2	--	--	60
1145	5050	94	105	12	C	7.9				.33			1.12		.13						4
										24			82		9						
01/03/69	5050		12.4	46	F	7.9	114	--	--	6.3	--	0.0	59	--	3.8	--	--	0.1	--	--	54
0950	5050	115	104	8	C	7.4				.27			.97		.11						6
										23			85		9						
04/30/69	5050		10.5	54	F	7.6	71	4.5	4.4	3.2	0.6	0.0	39	0.0	2.3	0.0	--	0.0	--	56	29
0820	5050	260	98	12	C	7.8		.22	.36	.14	.02		.64		.06					34	0
								30	49	19	3		91		9						
09/04/69	5050		9.5	70	F	7.8	159	10	6.3	9.1	1.2	0.0	82	0.0	7.1	0.0	--	0.1	--	102	51
0845	5050	40	107	21	C	7.9		.50	.52	.40	.03		1.34		.20					74	0
								34	34	28	2		87		13						
			A4 7110.00					BATTLE CREEK NEAR COTTONWOOD													
11/04/68	5050	4.28	11.4	52	F	8.1	131	--	--	7.4	--	0.0	72	--	2.1	--	--	0.0	--	--	54
1600	5050	372	104	11	C	7.6				.32			1.18		.06						0
										24			90		4						
01/06/69	5050	4.34	12.2	46	F	8.0	129	--	--	6.9	--	0.0	74	--	2.0	--	--	0.0	--	--	56
1510	5050	423	102	8	C	7.3				.30			1.21		.06						0
										23			93		4						
05/01/69	5050	4.91	11.7	55	F	7.6	89	5.5	5.0	4.2	1.5	0.0	50	0.3	1.2	0.2	--	0.0	--	66	34
1210	5050	907	111	13	C	7.5		.27	.41	.18	.04		.82	.01	.03					42	0
								30	46	20	4		95	1	3						
09/03/69	5050	3.90	10.4	62	F	7.9	139	9.7	8.3	7.2	1.6	0.0	84	1.8	2.4	0.1	--	0.0	--	115	58
1030	5050	320	107	17	C	7.8		.48	.68	.31	.04		1.38	.04	.07					72	0
								32	45	21	3		93	3	5						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
A4 8110.00 COW CREEK NEAR MILLVILLE																				
11/06/68	5050	2.34	11.4	53 F	8.1	164	--	--	9.7	--	0.0	71	--	9.7	--	--	0.0	--	--	65
1000	5050	186	105	12 C	7.5				.42			1.16		.27						7
									25			70		16						
01/06/69	5050	4.07	12.6	44 F	7.6	104	--	--	5.2	--	0.0	46	--	3.4	--	--	0.0	--	--	43
1430	5050	1060	103	7 C	7.1				.23			.75		.10						6
									22			72		9						
05/02/69	5050	4.12	11.8	57 F	7.4	77	7.8	2.8	3.2	0.8	0.0	40	1.2	2.3	0.1	--	0.0	--	48	31
1220	5050	992	114	14 C	7.2		.39	.23	.14	.02		.66	.02	.06					38	0
							50	29	18	3		89	3	8						
09/03/69	5050	2.11	9.2	81 F	7.6	165	15	6.9	7.7	1.7	0.0	90	1.8	5.4	0.0	--	0.0	--	104	66
1330	5050	36	117	27 C	8.0		.75	.57	.33	.04		1.48	.04	.15					83	0
							44	34	20	2		89	2	9						

DATE TIME	LAB SAMPLER	G.H. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
A5 L 010.7 105.1 LAKE ALMANOR AT DAM																				
09/02/69	5050		8.2	71.4F	7.8	85	8.3	3.8	3.0	1.5	0.0	51	1.6	0.7	0.0	--	0.0	--	50	36
1830	5050		94	21.9C	7.4		.41	.31	.13	.04		.84	.03	.02					44	0
							46	35	15	4		94	3	2						
A5 L 012.8 109.6 LAKE ALMANOR AT PRATTVILLE																				
09/02/69			8.2	71.2F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1730	5050			21.8C	7.4															
A5 L 014.9 106.4 LAKE ALMANOR EAST ARM																				
09/02/69			8.2	71.7F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1900	5050			22.1C	7.4															
A5 L 015.9 111.3 LAKE ALMANOR UPPER WEST ARM																				
09/02/69			8.2	71.9F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1600	5050			22.2C	7.4															
A5 L 016.0 056.9 MOUNTAIN MEADOWS RESERVOIR NEAR WESTWOOD																				
09/03/69			9.2	67.1F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1000	5050		101	19.5C	7.4															
A5 L 016.9 100.3 MOUNTAIN MEADOWS RESERVOIR AT WESTWOOD																				
09/03/69			8.8	70 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1100	5050		100	21 C																
A5 L 017.0 101.4 MOUNTAIN MEADOWS RESERVOIR AT DAM																				
09/03/69			9.6	70 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1130	5050		109	21 C	7.6															
A5 L 026.9 117.9 JUNIPER LAKE AT CAMPGROUND NEAR CHESTER																				
10/24/68	5050			51 F	--	--	--	--	--	--	--	--	--	0.8	--	--	0.1	--	--	--
0945	5050			11 C	7.0	10								.02						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: F	B	SIO2	TDS SUM	TH NCH
				AS R 932.7	128.5		LAKE OROVILLE (STA. 1)													
04/16/69			10.9	55.5F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1135	5050			13.0C	7.5															
05/14/69			10.0	66 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1330	5050			19 C																
07/16/69			8.0	78 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1000	5050			26 C	7.7															
08/13/69	5050			--	8.0	77	--	--	--	--	0.0	44	--	--	--	--	--	--	--	--
	5050		410									.72								
												93								
09/23/69			9.5	70.6F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1010	5050			21.4C	7.6															
				AS R 933.1	125.7		LAKE OROVILLE (STA. 3)													
05/14/69			9.2	68 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1015	5050			20 C																
07/16/69			8.1	80.5F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1315	5050			26.9C	7.9															
09/23/69			9.0	72.2F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1300	5050			22.3C	7.8															
				AS R 937.0	129.3		LAKE OROVILLE (STA. 2)													
05/14/69			9.9	67 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1145	5050			19 C																
08/13/69	5050			--	8.0	78	--	--	--	--	0.0	45	--	--	--	--	--	--	--	--
	5050											.74								
												94								
09/23/69			9.0	72 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0820	5050			22 C	7.9															

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: F	B	SIO2	TDS SUM	TH NCH
				AS 2250.00			FEATHER RIVER, WEST BRANCH, NEAR PARADISE													
03/27/69	5050	5.72	12.2	44 F	7.7	47	4.1	2.8	1.7	--	0.0	26	--	0.7	--	--	--	--	--	22
1000	5050	505		7 C	7.2	42	.20	.24	.07			.43		.02						1
							42	51	14			91		4						
09/04/69	5050	2.18	9.0	77 F	8.0	142	10	11	3.6	--	0.0	86	--	2.1	--	--	--	--	--	72
1250	5050	1.4	110	25 C	8.2	138	.50	.94	.16			1.41		.06						2
							35	66	11			99		4						
				AS 3151.01			FEATHER R. , NORTH FK. ABOVE POE DAM													
03/27/69	5050		11.8	44 F	7.3	87	9.4	4.0	3.2	--	0.0	52	--	0.6	--	--	--	--	--	40
0810	5050		96	7 C	7.3	85	.47	.33	.14			.85		.02						0
							54	37	16			97		2						
09/04/69	5050		10.1	67 F	7.8	104	9.8	4.9	4.0	--	0.0	56	--	1.5	--	--	--	--	--	45
1430	5050		111	19 C	7.9	92	.49	.41	.17			.92		.04						0
							47	39	16			88		3						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TOS SUM	TH NCH
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
			A5 3365.00				YELLOW CR AT HUMBUG VALLEY													
0/23/68	5050		11.5	52 F	--	--	--	--	--	--	--	--	--	1.3	--	--	0.1	--	--	--
1500	5050		105	11 C	7.3	190								.04						
			A5 3368.11				HUMBUG CREEK AT LONGVILLE													
0/23/68	5050			50 F	--	--	--	--	--	--	--	--	--	0.8	--	--	0.1	--	--	--
1445	5050			10 C	7.3	230								.02						
			A5 3368.60				YELLOW CR NR HUMBUG VALLEY													
0/23/68	5050			48 F	--	--	--	--	--	--	--	--	--	1.2	--	--	0.1	--	--	--
1610	5050			9 C	7.4	120								.03						
			A5 3375.00				FEATHER RIVER NORTH FORK AT GANSNER BAR													
0/23/68	5050		10.2	56 F	--	--	--	--	--	--	--	--	--	1.4	--	--	0.2	--	--	--
1000	5050		98	13 C	7.8	120								.04						
9/03/69	5050		8.5	60 F	7.8	97	10	4.1	3.4	1.6	0.0	58	1.8	0.6	0.2	--	0.0	--	90	42
2050	5050		86	16 C		98	.50	.34	.15	.04		.95	.04	.02					50	0
							49	33	15	4		94	4	2						
			A5 3380.01				MOSQUITO CREEK NEAR CARIBOU													
0/23/68	5050		10.8	49 F	--	--	--	--	--	--	--	--	--	4.1	--	--	0.4	--	--	--
1030	5050		94	9 C	8.2	380								.12						
			A5 3500.00				BUTT CREEK BELOW ALMANOR-BUTT CREEK TUNNEL NEAR PRATTVILLE													
0/23/68	5050		10.6	48 F	--	--	--	--	--	--	--	--	--	1.0	--	--	0.1	--	--	--
1345	5050		91	9 C	7.6	150								.03						
			A5 3510.00				ALMANOR-BUTT CREEK TUNNEL NEAR PRATTVILLE													
0/23/68	5050			50 F	--	--	--	--	--	--	--	--	--	0.9	--	--	0.1	--	--	--
1400	5050			10 C	7.4	240								.03						
			A5 3540.01				SOLDIER CREEK NEAR FANANI MEADOWS													
0/23/68	5050		9.7	52 F	--	--	--	--	--	--	--	--	--	0.9	--	--	0.1	--	--	--
1645	5050		88	11 C	7.0	65								.03						
			A5 3542.01				BUTT CREEK AT FANANI MEADOWS													
0/23/68	5050		9.7	50 F	--	--	--	--	--	--	--	--	--	1.2	--	--	0.1	--	--	--
1630	5050		86	10 C	7.5	130								.03						
			A5 3550.01				FEATHER RIVER, NORTH FORK NEAR SENECA													
0/23/68	5050		10.1	55 F	--	--	--	--	--	--	--	--	--	2.1	--	--	0.2	--	--	--
1230	5050		96	13 C	8.0	150								.06						
			A5 3600.00				FEATHER RIVER, NORTH FORK NEAR PRATTVILLE													
0/25/68	5050		9.2	56 F	--	--	--	--	--	--	--	--	--	1.8	--	--	0.1	--	--	--
1300	5050		88	13 C	7.2	110								.05						
			A5 3670.01				HAMILTON BRANCH AT LAKE ALMANOR													
0/23/68	5050		10.4	49 F	--	--	--	--	--	--	--	--	--	0.7	--	--	0.1	--	--	--
1200	5050		91	9 C	8.0	120								.02						
9/02/69	5050		9.3	57 F	7.8	80	7.0	2.6	4.2	2.5	0.0	45	2.0	2.0	0.2	--	0.0	--	75	28
1745	5050		102	19 C	7.9	115	.35	.21	.18	.06		.74	.04	.06					43	0
							44	26	23	8		88	5	7						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

MILLIGRAMS PER LITER
MILLIEQUIVALENTS PER LITER
PERCENT REACTANCE VALUE

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	MILLIGRAMS PER LITER TDS SUM	TH NCH
			A5 3660.10				GOODRICH CR AT HIWAY 36 BR NEAR WESTWOOD													
09/03/69			8.7	63 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1900	5050			16 C	7.9	100														
			A5 3701.01				HENNER CREEK NEAR CHESTER													
10/24/68	5050		11.1	40 F	--	--	--	--	--	--	--	--	--	0.7	--	--	0.1	--	--	--
0815	5050		85	4 C	7.3	90								.02						
			A5 3712.01				LAST CHANCE CREEK NEAR CHESTER													
10/24/68	5050		11.3	41 F	--	--	--	--	--	--	--	--	--	0.6	--	--	0.1	--	--	--
0830	5050		88	5 C	7.3	89								.02						
			A5 3721.01				FEATHER RIVER, NORTH FORK, BELOW ALMANOR RR BRIDGE AT CHESTER													
09/02/69	5050		7.8	64 F	8.0	112	12	4.9	3.6	1.5	0.0	70	1.8	0.7	0.8	--	0.0	--	62	50
1645	5050		82	18 C	7.3	81	.60	.40	.16	.04		1.15	.04	.02	.01				60	0
							50	33	13	3		94	3	2	1					
			A5 3721.51				FEATHER RIVER, NORTH FORK, AT CHESTER													
10/25/68	5050		10.5	45 F	--	--	--	--	--	--	--	--	--	3.2	--	--	0.2	--	--	--
0915	5050		87	7 C	7.3	98								.09						
			A5 3728.01				FEATHER RIVER, NORTH FORK, ABOVE LOG POND DIVERSION													
10/25/68	5050		11.0	43 F	--	--	--	--	--	--	--	--	--	2.1	--	--	0.2	--	--	--
0845	5050		89	6 C	7.4	95								.06						
			A5 3738.01				WARNER CREEK AT HIGH BRIDGE													
10/24/68	5050		10.3	45 F	--	--	--	--	--	--	--	--	--	1.1	--	--	0.1	--	--	--
1115	5050		85	7 C	7.4	115								.03						
			A5 3752.01				KINGS CREEK AT KELLY CAMP													
10/24/68	5050			48 F	--	--	--	--	--	--	--	--	--	0.5	--	--	0.2	--	--	--
1210	5050			9 C	7.2	50								.01						
			A5 3775.01				FEATHER RIVER NORTH FORK AT RICE CR CAMPGROUND													
10/24/68	5050		10.4	45 F	--	--	--	--	--	--	--	--	--	4.0	--	--	0.2	--	--	--
1100	5050		85	7 C	7.4	95								.11						
			A5 3778.01				WILLOW CREEK AT FEATHER RIVER HOMESITES													
10/24/68	5050		10.2	46 F	--	--	--	--	--	--	--	--	--	1.0	--	--	0.1	--	--	--
1315	5050		85	8 C	7.2	100								.03						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: F	B	SIO2	TDS SUM	TH NCH
			A5 3783.01				DOMINGO CREEK AT FEATHER RIVER HOMESITES													
/24/68	5050		9.3	52 F	--	--	--	--	--	--	--	--	--	12	--	--	0.6	--	--	--
1330	5050		85	11 C	8.0	135								.34						
			A5 3786.01				FEATHER R, NF AT FEATHER R HOMESITES													
/24/68	5050		10.2	48 F	--	--	--	--	--	--	--	--	--	1.2	--	--	0.1	--	--	--
1345	5050		88	9 C	7.4	82								.03						
			A5 3796.01				FEATHER R, NF AT ROD + GUN CLUB													
/24/68	5050		10.0	52 F	--	--	--	--	--	--	--	--	--	1.3	--	--	0.1	--	--	--
1445	5050		91	11 C	7.3	75								.04						
			A5 3802.01				RICE CR, NORTH ARM NEAR CHESTER													
/24/68	5050		9.7	47 F	--	--	--	--	--	--	--	--	--	0.7	--	--	0.1	--	--	--
1545	5050		83	8 C	7.4	100								.02						
			A5 4320.00				INDIAN CREEK NEAR CRESCENT MILLS													
/16/69	5050	7.35	10.6	50 F	7.8	72	7.2	2.1	3.3	--	0.0	40	--	1.0	--	--	0.2	--	--	27
1530	5050	2830	94	10 C	7.2	69	.36	.18	.14			.66		.03						0
							50	25	19			91		4						
/09/69	5050		9.0	70 F	8.2	193	2.2	20	10	--	0.0	109	--	3.6	--	--	--	--	--	89
1245	5050		102	21 C	7.3	190	.11	1.67	.44			1.79		.10						0
							5	86	22			92		5						
			A5 5100.00				FEATHER RIVER, MIDDLE FORK, NEAR MERRIMAC													
/26/69	5050	9.64	12.9	42 F	7.6	137	12	5.6	9.6	--	0.0	72	--	3.4	--	--	--	--	--	53
1500	5050	4140	102	6 C	7.8	135	.60	.46	.42			1.18		.10						0
							43	33	30			86		7						
/04/69	5050	5.62	9.1	63 F	8.0	151	18	4.8	6.5	--	0.0	82	--	2.7	--	--	--	--	--	65
0830	5050	217	95	17 C	8.0	156	.90	.40	.28			1.34		.08						0
							59	26	18			88		5						
			A5 5250.00				FEATHER RIVER, MIDDLE FORK, AT SLOAT													
/16/69	5050		9.8	51 F	7.7	103	11	3.2	5.4	--	0.0	58	--	1.3	--	--	0.2	--	--	41
1700	5050		88	11 C	7.6	100	.55	.27	.23			.95		.04						0
							53	26	22			92		3						
/09/69	5050		10.6	70 F	8.4	144	18	4.6	6.1	--	1.0	82	--	2.0	--	--	--	--	--	64
.100	5050		120	21 C	8.8	120	.90	.38	.27		.03	1.34		.06						0
							62	26	18		2	93		4						
			A5 5480.00				BIG GRIZZLY CREEK NEAR PORTOLA													
/17/69	5050		12.0	36 F	7.5	86	9.0	2.8	2.9	--	0.0	50	--	0.8	--	--	0.2	--	--	34
000	5050		87	2 C	6.8	86	.45	.23	.13			.82		.02						0
							52	26	15			95		2						
/09/69	5050		10.1	63 F	8.4	231	29	9.6	9.3	--	2.0	124	--	2.8	--	--	--	--	--	112
010	5050		106	17 C	7.3	235	1.45	.79	.40		.07	2.03		.08						7
							62	34	17		3	87		3						
			A5 5525.00				LITTLE LAST CHANCE CREEK BELOW FRENCHMAN DAM													
0 17/69	5050		10.6	42 F	7.8	106	10	4.1	4.8	--	0.0	62	--	1.1	--	--	0.2	--	--	42
300	5050		84	6 C	7.4	104	.50	.34	.21			1.02		.03						0
							47	32	19			96		2						
0 09/69	5050	2.09	10.3	46.5F	7.8	115	12	4.8	5.3	--	0.0	68	--	1.5	--	--	--	--	--	50
815	5050		87	8.0C	7.1	125	.60	.40	.23			1.12		.04						0
							52	34	20			97		3						
			A5 6925.80				FEATHER R SO FK AT MINERS RANCH DITCH DIVERSION													
0 26/69	5050		13.0	44 F	7.4	41	4.0	1.9	1.6	--	0.0	23	--	0.8	--	--	--	--	--	18
700	5050		106	7 C	7.2	39	.20	.16	.07			.38		.02						0
							48	39	17			92		4						
0 04/69	5050		10.5	92 F	7.4	42	4.0	1.4	1.8	--	0.0	20	--	1.0	--	--	--	--	--	16
045	5050		108	17 C	7.1	38	.20	.12	.08			.33		.03						0
							47	28	19			78		7						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TOS SUM	TH NCH
							A6 1250.00 DEER CREEK NEAR SMARTSVILLE													
04/10/69	5050	3.80	10.3	58 F	7.6	62	6.3	2.0	2.6	--	0.0	31	--	1.6	--	--	0.1	--	--	24
1445	5050	319	101	14 C	7.5	61	.31	.17	.11			.51		.05						0
							50	27	17			82		8						
09/05/69	5050	1.70	9.5	63 F	7.7	90	8.5	4.3	4.3	--	0.0	44	--	2.7	--	--	--	--	--	39
0800	5050	16	99	17 C	7.6	88	.42	.36	.19			.72		.08						3
							46	40	21			80		8						
							A6 2270.00 YUBA RIVER, NORTH, BELOW GOODYEARS BAR													
04/10/69	5050	5.52	11.2	48 F	7.7	88	12	2.2	1.8	--	0.0	48	--	0.8	--	--	0.1	--	--	39
1300	5050	1340	96	9 C	7.4	86	.60	.18	.08			.79		.02						0
							68	20	9			89		2						
09/05/69	5050	2.20	9.6	62 F	8.0	140	20	5.8	2.8	--	0.0	82	--	1.5	--	--	--	--	--	74
1100	5050	177	99	17 C	8.3	128	1.00	.48	.12			1.34		.04						7
							71	34	8			95		2						
							A6 3240.00 YUBA RIVER MIDDLE ABOVE OREGON CREEK													
04/10/69	5050	4.69	11.2	48.5F	7.6	63	7.1	2.0	1.6	--	0.0	33	--	0.7	--	--	0.1	--	--	26
1215	5050	745	97	9.1C	7.3	60	.35	.17	.07			.54		.02						0
							55	26	11			85		3						
09/05/69	5050	2.32	9.4	68 F	7.8	147	20	5.3	3.6	--	0.0	77	--	1.7	--	--	--	--	--	72
1015	5050	34	104	20 C	8.2	138	1.00	.44	.16			1.26		.05						9
							68	29	10			85		3						
							A6 4150.00 YUBA RIVER SOUTH AT JONES BAR													
04/10/69	5050	6.62	11.7	48 F	7.4	54	5.2	1.9	1.9	--	0.0	26	--	0.9	--	--	0.1	--	--	21
1130	5050	824	101	9 C	7.2	52	.26	.16	.08			.43		.03						0
							48	29	14			79		5						
09/05/69	5050	3.00	9.2	67 F	7.7	102	12	3.9	4.1	--	0.0	47	--	2.3	--	--	--	--	--	46
0920	5050	42	101	19 C	7.9	98	.60	.32	.18			.77		.06						8
							58	31	17			75		5						

DATE TIME	LAB SAMPLER	G.H. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TOS SUM	TH NCH
							A7 L 854.2 036.2 LAKE EDSON AT SPILLWAY NEAR GEORGETOWN													
06/05/69	5050			68 F	6.9	16	1.4	1.0	0.7	--	0.0	8.0	--	0.6	--	--	--	--	--	8
1620	5050			20 C	7.1	20	.07	.09	.03			.13		.02						2
							43	56	18			81		12						
							A7 R 903.6 024.7 HELL HOLE RESERVOIR AT BOAT RAMP													
06/05/69	5050			56 F	7.0	26	2.8	0.7	1.1	--	0.0	13	--	0.4	--	--	--	--	--	10
0845	5050			13 C	7.1	32	.14	.06	.05			.21		.01						0
							53	23	19			80		3						
							A7 R 906.8 028.2 FRENCH MEADOWS RESERVOIR AT SPILLWAY													
06/05/69	5050			56.5F	7.2	22	2.6	0.3	1.0	--	0.0	12	--	0.2	--	--	--	--	--	8
0945	5050			13.5C	7.1	26	.13	.03	.04			.20		.01						0
							59	13	18			90		4						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
			A7 1114.01				WILLOW CREEK AT NATOMA													
06/05/69	5050		8.1	76 F	8.1	218	17	12	12	--	0.0	128	--	5.1	--	--	--	--	94	94
	5055		98	24 C	7.1		.85	1.03	.52			2.10		.14						0
							38	47	23			96		6						
			A7 1116.01				AMERICAN RIVER AT FOLSOM													
10/15/68			9.0	61 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0945	5050	3.0	92	16 C	7.1															
11/05/68	5006		7.6	59 F	--	55	6.1	2.3	3.0	1.0	0.0	33	3.0	3.0	--	--	--	10	47	25
0925	5001	3.0	76	15 C	6.6	60	.30	.19	.13	.03		.54	.06	.08					45	0
							46	29	20	5		79	9	12						
01/09/69			12.6	31.9F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1335	5001	8.0	110	9.5C	7.4	60														
02/18/69	5006		12.9	31.9F	7.4	64	4.8	2.2	1.9	0.8	0.0	24	4.0	1.2	--	--	--	11	58	21
1410	5001	3.0	112	9.0C	7.3	70	.24	.18	.08	.02		.39	.08	.03					38	2
							46	35	15	4		78	16	6						
02/18/69			12.7	32 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1620	5001	1.0		90 C	7.2	75														
03/11/69			12.8	32 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1400	5001	3.0		90 C	7.2	90														
04/08/69			11.5	50.9F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1320	5001	3.0	103	10.5C	7.0	65														
05/08/69	5006		11.5	59.0F	7.4	48	5.4	1.7	1.6	0.6	0.0	24	2.8	1.4	--	--	--	9.0	43	21
1315	5001	3.0	115	15.0C	7.4	60	.27	.14	.07	.02		.39	.06	.04					34	2
							54	28	14	4		80	12	8						
06/12/69			10.6	61 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1330	5001	3.0	108	16 C	7.3	60														
07/10/69			10.5	63 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1250	5001	1.0	109	17 C	7.2	43														
08/12/69	5006		10.3	64 F	6.8	37	3.5	1.1	1.5	0.8	0.0	18	1.0	1.0	--	--	--	10	40	13
1245	5001	2.0	110	18 C	6.9	36	.17	.09	.07	.02		.30	.02	.03					28	0
							49	26	20	6		86	6	9						
09/10/69			9.0	64 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1210	5001	3.0	96	18 C	6.8	35														
			A7 2155.01				KNICKERBOCKER CR AT MOUTH NR COOL													
06/06/69	5050		9.0	66 F	8.0	211	18	13	7.1	--	0.0	123	--	3.8	--	--	--	--	--	99
1200	5050		97	19 C	7.3	220	.90	1.08	.31			2.02		.11						0
							42	51	14			95		5						
			A7 2160.01				AMERICAN RIVER, NORTH FORK, AT AUBURN DAMSITE													
10/08/68		1.20	11.5	54 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0915	5001	3.0	107	12 C	7.5															
11/07/68	5006	.36	11.2	56.3F	--	100	10	2.8	3.0	1.0	0.0	46	7.0	4.0	--	--	--	8.8	57	38
1150	5001	3.0	108	13.5C	7.8	100	.50	.23	.13	.03		.75	.15	.11					59	1
							56	26	15	3		74	15	11						
12/05/68		1.00	12.6	31.9F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0950	5001	3.0	108	8.5C	7.5	80														
1/07/69			12.6	31.9F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0950	5001	3.0	104	7.0C	7.6	100														
2/20/69	5006	6.00	12.8	31.9F	7.4	106	5.6	1.5	2.0	0.7	0.0	33	1.0	0.0	--	--	--	14	61	19
1145	5001	3.0	111	9.0C	7.4	80	.28	.12	.09	.02		.54	.02						41	0
							55	24	18	4		96	4							
3/11/69		4.60	13.3	31.9F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1025	5001	3.0	115	9.0C	7.3	90														
4/08/69		6.30	14.2	50 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1010	5001	3.0	126	10 C	7.5	58														
5/09/69	5006	6.50	11.9	59.0F	7.3	36	4.9	1.1	1.1	0.6	0.0	19	1.0	0.3	--	--	--	6.0	39	16
1215	5001	3.0	119	15.0C	7.4	40	.24	.09	.05	.02		.31	.02	.01					24	1
							60	23	13	5		91	6	3						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TOS SUM	TH NCH
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
			A7 2160.01				AMERICAN RIVER, NORTH FORK, AT AUBURN DAMSITE CONTINUED													
06/05/69	5050		10.3	61 F	7.1	36	4.6	0.8	1.3	--	0.0	19	--	0.1	--	--	--	--	--	15
1300	5050		105	16 C	7.2	32	.23	.07	.06			.31								0
							63	19	16			86								
06/12/69		3.80	11.0	59 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1110	5001	3.0	110	15 C	7.9	60														
07/10/69		2.40	10.3	64 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1030	5001	2.0	110	18 C	7.3	77														
08/12/69	5006		10.4	54 F	6.8	40	5.0	1.0	2.0	0.8	0.0	24	1.0	1.0	--	--	--	11	32	17
0900	5001	3.0	97	12 C	7.2	45	.25	.08	.09	.02		.39	.02	.03					34	0
							57	18	20	5		89	5	7						
09/10/69		2.00	10.4	61 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0910	5001	3.0	106	16 C	7.2	41														
			A7 2190.01				AMERICAN RIVER, N.F. ABOVE M.F., AT AUBURN													
01/07/69			13.1	31.9F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1110	5001	3.0	108	7.0C	7.6	110														
02/20/69	5006		12.7	31.9F	7.6	78	7.4	2.5	3.0	0.6	0.0	40	4.0	1.0	--	--	--	13	70	31
1300	5001	3.0	109	8.5C	7.3	70	.37	.21	.13	.02		.66	.08	.03					51	0
							51	29	18	3		86	10	4						
03/11/69			13.3	31.9F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1125	5001	1.0	117	9.5C	7.5	100														
04/08/69			12.7	31.9F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1045	5001	1.0	111	9.5C	7.5	60														
05/09/69	5006		12.6	57.2F	7.3	36	4.8	1.2	0.9	0.5	0.0	19	1.7	0.7	--	--	--	9.0	34	17
1300	5001	1.0	123	14.0C	7.4	40	.24	.10	.04	.01		.31	.04	.02					28	2
							62	26	10	3		84	11	5						
06/05/69			10.6	59 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1450	5050			15 C	7.6	33														
			A7 2250.01				AMERICAN RIVER, NF AT PONDEROSA BR, NR APPLEGATE													
06/06/69	5050		10.6	56 F	--	32	4.3	0.5	1.0	--	0.0	19	--	0.6	--	--	--	--	--	13
0910	5050			13 C	7.2	31	.21	.05	.04			.31		.02						0
							65	15	12			96		6						
			A7 2260.01				OWL CREEK AT GREYEAGLE MINE NEAR FORESTHILL													
06/05/69	5050		8.5	61 F	--	68	5.9	2.7	2.9	--	0.0	32	--	1.6	--	--	--	--	--	26
1415	5050		87	16 C	6.9	67	.29	.23	.13			.52		.05						0
							42	33	19			76		7						
			A7 2320.01				BUNCH CANYON CREEK NEAR COLFAX													
06/06/69	5050		9.3	61 F	7.6	131	9.5	4.4	8.5	--	0.0	43	--	14	--	--	--	--	--	42
0950	5050		95	16 C	7.3	130	.47	.37	.37			.71		.39						7
							35	28	28			54		29						
			A7 2350.00				AMERICAN RIVER, NORTH FORK, NEAR COLFAX													
06/05/69	5050		10.4	75 F	7.2	36	4.3	1.0	1.2	--	0.0	19	--	0.6	--	--	--	--	--	15
1315	5050		124	24 C	7.2	36	.21	.08	.05			.31		.02						0
							58	22	13			86		5						
			A7 2358.01				SHIRTTAIL CANYON CREEK ABOVE DEVILS CANYON CREEK													
06/05/69	5050		8.7	69 F	7.5	86	6.9	5.0	2.3	--	0.0	41	--	1.1	--	--	--	--	--	38
1340	5050		97	21 C	7.6	80	.34	.42	.10			.67		.03						5
							39	48	11			77		3						
			A7 2485.01				INDIAN CR AT IOWA HILL													
06/04/69	5050		9.4	58 F	7.2	56	5.1	2.5	2.0	--	0.0	23	--	1.5	--	--	--	--	--	23
0915	5050		92	14 C	7.0	58	.25	.21	.09			.38		.04						4
							44	37	16			67		7						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
A7 2500.01							AMERICAN RIVER, NORTH FORK, AT COLFAX													
10/08/68			10.3	57 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1030	5001	3.0	100	14 C	7.9															
11/07/68	5006		11.6	50 F	--	115	13	2.8	4.0	1.0	0.0	56	8.0	5.0	--	--	--	10	48	45
1010	5001	3.0	103	10 C	7.5	120	.65	.23	.17	.03		.92	.17	.14					71	0
							60	21	16	3		75	14	11						
12/05/68			13.4	31.9F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1115	5001	3.0		4.5C	7.5	140														
06/04/69	5050		10.9	58 F	7.4	31	4.1	0.6	1.0	--	0.0	14	--	0.3	--	--	--	--	--	13
0815	5050			14 C	7.0	28	.20	.06	.04			.23		.01						2
							64	19	12			74		3						
A7 2555.01							CANYON CR AT GOLD RUN													
06/04/69	5050		8.3	67 F	7.7	90	8.2	3.0	4.1	--	0.0	35	--	4.3	--	--	--	--	--	33
1220	5050		91	19 C	7.2	89	.41	.25	.18			.57		.12						5
							45	27	20			63		13						
A7 2605.01							BLUE CANYON CR AT MOUTH NR BAXTER													
06/04/69	5050		9.0	63 F	7.3	65	6.8	2.1	2.3	--	0.0	29	--	2.3	--	--	--	--	--	26
1415	5050		94	17 C	7.3	65	.34	.18	.10			.48		.06						2
							52	27	15			73		9						
A7 2620.01							AMERICAN R NF OF NF AB BLUE CANYON CR													
06/04/69	5050		9.7	58 F	7.1	28	2.9	1.4	0.8	--	0.0	15	--	0.8	--	--	--	--	--	13
1420	5050		95	14 C	7.2	27	.14	.12	.03			.25		.02						1
							50	42	10			89		7						
A7 2627.01							FULDA CREEK NEAR BLUE CANYON													
06/05/69	5050		7.9	58 F	7.3	76	6.2	1.5	5.2	--	0.0	19	--	14	--	--	--	--	--	22
1010	5050		78	14 C	6.8	77	.31	.13	.23			.31		.39						7
							40	17	30			40		51						
A7 2650.01							AMERICAN RIVER, EF OF NF OF NF AT TUNNEL MILL CG													
06/05/69	5050		9.9	49 F	7.1	29	3.7	0.9	0.5	--	0.0	16	--	0.7	--	--	--	--	--	13
1005	5050		87	9 C	7.1	28	.18	.07	.02			.26		.02						0
							62	24	6			89		6						
A7 2672.01							AMERICAN RIVER, NF OF NF, NEAR EMIGRANT GAP													
06/05/69	5050		9.2	54 F	--	--	1.9	1.5	0.7	--	0.0	12	--	0.3	--	--	--	--	--	11
1040	5050		86	12 C	7.1	21	.09	.12	.03			.20		.01						1
A7 3100.00							AMERICAN RIVER, MIDDLE FORK, NEAR AUBURN													
10/08/68	5006		10.8	57 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1330	5001	3.0	105	14 C	7.5															
11/07/68	5006		11.5	57.2F	--	60	6.8	1.4	3.0	1.0	0.0	28	4.0	3.0	--	--	--	32	32	
1305	5001	3.0	112	14.0C	8.2	70	.34	.12	.13	.03		0.47	.08	.08					190	
							55	19	21	5		25	13	12						
12/05/68			12.7	50.9F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1335	5001	3.0		10.5C	7.8	60														
01/07/69	5006		12.8	32 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1045	5001	6.0		70 C	7.4	70														
02/20/69	5006		12.9	32 F	7.4	54	5.1	1.2	2.2	0.8	0.0	25	1.0	0.0	--	--	--	12	51	18
1330	5001	3.0	185	80 C	7.2	70	.25	.10	.10	.02		.41	.02						35	0
							53	21	21	4		95	5							
03/11/69	5006		13.2	32 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1150	5001	3.0	92	90 C	7.2	60														
04/02/69	5050	10.10	12.2	47 F	7.3	38	4.2	1.1	1.6	--	0.0	19	--	1.0	--	--	0.0	--	--	15
1545	5050	4040	104	8 C	7.1	36	.21	.09	.07			.31		.03						0
							55	23	18			81		7						
04/08/69	5006		13.0	50 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1105	5001	3.0	115	10 C	7.4	45														
05/09/69		7.00	11.7	59.9F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1345	5001	3.0		15.5C	7.4	40														

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER; MILLIEQUIVALENTS PER LITER; PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
A7 3165.01							GAS CANYON CR AT MOUTH NR GEORGETOWN													
06/04/69	5050		9.2	64 F	7.9	166	9.9	13	3.3	--	0.0	94	--	2.5	--	--	--	--	--	81
0820	5050			18 C	7.7	175	.49	1.13	.14			1.54		.07						4
							29	68	8			92		4						
A7 3175.01							AMERICAN RIVER, MF, AT GREENWOOD BRIDGE NEAR GREENWOOD													
06/04/69	5000		11.3	55 F	7.1	36	4.4	0.7	1.4	--	0.0	18	--	0.5	--	--	--	--	--	14
0845	5050		107	13 C	7.3	41	.22	.06	.06			.30		.01						0
							61	16	16			83		2						
A7 3180.01							TODD CREEK AT MOUTH NR GEORGETOWN													
06/04/69	5050		9.9	64 F	7.9	164	15	9.3	4.4	--	0.0	86	--	2.8	--	--	--	--	--	76
0920	5050		105	18 C	7.9	175	.75	.77	.19			1.41		.08						6
							45	46	11			85		4						
A7 3252.05							VOLCANO CN AT MOSQUITO RIDGE RD NR FORESTHILL													
06/04/69	5000		9.3	63 F	7.6	78	5.5	4.9	2.5	--	0.0	40	--	1.0	--	--	--	--	--	34
1125	5050		97	17 C	7.7	87	.27	.41	.11			.66		.03						1
							34	52	14			84		3						
A7 3253.05							MAD CANYON AT MOSQUITO RIDGE ROAD NR FORESTHILL													
06/04/69			9.3	64 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1205	5050			18 C	8.2	190														
A7 3280.00							AMERICAN RIVER, NF OF MF, NEAR FORESTHILL													
06/04/69	5050	5.12	10.7	64.5F	7.1	33	3.8	--	1.0	--	0.0	15	--	0.1	--	--	--	--	--	--
1330	5050			18.0C	7.3	36	.19		.04			.25								
							57		12			75								
A7 3298.01							PEAVINE CR AT PEAVINE RIDGE RD NR FRENCH MEADOWS RESERVOIR													
06/05/69				54 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1130	5050			12 C	6.9	20														
A7 3694.01							DUNCAN CR AT MOSQUITO RIDGE RD NR FRENCH MEADOWS RESERVOIR													
06/05/69				46 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1040	5050			8 C	7.1	28														
A7 3800.10							AMERICAN RIVER, MF, BELOW FRENCH MEADOWS DAM													
06/05/69	5000			42 F	7.2	26	2.7	0.7	1.2	--	0.0	14	--	0.5	--	--	--	--	--	10
1005	5050			6 C	6.9	35	.13	.06	.05			.23		.01						0
							50	23	19			88		3						
A7 4080.01							AMERICAN RIVER SOUTH FORK NR PILOT HILL													
10/08/68			11.1	59 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1420	5001	3.0	111	15 C	7.7															
11/07/68	5006		11.1	54 F	--	45	3.8	0.9	3.0	1.0	0.0	18	4.0	3.0	--	--	--	8.1	35	13
1355	5001	3.0	103	12 C	7.4	50	.19	.07	.13	.03		.30	.08	.08					33	0
							45	17	31	7		65	17	17						
12/05/68			12.9	31.9F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1435	5001	3.0	108	7.5C	7.3	40														
01/07/69			13.2	31.9F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1300	5001	3.0	109	7.0C	7.4	70														
02/20/69	5006		12.6	31.9F	7.4	64	4.0	2.2	3.0	0.7	0.0	31	1.0	1.0	--	--	--	14	59	19
1440	5001	3.0	106	8.0C	7.2	75	.20	.18	.13	.02		.51	.02	.03					41	0
							38	34	25	4		91	4	5						
03/11/69			13.3	31.9F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1310	5001	3.0	115	9.0C	7.1	60														
04/08/69			12.9	32 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1340	5001	3.0	112	9 C	7.3	55														
05/08/69	5006		12.4	59.0F	7.0	27	2.4	0.9	1.3	0.7	0.0	14	1.0	1.2	--	--	--	8.0	35	10
1410	5001	2.0	124	15.0C	7.4	40	.12	.07	.06	.02		.23	.02	.03					22	0
							44	26	22	7		82	7	11						
06/12/69			9.5	61 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1240	5001	3.0	97	16 C	7.3															
07/10/69			8.0	79 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1210	5001	2.0	100	26 C	7.2	49														

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.M. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH	
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER					
			A7 4080.01				AMERICAN RIVER SOUTH FORK NR PILOT HILL								CONTINUED						
8/12/69	5006		8.3	77 F	6.9	41	4.0	1.3	2.0	0.9	0.0	23	1.0	1.0	--	--	--	11	40	16	E
1020	5001	3.0	102	25 C	7.1	48	.20	.11	.09	.02		.38	.02	.03					32	0	X
							48	26	21	5		88	5	7							
9/10/69			8.4	77 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1030	5001	3.0	103	25 C	7.3	43															
			A7 4100.10				WEBER CREEK NEAR SALMON FALLS														
6/06/69	5050		9.9	73 F	7.9	193	15	9.8	9.6	--	0.0	92	--	6.8	--	--	--	--	--	78	
	5050		116	23 C	7.8	150	.75	.81	.42			1.51		.19						3	
							38	41	21			78		9							
			A7 4150.00				AMERICAN RIVER, SOUTH FORK, NEAR LOTUS														
4/02/69	5050	8.22	12.6	46 F	7.4	34	3.1	1.5	1.9	--	0.0	15	--	1.5	--	--	0.1	--	--	14	
1500	5050	4020	106	8 C	7.3	35	.15	.12	.08			.25		.04						2	
							44	35	23			73		11							
			A7 4490.01				AMERICAN RIVER SOUTH FORK, AT RIVERTON														
6/06/69	5050		12.0	--	--	--	2.0	--	1.3	--	0.0	10	--	0.9	--	--	--	--	--	--	
	5050				6.8		.10		.06			.16		.03							
			A7 4580.01				AMERICAN RIVER, SILVER FORK OF SF, AT MOUTH														
6/06/69	5050		12.0	51 F	7.0	22	2.3	0.5	1.2	--	0.0	11	--	0.1	--	--	--	--	--	8	
	5050		108	11 C	6.8	50	.11	.05	.05			.18								0	
							50	22	22			81									
			A7 4728.01				PYRAMID CREEK AT HIGHWAY 50 AT TWIN BRIDGES														
6/06/69	5050		10.6	43 F	6.1	4	0.4	--	0.5	--	0.0	1.0	--	0.5	--	--	--	--	--	--	
	5050		85	6 C		95	.02		.02			.02		.01							
							50		50			50		25							
			A7 5050.01				RUBICON RIVER BELOW RALSTON PH NR FORESTHILL														
6/04/69	5000		12.4	49 F	7.1	28	3.3	0.9	1.2	--	0.0	14	--	0.5	--	--	--	--	--	12	
1405	5050		108	9 C	6.9	33	.16	.07	.05			.23		.01						1	
							57	25	17			82		3							
			A7 5117.01				LONG CANYON CREEK AT RUMSEY CROSSING														
6/04/69			9.6	56.5F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1655	5050			13.5C	7.1	35															
			A7 5123.01				LONG CANYON CR, NF, AT PG&E CONSTRUCTION CP NR FRENCH MEADOWS														
6/05/69				51.5F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
0600	5050			10.8C	6.9	27															
			A7 5200.00				PILOT CREEK NEAR GEORGETOWN														
6/05/69	5050			43 F	6.9	19	2.0	0.9	0.8	--	0.0	10	--	0.3	--	--	--	--	--	9	
1640	5050			6 C	6.7	25	.10	.08	.03			.16		.01						1	
							52	42	15			84		5							
			A7 5214.01				PILOT CREEK BELOW PLUM CREEK														
6/05/69				54 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1800	5050			12 C	6.9	17															
			A7 5215.01				PLUM CREEK AT PILOT CREEK														
6/05/69				52 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1745	5050			11 C	6.2	18															
			A7 5218.01				PILOT CREEK ABOVE PLUM CREEK														
6/05/69				54 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1750	5050			12 C	6.9	18															

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
			A7 5310.00				RUBICON RIVER BELOW HELL HOLE DAM													
06/05/69	5050		10.1	52 F	6.8	12	1.1	0.5	1.3	--	0.0	6.0	--	0.0	--	--	--	--	--	5
0740	5050			11 C	6.9	15	.05	.04	.06			.10								0
							41	33	50			83								
			A8 L 857.0 239.6				CLEAR LAKE NR CLEARLAKE HIGHLANDS													
11/20/68	5050		7.0	57 F	8.4	296	--	--	12	--	3.0	163	--	6.5	4.0	--	0.9	--	--	136
1330	5050		68	14 C	7.3				.52		.10	2.67		.18	.06					0
									17		3	90		6	2					
12/05/68	5050		9.0	51 F	8.2	307	--	--	12	--	0.0	168	--	6.5	4.5	--	0.8	--	--	147
1000	5050		81	11 C	7.5				.52			2.76		.18	.07					9
									16			89		5	2					
			A8 L 902.7 254.7				CLEAR LAKE AT LAKEPORT													
10/03/68	5050		6.9	73 F	8.0	284	--	--	11	--	0.0	151	--	6.0	5.0	--	0.7	--	--	129
1310	5050		81	23 C	7.8				.48			2.48		.17	.08					5
									16			87		5	2					
11/20/68	5050		9.0	54 F	8.4	282	--	--	12	--	2.0	158	--	6.1	2.0	--	0.7	--	--	131
1120	5050		84	12 C	7.5				.52		.07	2.59		.17	.03					0
									18		2	91		6	1					
12/05/68	5050		8.9	49 F	8.3	284	--	--	11	--	0.0	163	--	6.3	2.3	--	0.7	--	--	140
0830	5050		78	9 C	7.8				.48			2.67		.18	.04					7
									16			94		6	1					
01/23/69	5050		11.3	44 F	8.0	203	--	--	8.0	--	0.0	111	--	4.5	2.0	--	0.5	--	--	96
1430	5050		92	7 C	7.3				.35			1.82		.13	.03					5
									17			89		6	1					
02/19/69	5050		10.8	47 F	8.1	206	--	--	8.0	--	0.0	111	--	4.6	4.2	--	0.4	--	--	101
1740	5050		92	8 C	7.4				.35			1.82		.13	.07					10
									16			88		6	3					
03/12/69	5050		11.5	47 F	7.7	206	--	--	6.4	--	0.0	107	--	4.2	1.5	--	0.4	--	--	100
1655	5050		98	8 C	7.6				.28			1.75		.12	.02					13
									13			84		5						
04/10/69	5050		10.3	53 F	7.6	202	--	--	7.2	--	0.0	108	--	4.6	1.9	--	0.4	--	--	88
0815	5050		95	12 C	7.6				.31			1.77		.13	.03					0
									15			87		6	1					
05/15/69	5050		10.3	66 F	7.9	213	18	12	7.2	1.2	0.0	115	5.1	5.9	1.5	--	0.5	--	86	94
0745	5050		111	19 C	8.2		.90	.99	.31	.03		1.89	.11	.17	.02				108	0
							40	44	14	1		86	5	8	1					
06/12/69	5050		7.2	69 F	8.0	224	--	--	7.8	--	0.0	121	--	5.5	1.0	--	0.6	--	--	102
0900	5050		81	21 C	7.8				.34			1.98		.16	.02					3
									15			88		7						
07/17/69	5050		8.1	80 F	8.1	231	--	--	8.7	--	0.0	129	--	4.7	1.2	--	0.5	--	--	110
1100	5050		102	27 C	8.2				.38			2.12		.13	.02					4
									16			91		5						
08/07/69	5050		5.5	74 F	8.1	235	--	--	9.0	--	0.0	130	--	4.9	1.5	--	0.6	--	--	105
0810	5050		65	23 C	7.8				.39			2.13		.14	.02					0
									16			90		5						
09/11/69	5050		7.7	78 F	9.1	242	23	13	9.0	0.1	3.0	132	6.9	5.2	0.0	--	0.6	--	145	110
1130	5050		95	26 C	7.9		1.15	1.07	.39		.10	2.16	.14	.15					125	0
							44	41	15		4	85	5	6						

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
			A8 1120.00				CACHE CREEK NEAR CAPAY													
10/09/68	5050		10.1	58 F	8.2	477	32	23	32	--	0.0	215	--	35	--	--	--	--	--	178
0900	5050	71	99	14 C	8.0	435	1.60	1.96	1.39			3.53		.99						2
							33	41	29			74		20						
03/06/69	5050	8.37	12.4	48 F	8.2	350	26	21	15	--	0.0	178	--	9.9	--	--	--	--	--	153
1300	5050	5190	107	9 C	8.2	345	1.30	1.76	.65			2.92		.28						7
							37	50	18			83		8						
09/17/69	5050	2.73	10.3	75 F	7.4	337	25	18	18	1.7	0.0	174	11	15	1.3	--	1.1	--	176	138
1330	5050	220	123	24 C	7.6	300	1.25	1.48	.78	.04		2.85	.23	.42	.02				176	0
							35	42	22	1		81	7	12	1					

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP		PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: F	B	SIO2	TDS SUM	TH NCH
			AB 1250.00					BEAR CREEK NEAR RUMSEY													
12/16/68	5050	2.35	12.7	43	F	8.5	800	--	--	92	--	7.0	208	--	135	4.2	--	2.3	--	--	220
1450	5050	88	102	6	C	8.3				4.00		.23	3.41		3.81	.07					38
										50		2	42		47						
01/23/69	5050	2.85	13.2	40	F	8.6	851	--	--	68	--	16	302	--	89	--	--	1.9	--	--	283
1640	5050	175	102	4	C	8.2				2.96		.53	4.95		2.51						9
										34		6	58		29						
02/20/69	5050	3.05	12.1	47	F	8.7	894	--	--	62	--	26	358	--	67	4.8	--	1.6	--	--	368
1100	5050	229	103	8	C	8.3				2.70		.87	5.87		1.89	.08					31
										30		9	65		21						
03/13/69	5050	2.90	13.0	42	F	8.5	919	--	--	62	--	4.0	422	--	70	2.6	--	1.4	--	--	382
0820	5050	192	103	6	C	8.5				2.70		.13	6.92		1.97	.04					30
										29		1	75		21						
04/10/69	5050	2.10	11.3	57	F	8.5	1260	--	--	107	--	23	510	--	130	4.2	--	3.2	--	--	523
1100	5050	60	110	14	C	8.4				4.65		.77	8.36		3.67	.07					67
										36		6	66		29						
05/15/69	5050	1.84	10.2	72	F	8.6	1800	27	113	197	3.0	41	587	74	250	5.8	--	5.7	--	1050	532
1045	5050	36	119	22	C	8.7		1.35	9.29	8.57	.08	1.37	9.63	1.54	7.05	.09				1004	0
								7	48	44		7	49	8	36						
06/12/69	5050	1.25	10.1	75	F	8.7	2340	--	--	315	--	54	613	--	405	8.8	--	9.4	--	--	564
1140	5050	7.1	121	24	C	8.4				13.70		1.80	10.05		11.42	.14					0
										58		7	42		48						
07/17/69	5050	.81	9.4	87	F	8.9	2740	--	--	423	--	55	634	--	509	1.6	--	14.0	--	--	546
1400	5050	1.4	128	31	C	8.5				18.40		1.83	10.40		14.35	.03					0
										67		6	37		52						
08/07/69	5050	.79	9.6	73	F	8.8	3020	--	--	497	--	63	696	--	624	0.9	--	16.0	--	--	551
1045	5050	1.3	113	23	C	8.7				21.62		2.10	11.41		17.60	.01					0
										71		6	37		58						
09/11/69	5050	.78	11.0	60	F	8.9	3580	16	125	581	27	86	698	55	785	1.6	--	20.0	--	2100	556
1445	5050	1.1	140	27	C	8.7		.80	10.28	25.27	.69	2.86	11.45	1.14	22.14	.03				2039	0
								2	28	68	2	8	30	3	59						
			AB 1350.00					CACHE CREEK NEAR LOWER LAKE													
10/03/68	5050	2.00	8.6	69	F	8.0	306	--	--	12	--	0.0	161	--	6.2	6.5	--	1.0	--	--	134
1415	5050	101	96	21	C	8.0				.52			2.64		.17	.10					2
										16			86		5	3					
11/20/68	5050	.33	10.1	55	F	7.8	299	--	--	12	--	0.0	159	--	6.5	5.8	--	0.8	--	--	135
1220	5050	2.2	96	13	C	7.6				.52			2.61		.18	.09					5
										17			87		6	3					
12/05/68	5050	.30	9.8	46	F	8.1	310	--	--	13	--	0.0	170	--	7.2	6.5	--	0.8	--	--	147
0920	5050	1.8	82	8	C	7.9				.57			2.79		.20	.10					8
										18			90		6	3					
01/23/69	5050	6.80	11.5	42	F	8.1	261	--	--	11	--	0.0	141	--	6.0	4.8	--	0.8	--	--	115
1525	5050	3120	91	6	C	7.3				.48			2.31		.17	.08					0
										18			88		6	3					
02/19/69	5050	7.14	12.0	46	F	8.1	266	--	--	11	--	0.0	146	--	6.1	2.9	--	0.8	--	--	123
1540	5050	3620	101	8	C	7.9				.48			2.39		.17	.05					4
										18			89		6	1					
03/12/69	5050	6.71	12.0	45	F	8.2	253	--	--	8.4	--	0.0	136	--	5.2	0.0	--	0.7	--	--	118
1545	5050	2990	99	7	C	7.5				.37			2.23		.15						7
										14			88		5						
04/10/69	5050	4.77	10.9	55	F	7.5	252	--	--	9.7	--	0.0	135	--	6.8	2.5	--	0.8	--	--	110
0930	5050	1060	103	13	C	7.5				.42			2.21		.19	.04					0
										16			87		7	1					
05/15/69	5050	3.56	9.2	70	F	7.5	250	20	15	9.2	1.9	0.0	133	12	6.9	2.9	--	0.7	--	131	112
0915	5050	456	104	21	C	8.1		1.00	1.23	.40	.05		2.18	.25	.19	.05				134	3
								37	46	15	2		82	9	7	2					
06/12/69	5050	3.19	8.8	72	F	7.7	248	--	--	9.2	--	0.0	135	--	6.4	3.5	--	0.7	--	--	112
1015	5050	338	102	22	C	7.5				.40			2.21		.18	.06					2
										16			89		7	2					
07/17/69	5050	3.89	7.8	81	F	8.3	243	--	--	9.4	--	0.0	134	--	5.0	3.1	--	0.7	--	--	110
1200	5050	586	99	27	C	8.3				.41			2.20		.14	.05					0
										16			90		5	2					
08/07/69	5050	3.68	8.1	78	F	8.3	246	--	--	9.8	--	0.0	137	--	5.2	1.8	--	0.7	--	--	112
0910	5050	502	100	26	C	8.4				.43			2.25		.15	.03					0
										17			91		6	1					
09/11/69	5050	2.75	8.3	78	F	8.3	245	20	12	9.7	1.8	0.0	133	5.9	5.5	0.7	--	0.8	--	112	100
1225	5050	231	103	26	C	8.1		1.00	.99	.42	.05		2.18	.12	.16	.01				122	0
								41	40	17	2		88	5	6						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP		PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
				AB 2050.00				CACHE CREEK, NORTH FORK, NEAR LOWER LAKE													
11/19/68	5050	1.51	12.4	58	F	8.4	1010	--	--	70	--	9.0	292	--	152	--	--	7.8	--	--	359
1150	5050	25	122	14	C	8.3				3.05		.30	4.79		4.29						105
										30		2	47		42						
12/05/68	5050	1.35	13.7	47	F	8.5	938	--	--	66	--	14	276	--	154	--	--	7.5	--	--	352
1040	5050	16	117	8	C	8.2				2.87		.47	4.53		4.34						102
										30		5	48		46						
01/23/69	5050	5.48	12.7	43	F	8.1	171	--	--	6.9	--	0.0	92	--	4.1	--	--	0.2	--	--	72
1600	5050	1700	102	6	C	7.5				.30			1.51		.12						0
										17			88		7						
02/20/69	5050	4.24	12.1	46	F	8.4	228	--	--	7.5	--	2.0	128	--	4.5	--	--	0.3	--	--	112
1020	5050	897	101	8	C	7.9				.33		.07	2.10		.13						4
										14		3	92		5						
03/12/69	5050	3.58	12.1	46	F	8.1	280	--	--	8.2	--	0.0	162	--	5.9	--	--	0.4	--	--	136
1430	5050	592	101	8	C	8.1				.36			2.66		.17						3
										12			95		6						
04/10/69	5050	2.48	11.8	53	F	8.3	300	--	--	12	--	0.0	167	--	8.6	--	--	0.7	--	--	134
1050	5050	256	109	12	C	8.2				.52			2.74		.24						0
										17			91		8						
05/15/69	5050	1.54	10.2	69	F	8.2	422	28	28	20	1.0	0.0	221	12	22	1.2	--	1.7	--	236	185
1000	5050	79	114	21	C	8.4		1.40	2.30	.87	.03		3.62	.25	.62	.02				222	4
								30	50	19	1		80	6	14						
06/12/69	5050	1.15	10.8	74	F	8.6	490	--	--	27	--	7.0	230	--	34	--	--	2.5	--	--	211
1100	5050	30	128	23	C	8.4				1.17		.23	3.77		.96						11
										23		4	76		19						
07/17/69	5050	1.22	9.5	87	F	8.4	496	--	--	31	--	2.0	223	--	42	--	--	3.0	--	--	203
1315	5050	8.9	129	31	C	8.4				1.35		.07	3.66		1.18						17
										27		1	73		23						
08/07/69	5050	1.01	9.5	73	F	8.3	515	--	--	33	--	0.0	228	--	47	--	--	2.9	--	--	206
0955	5050	5.3	111	23	C	8.3				1.44			3.74		1.33						19
										27			72		25						
09/11/69	5050	.81	10.1	79	F	8.3	499	29	27	33	1.8	0.0	199	17	54	0.0	--	3.4	--	264	185
1305	5050	2.8	126	26	C	8.3		1.45	2.22	1.44	.05		3.26	.35	1.52					263	22
								28	43	28	1		64	7	30						
				AY 1250.00				PUTAH CREEK NEAR WINTERS													
05/01/69	5000	6.95	11.1	63	F	8.1	304	19	25	9.0	1.1	0.0	172	18	4.9	0.0	--	0.7	--	173	149
1400	5050	419	116	17	C	8.6	300	.95	2.06	.39	.03		2.82	.37	.14					162	8
								28	60	11	1		85	11	4						
				BO 1125.00				COSUMNES RIVER AT MCCONNELL													
03/03/69	5000	37.32	12.6	47	F	--	--	8.7	--	3.6	--	0.0	53	--	2.2	--	--	--	--	--	--
1100	5050	3210	107	8	C	7.2	103	.43		.16			.87		.06						
				BO 1170.00				COSUMNES RIVER AT SLOUGHHOUSE													
09/23/69	5050		7.2	68	F	7.7	158	8.7	4.9	4.5	--	0.0	58	--	2.2	--	--	--	--	--	42
0815	5050		80	20	C	7.4	110	.43	.41	.20			.95		.06						0
								27	25	12			60		3						
03/04/69	5000	4.70	12.2	52	F	8.3	151	15	9.1	4.7	--	0.0	69	--	2.8	--	--	--	--	--	75
1430	5050		111	11	C	7.6	150	.75	.75	.20			1.13		.08						19
								49	49	13			74		5						
				BO 2105.00				MOKELUMNE RIVER AT WOODBRIDGE													
10/10/68	5050	3.58	9.5	59	F	7.3	64	6.0	2.1	2.5	--	0.0	25	--	2.0	--	--	--	--	--	24
0800	5050	38	94	15	C	7.3	42	.30	.18	.11			.41		.06						4
								46	28	17			64		9						
03/03/69	5050	16.10	12.6	49	F	7.2	50	4.3	2.0	2.1	--	0.0	20	--	1.6	--	--	--	--	--	19
1225	5050	2360	110	9	C	7.1	48	.21	.17	.09			.33		.05						3
								42	34	18			66		10						
08/14/69	5050	7.77	9.0	67	F	6.9	41	3.7	1.7	1.8	1.1	0.0	22	1.2	1.1	0.2	--	0.0	--	30	16
0900	5050	540	99	19	C	7.1	37	.18	.14	.08	.03		.36	.02	.03					22	0
								42	33	19	7		88	5	7						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP		PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
								MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
			BO 2143.00					MOKELUMNE RIVER BELOW CAMANCHE DAM													
3/04/69	5050		13.4	49	F	7.3	55	5.0	2.0	2.1	--	0.0	22	--	1.7	--	--	--	--	--	21
1340	5050	2590	117	9	C	7.1	54	.25	.17	.09			.36		.05						3
								45	30	16			65		9						
8/14/69	5050		10.0	66	F	7.9	47	4.0	0.9	1.8	--	0.0	17	--	1.4	--	--	--	--	--	14
1140	5050	1050	108	19	C	7.1	36	.20	.08	.08			.28		.04						0
								42	17	17			59		8						
			BO 2515.01					CALAVERAS RIVER AT STOCKTON													
0/01/68				--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0930	5050	DRY																			
1/08/68	5050		7.0	55	F	7.9	294	19	11	14	--	0.0	104	--	24	--	--	--	--	--	96
0945	5050		66	13	C	7.2	298	.95	.97	.61			1.71		.68						11
								32	32	20			58		23						
2/13/68	5050		11.1	43	F	7.7	225	22	8.0	13	--	0.0	100	--	6.7	--	--	--	--	--	88
0840	5050		89	6	C	7.3	230	1.10	.66	.57			1.64		.19						6
								48	29	25			72		8						
2/02/69	5050		12.4	47	F	7.8	176	18	9.7	7.3	--	0.0	81	--	4.4	--	--	--	--	--	85
0830	5050		106	8	C	7.8	182	.90	.80	.32			1.33		.12						19
								51	45	18			75		6						
3/04/69	5050		12.7	50	F	8.3	143	15	6.7	4.2	--	0.0	73	--	3.0	--	--	--	--	--	65
1245	5050		112	10	C	7.4	150	.75	.55	.18			1.20		.08						5
								52	38	12			83		5						
4/22/69		DRY		--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1130	5050																				
5/16/69	5050		8.4	70	F	7.2	174	17	7.1	5.5	--	0.0	74	--	5.2	--	--	--	--	--	72
0840	5050		95	21	C	7.4	140	.85	.59	.24			1.21		.15						12
								48	33	13			69		8						
6/17/69	5050		9.7	84	F	7.5	198	17	7.6	8.2	--	0.0	70	--	6.7	--	--	--	--	--	74
1345	5050		128	29	C	8.2	195	.85	.63	.36			1.15		.19						17
								42	31	18			58		9						
7/02/69	5050		8.0	75	F	8.1	152	16	6.8	5.1	--	0.0	76	--	3.7	--	--	--	--	--	68
0900	5050		96	24	C	7.6	150	.80	.56	.22			1.25		.10						6
								52	36	14			82		6						
8/01/69	5050		7.2	77	F	7.5	152	15	6.2	5.8	--	0.0	71	--	4.4	--	--	--	--	--	63
1130	5050		88	25	C	7.2	142	.75	.51	.25			1.16		.12						5
								49	33	16			76		7						
9/19/69		DRY		--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0845	5050																				
			BO 7020.00					SAN JOAQUIN RIVER NEAR VERNALIS													
1/29/69	5006		10.0	32	F	7.1	128	7.3	3.4	7.0	2.0	0.0	46	1.0	6.0	--	--	--	12	99	32
1510	5001	3.0	82	7	C	7.2	130	.36	.28	.30	.05		.75	.02	.17					61	0
								36	28	30	5		80	2	18						
2/26/69	5006		10.8	50	F	--	193	--	--	--	--	--	--	--	20	--	--	--	14	126	--
1510	5001	3.0	96	10	C	7.3	170								.56						
															29						
3/28/69	5006		10.1	64	F	7.3	235	16	6.1	22	1.6	0.0	80	1.1	26	--	--	--	12	160	65
1045	5001	3.0	107	18	C	7.6	240	.80	.50	.96	.04		1.31	.02	.73					124	0
								35	22	42	2		64	1	35						
5/01/69	5006		9.0	63	F	--	--	--	--	--	--	--	--	--	100	--	--	--	14	--	--
1330	5001	3.0	94	17	C	7.3	180								2.82						
5/01/69			9.2	61	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1350	5001	9.0		16	C	7.3	175														
6/09/69			8.8	64	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1335	5001	3.0		18	C	7.1	80														
7/22/69			7.5	79	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1510	5001	3.0	94	26	C	7.3	430														
8/20/69	5006		6.2	75	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1120	5001	3.0	75	24	C	7.6	562														
9/17/69	5006		8.1	72	F	--	430	--	--	--	--	--	--	--	62	--	--	--	18	277	--
1515	5001	3.0	94	22	C	7.5	430								1.75						
															40						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
			81 1150.00				COSUMNES RIVER AT MICHIGAN BAR													
10/01/68	5050	2.25	10.1	66 F	7.7	96	8.8	3.9	4.6	--	0.0	51	--	2.4	--	--	--	--	--	38
1115	5050	7.6	109	19 C	7.9	95	.44	.32	.20			.84		.07						0
							45	33	20			87		7						
03/04/69	5050	5.26	12.9	49 F	7.6	99	8.6	5.7	3.4	--	0.0	50	--	2.0	--	--	--	--	--	45
1510	5050	1740	113	9 C	7.4	99	.43	.47	.15			.82		.06						4
							43	47	15			82		6						
09/23/69	5050		9.0	72 F	7.7	82	7.8	3.3	3.8	1.9	0.0	42	5.8	2.7	0.8	--	0.0	--	52	33
1045	5050		104	22 C	7.6	94	.39	.27	.17	.05		.69	.12	.08	.01				47	0
							44	31	19	6		77	13	9	1					
			81 1300.01				BIG INDIAN CREEK NEAR NASHVILLE													
09/24/69	5050		8.3	65.4F	7.5	129	13	6.4	4.7	--	0.0	72	--	2.5	--	--	--	--	--	59
1530	5050		89	18.5C	7.2	130	.65	.53	.20			1.18		.07						0
							50	41	15			91		5						
			81 2100.00				COSUMNES RIVER, NORTH FORK, NEAR EL DORADO													
04/02/69	5050	5.62	12.2	45 F	7.2	31	2.7	1.0	1.8	--	0.0	16	--	0.8	--	--	0.1	--	--	11
1345	5050	1110	101	7 C	7.1	30	.13	.08	.08			.26		.02						0
							41	25	25			83		6						
09/24/69	5050	1.82	9.6	72.7F	8.2	61	6.2	2.6	3.1	1.6	0.0	31	5.1	1.9	0.1	--	0.0	--	58	26
1540	5050		112	22.5C	7.3	58	.31	.21	.13	.04		.51	.11	.05					36	1
							45	30	19	6		76	16	7						
			81 2300.00				CAMP CREEK NEAR SOMERSET													
09/22/69	5050		9.3	59 F	7.3	46	4.2	2.0	2.3	--	0.0	22	--	1.0	--	--	--	--	--	19
1440	5050		92	15 C	6.8	44	.21	.17	.10			.36		.03						1
							45	36	21			78		6						
			81 2470.01				CAMP CREEK BELOW DIAMOND CREEK NR BALTIC LOOKOUT													
09/23/69	5050		9.5	54.2F	7.2	45	4.0	2.6	2.1	--	0.0	24	--	0.0	--	--	--	--	--	21
1315	5050		89	12.3C	6.8	60	.20	.22	.09			.39								2
							44	48	20			86								
			81 2659.01				COSUMNES RIVER, NORTH FORK, AT SWEENEY,S XING													
09/23/69	5050		9.4	57.4F	7.7	49	4.1	2.3	2.5	--	0.0	25	--	1.5	--	--	--	--	--	20
	5050		92	14.0C	7.2	53	.20	.19	.11			.41		.04						0
							40	38	22			83		8						
			81 2670.01				COSUMNES RIVER, STEELY FORK, NEAR COLES STATION													
09/23/69	5050		9.4	53.2F	7.6	44	3.3	2.1	2.5	--	0.0	23	--	1.1	--	--	--	--	--	17
1600	5050		87	11.7C	7.2	40	.16	.18	.11			.38		.03						0
							36	40	25			86		6						
			81 2800.01				COSUMNES RIVER, NORTH FORK, AT CAPS CROSSING													
09/23/69	5050		8.6	58.4F	7.1	30	2.7	0.7	2.0	--	0.0	16	--	0.0	--	--	--	--	--	10
1415	5050		85	14.6C	6.8	40	.13	.06	.09			.26								0
							43	20	30			86								
			81 3000.01				COSUMNES RIVER, MIDDLE FORK, AT MOUTH													
09/24/69	5050		9.2	68.1F	7.4	78	7.6	3.4	3.7	--	0.0	42	--	1.1	--	--	--	--	--	33
1740	5050		102	20.0C	7.4	80	.38	.28	.16			.69		.03						0
							48	35	20			88		3						
			81 3150.00				COSUMNES RIVER, MIDDLE FORK, NEAR SOMERSET													
04/02/69	5050	9.29	11.8	45 F	7.4	33	3.2	0.9	1.7	--	0.0	18	--	0.7	--	--	--	--	--	12
1300	5050	846	98	7 C	7.1	30	.16	.08	.07			.30		.02						0
							48	24	21			90		6						
09/23/69	5050	3.39	10.0	70.9F	8.0	52	6.6	1.3	2.8	1.4	0.0	33	2.3	1.0	0.1	--	0.0	--	38	22
1220	5050		114	21.5C	7.1	74	.33	.11	.12	.04		.54	.05	.03					32	0
							55	18	20	7		87	8	5						
			81 3600.00				COSUMNES RIVER, MIDDLE FORK, AT PI PI RES. SITE													
09/23/69	5050		9.1	60.1F	7.3	39	3.1	2.0	2.2	--	0.0	21	--	0.0	--	--	--	--	--	16
1520	5050		94	15.5C	7.0	40	.15	.17	.10			.34								0
							38	43	25			87								

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
			H1 4100.00				COSUMNES RIVER, SOUTH FORK, NEAR RIVER PINES													
/02/69	5050	2.01	11.0	47 F	7.7	64	5.3	3.3	2.7	--	0.0	35	--	1.5	--	--	--	--	--	27
1140	5050	135	94	8 C	7.2	64	.26	.28	.12			.57		.04						0
							40	43	18			89		6						
/22/69	5050		9.1	70.4F	8.1	123	12	5.4	4.4	1.8	0.0	66	5.3	4.5	0.1	--	0.0	--	--	52
1340	5050		104	21.3C	7.4	119	.60	.44	.19	.05		1.08	.11	.13					66	0
							47	34	15	4		82	8	10						
			H1 4150.01				SCOTT CREEK NEAR AUKUM													
/22/69	5050		9.4	67.4F	7.9	106	12	4.8	3.9	--	0.0	60	--	2.5	--	--	--	--	--	50
1425	5050		103	19.6C	7.7	119	.60	.40	.17			.98		.07						1
							56	37	16			92		6						
			H2 5300.00				CALAVERAS RIVER BELOW NEW HOGAN DAM													
/02/68	5050	.81	13.3	54 F	7.9	264	31	12	9.2	2.0	0.0	119	16	13	0.3	--	0.0	--	162	115
1535	5002		124	12 C			1.55	.99	.40	.05		1.95	.33	.37					142	18
							52	33	13	2		74	12	14						
/22/68	5050	1.48	12.5	58 F	8.0	182	21	6.9	4.5	1.9	0.0	90	10	4.5	1.1	--	0.0	--	113	81
1310	5002		123	14 C			1.05	.57	.20	.05		1.48	.21	.13	.02				94	7
							56	30	11	3		80	11	7	1					
/10/69	5050		15.0	50 F	8.3	184	20	8.0	4.4	--	0.0	75	--	3.8	--	--	--	--	--	83
1300	5002	15	133	10 C			1.00	.66	.19			1.23		.11						22
							54	35	10			66		5						
/21/69	5050		15.0	54 F	7.9	161	16	8.2	4.2	--	0.0	74	--	3.3	--	--	--	--	--	74
1330	5002	19	140	12 C			.80	.68	.18			1.21		.09						14
							49	42	11			75		5						
/29/69	5050		14.2	57 F	7.9	205	24	6.8	6.4	--	0.0	100	--	5.3	--	--	--	--	--	88
1200	5002		138	14 C			1.20	.56	.28			1.64		.15						6
							58	27	13			80		7						
/03/69	5050		14.6	58 F	8.1	147	15	6.4	4.2	--	0.0	70	--	3.5	--	--	--	--	--	64
1055	5002	136	144	14 C			.75	.53	.18			1.15		.10						7
							51	34	12			78		6						
/26/69	5050		14.2	60 F	8.3	157	18	6.8	5.1	--	0.0	81	--	3.2	--	--	--	--	--	73
1010	5002		143	16 C			.90	.56	.22			1.33		.09						7
							57	35	14			84		5						
/21/69	5050		15.2	62 F	8.3	170	16	7.5	4.9	--	0.0	74	--	3.3	--	--	--	--	--	71
1425	5002	190	157	17 C			.80	.62	.21			1.21		.09						11
							47	36	12			71		5						
			H2 5320.10				CALAVERAS RIVER ABOVE NEW HOGAN RESERVOIR													
/02/68	5050		13.2	48 F	7.6	197	22	12	4.9	1.9	0.0	101	10	4.1	0.4	--	0.0	--	124	92
1300	5002		114	9 C			1.10	.99	.21	.05		1.66	.21	.12	.01				105	9
							47	42	9	2		83	11	6	1					
/22/68	5050	1.48	12.5	58 F	8.2	266	32	10	8.9	2.0	0.0	137	12	8.6	0.3	--	0.0	--	157	122
1310	5002		123	14 C			1.60	.82	.39	.05		2.25	.25	.24					141	10
							56	29	14	2		82	9	9						
/10/69	5050		16.3	44 F	8.3	230	26	11	6.3	--	0.0	102	--	7.5	--	--	--	--	--	114
1000	5002		133	7 C			1.30	.98	.27			1.67		.21						31
							56	42	11			72		9						
/21/69	5050		13.5	54 F	7.9	155	18	6.8	3.7	--	0.0	71	--	3.5	--	--	--	--	--	73
0920	5002	700	126	12 C			.90	.56	.16			1.16		.10						15
							58	36	10			74		6						
/29/69	5050			--	7.7	149	16	5.6	4.5	--	0.0	70	--	3.4	--	--	--	--	--	63
0900	5002						.80	.46	.20			1.15		.10						6
							53	30	13			77		6						
/28/69	5050		10.4	68 F	8.0	238	28	8.7	6.9	--	0.0	123	--	6.6	--	--	--	--	--	106
0910	5002		115	20 C			1.40	.72	.30			2.02		.19						5
							58	30	12			84		7						
/26/69	5050		10.4	66 F	8.3	240	29	9.1	8.3	--	0.0	129	--	6.1	--	--	--	--	--	110
0900	5002		112	19 C			1.45	.75	.36			2.12		.17						4
							60	31	15			88		7						
/21/69	5050		10.7	80 F	8.2	282	32	11	11	--	0.0	138	--	11	--	--	--	--	--	127
1320	5002		135	27 C			1.60	.94	.48			2.26		.31						14
							56	33	17			80		10						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.M. DEPTH	DO SAT	TEMP		PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	MILLIGRAMS PER LITER TDS SUM	TH NCH
89 D 748.3 126.9 OLD RIVER AT TRACY RD BRIDGE NEAR TRACY																					
10/09/68	5006	4.30	10.6	63	F	--	1000	51	27	112	6.0	0.0	216	90	175	--	--	--	--	564	242
1130	5001	3	111	17	C	8.3	1150	2.54	2.22	4.87	.15		3.54	1.87	4.94					567	65
								26	23	50	2		34	18	48						
11/13/68			2.8	57	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1400	5001	3	27	14	C	7.5	790														
12/11/68			8.0	52	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1140	5001	3	73	11	C	7.4	650														
01/21/69	5006	2.00	9.4	54	F	7.4	419	17	8.4	40	2.5	0.0	82	46	38	--	--	--	16	253	77
1110	5001	3	88	12	C	7.2	350	.85	.69	1.74	.06		1.34	.96	1.07					208	10
								25	21	52	2		40	28	32						
02/14/69		9.12	9.4	50	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1215	5001	3	83	10	C	7.3	215														
03/24/69		18.11	10.4	59	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1130	5001	3	104	15	C	7.6	240														
04/16/69	5006		9.8	64	F	7.4	181	--	--	--	--	--	--	--	--	--	--	--	--	109	51
1415	5001	3	104	18	C	7.5	190														51
05/23/69		8.66	8.5	70	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1310	5001	3	96	21	C	7.2	120														
06/09/69		8.80	8.2	68	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1230	5001	3	91	20	C	7.2	100														
07/22/69	5006	5.30	7.5	81	F	7.3	501	30	13	52	3.0	0.0	112	50	74	--	--	0.3	18	310	128
1415	5001	3	95	27	C	7.4	500	1.50	1.07	2.26	.08		1.84	1.04	2.09					295	36
								31	22	46	2		37	21	42						
08/08/69		2.32	10.8	81	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1300	5001	3	138	27	C	8.5	640														
09/17/69		5.49	7.7	74.3	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1326	5001	3	92	23.5	C	7.7	450														
89 D 752.6 122.9 MIDDLE RIVER AT WILLIAMS BRIDGE NR HOLT																					
10/09/68	5006		7.5	61	F	--	440	27	11	40	3.0	0.0	110	30	58	--	--	--	--	216	118
1040	5001	3	76	16	C	7.6	440	1.38	.98	1.74	.08		1.80	.62	1.64					225	28
								33	23	42	2		44	15	40						
11/13/68			9.3	57	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1315	5001	3		14	C	7.6	760														
12/11/68			9.0	52	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1245	5001	3		11	C	7.5	800														
01/21/69	5006	14.10	9.7	54	F	7.5	419	20	9.9	45	2.5	0.0	75	46	58	--	--	--	14	253	91
1030	5001	3	90	12	C	7.2	380	1.00	.81	1.96	.06		1.23	.96	1.64					232	30
								26	21	51	2		32	25	43						
02/14/69			9.5	50	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1145	5001	3	84	10	C	7.3	225														
03/24/69			10.4	57	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1045	5001	3	101	14	C	7.6	250														
04/16/69			9.5	64	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1340	5001	3	101	18	C	7.4	220														
05/23/69			8.6	70	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1220	5001	3	97	21	C	7.2	110														
06/09/69			8.7	68	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1145	5001	3	96	20	C	7.1	100														
07/22/69	5006		6.4	82	F	7.3	386	24	10	40	2.5	0.0	75	35	60	--	--	0.2	16	240	100
1335	5001	3	83	28	C	7.1	380	1.20	.82	1.74	.06		1.23	.73	1.69					224	39
								31	21	46	2		34	20	46						
08/08/69			14.8	81	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1220	5001	3	189	27	C	8.5	590														
09/17/69			8.6	73	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1245	5001	3	101	23	C	7.7	430														

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. DEPTH	DO SAT	TEMP		PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: F	B	SIO2	TDS SUM	TH NCH
			89 U 753.5 129.3					MIDDLE RIVER AT BORDEN HIGHWAY NEAR TRACY													
10/09/68	5006	1.90	7.9	63	F	--	235	16	16	27	2.3	0.0	111	19	29	--	--	--	--	135	109
1000	5001	3	82	17	C	7.6	290	.82	1.36	1.17	.06		1.82	.40	.82					165	18
								24	40	34	2		60	13	27						
11/13/68		1.45	8.8	59	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1250	5001	3	88	15	C	7.5	400														
12/11/68		1.93	10.1	50	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1100	5001	3	90	10	C	7.4	330														
01/21/69	5006	4.60	10.3	50	F	7.4	471	29	14	49	3.6	0.0	64	80	67	--	--	--	18	326	130
0955	5001	3	91	10	C	7.1	500	1.45	1.15	2.13	.09		1.05	1.66	1.89					292	78
								30	24	44	2		23	36	41						
02/14/69		3.00	9.4	52	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1100	5001	3	86	11	C	7.1	225														
03/24/69		3.20	7.8	57	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1010	5001	3	76	14	C	7.6	250														
04/16/69	5006	.58	9.2	61	F	7.4	181	10	5.0	16	1.8	0.0	56	11	20	--	--	--	15	112	46
1305	5001	3	94	16	C	7.4	230	.50	.41	.70	.05		.92	.23	.56					106	0
								30	25	42	3		54	13	33						
05/23/69		3.20	8.1	68	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1130	5001	3	90	20	C	7.2	115														
06/09/69		1.30	8.3	68	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1100	5001	3	92	20	C	7.2	100														
07/22/69	5006	2.00	6.1	81	F	7.1	237	15	6.2	24	2.1	0.0	56	27	30	--	--	0.5	--	150	63
1250	5001	3	78	27	C	7.0	330	.75	.51	1.04	.05		.92	.56	.85					132	17
								32	22	44	2		39	24	36						
08/08/69		.62	8.4	79	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1130	5001	3	105	26	C	7.5	240														
09/17/69		2.20	8.1	75	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1208	5001	3	97	24	C	7.5	280														
			89 U 756.1 125.8					WHISKEY SLOUGH AT HOLT													
10/09/68	5006		6.2	63	F	--	390	24	11	50	2.6	0.0	107	46	73	--	--	--	--	240	109
0921	5001	3	65	17	C	7.4	450	1.21	.98	2.18	.07		1.75	.96	2.06					260	22
								27	22	49	2		37	20	43						
11/13/68			8.1	59	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1210	5001	2	81	15	C	7.3	810														
12/11/68			8.5	52	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1030	5001	15	77	11	C	7.3	640														
01/21/69	5006		10.7	50	F	7.4	1080	58	27	112	5.0	0.0	74	160	200	--	--	--	17	753	256
0910	5001	3	95	10	C	7.6	1000	2.89	2.22	4.87	.13		1.21	3.33	5.64					591	196
								29	22	48	1		12	33	55						
02/14/69			8.7	50	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1023	5001	3	78	10	C	7.1	1750														
03/24/69			7.9	59	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0935	5001	3	79	15	C	7.6	1000														
04/16/69	5006		10.3	64	F	7.8	1000	64	30	96	3.6	0.0	88	160	190	--	--	--	14	710	283
1145	5001	3	110	18	C	7.9	1050	3.19	2.47	4.18	.09		1.44	3.33	5.36					601	211
								32	25	42	1		14	33	53						
05/23/69			5.2	75	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1053		3	63	24	C	7.1	625														
06/09/69				72	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1020	5001	3		22	C	7.3	560														
07/22/69	5006		5.5	82	F	7.2	342	20	8.7	34	2.4	0.0	62	44	50	--	--	--	12	210	87
1200	5001	3	71	28	C	7.1	340	1.00	.72	1.48	.06		1.02	.92	1.41					201	36
								31	22	45	2		30	27	42						
08/08/69			5.4	82	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1100	5001	3	70	28	C	7.5	450														
09/17/69			6.7	75	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1141	5001	3	81	24	C	7.5	500														

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
89 U 758.7 122.9 SAN JOAQUIN RIVER AT BUCKLEY COVE																				
10/10/68	5006		6.4	68 F	--	690	35	23	90	7.0	0.0	189	48	118	--	--	--	--	459	186
1015	5001	3	71	20 C	7.8	900	1.76	1.96	3.92	.18		3.10	1.00	3.33					415	31
							23	25	50	2		42	13	45						
11/13/68			9.0	58.1F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1110	5001	3	89	14.5C	7.7	630														
01/23/69	5006	2.70	9.2	50 F	7.3	177	14	6.0	10	2.6	0.0	62	20	10	--	--	--	14	124	60
1315	5001	3	82	10 C	7.1	180	.70	.49	.44	.07		1.02	.42	.28					107	9
							41	29	26	4		59	24	16						
02/14/69		3.55	10.1	32 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1235	5001	3	88	9 C	7.5	230														
03/24/69		.50	10.5	61 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1315	5001	3	107	16 C	7.2	260														
04/16/69	5006	.80	9.3	59 F	7.5	181	10	5.2	16	1.8	0.0	56	12	20	--	--	--	14	111	47
1100	5001	3	93	15 C	7.4	200	.50	.43	.70	.05		.92	.25	.56					106	1
							30	26	42	3		53	14	32						
05/22/69			8.5	70 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1215	5001	3		21 C	7.0	120														
06/09/69			8.3	66 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1135	5001	2		19 C	7.0	100														
07/17/69	5006		6.4	82 F	7.4	317	19	8.2	35	2.7	0.0	78	29	45	--	--	0.2	15	190	80
1300	5001	2	83	28 C	7.1	360	.95	.67	1.52	.07		1.28	.60	1.27					192	16
							30	21	47	2		41	19	40						
08/07/69			4.6	81 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1330	5001	2	59	27 C	7.3	550														
09/17/69			3.6	75 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1345	5001	2	43	24 C	7.1	450														
89 U 800.5 134.8 OLD RIVER AT HOLLAND TRACT																				
10/28/68	5006		8.7	64 F	--	390	--	--	--	--	--	--	--	60	--	--	--	--	233	--
1355	5001	3	93	18 C	7.5	360								1.69						
														43						
11/26/68	5006		9.6	52 F	--	250	--	--	--	--	--	--	--	32	--	--	--	21	172	--
1230	5001	3	87	11 C	7.6	300								.90						
														.36						
12/17/68	5006		11.6	32 F	--	250	9.0	12	17	2.0	0.0	83	16	19	--	--	--	20	176	71
1500	5001	3	98	8 C	7.5	240	.45	.99	.74	.05		1.36	.33	.54					136	3
							20	44	33	2		61	15	24						
02/26/69	5006		10.1	50 F	--	292	--	--	--	--	--	--	--	33	--	--	--	14	225	--
1330	5001	3	90	10 C	7.3	320								.93						
														31						
03/27/69	5006		10.2	59 F	7.4	240	16	6.6	24	1.8	0.0	68	32	26	--	--	--	13	187	67
1515	5001	3	102	15 C	7.6	280	.80	.54	1.04	.05		1.12	.67	.73					153	11
							33	22	43	2		44	27	29						
04/25/69	5006		8.4	61 F	--	208	--	--	--	--	--	--	--	--	--	--	--	15	136	--
1430	5001	3	86	16 C	7.4	210														
04/25/69			8.4	63 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1435	5001	16	88	17 C	7.4	230														
06/09/69			7.5	66 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1630	5001	3	81	19 C	7.1	110														
07/23/69			8.9	77 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1500	5001	3	109	25 C	7.7	182														
08/20/69			8.5	77 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1400	5001	3	104	25 C	7.6	186														
09/18/69	5006		8.2	75 F	--	210	--	--	--	--	--	--	--	18	--	--	--	7.0	132	--
1550	5001	3	98	24 C	7.8	220								.51						
														24						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.M. DEPTH	DO SAT	TEMP		PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
			89 U 800.7 138.4					DUTCH SLOUGH AT BETHEL ISLAND BRIDGE													
10/28/68	5006		8.9	64	F	--	550	--	--	--	--	--	--	--	100	--	--	--	--	307	--
1255	5001	3	95	18	C	7.7	550								2.82						
															51						
11/26/68	5006		10.7	52	F	--	350	--	--	--	--	--	--	--	25	--	--	--	20	220	--
1155	5001	3	97	11	C	7.7	400								.71						
															20						
12/17/68	5006		11.7	32	F	--	300	10	12	24	2.0	0.0	86	18	30	--	--	--	28	168	76
1420	5001	3	99	8	C	7.8	280	.50	.99	1.04	.05		1.41	.37	.85					166	6
								19	38	40	2		54	14	32						
02/26/69	5006		9.9	52	F	--	317	--	--	--	--	--	--	--	37	--	--	--	15	203	--
1230	5001	3	90	11	C	7.3	330								1.04						
															32						
03/28/69	5006		9.5	64	F	7.5	284	18	8.0	30	1.9	0.0	72	36	33	--	--	0.2	14	218	78
1530	5001	3	101	18	C	7.4	300	.90	.66	1.31	.05		1.18	.75	.93					176	19
								31	23	45	2		41	26	33						
04/25/69	5006		8.5	61	F	--	217	--	--	--	--	--	--	--	--	--	--	--	15	143	--
1345	5001	3	87	16	C	7.3	240														
04/25/69			8.7	59	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1350	5001	15	87	15	C	7.3	240														
06/09/69		2.75	7.5	68	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1515	5001	3	83	20	C	7.1	130														
07/23/69		2.60	8.7	73	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1410	5001	3	102	23	C	7.7	185														
08/20/69			7.9	75	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1325	5001	3	95	24	C	7.7	236														
09/18/69	5006	1.60	8.8	70	F	--	205	--	--	--	--	--	--	--	16	--	--	--	7.0	129	--
1445	5001	3	100	21	C	7.8	210								.45						
															21						
			89 U 800.8 140.1					DUTCH SLOUGH BELOW JERSEY ISLAND BRIDGE													
07/09/69	5050				--	7.8	168	11	4.7	14	1.3	0.0	47	16	18	1.4	--	0.1	--	90	47
0915	5050							.55	.39	.61	.03		.77	.30	.51	.02				75	9
								35	25	39	2		47	20	31	2					
			89 U 800.8 143.9					BIG BREAK AT BIG BREAK RESORT													
10/28/68	5006		6.8	66	F	--	950	--	--	--	--	--	--	--	210	--	--	--	--	523	--
1200	5001	3	74	19	C	7.7	800								5.92						
															62						
12/17/68	5006		11.3	32	F	--	270	6.0	11	35	3.0	0.0	81	15	52	--	--	--	20	267	61
1335	5001	3	98	9	C	7.7	260	.30	.90	1.52	.08		1.33	.31	1.47					182	0
								11	32	54	3		43	10	47						
			89 U 801.1 142.6					BIG BREAK NR OAKLEY													
11/26/68	5006		10.4	54	F	--	300	--	--	--	--	--	--	--	41	--	--	--	22	239	--
1105	5001	3	97	12	C	7.7	320								1.16						
															38						
02/25/69	5006		10.5	50	F	--	408	--	--	--	--	--	--	--	47	--	--	--	14	260	--
1035	5001	3	93	10	C	8.2	400								1.33						
															32						
03/28/69	5006		9.3	59	F	7.6	277	18	8.2	27	2.0	0.0	76	34	33	--	--	--	15	215	79
1350	5001	3	93	15	C	7.4	290	.90	.67	1.17	.05		1.25	.71	.93					174	17
								32	24	42	2		43	25	32						
05/07/69	5006		9.4	64	F	7.9	161	--	--	--	--	--	--	--	14	--	--	--	17	107	--
1000	5001	3	100	18	C	7.5	160								.39						
															24						
06/11/69	5006		8.8	68	F	--	112	--	--	--	--	--	--	--	--	--	--	--	14	95	--
1735	5001	3	98	20	C	7.5	120														
07/23/69	5006		9.9	75	F	--	160	--	--	--	--	--	--	--	15	--	--	--	11	91	--
1425	5001	3	119	24	C	8.5	180								.42						
															26						
08/20/69	5006		9.0	73	F	--	206	--	--	--	--	--	--	--	22	--	--	--	12	130	--
1340	5001	3	106	23	C	7.9	225								.62						
															30						
09/18/69	5006		9.9	70	F	6.7	180	13	7.2	14	1.7	0.0	77	11	12	--	--	.55	9.0	121	62
1225	5001	3	112	21	C	8.2	200	.65	.59	.61	.04		1.26	.23	.34					106	0
								34	31	32	2		69	13	19						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.M. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
89 U 801.1 148.1 SAN JOAQUIN RIVER AT ANTIOCH																				
10/01/68	5050	.05	8.1	67 F	8.2	1410	32	32	210	--	0.0	105	--	371	--	--	--	--	--	214
0800	5050		89	19 C	7.8	1175	1.60	2.68	9.14			1.72		10.46						128
							11	19	64			12		74						
11/14/68	5050	1.85	8.6	58 F	8.1	1310	20	43	191	10	0.0	80	52	342	2.7	--	0.1	--	713	183
1020	5050		85	14 C	7.7	1400	1.00	3.53	8.31	.26		1.31	1.08	9.64	.04				700	118
							8	27	63	2		11	9	80						
12/09/68	5050		8.7	53 F	7.9	1120	20	32	165	11	0.0	71	48	286	2.4	--	0.1	--	625	149
1350	5050		80	12 C	7.3	1100	1.00	2.63	7.18	.28		1.16	1.00	8.07	.04				599	91
							9	24	65	3		11	10	79						
02/05/69	5050	2.84	9.9	48 F	7.6	208	12	7.8	16	2.5	0.0	52	22	20	4.1	--	0.1	--	107	62
1345	5050		85	9 C	7.2	250	.60	.64	.70	.06		.85	.46	.56	.07				110	20
							30	32	35	3		44	24	29	4					
04/07/69	5050	.13	9.5	63 F	7.8	262	13	7.4	25	1.4	0.0	60	28	31	1.5	--	0.1	--	172	63
1425	5050		99	17 C	7.5	265	.65	.61	1.09	.04		.98	.58	.87	.02				137	14
							27	26	46	2		40	24	36	1					
06/03/69	5050		9.3	67 F	7.8	136	8.8	3.9	12	1.2	0.0	35	10	15	0.8	--	0.0	--	90	38
1230	5050		102	19 C	7.3	155	.44	.32	.52	.03		.57	.21	.42	.01				69	10
							34	24	40	2		47	17	35	1					
08/12/69			7.2	76 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1145	5050			24 C	8.9	525														
89 U 801.1 148.8 SAN JOAQUIN RIVER BY ANTIOCH																				
10/14/68	5050		8.0	64 F	--	5100	--	--	--	--	--	--	--	1390	--	--	--	--	2880	--
1400	5050			18 C	7.3									39.20						
														76						
89 U 801.2 148.5 SAN JOAQUIN R AT ANTIOCH SHIP CHANNEL																				
10/28/68	5006		8.0	63 F	--	4800	--	--	--	--	--	--	--	1300	--	--	--	--	2751	--
1135	5001	3	85	17 C	7.7	5000								36.66						
														76						
11/26/68	5006		9.2	52.1F	--	1450	--	--	--	--	--	--	--	340	--	--	--	20	789	--
1035	5001	3	84	11.2C	7.5	1550								9.59						
														66						
12/17/68	5006		10.6	32 F	--	580	14	21	50	9.0	0.0	83	25	120	--	--	--	20	327	123
1410	5001	3	90	8 C	7.6	600	.70	1.73	2.18	.23		1.36	.52	3.38					300	55
							14	36	45	5		26	10	64						
01/29/69	5006		10.2	50 F	--	185	--	--	--	--	--	--	--	12	--	--	--	14	127	--
1300	5001	3	91	10 C	7.1	200								.34						
														18						
02/27/69	5006		10.7	50 F	--	--	--	--	--	--	--	--	--	21	--	--	--	14	137	--
1215	5001	3	95	10 C	7.5	230								.59						
03/28/69	5006		10.6	59 F	7.4	240	16	7.8	21	1.8	0.0	52	35	27	--	--	--	15	195	72
1240	5001	3	106	15 C	7.4	260	.80	.64	.91	.05		.85	.73	.76					149	30
							33	27	38	2		36	31	32						
05/07/69	5006		9.5	63 F	8.0	141	--	--	--	--	--	--	--	12	--	--	--	16	94	--
0915	5001	3	99	17 C	7.4	160								.34						
														24						
06/11/69	5006		8.7	68 F	--	104	--	--	--	--	--	--	--	--	--	--	--	12	76	--
1650	5001	3	96	20 C	7.9	120														
07/23/69	5006		8.6	75 F	--	290	--	--	--	--	--	--	--	45	--	--	--	12	160	--
1345	5001	3	103	24 C	7.9	280								1.27						
														43						
08/19/69	5006		7.9	72 F	--	584	--	--	--	--	--	--	--	140	--	--	--	10	370	--
1025	5001	3	91	22 C	7.6	600								3.95						
														67						
09/17/69	5006		8.6	68 F	7.4	205	13	7.8	20	2.0	0.0	81	12	20	--	--	.65	12	133	65
1010	5001	3	95	20 C	7.8	240	.65	.64	.87	.05		1.33	.25	.56					127	0
							29	29	39	2		62	12	26						
89 U 801.6 145.2 SAN JOAQUIN R AT ANTIOCH BR (LT 12)																				
10/28/68	5006		7.3	63 F	--	2350	--	--	--	--	--	--	--	600	--	--	--	--	1318	--
1150	5001		77	17 C	7.8	2400								16.92						
														72						
11/26/68	5006		10.0	52.7F	--	800	--	--	--	--	--	--	--	186	--	--	--	20	481	--
1050	5001	3	92	11.5C	8.9	890								5.25						
														65						
12/17/68	5006		10.5	32 F	--	460	10	16	42	6.0	0.0	81	20	84	--	--	--	24	253	85
1425	5001	3	89	8 C	7.5	450	.50	1.32	1.83	.15		1.33	.42	2.37					242	19
							13	35	48	4		32	10	58						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

ATE IME	LAB SAMPLER	G.H. DEPTH	DO SAT	TEMP		PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	MILLIGRAMS PER LITER TDS SUM	TH NCH
			B9 D 801.6 145.2					SAN JOAQUIN R AT ANTIOCH BR (LT 12)								CONTINUED					
/29/69	5006		10.5	52	F	--	198	--	--	--	--	--	--	--	15	--	--	--	12	126	--
1340	5001	3	95	11	C	7.2	200								.42						
															21						
/10/69			6.0	52	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1350	5001	3	55	11	C	6.7	180														
/27/69	5006		10.2	50	F	--	200	--	--	--	--	--	--	--	20	--	--	--	14	155	--
1245	5001	3	91	10	C	7.5	220								.56						
															28						
/28/69	5006		10.6	61	F	7.6	243	16	7.2	22	1.8	0.0	72	25	27	--	--	--	15	204	70
1315	5001	3	108	16	C	7.3	260	.80	.59	.96	.05		1.18	.52	.76					149	11
								33	25	40	2		48	21	31						
/07/69	5006		9.3	64	F	7.9	156	--	--	--	--	--	--	--	14	--	--	--	16	105	--
0940	5001	3	99	18	C	7.5	170								.39						
															25						
/11/69	5006		8.7	68	F	--	107	--	--	--	--	--	--	--	--	--	--	--	14	104	--
1715	5001	3	96	20	C	7.5	120														
/23/69	5006		8.7	75	F	--	240	--	--	--	--	--	--	--	38	--	--	--	11	130	--
.405	5001	3	104	24	C	7.9	260								1.07						
															44						
/20/69	5006		8.0	73	F	--	305	--	--	--	--	--	--	--	50	--	--	--	11	184	--
.320	5001	3	94	23	C	7.8	350								1.41						
															46						
/18/69	5006		8.6	70	F	6.7	200	13	5.7	19	2.0	0.0	77	11	18	--	--	0.5	10	131	56
.205	5001	3	97	21	C	7.7	240	.65	.47	.83	.05		1.26	.23	.51					117	0
								33	24	42	3		63	12	26						
			B9 D 801.7 143.4					SAN JOAQUIN RIVER AT DUTCH SLOUGH													
/08/69	5050				--	7.5	161	11	5.0	13	1.2	0.0	49	14	16	1.2	--	0.1	--	80	48
045	5050							.55	.41	.57	.03		.80	.29	.45	.02				86	8
								35	26	37	2		51	19	29	1					
			B9 D 801.9 143.2					SAN JOAQUIN RIVER AT BLIND POINT													
01/68	5050				--	--	583	--	--	--	--	--	--	--	95	--	--	--	--	--	--
200	5050														2.68						
															45						
07/68	5050				--	--	661	--	--	--	--	--	--	--	120	--	--	--	--	--	--
	5050														3.38						
															51						
21/68	5050				--	--	757	--	--	--	--	--	--	--	164	--	--	--	--	--	--
	5050														4.62						
															61						
01/68	5050				--	--	637	--	--	--	--	--	--	--	132	--	--	--	--	--	--
	5050														3.72						
															58						
15/68	5050				--	--	1100	--	--	--	--	--	--	--	265	--	--	--	--	--	--
	5050														7.47						
															67						
27/68	5050				--	--	496	--	--	--	--	--	--	--	88	--	--	--	--	--	--
	5050														2.48						
															50						
09/68	5050				--	--	385	--	--	--	--	--	--	--	44	--	--	--	--	--	--
	5050														1.24						
															32						
30/68	5050				--	--	229	--	--	--	--	--	--	--	17	--	--	--	--	--	--
	5050														.48						
															20						
16/69	5050				--	--	230	--	--	--	--	--	--	--	21	--	--	--	--	--	--
	5050														.59						
															25						
03/69	5050				--	--	211	--	--	--	--	--	--	--	19	--	--	--	--	--	--
	5050														.54						
															25						
18/69	5050				--	--	248	--	--	--	--	--	--	--	26	--	--	--	--	--	--
	5050														.73						
															29						
06/69	5050				--	--	255	--	--	--	--	--	--	--	25	--	--	--	--	--	--
320	5050														.71						
															27						
21/69	5050			55	F	--	269	--	--	--	--	--	--	--	26	--	--	--	--	--	--
400	5050			13	C										.73						
															27						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
			H9 U 801.9 143.2				SAN JOAQUIN RIVER AT BLIND POINT									CONTINUED				
05/16/69	5050			--	--	177	--	--	--	--	--	--	--	18	--	--	--	--	--	--
	5050													.51						
														28						
06/02/69	5050			--	--	124	--	--	--	--	--	--	--	11	--	--	--	--	--	--
	5050													.31						
														25						
06/23/69	5050			--	--	142	--	--	--	--	--	--	--	11	--	--	--	--	--	--
1015	5050													.31						
														21						
07/02/69	5050			--	--	146	--	--	--	--	--	--	--	12	--	--	--	--	--	--
1130	5050													.34						
														23						
07/08/69	5050			--	--	172	--	--	--	--	--	--	--	15	--	--	--	--	--	--
1500	5050													.42						
														24						
07/16/69	5050			--	--	180	--	--	--	--	--	--	--	15	--	--	--	--	--	--
1150	5050													.42						
														23						
07/31/69	5050			--	--	227	--	--	--	--	--	--	--	24	--	--	--	--	--	--
1410	5050													.68						
														29						
08/19/69	5050			--	--	259	--	--	--	--	--	--	--	32	--	--	--	--	--	--
0910	5050													.90						
														34						
09/02/69	5050			--	--	196	--	--	--	--	--	--	--	17	--	--	--	--	--	--
1145	5050													.48						
														24						
09/16/69	5050			--	--	198	--	--	--	--	--	--	--	17	--	--	--	--	--	--
0830	5050													.48						
														24						
			H9 U 801.9 151.4				NEW YORK SLOUGH NR PITTSBURG POINT													
10/28/68	5006		8.0	63 F	--	6500	--	--	--	--	--	--	--	2000	--	--	--	--	4203	--
1120	5001	3	85	17 C	7.8	7000								56.40						
														86						
11/26/68	5006		9.0	52.1F	--	2650	--	--	--	--	--	--	--	740	--	--	--	18	1452	--
1020	5001	3	83	11.2C	7.5	2900								20.87						
														78						
12/17/68	5006		10.5	32 F	--	1500	7.0	36	210	3.0	0.0	84	64	360	--	--	--	20	778	166
1345	5001	3	91	9 C	7.6	1500	.35	2.96	9.14	.08		1.38	1.33	10.15					741	97
							3	24	73	1		11	10	79						
01/28/69	5006		10.4	50 F	--	269	--	--	--	--	--	--	--	25	--	--	--	14	173	--
1330	5001	3	92	10 C	7.1									.71						
														26						
02/26/69	5006		10.9	56 F	--	245	--	--	--	--	--	--	--	29	--	--	--	15	160	--
1215	5001	3	97	10 C	7.3	265								.82						
														33						
03/27/69	5006		9.7	59 F	7.4	240	16	8.0	21	1.7	0.0	76	18	28	--	--	--	15	187	73
1315	5001	3	97	15 C	7.4	260	.80	.66	.91	.04		1.25	.37	.79					145	11
							33	27	38	2		52	15	33						
05/07/69	5006		9.4	63 F	8.2	145	--	--	--	--	--	--	--	13	--	--	--	16	93	--
0855	5001	3	98	17 C	7.5	160								.37						
														25						
06/11/69			8.7	66 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1630	5001	3	95	19 C	7.1	140														
07/23/69			8.6	73 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1320	5001	3	101	23 C	7.8	550														
08/19/69			9.4	70 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1005	5001	3	95	21 C	7.7	1100														
09/17/69	5006		8.5	66 F	--	225	--	--	--	--	--	--	--	26	--	--	--	13	142	--
0950	5001	3	92	19 C	7.7	300								.73						
														32						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.M. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
			89 D 802.6 136.8				FRANKS TRACT NEAR RUSSOS LANDING													
0/28/68	5006		8.8	61 F	--	440	--	--	--	--	--	--	--	75	--	--	--	--	255	--
1325	5001	3	90	16 C	7.8	450								2.12						
														48						
1/26/68	5006		10.4	50.9F	--	250	--	--	--	--	--	--	--	28	--	--	--	21	170	--
1215	5001	3	93	10.5C		270								.79						
														31						
2/17/68	5006		11.5	32 F	--	230	11	9.0	17	2.0	0.0	86	13	15	--	--	0.8	24	144	66
1610	5001	3	92	6 C	7.6	210	.55	.74	.74	.05		1.41	.27	.42					134	0
							26	36	36	2		67	13	20						
1/27/69	5006		9.6	50 F	--	371	--	--	--	--	--	--	--	38	--	--	--	15	135	--
1420	5001	3	85	10 C	7.3	375								1.07						
														28						
2/25/69	5006		11.0	50 F	--	258	--	--	--	--	--	--	--	29	--	--	--	16	171	--
1325	5001	3	98	10 C	7.7	280								.82						
														31						
3/27/69	5006		9.5	59 F	7.4	263	17	7.2	26	1.9	0.0	68	32	30	--	--	0.2	18	203	72
1300	5001	3	95	15 C	7.7	265	.85	.59	1.13	.05		1.12	.67	.85					166	16
							32	23	43	2		42	25	32						
5/07/69	5006		9.2	66 F	8.0	167	--	--	--	--	--	--	--	16	--	--	--	18	136	--
1200	5001	3	100	19 C	7.5	180								.45						
														26						
6/11/69	5006		8.7	66 F	--	102	--	--	--	--	--	--	--	--	--	--	--	12	88	--
1935	5001	3	95	19 C	7.4	110														
7/23/69	5006		9.1	77 F	--	177	--	--	--	--	--	--	--	8.0	--	--	--	12	110	--
1645	5001	3	111	25 C	8.2	190								.23						
														12						
8/20/69	5006		9.0	73 F	--	165	--	--	--	--	--	--	--	12	--	--	--	11	85	--
1550	5001	3	106	23 C	7.8	180								.34						
														20						
9/18/69	5006		9.4	70 F	7.7	180	13	7.8	16	1.9	0.0	81	11	13	--	--	0.5	9.0	115	63
1455	5001	3	106	21 C	8.2	210	.65	.64	.70	.05		1.33	.23	.37					112	0
							32	31	34	2		69	12	19						
			89 D 802.6 139.9				TAYLOR SLOUGH NEAR PIPER SLOUGH													
7/08/69	5050			--	7.8	233	12	6.3	24	1.3	0.0	51	24	32	1.3	--	0.2	--	108	56
1240	5050						.60	.52	1.04	.03		.84	.50	.90	.02				126	14
							27	24	47	1		37	22	40	1					
			89 D 802.6 141.5				SAN JOAQUIN RIVER AT JERSEY ISLAND													
7/10/69	5050			--	7.7	162	11	5.2	13	1.2	0.0	51	15	16	1.6	--	0.1	--	90	49
1030	5050						.55	.43	.57	.03		.84	.31	.45	.03				88	7
							35	27	36	2		52	19	28	2					
			89 D 802.6 147.6				SHERMAN LAKE NEAR ANTIOCH													
1/26/68	5006		10.8	54 F	--	800	--	--	--	--	--	--	--	168	--	--	--	21	418	--
1040	5001	3	101	12 C	7.7	800								4.74						
														59						
2/26/69	5006		11.0	50 F	--	193	--	--	--	--	--	--	--	17	--	--	--	15	129	--
1300	5001	3	95	10 C	7.4	210								.48						
														24						
4/25/69	5006		10.0	57 F	--	143	--	--	--	--	--	--	--	--	--	--	--	15	96	--
1145	5001	3	98	14 C	7.5	160														
4/25/69			9.9	57 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1146	5001	6	97	14 C	7.5	160														
6/09/69	5006		8.3	66 F	--	125	--	--	--	--	--	--	--	--	--	--	--	16	102	--
1400	5001	3	90	19 C	7.5	130														
7/23/69	5006		8.7	72 F	--	278	--	--	--	--	--	--	--	45	--	--	--	13	151	--
1300	5001	3	100	22 C	7.9	275								1.27						
														45						
8/19/69	5006		8.6	70 F	--	219	--	--	--	--	--	--	--	23	--	--	--	10	133	--
1055	5001	3	97	21 C	7.5									.65						
														29						
9/17/69	5006		9.4	68 F	6.9	195	12	7.6	17	1.6	0.0	78	11	15	--	--	0.5	13	125	62
1040	5001	3	104	20 C	7.8	220	.60	.62	.74	.04		1.28	.23	.42					116	0
							30	31	37	2		66	12	22						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.M. DEPTH	DO SAT	TEMP		PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
			89 D 802.7 123.3					DISAPPOINTMENT SLOUGH NEAR LODI													
10/10/68	5006		10.0	64	F	--	240	15	6.6	29	6.5	0.0	142	11	14	--	--	--	--	200	66
1250	5001	3	106	18	C	8.0	320	.77	.54	1.26	.17		2.33	.23	.39					152	0
								28	20	46	6		79	8	13						
11/13/68			11.2	57	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1055	5001	3	109	14	C	8.[illegible]	340														
12/11/68			9.5	32	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1000	5001	3	80	8	C	7.5	410														
01/23/69	5006		8.4	52	F	7.1	145	11	5.1	8.0	6.5	0.0	52	22	5.0	--	--	--	20	139	49
1145	5001	3	76	11	C	7.0	150	.55	.42	.35	.17		.85	.46	.14					103	7
								37	28	23	11		59	32	10						
02/14/69			8.6	31.9F		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1130	5001	2	74	8.5C		7.3	180														
03/24/69			10.0	61	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1120	5001	1	102	16	C	7.2	270														
04/15/69	5006		14.2	63	F	7.6	226	18	7.5	16	4.2	0.0	94	15	20	--	--	0.3	7.0	115	76
1320	5001	1	148	17	C	8.2	240	.90	.62	.70	.11		1.54	.31	.56					134	0
								39	27	30	5		64	13	23						
05/22/69			7.2	73	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1115	5001	1	85	23	C	7.1	190														
06/09/69			7.8	68	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1025	5001	1	87	20	C	7.3	140														
07/17/69	5006		6.2	81	F	7.3	220	16	7.0	18	2.7	0.0	80	15	20	--	--	0.4	13	134	70
1055	5001	1	79	27	C	7.1	240	.80	.58	.78	.07		1.31	.31	.56					131	5
								36	26	35	3		60	14	26						
08/07/69			7.1	79	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1155	5001	3	89	26	C	7.5	240														
09/17/69			0.9	70	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1135	5001	3	10	21	C	7.1	280														
			89 D 803.1 141.3					SAN JOAQUIN R AT JERSEY POINT													
10/28/68	5006		6.6	63	F	--	1200	--	--	--	--	--	--	--	270	--	--	--	--	900	--
1210	5001	3	69	17	C	7.8	1200								7.61						
															63						
11/26/68	5006		10.0	51.4F		--	350	--	--	--	--	--	--	--	58	--	--	--	21	218	--
1110	5001	3	91	10.8C		8.0	400								1.64						
															46						
12/17/68	5006		10.9	32	F	--	280	10	13	34	2.0	0.0	83	54	32	--	--	--	28	174	80
1500	5001	3	92	8	C	7.6	270	.50	1.07	1.48	.05		1.36	1.12	.90					214	12
								16	35	48	2		40	33	27						
01/27/69	5006		10.2	50	F	--	208	--	--	--	--	--	--	--	15	--	--	--	15	139	--
1145	5001	3	91	10	C	7.2	200								.42						
															20						
02/25/69	5006		10.8	50	F	--	216	--	--	--	--	--	--	--	22	--	--	--	15	142	--
1110	5001	3	96	10	C	7.8	250								.62						
															28						
03/26/69	5006		9.8	57	F	7.4	240	16	7.2	21	1.9	0.0	68	27	26	--	--	--	15	188	70
1100	5001	3	96	14	C	7.4	260	.80	.59	.91	.05		1.12	.56	.73					147	14
								34	25	39	2		46	23	30						
05/07/69	5006		9.6	64	F	8.0	154	--	--	--	--	--	--	--	12	--	--	--	16	90	--
1025	5001	3	102	18	C	7.5	180								.34						
															22						
06/11/69	5006		8.6	66	F	--	100	--	--	--	--	--	--	--	--	--	--	--	14	83	--
1800	5001	3	93	19	C	7.4	120														
07/23/69	5006		9.3	75	F	--	174	--	--	--	--	--	--	--	15	--	--	--	13	100	--
1500	5001	3	112	24	C	8.2	170								.42						
															24						
08/20/69	5006		8.6	73	F	--	181	--	--	--	--	--	--	--	15	--	--	--	12	111	--
1410	5001	3	101	23	C	7.8	205								.42						
															23						
09/18/69	5006		9.4	70	F	6.9	180	13	7.2	13	1.6	0.0	76	11	11	--	--	0.3	10	120	62
1300	5001	3	106	21	C	8.0	210	.65	.59	.57	.04		1.25	.23	.31					104	0
								35	32	31	2		70	13	17						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.M. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TOS SUM	TH NCH
			89 D 803.7 136.1				FALSE RIVER AT WEBB PUMP													
10/28/68	5006		8.4	61 F	--	425	--	--	--	--	--	--	--	70	--	--	--	--	229	--
1310	5001	3	86	16 C	7.7	340								1.97						
														46						
11/26/68	5006		10.0	50.9F	--	250	--	--	--	--	--	--	--	23	--	--	--	20	161	--
1205	5001	3	90	10.5C	7.9	250								.65						
														26						
12/17/68	5006		11.0	32 F	--	200	7.0	11	14	2.0	0.0	76	11	12	--	--	--	26	123	61
1600	5001	3	91	7 C	7.5	200	.35	.90	.61	.05		1.25	.23	.34					120	0
							18	47	32	3		69	13	19						
01/27/69	5006		9.6	50 F	--	317	--	--	--	--	--	--	--	30	--	--	--	15	201	--
1345	5001	3		10 C	7.2	300								.85						
														26						
02/25/69	5006		10.6	52 F	--	267	--	--	--	--	--	--	--	29	--	--	--	15	168	--
1305	5001	3		11 C	7.5	280								.82						
														30						
03/26/69	5006		9.7	61 F	7.2	270	18	7.3	26	1.9	0.0	68	34	32	--	--	0.2	14	197	75
1320	5001	3		16 C	7.4	280	.90	.60	1.13	.05		1.12	.71	.90					167	19
							34	22	42	2		41	26	33						
05/07/69	5006		9.2	64 F	8.0	161	--	--	--	--	--	--	--	16	--	--	--	17	117	--
1145	5001	3		18 C	7.5	180								.45						
														27						
06/11/69			8.2	66 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1915	5001	3		19 C	7.2	110														
07/23/69			8.8	77 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1625	5001	3		25 C	7.8	190														
08/20/69			9.0	73 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1530	5001	3		23 C	7.8	180														
09/18/69	5006		9.2	70 F	--	185	--	--	--	--	--	--	--	12	--	--	--	11	119	--
1430	5001	3		21 C	7.9	210								.34						
														18						
			89 D 804.4 134.2				OLD RIVER AT MOUTH													
10/28/68	5006		8.4	61 F	--	--	--	--	--	--	--	--	--	25	--	--	--	--	147	--
1255	5001	3	86	16 C	7.6	250								.71						
11/26/68	5006		9.8	50.9F	--	200	--	--	--	--	--	--	--	10	--	--	--	21	146	--
1150	5001	3	88	10.5C		210								.28						
														14						
12/17/68	5006		10.6	32 F	--	190	11	7.0	14	2.0	0.0	79	10	10	--	--	--	22	128	57
1545	5001	3	87	7 C	7.5	170	.55	.58	.61	.05		1.30	.21	.28					115	0
							31	32	34	3		73	12	16						
01/27/69	5006		10.1	50 F	--	205	--	--	--	--	--	--	--	17	--	--	--	12	142	--
1330	5001	3	90	10 C	7.3	220								.48						
														23						
02/25/69	5006		10.3	50 F	--	230	--	--	--	--	--	--	--	24	--	--	--	14	142	--
1245	5001	3	91	10 C	7.7	240								.68						
														29						
03/26/69	5006		9.7	59 F	7.3	240	16	7.1	23	1.8	0.0	68	28	26	--	--	--	14	187	69
1255	5001	3	97	15 C	7.4	250	.80	.58	1.00	.05		1.12	.58	.73					149	13
							33	24	41	2		46	24	30						
05/07/69	5006		9.4	64 F	8.0	132	--	--	--	--	--	--	--	12	--	--	--	13	105	--
1125	5001	3	100	18 C	7.4	150								.34						
														25						
06/11/69	5006		8.2	66 F	--	101	--	--	--	--	--	--	--	--	--	--	--	12	86	--
1900	5001	3	89	19 C	7.4	110														
07/23/69	5006		8.1	77 F	--	172	--	--	--	--	--	--	--	12	--	--	--	15	90	--
1600	5001	3	99	25 C	7.8	190								.34						
														19						
08/20/69	5006		9.8	75 F	--	146	--	--	--	--	--	--	--	14	--	--	--	7.0	101	--
1510	5001	3	118	24 C	8.0	150								.39						
														26						
09/18/69	5006		8.7	70 F	7.5	180	14	7.5	14	1.9	0.0	82	10	13	--	--	0.3	15	114	66
1405	5001	3	98	21 C	7.7	220	.70	.62	.61	.05		1.34	.21	.37					116	0
							35	31	31	3		70	11	19						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TOS SUM	TH NCH
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE											MILLIGRAMS PER LITER		
89 D 805.1 144.3 SACRAMENTO RIVER AT EMMATON																				
10/30/68	5006		9.1	63 F	--	1300	--	--	--	--	--	--	--	340	--	--	--	17	777	--
1345	5001	3	95	17 C	8.5	1250								9.59						
														73						
11/25/68	5006		9.9	52 F	--	350	--	--	--	--	--	--	--	58	--	--	--	22	202	--
1100	5001	3	90	11 C	7.2	380								1.64						
														46						
12/18/68	5006		2.5	64 F	--	210	11	8.0	17	2.0	0.0	70	12	15	--	--	--	22	133	61
1435	5001	3		7 C	7.4	192	.55	.66	.74	.05		1.15	.25	.42					121	4
							28	33	37	3		63	14	23						
01/28/69	5006		11.4	63.9F	--	92	--	--	--	--	--	--	--	10	--	--	--	11	71	--
1200	5001	3		7.0C	7.3	125								.28						
														30						
02/25/69	5006		11.5	32 F	--	135	--	--	--	--	--	--	--	5.0	--	--	--	15	93	--
1145	5001	3	97	8 C	7.4	140								.14						
														10						
03/26/69	5006		10.5	59 F	7.3	218	16	7.7	17	1.8	0.0	68	28	21	--	--	--	15	189	72
1100	5001	3		15 C	7.8	230	.80	.63	.74	.05		1.12	.58	.59					140	16
							36	28	33	2		49	25	26						
05/08/69	5006		10.0	63 F	8.1	133	--	--	--	--	--	--	--	8.0	--	--	--	26	65	--
0935	5001	3		17 C	7.6	140								.23						
														17						
06/10/69			9.2	66 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1600	5001	3		19 C	7.7	130														
07/22/69			8.8	73 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1240	5001	3		23 C	7.6	210														
08/19/69			8.7	72 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1140	5001	3		22 C	7.7	190														
09/17/69	5006		9.4	68 F	--	170	--	--	--	--	--	--	--	10	--	--	--	15	115	--
1110	5001	3		20 C	7.8	200								.28						
														16						
89 D 805.2 124.1 WHITE SLOUGH AT RIO BLANCO TRACT NEAR LODI																				
10/10/68	5006		0.4	66 F	--	625	29	21	75	16	0.0	291	35	61	--	--	--	--	415	164
1330	5001	3	4	19 C	7.3	650	1.45	1.73	3.26	.41		4.77	.73	1.72					380	0
							21	25	48	6		66	10	24						
11/13/68			0.3	57 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1125	5001	3	3	14 C	7.1	550														
02/10/69	5006		6.0	52 F	7.6	745	43	25	60	13	0.0	284	39	78	--	--	--	32	465	211
0930	5001	3	55	11 C	7.5	750	2.15	2.06	2.61	.33		4.66	.81	2.20					429	0
							30	29	37	5		61	11	29						
03/24/69			7.7	61 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1040	5001	3	79	16 C	7.2	700														
04/15/69	5006		14.3	63 F	7.9	684	39	22	76	8.8	0.0	234	36	87	--	--	0.5	24	483	188
1230	5001	3	149	17 C	8.0	700	1.95	1.81	3.31	.23		3.84	.75	2.45					408	0
							27	25	45	3		55	11	35						
05/22/69			9.1	72 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1030	5001	3	105	22 C	7.8	460														
06/09/69			3.2	66 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0940	5001	3	35	19 C	7.2	550														
07/17/69	5006		4.4	81 F	7.7	386	28	14	35	3.8	0.0	151	18	48	--	--	0.5	21	240	128
1010	5001	3	56	27 C	7.3	450	1.40	1.15	1.52	.10		2.48	.37	1.35					242	4
							34	28	36	2		59	9	32						
08/07/69			3.3	77 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1105	5001	3	40	25 C	7.1	490														
09/17/69			2.0	68 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1050	5001	3	22	20 C	7.0	370														

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: F	B	SIO2	TDS SUM	TH NCH
			89 D 805.2 126.0				WHITE SLOUGH. NEAR LODI													
10/10/68	5006		8.2	68 F	--	220	15	9.2	19	2.1	0.0	110	14	17	--	--	--	--	152	76
1400	5001	3	91	20 C	7.5	300	.77	.76	.83	.05		1.80	.29	.48					131	0
							32	32	34	2		70	11	19						
11/13/68			8.4	57 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1240	5001	3	82	14 C	7.4	240														
12/11/68			9.8	32 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1040	5001	3	83	8 C	7.4	280														
01/23/69	5006		8.7	50 F	7.5	404	23	14	30	5.5	0.0	91	42	50	--	--	--	16	255	115
1040	5001	3	77	10 C	7.4	400	1.15	1.15	1.31	.14		1.49	.87	1.41					225	41 X
							31	31	35	4		40	23	37						
02/14/69			8.4	31.9F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1015	5001	3	72	8.5C	7.4	525														
03/24/69			8.4	57 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0945	5001	3	82	14 C	6.9	390														
04/15/69	5006		10.4	61 F	8.3	416	28	15	36	3.1	2.0	158	50	16	--	--	0.3	9.0	266	132
1140	5001	3	106	16 C	7.7	460	1.40	1.23	1.57	.08	.07	2.59	1.04	.45					237	0
							33	29	37	2	2	62	25	11						
05/22/69			7.5	68 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0935	5001	3	83	20 C	7.4	280														
06/09/69			7.4	66 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0845	5001	3	80	19 C	7.5	280														
07/17/69	5006		5.5	77 F	7.4	227	16	8.0	16	1.8	0.0	78	14	21	--	--	0.3	17	130	73
0915	5001	3	67	25 C	7.0	240	.80	.66	.70	.05		1.28	.29	.59					132	9
							36	30	32	2		59	13	27						
08/07/69			6.2	77 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1020	5001	3	76	25 C	7.3	220														
09/17/69			7.8	72 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1000	5001	3	90	22 C	7.4	190														
			89 D 805.8 140.1				SAN JOAQUIN RIVER AT TWITCHELL ISLAND													
10/28/68	5006		8.3	61 F	--	700	--	--	--	--	--	--	--	140	--	--	--	--	455	--
1225	5001	3	85	16 C	7.6	750								3.95						
														56						
11/26/68	5006		10.0	50.9F	--	300	--	--	--	--	--	--	--	39	--	--	--	20	211	--
1125	5001	3	90	10.5C	8.0	310								1.10						
														36						
12/17/68	5006		10.9	32 F	--	193	10	9.0	14	2.0	0.0	79	11	15	--	--	--	24	127	62
1520	5001	3	90	7 C	7.5	190	.50	.74	.61	.05		1.30	.23	.42					124	0
							26	39	32	3		67	12	22						
01/27/69	5006		10.0	50 F	--	180	--	--	--	--	--	--	--	12	--	--	--	12	148	--
1225	5001	3	89	10 C	7.2	190								.34						
														18						
02/25/69	5006		10.7	50 F	--	200	--	--	--	--	--	--	--	20	--	--	--	15	129	--
1145	5001	3	95	10 C	7.7	220								.56						
														28						
03/26/69	5006		10.3	57 F	7.6	223	16	6.8	20	1.7	0.0	72	25	22	--	--	--	15	178	68
1145	5001	3	100	14 C	7.4	240	.80	.56	.87	.04		1.18	.52	.62					142	9
							35	25	38	2		51	22	27						
05/07/69	5006		9.6	64 F	7.9	142	--	--	--	--	--	--	--	10	--	--	--	16	98	--
1050	5001	3	102	18 C	7.5	140								.28						
														19						
06/11/69			8.3	66 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1820	5001	3	90	19 C	7.3	120														
07/23/69			9.0	77 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1525	5001	3		25 C	7.8	180														
08/20/69			10.0	75 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1435	5001	3		24 C	8.0	185														
09/18/69	5006		9.1	70 F	--	180	--	--	--	--	--	--	--	11	--	--	--	14	120	--
1325	5001	3	103	21 C	7.8	200								.31						
														17						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.M. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE												MILLIGRAMS PER LITER	
			89 0 806.4 142.0				THREE MILE SLOUGH AT SACRAMENTO RIVER													
10/30/68	5006		9.0	63 F	--	612	--	--	--	--	--	--	--	100	--	--	--	18	333	--
1300	5001	3	94	17 C	8.4	525								2.82						
														46						
11/25/68	5006		9.8	52 F	--	250	--	--	--	--	--	--	--	88	--	--	--	23	154	--
1115	5001	3	89	11 C	7.5	280								2.48						
														99						
12/18/68	5006		10.8	32 F	--	170	9.0	10	12	3.0	0.0	73	12	9.0	--	--	0.7	22	123	61
1455	5001	3	89	7 C	7.5	180	.45	.82	.52	.08		1.20	.25	.25					113	1
							24	44	28	4		71	15	15						
01/28/69	5006		11.6	32 F	--	80	--	--	--	--	--	--	--	0.5	--	--	--	12	63	--
1230	5001	3	98	8 C	7.3	90								.01						
														1						
02/25/69	5006		11.5	32 F	--	140	--	--	--	--	--	--	--	4.0	--	--	--	15	98	--
1240	5001	3	95	7 C	7.4	160								.11						
														7						
03/26/69	5006		10.4	55 F	7.3	193	15	7.5	14	1.4	0.0	80	18	14	--	--	--	15	152	69
1230	5001	3	99	13 C	7.4	210	.75	.62	.61	.04		1.31	.37	.39					124	4
							37	31	30	2		63	18	19						
05/08/69	5006		10.0	63 F	8.1	127	--	--	--	--	--	--	--	6.0	--	--	--	17	60	--
0950	5001	3	104	17 C	7.5	150								.17						
														13						
06/10/69			9.1	66 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1620	5001	3	99	19 C	7.7	140														
07/22/69			8.5	73 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1300	5001	3	100	23 C	7.8	190														
08/19/69			8.7	72 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1155	5001	3	100	22 C	7.7	180														
09/17/69	5006		8.9	66 F	--	170	--	--	--	--	--	--	--	7.0	--	--	--	16	119	--
1130	5001	3	97	19 C	7.7	200								.20						
														11						
			89 0 808.8 125.8				SYCAMORE SLOUGH AT DRAIN NEAR LODI													
02/10/69	5006		0.0	54 F	7.2	655	43	20	45	29	0.0	317	20	33	--	--	--	29	402	190
1040	5001	2		12 C	6.9	690	2.15	1.64	1.96	.74		5.20	.42	.93					374	0
							33	25	30	11		79	6	14						
02/13/69			0.0	32 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0950	5001	2		8 C	6.8	500														
03/25/69			0.0	61 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1010	5001	2		16 C	6.6	800														
04/15/69	5006		3.3	59 F	7.4	654	47	21	54	18	0.0	332	10	36	--	--	0.5	35	439	204
1050	5001	3	33	15 C	7.3	670	2.35	1.73	2.35	.46		5.44	.21	1.02					384	0
							34	25	34	7		82	3	15						
05/23/69			7.2	70 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0935	5001	3	81	21 C	7.0	105														
05/23/69	5006	6.00	7.2	70 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0955	5001	3	81	21 C	7.0	105														
06/10/69			5.9	63 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0940	5001	3	61	17 C	6.7	100														
07/17/69	5006		4.4	79 F	--	--	9.6	3.8	7.5	3.4	0.0	52	10	--	--	--	--	5.0	--	40
0825	5001	3	55	26 C	6.4	130	.48	.31	.33	.09		.85	.21							0
08/07/69			5.5	75 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0945	5001	2	66	24 C	6.7	160														
09/18/69			4.7	68 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1005	5001	3	52	20 C	6.6	120														

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
			89 D 808.8	126.1			SYCAMORE SLOUGH NEAR LODI													
10/10/68	5006		6.8	63.5F	--	270	20	11	19	9.3	0.0	144	5.0	19	--	--	--	--	214	98
1430	5001	3	72	17.5C	7.1	330	1.04	.92	.83	.24		2.36	.10	.54					155	0
							34	30	27	8		79	3	18						
11/13/68			5.9	57 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1310	5001	3	58	14 C	7.4	300														
12/11/68			9.5	32 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1115	5001	3	80	8 C	7.4	210														
			89 D 809.6	141.1			SACRAMENTO RIVER AT RIO VISTA BRIDGE													
10/30/68	5006		8.8	63 F	--	300	--	--	--	--	--	--	--	40	--	--	--	17	209	--
1320	5001	3	92	17 C	8.2	260								1.13						
														37						
11/25/68	5006		9.6	52 F	--	200	--	--	--	--	--	--	--	8.0	--	--	--	21	150	--
1135	5001	3	87	11 C	7.6	180								.23						
														11						
11/25/68	5050			--	8.1	180	12	8.3	13	2.0	0.0	77	12	10	0.8	--	0.1	20	110	64
1230	5050						.60	.68	.57	.05		1.26	.25	.28	.01				116	1
							32	36	30	3		70	14	16	1					
12/18/68	5006		10.8	32 F	--	160	6.0	7.0	10	1.0	0.0	65	9.0	6.0	--	--	--	20	115	43
1515	5001	3	89	7 C	7.3	150	.30	.58	.44	.03		1.07	.19	.17					91	0
							22	43	33	2		75	13	12						
01/28/69	5006		11.2	32 F	--	143	12	6.0	--	--	--	--	--	15	--	--	--	15	99	55
1315	5001	3	96	6 C	7.5	150	.60	.49						.42						55
							41	34						29						
02/25/69	5006		11.4	32 F	--	164	--	--	--	--	--	--	--	6.0	--	--	--	18	123	--
1330	5001	3	96	8 C	7.5	170								.17						
														10						
03/29/69	5006		10.2	57 F	7.8	164	15	7.8	9.0	1.2	0.0	84	14	7.5	--	--	--	16	145	70
1430	5001	3	99	14 C	7.5	170	.75	.64	.39	.03		1.38	.29	.21					112	1
							41	35	22	2		73	15	11						
05/08/69	5006		9.8	63 F	8.1	128	--	--	--	--	--	--	--	4.0	--	--	--	17	61	--
1020	5001	3	102	17 C	7.5	130								.11						
														8						
06/10/69	5006		9.1	66 F	--	132	--	--	--	--	--	--	--	--	--	--	--	20	114	--
1645	5001	3	99	19 C	7.7	160														
07/22/69	5006		9.7	77 F	--	147	--	--	--	--	--	--	--	5.0	--	--	--	18	92	--
1315	5001	3	106	25 C	7.9	190								.14						
														9						
08/19/69	5006		8.0	72 F	--	137	--	--	--	--	--	--	--	3.0	--	--	--	17	83	--
1220	5001	3	92	22 C	7.5	160								.08						
														5						
09/18/69	5006		8.1	68 F	6.7	160	11	6.9	11	1.5	0.0	76	8.0	6.0	--	--	--	16	111	56
1200	5001	3	90	20 C	7.5	170	.55	.57	.48	.04		1.25	.17	.17					98	0
							34	35	29	2		79	11	11						
			89 D 810.1	127.9			HOG SLOUGH NEAR THORNTON													
10/10/68	5006		6.4	64 F	--	370	24	18	34	3.8	0.0	128	14	65	--	--	--	--	284	1360
1015	5001	3	68	18 C	7.3	300	1.21	1.52	1.48	.10		2.10	.29	1.83					222	1256
							28	35	34	2		50	7	43						
11/13/68			8.9	57 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1345	5001	3		14 C	7.6	600														
12/11/68			10.0	32 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1205	5001	3		8 C	7.7	750														
02/01/69			9.5	32 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1130	5001	3		7 C	7.5	850														
02/10/69	5006		6.0	52 F	7.6	982	55	38	75	6.0	0.0	260	20	162	--	--	--	20	593	294
1125	5001	3		11 C	7.4	1000	2.74	3.12	3.26	.15		4.26	.42	4.57					503	81
							30	34	35	2		46	5	49						
02/13/69			6.3	32 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1020	5001	3		8 C	7.7	1200														
03/25/69			11.3	61 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1050	5001	3		16 C	8.0	1010														
04/16/69	5006		8.8	63 F	7.8	897	57	35	70	2.5	0.0	164	10	212	--	--	--	17	689	286
1055	5001	3		17 C	7.7	900	2.84	2.88	3.05	.06		2.69	.21	5.98					484	152
							32	33	35	1		30	2	67						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.M. DEPTH	DO SAT	TEMP		PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
								MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER; MILLIEQUIVALENTS PER LITER; PERCENT REACTANCE VALUE												MILLIGRAMS PER LITER	
			89 D 810.1	127.9				HOG SLOUGH NEAR THORNTON									CONTINUED				
05/23/69			7.3	68	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1010	5001	3	81	20	C	7.3	340														
06/10/69			6.1	68	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1030	5001	3	68	20	C	7.2	350														
07/18/69	5006		7.1	79	F	7.4	219	15	8.6	14	2.2	0.0	79	7.0	24	--	--	--	17	130	74
0930	5001	3	89	26	C	7.4	240	.75	.71	.61	.06		1.30	.15	.68					127	9
								35	33	29	3		61	7	32						
08/08/69			3.8	79	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1020	5001	3	47	26	C	7.0	350														
09/18/69			7.4	72	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1045	5001	3	86	22	C	7.5	340														
			89 D 811.0	139.3				STEAMBOAT SLOUGH ABOVE CACHE SLOUGH													
10/30/68	5006		8.8	61	F	--	185	--	--	--	--	--	--	--	10	--	--	--	18	172	--
1340	5001	3	90	16	C		160								.28						
															15						
11/25/68	5006		9.4	52	F	--	200	--	--	--	--	--	--	--	9.0	--	--	--	22	153	--
1200	5001	3	85	11	C	7.3	200								.25						
															12						
12/18/68	5006		11.0	32	F	--	140	7.0	6.0	9.0	1.0	0.0	53	9.0	5.0	--	--	0.5	20	101	64
1530	5001	3	88	6	C	7.3	128	.35	.49	.39	.03		.87	.19	.14					83	21
								28	39	31	2		73	16	12						
02/25/69	5006		11.6	32	F	--	119	--	--	--	--	--	--	--	--	--	--	--	15	80	--
1355	5001	3	96	7	C	7.3	125														
03/29/69	5006		10.4	59	F	7.3	146	14	6.7	8.0	1.2	0.0	76	12	5.0	--	--	--	15	134	63
1530	5001	3	104	15	C	7.4	150	.70	.55	.35	.03		1.25	.25	.14					99	1
								43	34	21	2		76	15	9						
05/08/69	5006		9.8	63	F	8.0	102	--	--	--	--	--	--	--	22	--	--	--	16	50	--
1050	5001	3	102	17	C	7.5	120								.62						
															60						
06/10/69			9.1	64	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1705	5001	3	97	18	C	7.6	140														
07/22/69			8.9	77	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1335	5001	3	109	25	C	7.8	170														
08/19/69			8.0	72	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1245	5001	3	92	22	C	7.5	160														
09/17/69	5006		8.1	66	F	--	135	--	--	--	--	--	--	--	7.0	--	--	--	18	113	--
1210	5001	3	88	19	C	7.4	200								.20						
															14						
			89 D 812.3	125.8				BEAVER SLOUGH NEAR THORNTON													
10/11/68	5006		6.6	64	F	--	--	15	13	19	3.4	0.0	110	12	24	--	--	--	--	164	93
1045	5001	3	70	18	C	7.4	460	.75	1.07	.83	.09		1.80	.25	.68					140	3
								27	39	30	3		66	9	25						
11/13/68			8.0	57	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1430	5001	3	78	14	C	7.4	280														
12/11/68			7.7	32	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1305	5001	3	67	9	C	7.2	300														
02/10/69	5006		0.2	52	F	7.2	540	33	21	28	15	0.0	170	21	58	--	--	--	17	330	169
1200	5001	3	2	11	C	6.9	580	1.65	1.73	1.22	.38		2.79	.44	1.64					276	30
								33	35	24	8		57	9	34						
02/13/69			0.2	32	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1055	5001	3	2	8	C	7.1	700														
03/25/69			8.8	59	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1130	5001	3	88	15	C	7.4	570														
04/16/69	5006		6.3	63	F	7.4	405	--	--	--	--	--	--	--	--	--	--	--	--	252	136
1130	5001	3	66	17	C	7.5	420														136
05/23/69			7.1	66	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1050	5001	3	77	19	C	7.1	150														

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.M. DEPTH	DO SAT	TEMP		PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
								MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER; MILLIEQUIVALENTS PER LITER; PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
			H9 U 812.3 126.8					BEAVER SLOUGH NEAR THORNTON								- CONTINUED					
06/10/69			6.3	68	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1110	5001	3	70	20	C	6.9	150														
07/18/69	5006		7.1	77	F	7.1	83	6.3	3.0	4.5	1.5	0.0	35	4.0	4.0	--	--	--	14	53	28
1030	5001	3	87	25	C	7.0	100	.31	.25	.20	.04		.57	.08	.11					54	0
								39	31	25	5		75	11	14						
08/08/69			6.9	79	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1100	5001	3	86	26	C	7.2	120														
09/18/69			6.7	72	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1130	5001	3	77	22	C	7.1	100														
04/25/69	5050	2.94	9.5	63	F	8.2	438	25	21	33	1.6	0.0	162	44	26	1.3	--	0.6	--	235	149
1430	5050		99	17	C	8.0	415	1.25	1.73	1.44	.04		2.66	.92	.73	.02				232	16
								28	39	32	1		61	21	17						
			H9 U 815.3 126.3					MOKELUMNE RIVER NEAR THORNTON													
10/10/68	5006		7.8	64	F	--	125	13	11	17	1.7	0.0	94	10	7.0	--	--	--	--	109	550
1500	5001	3	83	18	C	7.2	170	.66	.90	.74	.04		1.54	.21	.20					106	473
								28	38	32	2		79	11	10						
11/13/68			8.7	57	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1505	5001	3		14	C	7.2	80														
12/11/68			10.0	32	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1335	5001	3		9	C	7.0	85														
02/10/69	5006		10.5	52	F	7.0	54	3.0	1.0	3.0	1.0	0.0	18	2.0	2.0	--	--	--	8.0	32	12
1230	5001	3		11	C	7.0	70	.15	.08	.13	.03		.30	.04	.06					29	0
								38	21	33	8		75	10	15						
02/13/69			10.4	32	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1120	5001	3	90	9	C	7.1	90														
03/25/69			10.9	57	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1245	5001	3	106	14	C	6.8	100														
04/16/69	5006		11.7	55	F	7.2	52	--	--	--	--	--	--	--	--	--	--	--	--	32	18
1300	5001	3	111	13	C	7.3	55														18
05/23/69			10.7	59	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1120	5001	3	107	15	C	7.2	55														
06/10/69		3.70	10.4	61	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1145	5001	3	106	16	C	7.2	50														
07/18/69	5006	3.00	8.9	72	F	6.9	35	3.3	1.2	1.5	0.8	0.0	20	0.0	0.0	--	--	--	13	30	13
1110	5001	2	103	27	C	6.9	50	.16	.10	.07	.02		.33							30	0
								46	29	20	6		100								
08/08/69			8.5	72	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1135	5001	3	98	22	C	7.0	50														
09/18/69		2.60	9.1	66	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1245	5001	3	99	19	C	7.2	56														
			H9 U 815.6 147.2					CALHOUN CUT NEAR RIO VISTA													
11/15/68	5050		11.2	44.5	F	7.9	453	--	--	--	--	--	--	--	31	1.5	--	--	--	--	--
1325	5050		92	6.9	C	7.9	450								.87	.02					
															19						
			H9 U 816.6 129.8					SNODGRASS SLOUGH AT TWIN CITIES ROAD NEAR HOOD													
10/11/68	5006		6.7	64	F	--	170	13	10	17	1.7	0.0	94	10	8.0	--	--	--	--	135	76
0940	5001	3	71	18	C	7.3	210	.66	.87	.74	.04		1.54	.21	.23					107	0
								29	38	32	2		78	11	12						
11/13/68			8.2	57	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1540	5001	3		14	C	7.4	200														
12/11/68			10.1	32	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1410	5001	3		9	C	7.3	220														
02/10/69	5006	7.60	6.8	52	F	7.0	208	12	9.0	11	5.0	0.0	62	21	18	--	--	--	14	150	67
1320	5001	3	62	11	C	6.5	220	.60	.74	.48	.13		1.02	.44	.51					120	16
								41	38	25	7		52	22	26						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: F	B	SIO2	TOS SUM	TH NCH
			89 U 816.6 129.8				SNODGRASS SLOUGH AT TWIN CITIES ROAD NEAR HOOD CONTINUED													
02/13/69			6.1	32 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1140	5001	3	53	9 C	6.8	295														
03/25/69			10.9	57 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1245	5001	3	106	14 C	6.8	100														
04/16/69	5006		10.1	63 F	7.7	350	--	--	--	--	--	--	--	--	--	--	--	--	230	133
1345	5001	3	105	17 C	7.6	365														133
05/23/69		6.00	8.3	68 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1250	5001	3	92	20 C	7.0	75														
06/10/69		4.00	6.9	68 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1250	5001	3	77	20 C	6.9	100														
07/18/69	5006	5.00	7.3	77 F	7.4	149	11	6.6	10	1.4	0.0	75	10	5.0	--	--	0.2	20	100	55
1250	5001	3	89	25 C	7.2	170	.55	.54	.44	.04		1.23	.21	.14					101	0
							35	34	28	3		78	13	9						
08/08/69		3.50	6.8	77 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1245	5001	3	83	25 C	7.1	160														
09/18/69		5.60	7.0	70 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1330	5001	3		21 C	7.0	180														
			89 U 817.8 144.8				CACHE SLOUGH AT VALLEJO PUMPING PLANT													
11/15/68	5050		10.5	45.5F	7.9	476	--	--	--	--	--	--	--	31	4.5	--	--	--	--	--
1120	5050			7.4C	8.0	460								.87	.07					
														18	1					
			89 U 819.1 130.1				SNODGRASS SLOUGH AT SP RAILROAD BR													
10/11/68	5006		5.2	64 F	--	210	15	11	20	1.8	0.0	110	19	12	--	--	--	--	173	87
0850	5001	3	55	18 C	7.1	275	.77	.98	.87	.05		1.80	.40	.34					134	0
							29	37	33	2		71	16	13						
11/13/68			7.3	55 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1610	5001	3	70	13 C	7.3	350														
12/11/68			9.1	32 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1440	5001	3	77	8 C	7.3	300														
02/10/69	5006		6.0	52 F	7.0	164	10	7.0	9.0	5.0	0.0	62	16	11	--	--	--	13	131	54
1350	5001	3	55	11 C	6.7	180	.50	.58	.39	.13		1.02	.33	.31					101	3
							31	36	24	8		61	20	19						
02/13/69			6.0	32 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1235	5001	3	52	9 C	7.8	160														
03/25/69			9.0	61 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1405	5001	3	92	16 C	7.0	290														
04/16/69	5006		7.1	64 F	7.8	383	--	--	--	--	--	--	--	--	--	--	--	--	245	148
1430	5001	2	76	18 C	7.1	400														148
05/23/69			7.8	68 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1335	5001	3	87	20 C	7.2	195														
06/10/69			4.5	70 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1330	5001	2	51	21 C	6.9	180														
07/18/69	5006		6.8	81 F	7.3	167	12	7.0	10	1.5	0.0	78	10	7.0	--	--	0.2	20	110	59
1345	5001	3	86	27 C	7.0	185	.60	.58	.44	.04		1.28	.21	.20					106	0
							36	35	27	2		76	12	12						
08/08/69		3.00	4.2	79 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1325	5001	2	52	26 C	6.7	190														
09/18/69		40.00	5.0	72 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1405	5001	3	58	22 C	6.9	190														

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.M. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TOS SUM	TH NCH
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
			89 U 820.7 132.7				SACRAMENTO R AT GREENS LANDING													
10/01/68			8.3	64 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0750	5050			18 C	7.5	185														
11/06/68			9.1	57 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0930	5050			14 C	7.4	171														
12/11/68		5.95	10.5	50 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1015	5050			10 C	7.2	160														
02/04/69		14.58	11.8	46 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1400	5050			8 C	7.4	118														
03/14/69		10.07	11.2	49 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1115	5050			9 C	7.3	158														
03/29/69	5006		10.5	57 F	7.5	138	13	6.4	7.2	1.1	0.0	64	12	5.9	--	--	--	16	104	59
1210	5001	3		14 C	7.5	150	.65	.53	.31	.03		1.05	.25	.17					93	7
							43	35	20	2		71	17	12						
04/09/69		12.00	11.2	53 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0810	5050			12 C	7.3	110														
05/01/69	5006		10.8	55 F	5.3	87	--	--	--	--	--	--	--	--	--	--	--	--	82	--
1110	5001	3		13 C	7.4	100														
05/01/69			10.8	59 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1111	5001	9	108	15 C	7.4	100														
05/01/69			9.0	63 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1330	5001	3	94	17 C	7.3	180														
05/01/69			9.2	61 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1350	5001	9	94	16 C	7.3	175														
05/22/69		11.07	9.5	61 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0740	5050			16 C	7.2	95														
06/10/69			9.1	66 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1415	5001	3		19 C	7.4	160														
06/17/69		7.85	8.0	68 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0710	5050			20 C	7.2	162														
07/09/69		4.65	7.7	70 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1045	5050			21 C	7.3	140														
07/22/69			8.2	75 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1545	5001	3		24 C	7.6	160														
08/05/69		4.64	7.2	74 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0820	5050			23 C	7.3	145														
08/22/69			7.9	72 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1030	5001	3		22 C	7.5	160														
09/10/69		5.43	8.0	70 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1245	5050			21 C	7.4	190														
09/18/69	5006		7.3	68 F	--	165	--	--	--	--	--	--	--	7.0	--	--	--	18	109	--
1030	5001	3		20 C	7.6	170								.20						
														12						
			89 U 827.3 130.0				SACRAMENTO RIVER AT FREEPORT													
10/02/68	5050		9.1	65 F	7.7	155	12	6.3	10	--	0.0	77	4.9	4.5	--	0.1	0.1	--	82	56
1215	5050		97	18 C	7.5	165	.60	.52	.44			1.26	.10	.13					76	0
							38	33	28			85	7	9						
11/06/68	5050		10.1	57 F	7.8	167	12	6.8	11	--	0.0	77	9.7	7.1	--	0.1	0.1	--	116	58
1300	5050		98	14 C	7.3	170	.60	.56	.48			1.26	.20	.20					85	0
							37	34	29			76	12	12						
12/04/68	5050		11.5	50 F	7.7	156	12	6.1	9.2	--	0.0	74	6.1	6.4	--	0.1	0.1	--	101	55
1320	5050		102	10 C	7.7		.60	.50	.40			1.21	.13	.18					76	0
							40	33	27			80	9	12						
01/08/69	5050			46 F	7.9	179	12	8.1	9.8	1.6	0.0	74	14	7.0	2.4	--	0.0	--	110	63
1335	5050			8 C	7.4	230	.60	.66	.43	.04		1.21	.29	.20	.04				91	3
							35	38	25	2		70	17	11	2					

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.M. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TOS SUM	TH NCH
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER													
							MILLIEQUIVALENTS PER LITER													
							PERCENT REACTANCE VALUE													
																			MILLIGRAMS PER LITER	
			B9 U 827.3		130.0		SACRAMENTO RIVER AT FREEPORT								CONTINUED					
02/05/69	5000		12.4	46.2F	7.4	124	11	5.2	6.2	1.1	0.0	61	8.0	3.2	1.1	0.0	0.0	16	81	49
1350	5050		104	7.8C	7.3		.55	.43	.27	.03		1.00	.17	.09	.02				82	0
							43	34	21	2		78	13	7	2					
03/05/69	5000		11.7	48 F	7.4	116	12	5.6	5.1	1.1	0.0	64	8.0	2.3	1.7	0.0	0.0	15	--	53
1410	5050		101	9 C	7.5	120	.60	.46	.22	.03		1.05	.17	.06	.03				82	1
							46	35	17	2		80	13	5	2					
04/09/69	5000		12.0	53.5F	7.4	109	9.9	4.6	5.5	1.0	0.0	54	5.0	3.3	2.5	0.0	.00	15	74	44
1000	5050		111	11.9C	7.5	120	.49	.38	.24	.03		.89	.10	.09	.04				73	0
							43	33	21	3		79	9	8	4					
05/07/69	5000		10.4	60 F	7.4	117	9.3	4.5	6.3	0.8	0.0	53	7.0	2.8	1.7	0.2	.00	15	--	42
0940	5050		105	16 C	7.3	109	.46	.37	.27	.02		.87	.15	.08	.03				74	0
							41	33	24	2		77	13	7	3					
06/04/69	5000		9.0	65 F	7.2	104	8.8	4.2	5.7	0.8	0.0	49	7.0	2.7	0.0	0.0	.06	15	--	40
1230	5050		96	18 C	7.3	110	.44	.35	.25	.02		.80	.15	.08					68	0
							42	33	24	2		78	15	8						
07/09/69	5000		8.9	70 F	7.5	161	11	6.3	9.3	1.1	0.0	68	9.0	4.8	1.3	0.2	.05	18	--	54
0825	5050		101	21 C	7.6		.55	.52	.40	.03		1.12	.19	.14	.02				94	0
							37	35	27	2		76	13	10	1					
07/25/69			8.4	73.0F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1140	5050		99	22.8C	7.4	154														
08/06/69	5000		7.6	73 F	7.5	155	11	6.4	10	1.0	0.0	73	7.0	5.4	0.4	0.1	.10	16	--	54
0945	5050		89	23 C	7.3	169	.55	.53	.44	.03		1.20	.15	.15	.01				93	0
							35	34	28	2		79	10	10	1					
08/19/69	5050		8.4	69.8F	--	148	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1100	5050		95	20.9C	7.4	153														
09/03/69	5050			--	--	155	--	--	--	--	--	--	--	--	--	0.1	--	--	--	--
	5050																			
09/03/69	5000		9.1	69.8F	7.3	157	11	6.8	11	1.2	0.0	74	8.0	6.2	0.9	0.0	.12	17	94	56
1145	5000		103	20.9C	8.5	165	.55	.56	.48	.03		1.21	.17	.17	.01				98	0
							34	35	30	2		78	11	11	1					
09/16/69	5050		9.1	65.5F	--	162	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0830	5050		98	18.5C	7.3	157														

DATE TIME	LAB SAMPLER	G.M. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TOS SUM	TH NCH
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER													
							MILLIEQUIVALENTS PER LITER													
							PERCENT REACTANCE VALUE													
																			MILLIGRAMS PER LITER	
			G4 1590.01				SUSAN RIVER NEAR LITCHFIELD													
12/11/68	5050		11.5	38 F	7.8	240	--	--	26	--	0.0	120	--	5.6	--	--	0.1	--	--	70
1430	5050	106	86	3 C	7.9				1.13			1.97		.16						0
									47			82		6						
01/21/69	5050		10.6	36 F	7.7	151	--	--	24	--	0.0	67	--	6.1	--	--	0.1	--	--	41
1800	5050	1084	77	2 C	8.4				1.04			1.10		.17						0
									68			72		11						
02/18/69	5050		11.3	39 F	7.7	286	--	--	31	--	0.0	124	--	9.2	--	--	0.0	--	--	82
1500	5050	172	86	4 C	8.3				1.35			2.03		.26						0
									47			70		9						
03/11/69	5050		12.1	40 F	7.9	433	--	--	45	--	0.0	176	--	13	--	--	0.1	--	--	119
1530	5050	122	93	4 C	8.1				1.96			2.89		.37						0
									45			66		8						
04/09/69	5050		11.0	48 F	7.6	175	--	--	15	--	0.0	94	--	3.2	--	--	0.0	--	--	59
1525	5050	540	95	9 C	8.0				.65			1.54		.09						0
									37			88		5						
05/14/69	5050		9.6	52 F	7.4	122	9.4	4.0	9.0	1.3	0.0	59	4.4	3.7	0.9	--	0.1	--	78	40
0905	5050	1061	87	11 C	7.6		.47	.33	.39	.03		.97	.09	.10	.01				62	0
							39	27	32	2		83	8	9	1					
06/10/69	5050		8.8	67 F	7.7	236	--	--	22	--	0.0	110	--	5.3	--	--	0.1	--	--	71
1300	5050	207	96	19 C	8.1				.96			1.80		.15						0
									40			76		6						
07/08/69	5050		9.6	80 F	8.3	510	--	--	68	--	0.0	250	--	12	--	--	0.2	--	--	127
1600	5050	73	121	27 C	8.4				2.96			4.10		.34						0
									58			80		6						
08/13/69	5050		10.6	84 F	8.4	455	--	--	56	--	1.0	228	--	9.4	--	--	0.1	--	--	120
1515	5050	38	139	29 C	8.4				2.44		.03	3.74		.27						0
									53			82		5						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
			G4 1590.01				SUSAN RIVER NEAR LITCHFIELD								CONTINUED					
09/17/69	5050		7.5	53 F	8.2	464	32	12	54	6.7	0.0	210	58	9.2	4.1	--	0.2	--	295	131
0725	5050	26	69	12 C	7.9		1.60	.99	2.35	.17		3.44	1.21	.26	.07				279	0
							31	19	46	3		69	24	5	1					
			G4 1600.00				SUSAN RIVER AT SUSANVILLE													
10/08/68	5050	.95	10.6	50 F	8.0	181	--	--	6.8	--	0.0	115	--	1.5	--	--	0.0	--	--	84
1510	5050	4.2	94	10 C	7.8				.30			1.89		.04						0
									16			104		2						
11/15/68	5050	1.40	11.0	44 F	8.2	163	--	--	6.0	--	0.0	100	--	1.6	--	--	0.0	--	--	73
1300	5050	12	90	7 C	7.5				.26			1.64		.05						0
									15			100		3						
12/11/68	5050	2.13	12.5	34 F	8.0	124	--	--	5.0	--	0.0	71	--	1.9	--	--	0.0	--	--	59
1520	5050	53	88	1 C	7.4				.22			1.16		.05						1
									17			93		4						
01/22/69	5050	3.94	12.0	33 F	7.7	78	--	--	3.3	--	0.0	43	--	1.4	--	--	0.0	--	--	32
0715	5050	472	83	1 C	7.1				.14			.71		.04						0
									17			91		5						
02/18/69	5050	2.40	12.0	37 F	8.0	122	--	--	5.0	--	0.0	70	--	2.2	--	--	0.0	--	--	58
1520	5050	84	88	3 C	7.4				.22			1.15		.06						1
									18			94		4						
03/11/69	5050	2.31	12.8	36 F	8.0	136	--	--	4.2	--	0.0	79	--	2.2	--	--	0.0	--	--	78
1600	5050	74	93	2 C	7.5				.18			1.30		.06						13
									13			95		4						
04/09/69	5050	3.64	10.6	46 F	7.5	86	--	--	3.2	--	0.0	49	--	1.3	--	--	0.0	--	--	36
1630	5050	388	89	8 C	7.4				.14			.80		.04						0
									16			93		4						
05/14/69	5050	4.98	11.0	47 F	7.2	53	6.1	1.9	1.8	0.8	0.0	31	0.0	2.0	0.1	--	0.0	--	44	23
0800	5050	1020	94	8 C	8.0		.30	.16	.08	.02		.51		.06					28	0
							54	29	14	4		89		11						
06/10/69	5050	3.08	9.3	60 F	7.7	85	--	--	2.8	--	0.0	52	--	0.9	--	--	0.0	--	--	37
1500	5050	190	94	16 C	7.3				.12			.85		.03						0
									14			100		3						
07/08/69	5050	1.22	8.5	67 F	8.3	117	--	--	4.2	--	0.0	73	--	1.4	--	--	0.0	--	--	53
1630	5050	47	93	19 C	7.7				.18			1.20		.04						0
									15			102		3						
08/14/69	5050	1.57	8.8	59 F	7.9	97	--	--	3.5	--	0.0	56	--	1.6	--	--	0.0	--	--	42
0715	5050	23	88	15 C	7.7				.15			.92		.05						0
									15			94		5						
09/17/69	5050	1.38	9.7	54 F	7.6	141	14	7.0	6.0	1.6	0.0	86	0.0	1.8	0.0	--	0.0	--	91	64
0845	5050	16	91	12 C	7.4		.70	.58	.26	.04		1.41		.05					73	0
							44	37	16	3		97		3						
			G7 1195.00				TRUCKEE RIVER AT FARAD													
10/02/68	5050	2.73	9.6	54 F	7.6	94	8.5	3.5	4.2	1.3	0.0	44	--	2.0	0.2	--	0.0	--	61	32
0915	5050	460	90	12 C	7.6	82	.42	.29	.18	.03		.72		.06						0
							44	30	19	3		76		6						
11/06/68	5050	2.69	10.9	43 F	7.8	106	9.7	5.5	5.1	1.8	0.0	53	0.8	3.1	0.0	--	0.0	--	73	41
0910	5050	424	88	6 C	7.4	98	.48	.45	.22	.05		.87	.02	.09					52	0
							40	38	18	4		89	2	9						
12/09/68	5050	2.65	11.7	38 F	7.5	98	9.3	2.9	4.5	1.3	0.0	50	2.3	3.4	0.1	--	0.0	--	47	35
1115	5050	414	87	3 C	7.4	96	.46	.24	.20	.03		.82	.05	.10					48	0
							49	26	22	3		85	5	10						
01/09/69	5050	2.66		32 F	7.7	105	9.2	3.6	5.4	1.8	0.0	52	2.8	3.7	0.1	--	0.0	--	59	38
0850	5050	424		C	7.3	103	.46	.30	.23	.05		.85	.06	.10					52	0
							44	29	22	5		84	6	10						
02/04/69		3.64	13.6	33 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1030	5050	920		1 C	7.3	95														
03/11/69		5.26	11.3	40 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1415	5050	2260		4 C	7.4	94														
04/08/69		6.28	11.5	39 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1030	5050	3260		4 C	7.3	86														
05/21/69		6.26	10.1	47 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1220	5050	3230		8 C	7.2	54														
06/16/69		6.72	9.2	53 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1010	5050	3790		12 C	7.3	70														
07/07/69		3.78	8.4	59 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1215	5050			15 C	7.6	73														

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

MILLIGRAMS PER LITER
MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER
PERCENT REACTANCE VALUE

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
			G7 1195.00				TRUCKEE RIVER AT FARAD								CONTINUED					
08/05/69		2.93	8.2	61 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1130	5050	563		16 C	7.6	90														
09/08/69		3.11	9.1	59 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1230	5050	635		15 C	7.8	91														
			G7 1565.00				DONNER CREEK AT DONNER LAKE													
11/13/68	5050	1.52	9.6	37 F	7.7	67	6.3	1.0	4.3	--	0.0	25	--	6.0	--	--	--	--	--	20
1110	5050	0.5		3 C	7.1	66	.31	.09	.19			.41		.17						0
							46	13	28			61		25						
01/07/69	5050	2.13	10.6	38 F	7.5	68	5.4	1.3	4.4	--	0.0	25	--	6.9	--	--	--	--	--	19
1020	5050	20	79	3 C	7.0	70	.27	.11	.19			.41		.19						0
							39	16	27			60		27						
03/11/69	5050	2.20	10.4	34 F	7.3	70	6.4	1.7	4.4	--	0.0	22	--	6.9	--	--	--	--	--	23
0950	5050	26	73	1 C	7.0	75	.32	.14	.19			.36		.19						5
							45	20	27			51		27						
05/21/69	5050	3.31	9.7	52 F	7.3	67	5.9	1.2	4.4	--	0.0	23	--	8.3	--	--	--	--	--	20
0900	5050	211	88	11 C	7.2	57	.29	.11	.19			.38		.23						1
							43	16	28			56		34						
07/07/69	5050	2.03	7.6	62 F	7.1	59	5.0	1.3	3.7	--	0.0	21	--	5.4	--	--	--	--	--	18
0945	5050	14	78	17 C	7.2	56	.25	.11	.16			.34		.15						1
							42	18	27			57		25						
09/08/69	5050	1.87	7.9	67 F	7.7	61	6.2	1.3	4.1	--	0.0	22	--	5.9	--	--	--	--	--	21
0900	5050	0.0	87	19 C	7.4	70	.31	.11	.18			.36		.17						3
							50	18	29			59		27						
			G7 1710.00				LAKE TAHOE AT TAHOE CITY													
11/13/68	5050	6.95	9.3	48 F	8.0	93	9.2	2.2	6.2	--	0.0	51	--	1.8	--	--	--	--	--	32
1230	5050		80	9 C	7.7	93	.46	.18	.27			.84		.05						0
							49	19	29			90		5						
01/07/69	5050	7.00	10.7	41 F	7.9	92	8.8	2.6	5.8	--	0.0	51	--	1.8	--	--	--	--	--	33
1130	5050		83	5 C	7.4	95	.44	.22	.25			.84		.05						0
							47	23	27			91		5						
03/11/69	5050		10.8	40 F	7.7	98	9.2	3.6	6.1	--	0.0	55	--	1.9	--	--	--	--	--	38
1115	5050		83	4 C	8.6	89	.46	.30	.27			.90		.05						0
							46	30	27			91		5						
05/21/69	5050		10.0	47 F	7.8	92	9.2	2.2	5.7	--	0.0	50	--	2.4	--	--	--	--	--	32
0945	5050		85	8 C	7.5	72	.46	.18	.25			.82		.07						0
							50	19	27			89		7						
07/07/69	5050		8.4	60 F	7.6	83	8.6	2.5	5.6	--	0.0	52	--	1.7	--	--	--	--	--	32
1045	5050		85	16 C	7.7	86	.43	.21	.24			.85		.05						0
							51	25	28			102		6						
09/08/69	5050	8.00	8.1	65 F	7.8	92	9.4	2.3	6.1	--	0.0	52	--	1.8	--	--	--	--	--	33
1010	5050		87	18 C	7.9	102	.47	.19	.27			.85		.05						0
							51	20	29			92		5						
			G7 3750.00				UPPER TRUCKEE RIVER NEAR MEYERS													
09/08/69	5050	4.08	8.7	53 F	7.7	58	5.0	2.0	4.2	--	0.0	29	--	2.6	--	--	--	--	--	21
0930	5050	18		12 C	7.1	59	.25	.17	.18			.48		.07						0
							43	29	31			82		12						
			G8 2300.00				CARSON RIVER , WEST FORK, AT WOODFORDS													
11/14/68	5050	1.05	12.1	32 F	7.9	71	7.8	1.8	3.7	--	0.0	40	--	0.9	--	--	--	--	--	27
0810	5050	27	83	C	7.2	74	.39	.15	.16			.66		.03						0
							54	21	22			92		4						
01/08/69	5050	1.19	12.6	33 F	7.8	76	8.0	2.4	3.4	--	0.0	40	--	0.9	--	--	--	--	--	30
0820	5050	30	87	1 C	7.1	74	.40	.20	.15			.66		.03						0
							52	26	19			86		3						
03/12/69	5050	1.23		33 F	7.9	77	8.6	2.8	2.9	--	0.0	42	--	0.8	--	--	--	--	--	33
0845	5050	34		1 C	7.4	79	.43	.23	.13			.69		.02						0
							55	29	16			89		2						
05/26/69	5050	3.52	11.2	40 F	7.3	36	4.2	0.8	1.4	--	0.0	20	--	1.3	--	--	--	--	--	14
0815	5050	830	86	4 C	7.2	36	.21	.07	.06			.33		.04						0
							58	19	16			91		11						
07/08/69	5050	2.30	9.6	47 F	7.4	57	6.9	0.4	2.2	--	0.0	23	--	0.8	--	--	--	--	--	19
0710	5050	232	82	8 C	7.3	43	.34	.04	.10			.38		.02						0
							59	7	17			66		3						
09/08/69	5050	1.70	8.3	58 F	7.7	80	8.0	1.7	4.3	--	0.0	35	--	1.7	--	--	--	--	--	27
1130	5050	112	82	14 C	6.9	70	.40	.14	.19			.57		.05						0
							50	17	23			71		6						

TABLE D-2 (CONT)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.M. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
			G8 3420.20				CARSON RIVER, EAST FORK, AT HIGHWAY 4 BRIDGE NEAR MARKLEEVILLE													
11/14/68	5050		12.6	32 F	8.0	122	11	3.5	8.6	--	0.0	59	--	3.5	--	--	--	--	--	42
0900	5050		86	C	7.3	43	.55	.29	.37			.97		.10						0
							45	23	30			79		8						
01/08/69	5050		13.2	33 F	7.9	140	14	3.6	8.6	--	0.0	62	--	3.4	--	--	--	--	--	50
0900	5050		91	1 C	7.3	139	.70	.30	.37			1.02		.10						0
							50	21	26			72		7						
03/12/69	5050		12.3	33 F	8.1	188	19	7.9	9.6	--	0.0	83	--	3.3	--	--	--	--	--	80
1000	5050		85	1 C	7.8	190	.95	.65	.42			1.36		.09						12
							50	34	22			72		4						
05/26/69	5050		10.6	41 F	7.5	55	6.0	1.4	2.5	--	0.0	28	--	1.3	--	--	--	--	--	21
0845	5050		83	5 C	7.3	54	.30	.12	.11			.46		.04						0
							54	21	20			83		7						
07/08/69	5050		10.0	48 F	7.7	54	5.7	--	2.7	--	0.0	30	--	1.2	--	--	--	--	--	--
0745	5050	1000	86	9 C	7.3	54	.28		.12			.49		.03						
							51		22			90		5						
09/08/69	5050		8.1	60 F	7.8	91	9.3	2.8	5.6	--	0.0	49	--	2.1	--	--	--	--	--	35
1200	5050		82	16 C	7.3	90	.46	.24	.24			.80		.06						0
							50	26	26			87		6						
			G9 2460.00				WALKER RIVER, WEST, NEAR COLEVILLE													
11/14/68	5050	1.65	11.9	32 F	7.9	71	7.0	3.5	4.0	--	0.0	36	--	1.5	--	--	--	--	--	32
1015	5050	68	81	C	7.2	69	.35	.29	.17			.59		.04						3
							49	40	23			83		5						
01/08/69	5050	1.59	12.8	32 F	7.7	16	10	2.6	4.8	--	0.0	48	--	1.6	--	--	--	--	--	36
1300	5050	57	87	C	7.2	95	.50	.22	.21			.79		.05						0
							312	137	131			493		31						
03/12/69	5050	1.60	11.5	33 F	7.7	113	12	3.6	5.7	--	0.0	58	--	1.8	--	--	--	--	--	45
1140	5050	59	80	1 C	7.2	116	.60	.30	.25			.95		.05						0
							53	26	22			84		4						
05/26/69	5050	4.65	10.4	41 F	7.3	42	5.1	0.7	1.6	--	0.0	21	--	0.7	--	--	--	--	--	16
1015	5050	2180	81	5 C	7.1	40	.25	.06	.07			.34		.02						0
							59	14	16			80		4						
07/08/69	5050	3.78	10.1	44 F	7.3	38	4.0	2.1	1.3	--	0.0	19	--	0.7	--	--	--	--	--	19
0940	5050	1090	82	7 C	7.2	32	.20	.18	.06			.31		.02						4
							52	47	15			81		5						
09/08/69	5050	1.95	8.1	60 F	7.8	72	8.1	2.6	3.2	--	0.0	39	--	1.5	--	--	--	--	--	31
1330	5050		82	16 C	6.9	68	.40	.22	.14			.64		.04						0
							55	30	19			88		5						
			G9 3200.00				WALKER RIVER, EAST, NEAR BRIDGEPORT													
11/14/68	5050	.29	10.9	44 F	8.3	222	26	4.8	14	--	0.0	119	--	2.6	--	--	--	--	--	85
1120	5050	14	89	7 C	8.1	230	1.30	.40	.61			1.95		.07						0
							58	18	27			87		3						
01/08/69	5050	.19	11.2	41 F	8.2	294	30	9.2	13	--	0.0	130	--	2.7	--	--	--	--	--	113
1130	5050	8.4	87	5 C	7.7	250	1.50	.76	.57			2.13		.08						7
							51	25	19			72		2						
03/12/69	5050		10.5	35 F	8.2	251	24	5.8	21	--	0.0	121	--	4.0	--	--	--	--	--	84
1305	5050		75	2 C	7.4	240	1.20	.48	.91			1.98		.11						0
							47	19	36			78		4						
05/26/69	5050	2.80	8.2	61 F	7.5	106	11	2.3	6.4	--	0.0	54	--	0.7	--	--	--	--	--	37
1110	5050	590	84	16 C	7.6	110	.55	.19	.28			.89		.02						0
							51	17	26			83		1						
07/08/69	5050	2.97	7.9	61 F	7.8	80	11	2.3	4.6	--	0.0	50	--	1.2	--	--	--	--	--	37
1030	5050	650	80	16 C	8.8	92	.55	.19	.20			.82		.03						0
							68	23	25			102		3						
09/08/69	5050	2.01	6.7	66 F	8.0	143	19	4.2	7.3	--	0.0	84	--	1.8	--	--	--	--	--	65
1415	5050	364	72	19 C	7.4	140	.95	.35	.32			1.38		.05						0
							66	24	22			96		3						

TABLE D-3

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Turbidity - JTU (E) - Jackson Turbidity Units as measured with a Hellege Turbidmeter

JTU (A) - Jackson Turbidity Units as measured with a Hach Nephelometer

JTU (F) - Jackson Turbidity Units as measured with a Hach Kit in the field

MBAS - Methylene blue active substance, a measure of detergents

Mg/L - Milligrams per liter

Ug/L - Micrograms per liter

Samp - Sampler. Codes for agency collecting sample are:

5001 - U. S. Bureau of Reclamation

5050 - Department of Water Resources

Lab - Laboratory. Codes for lab performing analysis are:

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-3

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
A0 X 846.8 136.2	NATOMAS CROSS CANAL AT VERONA	09-02-69 1110	Turbidity	20	JTU (E)	5050	5050
		09-16-69 0945	Turbidity	20	JTU (E)	5050	5050
A0 0058.00	AUBURN RAVINE AT LINCOLN	04-01-69 1350	Turbidity	25	JTU (E)	5050	5050
		09-03-69 0830	Turbidity	22	JTU (E)	5050	5050
A0 2100.00	SACRAMENTO RIVER AT SACRAMENTO	01-29-69 --	Turbidity	70	JTU (E)	5050	5050
		02-25-69 --	Turbidity	25	JTU (E)	5050	5050
A0 2104.01	SACRAMENTO RIVER AT BRYTE LAB AT BRYTE	02-05-69 --	Phenol	0.000	Mg/L	5050	5050
A0 2112.00	SACRAMENTO RIVER AT ELKHORN FERRY	08-19-69 1020	Turbidity	30	JTU (E)	5050	5050
		09-02-69 1210	Turbidity	35	JTU (E)	5050	5050
A0 2195.01	SACRAMENTO RIVER BELOW KNIGHTS LANDING	10-04-68 1300	Turbidity	6	JTU (E)	5050	5050
		11-08-68 1440	Turbidity	30	JTU (E)	5050	5050
		12-06-68 1315	Turbidity	15	JTU (E)	5050	5050
		01-10-69 1415	Turbidity	80	JTU (E)	5050	5050
		05-07-69 1325	Turbidity	50	JTU (E)	5050	5050
			Aluminum	69	Ug/L	5050	5000
			Arsenic	0.00	Mg/L	5050	5050
			Beryllium	<0.6	Ug/L	5050	5000
			Bismuth	2.3	Ug/L	5050	5000
			Cadmium	<1.4	Ug/L	5050	5000
			Chromium	<1.4	Ug/L	5050	5000
			Cobalt	24	Ug/L	5050	5000
			Copper	<1.4	Ug/L	5050	5000
			Gallium	<5.7	Ug/L	5050	5000
			Germanium	<0.3	Ug/L	5050	5000
			Iron	69	Ug/L	5050	5000
			Lead	<1.4	Ug/L	5050	5000
			Manganese	<1.4	Ug/L	5050	5000
			Molybdenum	<0.3	Ug/L	5050	5000
			Nickel	1.9	Ug/L	5050	5000
			Titanium	9.1	Ug/L	5050	5000
			Vanadium	2.9	Ug/L	5050	5000
			Zinc	<5.7	Ug/L	5050	5000
		06-09-69 1145	Turbidity	30	JTU (E)	5050	5050
		07-07-69 1330	Turbidity	45	JTU (E)	5050	5050
		08-05-69 1300	Turbidity	55	JTU (E)	5050	5050
		09-02-69 1250	Turbidity	25	JTU (E)	5050	5050
			Aluminum	43	Ug/L	5050	5000
			Beryllium	<0.6	Ug/L	5050	5000
			Bismuth	<0.3	Ug/L	5050	5000
			Cadmium	<1.4	Ug/L	5050	5000
			Chromium	<1.4	Ug/L	5050	5000
			Cobalt	<1.4	Ug/L	5050	5000
			Copper	<1.4	Ug/L	5050	5000
			Gallium	<5.7	Ug/L	5050	5000
			Germanium	0.3	Ug/L	5050	5000
			Iron	19	Ug/L	5050	5000

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
AO 2195.01	SACRAMENTO RIVER BELOW KNIGHTS LANDING (Continued)	09-02-69 1250	Lead	<1.4	Ug/L	5050	5000
			Manganese	<1.4	Ug/L	5050	5000
			Molybdenum	<0.3	Ug/L	5050	5000
			Nickel	<0.3	Ug/L	5050	5000
			Titanium	<0.6	Ug/L	5050	5000
			Vanadium	2.6	Ug/L	5050	5000
			Zinc	<5.7	Ug/L	5050	5000
AO 2420.00	SACRAMENTO RIVER AT COLUSA	10-04-68 0730	Turbidity	3	JTU (E)	5050	5050
		11-08-68 0830	Turbidity	5	JTU (E)	5050	5050
		12-05-68 0850	Turbidity	8	JTU (E)	5050	5050
		01-10-69 0910	Turbidity	55	JTU (E)	5050	5050
		02-06-69 1530	Turbidity	160	JTU (E)	5050	5050
		03-06-69 0925	Turbidity	75	JTU (E)	5050	5050
		04-08-69 0915	Turbidity	35	JTU (E)	5050	5050
		05-07-69 0805	Turbidity	40	JTU (E)	5050	5050
			Aluminum	91	Ug/L	5050	5000
			Beryllium	<0.6	Ug/L	5050	5000
			Bismuth	<0.3	Ug/L	5050	5000
			Cadmium	<1.4	Ug/L	5050	5000
			Chromium	<1.4	Ug/L	5050	5000
			Cobalt	<1.4	Ug/L	5050	5000
			Copper	<1.4	Ug/L	5050	5000
			Gallium	<5.7	Ug/L	5050	5000
			Germanium	<0.3	Ug/L	5050	5000
			Iron	51	Ug/L	5050	5000
			Lead	<1.4	Ug/L	5050	5000
			Manganese	<1.4	Ug/L	5050	5000
			Molybdenum	<0.3	Ug/L	5050	5000
			Nickel	1.1	Ug/L	5050	5000
			Titanium	2.4	Ug/L	5050	5000
			Vanadium	1.1	Ug/L	5050	5000
			Zinc	<5.7	Ug/L	5050	5000
		06-09-69 0815	Turbidity	18	JTU (E)	5050	5050
		07-07-69 0705	Turbidity	35	JTU (E)	5050	5050
		08-05-69 0815	Turbidity	15	JTU (E)	5050	5050
		09-02-69 1605	Turbidity	7	JTU (E)	5050	5050
			Aluminum	114	Ug/L	5050	5000
			Beryllium	<0.6	Ug/L	5050	5000
			Bismuth	<0.3	Ug/L	5050	5000
			Cadmium	<1.4	Ug/L	5050	5000
			Chromium	<1.4	Ug/L	5050	5000
			Cobalt	<1.4	Ug/L	5050	5000
			Copper	<1.4	Ug/L	5050	5000
			Gallium	<5.7	Ug/L	5050	5000
			Germanium	<0.3	Ug/L	5050	5000
			Iron	29	Ug/L	5050	5000
			Lead	<1.4	Ug/L	5050	5000
			Manganese	<1.4	Ug/L	5050	5000
			Molybdenum	<0.3	Ug/L	5050	5000
			Nickel	<0.3	Ug/L	5050	5000
			Titanium	<0.6	Ug/L	5050	5000
			Vanadium	0.5	Ug/L	5050	5000
			Zinc	<5.7	Ug/L	5050	5000
AO 2430.02	SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN	10-04-68 1150	Turbidity	4	JTU (E)	5050	5050
		11-08-68 1350	Turbidity	10	JTU (E)	5050	5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
AO 2430.02	SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN (Continued)	12-06-68 1230	Turbidity	10	JTU (E)	5050	5050
		01-10-69 1330	Turbidity	65	JTU (E)	5050	5050
		02-07-69 1250	Turbidity	150	JTU (E)	5050	5050
		03-06-69 1535	Turbidity	100	JTU (E)	5050	5050
		04-09-69 1005	Turbidity	70	JTU (E)	5050	5050
		05-07-69 1245	Turbidity	25	JTU (E)	5050	5050
			Aluminum	80	Ug/L	5050	5000
			Arsenic	0.00	Mg/L	5050	5050
			Beryllium	<0.6	Ug/L	5050	5000
			Bismuth	<0.3	Ug/L	5050	5000
			Cadmium	<1.4	Ug/L	5050	5000
			Chromium	<1.4	Ug/L	5050	5000
			Cobalt	<1.4	Ug/L	5050	5000
			Copper	<1.4	Ug/L	5050	5000
			Gallium	<5.7	Ug/L	5050	5000
			Germanium	<0.3	Ug/L	5050	5000
			Iron	46	Ug/L	5050	5000
			Lead	<1.4	Ug/L	5050	5000
			Manganese	<1.4	Ug/L	5050	5000
			Molybdenum	<0.3	Ug/L	5050	5000
			Nickel	1.4	Ug/L	5050	5000
			Titanium	2.7	Ug/L	5050	5000
			Vanadium	2.0	Ug/L	5050	5000
			Zinc	<5.7	Ug/L	5050	5000
		06-09-69 1145	Turbidity	18	JTU (E)	5050	5050
		07-07-69 1240	Turbidity	50	JTU (E)	5050	5050
		08-04-69 1410	Turbidity	25	JTU (E)	5050	5050
		09-02-69 1025	Turbidity	12	JTU (E)	5050	5050
			Aluminum	80	Ug/L	5050	5000
			Arsenic	0.00	Mg/L	5050	5050
			Beryllium	<0.6	Mg/L	5050	5000
			Bismuth	<0.3	Ug/L	5050	5000
			Cadmium	<1.4	Ug/L	5050	5000
			Chromium	<1.4	Ug/L	5050	5000
			Cobalt	<1.4	Ug/L	5050	5000
			Copper	<1.4	Ug/L	5050	5000
			Gallium	<5.7	Ug/L	5050	5000
			Germanium	<0.3	Ug/L	5050	5000
			Iron	29	Ug/L	5050	5000
			Lead	<1.4	Ug/L	5050	5000
			Manganese	2.6	Ug/L	5050	5000
			Molybdenum	<0.3	Ug/L	5050	5000
			Nickel	2.9	Ug/L	5050	5000
			Titanium	<0.6	Ug/L	5050	5000
			Vanadium	2.2	Ug/L	5050	5000
			Zinc	<5.7	Ug/L	5050	5000
AO 2500.00	SACRAMENTO RIVER AT BUTTE CITY	10-03-68 1430	Turbidity	2	JTU (E)	5050	5050
		11-07-68 1540	Turbidity	6	JTU (E)	5050	5050
		01-09-69 1620	Turbidity	40	JTU (E)	5050	5050
		03-07-69 1710	Turbidity	50	JTU (E)	5050	5050
		05-08-69 1545	Turbidity	55	JTU (E)	5050	5050
		07-07-69 0800	Turbidity	15	JTU (E)	5050	5050
		09-03-69 1425	Turbidity	7	JTU (E)	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	10-03-68 1040	Turbidity	3	JTU (E)	5050	5050
		11-07-68 1135	Turbidity	5	JTU (E)	5050	5050
		01-09-69 1230	Turbidity	35	JTU (E)	5050	5050
		03-07-69 1215	Turbidity	45	JTU (E)	5050	5050
		05-08-69 1020	Turbidity	35	JTU (E)	5050	5050
			Aluminum	31	Ug/L	5050	5000
			Beryllium	<0.6	Ug/L	5050	5000
			Bismuth	<0.3	Ug/L	5050	5000
			Cadmium	<1.4	Ug/L	5050	5000
			Chromium	<1.4	Ug/L	5050	5000
			Cobalt	<1.4	Ug/L	5050	5000
			Copper	<1.4	Ug/L	5050	5000
			Gallium	<5.7	Ug/L	5050	5000
			Germanium	<0.3	Ug/L	5050	5000
			Iron	16	Ug/L	5050	5000
			Lead	<1.4	Ug/L	5050	5000
			Manganese	<1.4	Ug/L	5050	5000
			Molybdenum	<0.3	Ug/L	5050	5000
			Nickel	1.3	Ug/L	5050	5000
			Titanium	1.3	Ug/L	5050	5000
			Vanadium	1.5	Ug/L	5050	5000
			Zinc	<5.7	Ug/L	5050	5000
		07-08-69 1100	Turbidity	12	JTU (E)	5050	5050
		09-03-69 1045	Turbidity	7	JTU (E)	5050	5050
			Aluminum	60	Ug/L	5050	5000
			Beryllium	<0.6	Ug/L	5050	5000
			Bismuth	<0.3	Ug/L	5050	5000
			Cadmium	<1.4	Ug/L	5050	5000
			Chromium	<1.4	Ug/L	5050	5000
			Cobalt	<1.4	Ug/L	5050	5000
			Copper	<1.4	Ug/L	5050	5000
			Gallium	<5.7	Ug/L	5050	5000
			Germanium	<0.3	Ug/L	5050	5000
			Iron	23	Ug/L	5050	5000
			Lead	<1.4	Ug/L	5050	5000
			Manganese	<1.4	Ug/L	5050	5000
			Molybdenum	<0.3	Ug/L	5050	5000
			Nickel	2.9	Ug/L	5050	5000
			Titanium	<0.6	Ug/L	5050	5000
			Vanadium	2.6	Ug/L	5050	5000
			Zinc	<5.7	Ug/L	5050	5000
AO 2785.00	SACRAMENTO RIVER AT BEND	10-07-68 1300	Turbidity	2	JTU (E)	5050	5050
			Phosphate	0.02	Mg/L	5050	5050
		11-06-68 1330	Turbidity	6	JTU (E)	5050	5050
			Phosphate	0.01	Mg/L		
		01-03-69 0850	Turbidity	180	JTU (E)	5050	5050
			Phosphate	0.09	Mg/L	5050	5050
		03-03-69 0840	Turbidity	70	JTU (E)	5050	5050
			Phosphate	0.02	Mg/L	5050	5050
		05-01-69 1050	Turbidity	20	JTU (E)	5050	5050
			Aluminum	40	Ug/L	5050	5000
			Beryllium	<0.6	Ug/L	5050	5000
			Bismuth	<0.3	Ug/L	5050	5000
			Cadmium	<1.4	Ug/L	5050	5000
			Chromium	<1.4	Ug/L	5050	5000
			Cobalt	<1.4	Ug/L	5050	5000
			Copper	<1.4	Ug/L	5050	5000
			Gallium	<5.7	Ug/L	5050	5000
			Germanium	<0.3	Ug/L	5050	5000
			Iron	17	Ug/L	5050	5000
			Lead	<1.4	Ug/L	5050	5000
			Manganese	<1.4	Ug/L	5050	5000
			Molybdenum	<0.3	Ug/L	5050	5000
			Nickel	1.1	Ug/L	5050	5000
			Phosphate	0.04	Mg/L	5050	5050
			Titanium	<0.6	Ug/L	5050	5000
			Vanadium	0.9	Ug/L	5050	5000
			Zinc	<5.7	Ug/L	5050	5000

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
AO 2785.00	SACRAMENTO RIVER AT BEND (Continued)	07-02-69 0830	Turbidity	7	JTU (E)	5050	5050
			Phosphate	0.00	Mg/L	5050	5050
		09-03-69 0800	Turbidity	8	JTU (E)	5050	5050
			Aluminum	16	Ug/L	5050	5000
			Beryllium	<0.6	Ug/L	5050	5000
			Bismuth	<0.3	Ug/L	5050	5000
			Cadmium	<1.4	Ug/L	5050	5000
			Chromium	<1.4	Ug/L	5050	5000
			Cobalt	<1.4	Ug/L	5050	5000
			Copper	<1.4	Ug/L	5050	5000
			Gallium	<5.7	Ug/L	5050	5000
			Germanium	<0.3	Ug/L	5050	5000
			Iron	29	Ug/L	5050	5000
			Lead	<1.4	Ug/L	5050	5000
			Manganese	<1.4	Ug/L	5050	5000
			Molybdenum	<0.3	Ug/L	5050	5000
			Nickel	<0.3	Ug/L	5050	5000
			Titanium	<0.6	Ug/L	5050	5000
			Vanadium	0.6	Ug/L	5050	5000
			Zinc	<5.7	Ug/L	5050	5000
AO 2925.00	SACRAMENTO SLOUGH NEAR KNIGHTS LANDING	10-04-68 1400	Turbidity	45	JTU (E)	5050	5050
		11-08-68 1520	Turbidity	60	JTU (E)	5050	5050
		12-06-68 1420	Turbidity	25	JTU (E)	5050	5050
		05-07-69 1415	Turbidity	140	JTU (E)	5050	5050
		06-09-69 1420	Turbidity	70	JTU (E)	5050	5050
		07-07-69 1425	Turbidity	110	JTU (E)	5050	5050
		08-04-69 1430	Turbidity	45	JTU (E)	5050	5050
		09-02-69 0935	Turbidity	39	JTU (E)	5050	5050
			Arsenic	0.00	Mg/L	5050	5050
AO 2947.10	COLUSA BASIN DRAIN NEAR KNIGHTS LANDING	10-04-68 0955	Turbidity	150	JTU (E)	5050	5050
		11-08-68 1215	Turbidity	218	JTU (E)	5050	5050
		12-06-68 1120	Turbidity	45	JTU (E)	5050	5050
		01-10-69 1150	Turbidity	55	JTU (E)	5050	5050
		02-07-69 1035	Turbidity	600	JTU (E)	5050	5050
		03-06-69 1315	Turbidity	240	JTU (E)	5050	5050
		04-09-69 1210	Turbidity	90	JTU (E)	5050	5050
		05-07-69 1120	Turbidity	180	JTU (E)	5050	5050
		06-09-69 1305	Turbidity	130	JTU (E)	5050	5050
		07-07-69 1135	Turbidity	400	JTU (E)	5050	5050
		08-04-69 1425	Turbidity	80	JTU (E)	5050	5050
		09-02-69 1100	Turbidity	114	JTU (E)	5050	5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
AO 2976.00	COLUSA BASIN DRAIN NEAR COLUSA	10-04-68 0830	Turbidity	160	JTU (E)	5050	5050
		11-08-68 0915	Turbidity	500	JTU (E)	5050	5050
		12-06-68 0915	Turbidity	25	JTU (E)	5050	5050
		01-10-69 0950	Turbidity	30	JTU (E)	5050	5050
		02-07-69 0840	Turbidity	650	JTU (E)	5050	5050
		03-06-69 1035	Turbidity	170	JTU (E)	5050	5050
		04-09-69 1435	Turbidity	45	JTU (E)	5050	5050
		05-07-69 1005	Turbidity	160	JTU (E)	5050	5050
		06-09-69 0920	Turbidity	80	JTU (E)	5050	5050
		07-07-69 0920	Turbidity	160	JTU (E)	5050	5050
		08-05-69 0925	Turbidity	130	JTU (E)	5050	5050
		09-02-69 1510	Turbidity	68	JTU (E)	5050	5050
AO 3200.00	THOMES CREEK AT RICHFIELD	01-03-69 1155	Turbidity	30	JTU (E)	5050	5050
		04-30-69 1405	Turbidity	260	JTU (E)	5050	5050
AO 3320.00	ELDER CREEK AT GERBER	01-03-69 1125	Turbidity	13	JTU (E)	5050	5050
		03-03-69 1050	Turbidity	70	JTU (E)	5050	5050
		04-30-69 1005	Turbidity	560	JTU (E)	5050	5050
		07-03-69 0940	Turbidity	6	JTU (E)	5050	5050
AO 3460.00	RED BANK CREEK NEAR RED BLUFF	01-03-69 1505	Turbidity	35	JTU (E)	5050	5050
		03-03-69 1330	Turbidity	55	JTU (E)	5050	5050
		04-30-69 1145	Turbidity	4	JTU (E)	5050	5050
AO 3520.00	COTTONWOOD CREEK NEAR COTTONWOOD	10-07-68 1345	Turbidity	3	JTU (E)	5050	5050
		11-06-68 1115	Turbidity	9	JTU (E)	5050	5050
		12-05-68 1315	Turbidity	3	JTU (E)	5050	5050
		01-06-69 1040	Turbidity	240	JTU (E)	5050	5050
		02-03-69 1145	Turbidity	45	JTU (E)	5050	5050
		03-04-69 0945	Turbidity	45	JTU (E)	5050	5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
A0 3520.00	COTTONWOOD CREEK NEAR COTTONWOOD (Continued)	04-01-69 1130	Turbidity	140	JTU (E)	5050	5050
		05-01-69 1125	Turbidity	20	JTU (E)	5050	5050
			Arsenic	0.00	Mg/L	5050	5050
		06-02-69 0835	Turbidity	4	JTU (E)	5050	5050
		07-02-69 0950	Turbidity	4	JTU (E)	5050	5050
		08-11-69 1040	Turbidity	7	JTU (E)	5050	5050
		09-03-69 0945	Turbidity	1	JTU (E)	5050	5050
			Arsenic	0.00	Mg/L	5050	5050
A0 3540.00	COTTONWOOD CREEK BELOW NORTH FORK COTTONWOOD CREEK	11-06-68 1045	Turbidity	7	JTU (E)	5050	5050
		01-06-69 1125	Turbidity	180	JTU (E)	5050	5050
		03-04-69 1055	Turbidity	45	JTU (E)	5050	5050
		05-02-69 0920	Turbidity	6	JTU (E)	5050	5050
		07-02-69 1200	Turbidity	6	JTU (E)	5050	5050
		09-03-69 1135	Turbidity	4	JTU (E)	5050	5050
A0 3595.00	COTTONWOOD CREEK, SOUTH FORK, ABOVE COTTONWOOD CREEK	11-06-68 1210	Turbidity	2	JTU (E)	5050	5050
		01-06-69 1005	Turbidity	280	JTU (E)	5050	5050
		03-04-69 0910	Turbidity	50	JTU (E)	5050	5050
		05-02-69 0800	Turbidity	25	JTU (E)	5050	5050
		07-02-69 1030	Turbidity	5	JTU (E)	5050	5050
		09-03-69 0905	Turbidity	3	JTU (E)	5050	5050
A0 4520.00	ANTELOPE CREEK NEAR MOUTH NEAR RED BLUFF	01-03-69 1020	Turbidity	6	JTU (E)	5050	5050
		04-30-69 0910	Turbidity	5	JTU (E)	5050	5050
			Arsenic	0.01	Mg/L	5050	5050
		09-04-69 0925	Turbidity	10	JTU (E)	5050	5050
			Arsenic	0.01	Mg/L	5050	5050
A0 5103.00	FEATHER RIVER AT NICOLAUS	11-06-68 1100	Turbidity	8	JTU (F)	5050	5050
		07-09-69 1040	Turbidity	4	JTU (F)	5050	5050
			Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.00	Mg/L	5050	5050
			Iron (Dissolved)	0.00	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Manganese	0.00	Mg/L	5050	5050
			Phenol	0.000	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.00	Mg/L	5050	5050
		08-06-69 1200	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.00	Mg/L	5050	5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
AO 5165.00	FEATHER RIVER NEAR GRIDLEY (Continued)	08-06-69 1005	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.00	Mg/L	5050	5050
			Iron (Dissolved)	0.00	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Manganese	0.00	Mg/L	5050	5050
			Phenol	0.000	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.00	Mg/L	5050	5050
		09-03-69 0840	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.00	Mg/L	5050	5050
			Iron (Total)	0.05	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Manganese	0.00	Mg/L	5050	5050
			Phenol	0.000	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.00	Mg/L	5050	5050
AO 5660.00	JACK SLOUGH AT MARYSVILLE	03-05-69 1030	Turbidity	70	JTU (E)	5050	5050
		08-21-69 0945	Turbidity	85	JTU (E)	5050	5050
AO 5710.01	NORTH HONCUT CREEK AT HIGHWAY 70 NEAR HONCUT	03-26-69 1300	Turbidity	35	JTU (E)	5050	5050
		09-03-69 1300	Turbidity	220	JTU (E)	5050	5050
AO 6120.00	YUBA RIVER AT MARYSVILLE	10-02-68 0700	Turbidity	5	JTU (E)	5050	5050
		01-23-69 1320	Turbidity	310	JTU (E)	5050	5050
		09-03-69 1100	Turbidity	6	JTU (E)	5050	5050
AO 6300.00	YUBA RIVER AT PARKS BAR BRIDGE	04-10-69 1530	Turbidity	40	JTU (E)	5050	5050
		09-05-69 0720	Turbidity	6	JTU (E)	5050	5050
AO 6550.00	BEAR RIVER NEAR WHEATLAND	10-02-68 0600	Turbidity	45	JTU (E)	5050	5050
		11-07-68 1400	Turbidity	3	JTU (E)	5050	5050
		12-13-68 1040	Turbidity	2	JTU (E)	5050	5050
		01-17-69 1400	Turbidity	10	JTU (E)	5050	5050
		02-05-69 1245	Turbidity	450	JTU (E)	5050	5050
		03-05-69 0945	Turbidity	130	JTU (E)	5050	5050
		04-01-69 1230	Turbidity	40	JTU (E)	5050	5050
		05-09-69 0945	Turbidity	5	JTU (E)	5050	5050
		06-18-69 1230	Turbidity	2	JTU (E)	5050	5050
		07-01-69 1345	Turbidity	15	JTU (E)	5050	5050
		08-07-69 1220	Turbidity	6	JTU (E)	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)	08-06-69 1005	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.00	Mg/L	5050	5050
			Iron (Dissolved)	0.00	Mg/L	5050	5050
			Lesd	0.00	Mg/L	5050	5050
			Manganese	0.00	Mg/L	5050	5050
			Phenol	0.000	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.00	Mg/L	5050	5050
		09-03-69 0840	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.00	Mg/L	5050	5050
			Iron (Total)	0.05	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Manganese	0.00	Mg/L	5050	5050
			Phenol	0.000	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.00	Mg/L	5050	5050
A0 5660.00	JACK SLOUGH AT MARYSVILLE	03-05-69 1030	Turbidity	70	JTU (E)	5050	5050
		08-21-69 0945	Turbidity	85	JTU (E)	5050	5050
A0 5710.01	NORTH HONCUT CREEK AT HIGHWAY 70 NEAR HONCUT	03-26-69 1300	Turbidity	35	JTU (E)	5050	5050
		09-03-69 1300	Turbidity	220	JTU (E)	5050	5050
A0 6120.00	YUBA RIVER AT MARYSVILLE	10-02-68 0700	Turbidity	5	JTU (E)	5050	5050
		01-23-69 1320	Turbidity	310	JTU (E)	5050	5050
		09-03-69 1100	Turbidity	6	JTU (E)	5050	5050
A0 6300.00	YUBA RIVER AT PARKS BAR BRIDGE NEAR SMARTSVILLE	04-10-69 1530	Turbidity	40	JTU (E)	5050	5050
		09-05-69 0720	Turbidity	6	JTU (E)	5050	5050
A0 6550.00	BEAR RIVER NEAR WHEATLAND	10-02-68 0600	Turbidity	45	JTU (E)	5050	5050
		11-07-68 1400	Turbidity	3	JTU (E)	5050	5050
		12-13-68 1040	Turbidity	2	JTU (E)	5050	5050
		01-17-69 1400	Turbidity	10	JTU (E)	5050	5050
		02-05-69 1245	Turbidity	450	JTU (E)	5050	5050
		03-05-69 0945	Turbidity	130	JTU (E)	5050	5050
		04-01-69 1230	Turbidity	40	JTU (E)	5050	5050
		05-09-69 0945	Turbidity	5	JTU (E)	5050	5050
		06-18-69 1230	Turbidity	2	JTU (E)	5050	5050
		07-01-69 1345	Turbidity	15	JTU (E)	5050	5050
		08-07-69 1220	Turbidity	6	JTU (E)	5050	5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
A0 7140.10	AMERICAN RIVER AT AMERICAN RIVER WATER PLANT AT SACRAMENTO	03-10-69 1545	Turbidity	30	JTU (E)	5050	5050
		08-15-69 1230	Turbidity	6	JTU (E)	5050	5050
A0 7175.00	AMERICAN RIVER AT FAIR OAKS	03-13-69 1230	Turbidity	45	JTU (E)	5050	5050
		06-05-69 --	Turbidity	3	JTU (E)	5050	5050
		08-14-69 1515	Turbidity	4	JTU (E)	5050	5050
A1 1020.00	PIT RIVER NEAR MONTGOMERY CREEK	10-08-68 0720	Turbidity	2	JTU (E)	5050	5050
		11-14-68 1630	Turbidity	6	JTU (E)	5050	5050
		01-21-69 1210	Turbidity	70	JTU (E)	5050	5050
		03-11-69 1025	Turbidity	20	JTU (E)	5050	5050
		05-13-69 1100	Turbidity	10	JTU (E)	5050	5050
			Arsenic	0.00	Mg/L	5050	5050
		07-08-69 1055	Turbidity	8	JTU (E)	5050	5050
		09-16-69 1250	Turbidity	1	JTU (E)	5050	5050
			Arsenic	0.00	Mg/L	5050	5050
A1 1680.00	PIT RIVER NEAR CANBY	10-08-68 1110	Turbidity	94	JTU (E)	5050	5050
		11-15-68 0950	Turbidity	45	JTU (E)	5050	5050
		12-11-68 1130	Turbidity	500	JTU (E)	5050	5050
		01-21-69 1510	Turbidity	550	JTU (E)	5050	5050
		02-18-69 1045	Turbidity	140	JTU (E)	5050	5050
		03-11-69 1250	Turbidity	85	JTU (E)	5050	5050
		04-09-69 1230	Turbidity	45	JTU (E)	5050	5050
		05-13-69 1330	Turbidity	50	JTU (E)	5050	5050
			Aluminum	286	Ug/L	5050	5000
			Arsenic	0.00	Mg/L	5050	5050
			Beryllium	<0.6	Ug/L	5050	5000
			Bismuth	<0.5	Ug/L	5050	5000
			Cadmium	<1.4	Ug/L	5050	5000
			Chromium	<1.4	Ug/L	5050	5000
			Cobalt	<1.4	Ug/L	5050	5000
			Copper	<1.4	Ug/L	5050	5000
			Gallium	<5.7	Ug/L	5050	5000
			Germanium	<0.6	Ug/L	5050	5000
			Iron	206	Ug/L	5050	5000
			Lead	<1.4	Ug/L	5050	5000
			Manganese	<1.4	Ug/L	5050	5000
			Molybdenum	<0.3	Ug/L	5050	5000
			Nickel	1.7	Ug/L	5050	5000
			Titanium	6.6	Ug/L	5050	5000
			Vanadium	5.7	Ug/L	5050	5000
			Zinc	<5.7	Ug/L	5050	5000
		06-19-69 1030	Turbidity	280	JTU (E)	5050	5050
		07-08-69 1330	Turbidity	40	JTU (E)	5050	5050
		08-13-69 1100	Turbidity	55	JTU (E)	5050	5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
A1 1680.00	PIT RIVER NEAR CANBY (Continued)	09-16-69 1505	Turbidity	39	JTU (E)	5050	5050
			Aluminum	183	Ug/L	5050	5000
			Arsenic	0.00	Mg/L	5050	5050
			Beryllium	<0.6	Ug/L	5050	5000
			Bismuth	<0.3	Ug/L	5050	5000
			Cadmium	<1.4	Ug/L	5050	5000
			Chromium	<1.4	Ug/L	5050	5000
			Cobalt	<1.4	Ug/L	5050	5000
			Copper	<1.4	Ug/L	5050	5000
			Gallium	<5.7	Ug/L	5050	5000
			Germanium	<0.3	Ug/L	5050	5000
			Iron	34	Ug/L	5050	5000
			Lead	<1.4	Ug/L	5050	5000
			Manganese	<1.4	Ug/L	5050	5000
			Molybdenum	<0.3	Ug/L	5050	5000
			Nickel	4.0	Ug/L	5050	5000
			Titanium	<0.6	Ug/L	5050	5000
			Vanadium	7.4	Ug/L	5050	5000
			Zinc	<5.7	Ug/L	5050	5000
A1 4400.00	PIT RIVER, SOUTH FORK, NEAR LIKELY	10-08-68 1230	Turbidity	20	JTU (E)	5050	5050
		11-15-68 1055	Turbidity	4	JTU (E)	5050	5050
		01-21-69 1630	Turbidity	75	JTU (E)	5050	5050
		05-13-69 1530	Turbidity	25	JTU (E)	5050	5050
			Arsenic	0.00	Mg/L	5050	5050
		09-16-69 1650	Turbidity	19	JTU (E)	5050	5050
			Arsenic	0.00	Mg/L	5050	5050
A2 1010.00	SACRAMENTO RIVER AT KESWICK	10-07-68 1500	Turbidity	2	JTU (E)	5050	5050
		11-06-68 0730	Turbidity	4	JTU (E)	5050	5050
		12-05-68 1410	Turbidity	4	JTU (E)	5050	5050
		01-06-69 1325	Turbidity	20	JTU (E)	5050	5050
		02-03-69 1245	Turbidity	70	JTU (E)	5050	5050
		04-01-69 1230	Turbidity	15	JTU (E)	5050	5050
		05-02-69 1105	Turbidity	11	JTU (E)	5050	5050
			Aluminum	63	Ug/L	5050	5000
			Beryllium	<0.6	Ug/L	5050	5000
			Bismuth	0.6	Ug/L	5050	5000
			Cadmium	<1.4	Ug/L	5050	5000
			Chromium	<1.5	Ug/L	5050	5000
			Cobalt	<1.4	Ug/L	5050	5000
			Copper	<1.4	Ug/L	5050	5000
			Gallium	<5.7	Ug/L	5050	5000
			Germanium	<0.3	Ug/L	5050	5000
			Iron	51	Ug/L	5050	5000
			Lead	<1.4	Ug/L	5050	5000
			Manganese	<1.4	Ug/L	5050	5000
			Molybdenum	<0.3	Ug/L	5050	5000
			Nickel	<0.3	Ug/L	5050	5000
			Titanium	3.7	Ug/L	5050	5000
			Vanadium	2.1	Ug/L	5050	5000
			Zinc	<5.7	Ug/L	5050	5000
		06-02-69 1035	Turbidity	10	JTU (E)	5050	5050
		07-02-69 1320	Turbidity	9	JTU (E)	5050	5050
		08-04-69 0700	Turbidity	10	JTU (E)	5050	5050
		09-02-69 0815	Turbidity	10	JTU (E)	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)	09-02-69 0815	Aluminum	100	Ug/L	5050	5000
			Beryllium	<0.6	Ug/L	5050	5000
			Bismuth	<0.3	Ug/L	5050	5000
			Cadmium	<1.4	Ug/L	5050	5000
			Chromium	<1.4	Ug/L	5050	5000
			Cobalt	<1.4	Ug/L	5050	5000
			Copper	<1.4	Ug/L	5050	5000
			Gallium	<5.7	Ug/L	5050	5000
			Germanium	<0.3	Ug/L	5050	5000
			Iron	26	Ug/L	5050	5000
			Lead	<1.4	Ug/L	5050	5000
			Manganese	<1.4	Ug/L	5050	5000
			Molybdenum	<0.3	Ug/L	5050	5000
			Nickel	2.3	Ug/L	5050	5000
			Titanium	<0.6	Ug/L	5050	5000
			Vanadium	21	Ug/L	5050	5000
			Zinc	<5.7	Ug/L	5050	5000
A2 1300.00	SACRAMENTO RIVER AT DELTA	10-09-68 1300	Turbidity	1	JTU (E)	5050	5050
		11-13-68 1005	Turbidity	40	JTU (E)	5050	5050
		12-10-68 0920	Turbidity	250	JTU (E)	5050	5050
		01-20-69 1040	Turbidity	35	JTU (E)	5050	5050
		02-17-69 0900	Turbidity	5	JTU (E)	5050	5050
		03-10-69 0855	Turbidity	2	JTU (E)	5050	5050
		04-08-69 1000	Turbidity	4	JTU (E)	5050	5050
		05-12-69 1000	Turbidity	70	JTU (E)	5050	5050
		06-09-69 1145	Turbidity	4	JTU (E)	5050	5050
		07-07-69 0955	Turbidity	4	JTU (E)	5050	5050
		08-12-69 1030	Turbidity	2	JTU (E)	5050	5050
A2 2150.00	MCCLOUD RIVER ABOVE SHASTA LAKE	10-09-68 1415	Turbidity	1	JTU (E)	5050	5050
		11-13-68 0850	Turbidity	4	JTU (E)	5050	5050
		12-10-68 0815	Turbidity	60	JTU (E)	5050	5050
		01-20-69 0915	Turbidity	180	JTU (E)	5050	5050
		04-08-69 0845	Turbidity	4	JTU (E)	5050	5050
		05-12-69 0900	Turbidity	50	JTU (E)	5050	5050
		06-09-69 1005	Turbidity	2	JTU (E)	5050	5050
		07-07-69 0840	Turbidity	4	JTU (E)	5050	5050
		08-12-69 0900	Turbidity	4	JTU (E)	5050	5050
		09-15-69 0920	Turbidity	3	JTU (E)	5050	5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
A3 1110.00	STONY CREEK BELOW BLACK BUTTE DAM	10-03-68 0845	Turbidity	40	JTU (E)	5050	5050
			Phosphate	0.16	Mg/L	5050	5050
		11-07-68 0950	Turbidity	45	JTU (E)	5050	5050
			Phosphate	0.04	Mg/L	5050	5050
		01-09-69 1110	Turbidity	55	JTU (E)	5050	5050
			Phosphate	0.09	Mg/L	5050	5050
		02-06-69 1235	Turbidity	700	JTU (E)	5050	5050
			Phosphate	0.04	Mg/L	5050	5050
		03-07-69 1105	Turbidity	210	JTU (E)	5050	5050
			Phosphate	0.00	Mg/L	5050	5050
		04-08-69 1505	Turbidity	20	JTU (E)	5050	5050
			Phosphate	0.04	Mg/L	5050	5050
		05-08-69 0940	Turbidity	4	JTU (E)	5050	5050
			Phosphate	0.04	Mg/L	5050	5050
		07-08-69 1000	Turbidity	12	JTU (E)	5050	5050
			Phosphate	0.02	Mg/L	5050	5050
		09-03-69 1000	Turbidity	100	JTU (E)	5050	5050
			Arsenic	0.00	Mg/L	5050	5050
A3 1250.00	STONY CREEK NEAR FRUTO	10-03-68 0735	Turbidity	120	JTU (E)	5050	5050
			Phosphate	0.06	Mg/L	5050	5050
		11-07-68 0850	Turbidity	8	JTU (E)	5050	5050
			Phosphate	0.02	Mg/L	5050	5050
		12-05-68 1050	Turbidity	3	JTU (E)	5050	5050
			Phosphate	0.17	Mg/L	5050	5050
		01-09-69 1000	Turbidity	180	JTU (E)	5050	5050
			Phosphate	0.12	Mg/L	5050	5050
		02-06-69 1120	Turbidity	330	JTU (E)	5050	5050
			Phosphate	0.05	Mg/L	5050	5050
		03-07-69 0955	Turbidity	130	JTU (E)	5050	5050
			Phosphate	0.00	Mg/L	5050	5050
		04-08-69 1330	Turbidity	120	JTU (E)	5050	5050
			Phosphate	0.25	Mg/L	5050	5050
		05-08-69 0750	Turbidity	80	JTU (E)	5050	5050
			Phosphate	0.12	Mg/L	5050	5050
		06-10-69 0935	Turbidity	7	JTU (E)	5050	5050
			Phosphate	0.02	Mg/L	5050	5050
		07-08-69 0815	Turbidity	80	JTU (E)	5050	5050
			Phosphate	0.02	Mg/L	5050	5050
		08-11-69 1335	Turbidity	95	JTU (E)	5050	5050
			Phosphate	0.03	Mg/L	5050	5050
		09-03-69 0900	Turbidity	120	JTU (E)	5050	5050
A3 1300.00	GRINDSTONE CREEK NEAR ELK CREEK	01-09-69	Turbidity	230	JTU (E)	5050	5050
			Phosphate	0.18	Mg/L	5050	5050
		03-07-69	Turbidity	140	JTU (E)	5050	5050
			Phosphate	0.00	Mg/L	5050	5050
		05-08-69	Turbidity	120	JTU (E)	5050	5050
			Phosphate	0.18	Mg/L	5050	5050
		07-08-69	Turbidity	6	JTU (E)	5050	5050
			Phosphate	0.01	Mg/L	5050	5050
		09-03-69	Turbidity	2	JTU (E)	5050	5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
A3 2120.00	THOMES CREEK NEAR PASKENTA	10-07-68 1140	Turbidity	1	JTU (E)	5050	5050
			Phosphate	0.00	Mg/L	5050	5050
		11-04-68 1400	Turbidity	4	JTU (E)	5050	5050
			Phosphate	0.03	Mg/L	5050	5050
		12-05-68 1025	Turbidity	2	JTU (E)	5050	5050
			Phosphate	0.02	Mg/L	5050	5050
		01-03-69 1310	Turbidity	40	JTU (E)	5050	5050
			Phosphate	0.15	Mg/L	5050	5050
		02-03-69 1015	Turbidity	120	JTU (E)	5050	5050
			Phosphate	0.00	Mg/L	5050	5050
		03-03-69 1210	Turbidity	90	JTU (E)	5050	5050
			Phosphate	0.03	Mg/L	5050	5050
		04-01-69 0945	Turbidity	250	JTU (E)	5050	5050
			Phosphate	1.16	Mg/L	5050	5050
		04-30-69 1300	Turbidity	95	JTU (E)	5050	5050
			Arsenic	0.00	Mg/L	5050	5050
			Phosphate	0.24	Mg/L	5050	5050
		06-03-69 1230	Turbidity	10	JTU (E)	5050	5050
			Phosphate	0.02	Mg/L	5050	5050
		07-03-69 1100	Turbidity	4	JTU (E)	5050	5050
			Phosphate	0.06	Mg/L	5050	5050
		08-11-69 1250	Turbidity	6	JTU (E)	5050	5050
			Phosphate	0.01	Mg/L	5050	5050
		09-04-69 1130	Turbidity	1	JTU (E)	5050	5050
			Arsenic	0.00	Mg/L	5050	5050
A3 3110.00	ELDER CREEK NEAR PASKENTA	01-03-69 1420	Turbidity	15	JTU (E)	5050	5050
		04-30-69 1215	Turbidity	50	JTU (E)	5050	5050
		09-04-69 1230	Turbidity	6	JTU (E)	5050	5050
A3 6130.00	CLEAR CREEK NEAR IGO	11-06-68 0830	Turbidity	4	JTU (E)	5050	5050
		01-06-69 1210	Turbidity	5	JTU (E)	5050	5050
		05-02-69 1010	Turbidity	2	JTU (E)	5050	5050
		09-03-69 1210	Turbidity	5	JTU (E)	5050	5050
A4 1110.00	BUTTE CREEK NEAR CHICO	10-03-68 1300	Turbidity	2	JTU (E)	5050	5050
		11-07-68 1420	Turbidity	2	JTU (E)	5050	5050
		01-09-69 1500	Turbidity	5	JTU (E)	5050	5050
		03-07-69 1515	Turbidity	4	JTU (E)	5050	5050
		05-08-69 1315	Turbidity	7	JTU (E)	5050	5050
		07-08-69 1405	Turbidity	6	JTU (E)	5050	5050
		09-03-69 1310	Turbidity	2	JTU (E)	5050	5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
A4 2110.00	BIG CHICO CREEK NEAR CHICO	10-03-68 1150	Turbidity	1	JTU (E)	5050	5050
		11-07-68 1335	Turbidity	2	JTU (E)	5050	5050
		01-09-69 1330	Turbidity	5	JTU (E)	5050	5050
		03-07-69 1340	Turbidity	4	JTU (E)	5050	5050
		05-08-69 1225	Turbidity	2	JTU (E)	5050	5050
		07-08-69 1300	Turbidity	4	JTU (E)	5050	5050
		09-03-69 1205	Turbidity	2	JTU (E)	5050	5050
A4 4110.00	MILL CREEK NEAR LOS MOLINOS	10-07-68 0940	Turbidity	1	JTU (E)	5050	5050
		11-04-68 1215	Turbidity	20	JTU (E)	5050	5050
		01-03-69 1045	Turbidity	4	JTU (E)	5050	5050
		03-03-69 1000	Turbidity	4	JTU (E)	5050	5050
		04-30-69 0925	Turbidity Arsenic	9 0.02	JTU (E) Mg/L	5050 5050	5050 5050
		07-03-69 0910	Turbidity	12	JTU (E)	5050	5050
		09-04-69 0955	Turbidity Arsenic	1 0.02	JTU (E) Mg/L	5050 5050	5050 5050
A4 5110.50	ANTELOPE CREEK NEAR RED BLUFF	11-04-68 1145	Turbidity	10	JTU (E)	5050	5050
		01-03-69 0950	Turbidity	2	JTU (E)	5050	5050
		04-30-69 0820	Turbidity	4	JTU (E)	5050	5050
		09-04-69 0845	Turbidity	4	JTU (E)	5050	5050
A4 7110.00	BATTLE CREEK NEAR COTTONWOOD	11-04-68 1600	Turbidity	8	JTU (E)	5050	5050
		01-06-69 1510	Turbidity	15	JTU (E)	5050	5050
		05-01-69 1210	Turbidity	7	JTU (E)	5050	5050
		09-03-69 1030	Turbidity	8	JTU (E)	5050	5050
A4 8110.00	COW CREEK NEAR MILLVILLE	11-06-68 1000	Turbidity	4	JTU (E)	5050	5050
		01-06-69 1430	Turbidity	20	JTU (E)	5050	5050
		05-02-69 1220	Turbidity	7	JTU (E)	5050	5050
		09-03-69 1330	Turbidity	20	JTU (E)	5050	5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
A5 2250.00	FEATHER RIVER, WEST BRANCH, NEAR PARADISE	03-27-69 1000	Turbidity	10	JTU (E)	5050	5050
		09-04-69 1250	Turbidity	3	JTU (E)	5050	5050
A5 3151.01	FEATHER RIVER, NORTH FORK, ABOVE POE DAM	03-27-69 0810	Turbidity	80	JTU (E)	5050	5050
		09-04-69 1430	Turbidity	12	JTU (E)	5050	5050
A5 3375.00	FEATHER RIVER, NORTH FORK, AT GANSNER BAR	09-03-69 2050	Aluminum	<1.4	Ug/L	5050	5000
			Beryllium	<0.6	Ug/L	5050	5000
			Bismuth	<0.3	Ug/L	5050	5000
			Cadmium	<1.4	Ug/L	5050	5000
			Chromium	<1.4	Ug/L	5050	5000
			Cobalt	<1.4	Ug/L	5050	5000
			Copper	<1.4	Ug/L	5050	5000
			Gallium	<5.7	Ug/L	5050	5000
			Germanium	<0.6	Ug/L	5050	5000
			Iron	6.3	Ug/L	5050	5000
			Lead	<1.4	Ug/L	5050	5000
			Manganese	<1.4	Ug/L	5050	5000
			Molybdenum	<0.3	Ug/L	5050	5000
			Nickel	<0.3	Ug/L	5050	5000
			Titanium	<0.6	Ug/L	5050	5000
			Vanadium	0.4	Ug/L	5050	5000
			Zinc	<5.7	Ug/L	5050	5000
A5 3670.01	HAMILTON BRANCH AT LAKE ALMANOR	09-02-69 1745	Aluminum	<1.4	Ug/L	5050	5000
			Beryllium	<0.6	Ug/L	5050	5000
			Bismuth	<0.3	Ug/L	5050	5000
			Cadmium	<1.4	Ug/L	5050	5000
			Chromium	<1.4	Ug/L	5050	5000
			Cobalt	<1.4	Ug/L	5050	5000
			Copper	<1.4	Ug/L	5050	5000
			Gallium	<5.7	Ug/L	5050	5000
			Germanium	<0.3	Ug/L	5050	5000
			Iron	6.3	Ug/L	5050	5000
			Lead	<1.4	Ug/L	5050	5000
			Manganese	<1.4	Ug/L	5050	5000
			Molybdenum	<0.3	Ug/L	5050	5000
			Nickel	2.4	Ug/L	5050	5000
			Titanium	<0.6	Ug/L	5050	5000
			Vanadium	1.5	Ug/L	5050	5000
			Zinc	<5.7	Ug/L	5050	5000
A5 3721.01	FEATHER RIVER, NORTH FORK, BELOW ALMANOR RAILROAD BRIDGE AT CHESTER	09-02-69 1645	Aluminum	2.9	Ug/L	5050	5000
			Beryllium	<0.6	Ug/L	5050	5000
			Bismuth	0.5	Ug/L	5050	5000
			Cadmium	<1.4	Ug/L	5050	5000
			Cobalt	<1.4	Ug/L	5050	5000
			Copper	<1.4	Ug/L	5050	5000
			Gallium	<5.7	Ug/L	5050	5000
			Germanium	<0.3	Ug/L	5050	5000
			Iron	140	Ug/L	5050	5000
			Lead	<1.4	Ug/L	5050	5000
			Manganese	<1.4	Ug/L	5050	5000
			Molybdenum	<0.3	Ug/L	5050	5000
			Nickel	<0.3	Ug/L	5050	5000
			Titanium	<0.6	Ug/L	5050	5000
			Vanadium	2.3	Ug/L	5050	5000
			Zinc	<5.7	Ug/L	5050	5000
A5 4320.00	INDIAN CREEK NEAR CRESCENT MILLS	04-16-69 1530	Turbidity	45	JTU (E)	5050	5050
		09-09-69 1245	Turbidity	10	JTU (E)	5050	5050
A5 5100.00	FEATHER RIVER, MIDDLE FORK, NEAR MERRIMAC	03-26-69 1500	Turbidity	120	JTU (E)	5050	5050
		09-04-69 0830	Turbidity	4	JTU (E)	5050	5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
A5 5250.00	FEATHER RIVER, MIDDLE FORK, AT SLOAT	04-16-69 1700	Turbidity	20	JTU (E)	5050	5050
		09-09-69 1100	Turbidity	5	JTU (E)	5050	5050
A5 5480.00	BIG GRIZZLY CREEK NEAR PORTOLA	04-17-69 1000	Turbidity	15	JTU (E)	5050	5050
		09-09-69 1010	Turbidity	25	JTU (E)	5050	5050
A5 5525.00	LITTLE LAST CHANCE CREEK BELOW FRENCHMAN DAM	04-17-69 1300	Turbidity	11	JTU (E)	5050	5050
		09-09-69 0815	Turbidity	20	JTU (E)	5050	5050
A5 6925.80	FEATHER RIVER, SOUTH FORK, AT MINERS RANCH DITCH DIVERSION	03-26-69 1700	Turbidity	35	JTU (E)	5050	5050
		09-04-69 1045	Turbidity	4	JTU (E)	5050	5050
A6 1250.00	DEER CREEK NEAR SMARTSVILLE	04-10-69 1445	Turbidity	10	JTU (E)	5050	5050
		09-05-69 0800	Turbidity	35	JTU (E)	5050	5050
A6 2270.00	YUBA RIVER, NORTH, BELOW GOODYEARS BAR	04-10-69 1300	Turbidity	2	JTU (E)	5050	5050
		09-05-69 1100	Turbidity	4	JTU (E)	5050	5050
A6 3240.00	YUBA RIVER, MIDDLE, ABOVE OREGON CREEK	04-10-69 1215	Turbidity	3	JTU (E)	5050	5050
		09-05-69 1015	Turbidity	3	JTU (E)	5050	5050
A6 4150.00	YUBA RIVER, SOUTH, AT JONES BAR	04-10-69 1130	Turbidity	25	JTU (E)	5050	5050
		09-05-69 0905	Turbidity	4	JTU (E)	5050	5050
A7 L 854.2 036.2	LAKE EDSON AT SPILLWAY NEAR GEORGETOWN	06-05-69 1620	Turbidity	2	JTU (E)	5050	5050
A7 R 903.6 024.7	HELL HOLE RESERVOIR AT BOAT RAMP	06-05-69 0845	Turbidity	3	JTU (E)	5050	5050
A7 R 906.8 028.2	FRENCH MEADOWS RESERVOIR AT SPILLWAY	06-05-69 0945	Turbidity	1	JTU (E)	5050	5050
A7 1114.01	WILLOW CREEK AT NATOMA	06-05-69 --	Turbidity	7	JTU (E)	5050	5050
A7 2155.01	KNICKERBOCKER CREEK AT MOUTH NEAR COOL	06-06-69 1200	Turbidity	2	JTU (E)	5050	5050
A7 2160.01	AMERICAN RIVER, NORTH FORK, AT AUBURN DAMSITE	06-05-69 1300	Turbidity	1	JTU (E)	5050	5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
A7 2250.01	AMERICAN RIVER, NORTH FORK, AT PONDEROSA BRIDGE NEAR APPLEGATE	06-06-69 0910	Turbidity	2	JTU (E)	5050	5050
A7 2260.01	OWL CREEK AT GREYEAGLE NEAR FORESTHILL	06-05-69 1415	Turbidity	3	JTU (E)	5050	5050
A7 2320.01	BUNCH CANYON CREEK NEAR COLFAX	06-06-69 0950	Turbidity	2	JTU (E)	5050	5050
A7 2350.00	AMERICAN RIVER, NORTH FORK, NEAR COLFAX	06-05-69 1315	Turbidity	2	JTU (E)	5050	5050
A7 2358.01	SHIRTTAIL CANYON CREEK ABOVE DEVILS CANYON CREEK	06-05-69 1340	Turbidity	2	JTU (E)	5050	5050
A7 2485.01	INDIAN CREEK AT IOWA HILL	06-04-69 0915	Turbidity	1	JTU (E)	5050	5050
A7 2500.01	AMERICAN RIVER, NORTH FORK, AT COLFAX	06-04-69 1220	Turbidity	3	JTU (E)	5050	5050
A7 2555.01	CANYON CREEK AT GOLD RUN	06-04-69 1220	Turbidity	4	JTU (E)	5050	5050
A7 2605.01	BLUE CANYON CREEK AT MOUTH NEAR BAXTER	06-05-69 1415	Turbidity	1	JTU (E)	5050	5050
A7 2620.01	AMERICAN RIVER, NORTH FORK OF NORTH FORK, ABOVE BLUE CANYON CREEK	06-04-69 1420	Turbidity	1	JTU (E)	5050	5050
A7 2627.01	FULDA CREEK NEAR BLUE CANYON	06-05-69 1010	Turbidity	1	JTU (E)	5050	5050
A7 2650.01	AMERICAN RIVER, EAST FORK OF NORTH FORK OF NORTH FORK, AT TUNNEL MILL CAMPGROUND	06-05-69 1005	Turbidity	1	JTU (E)	5050	5050
A7 2672.01	AMERICAN RIVER, NORTH FORK OF NORTH FORK, NEAR EMIGRANT GAP	06-05-69 1040	Turbidity	1	JTU (E)	5050	5050
A7 3100.00	AMERICAN RIVER, MIDDLE FORK, NEAR AUBURN	04-02-69 1545	Turbidity	5	JTU (E)	5050	5050
A7 3165.01	GAS CANYON CREEK AT MOUTH NEAR GEORGETOWN	06-04-69 0820	Turbidity	1	JTU (E)	5050	5050
A7 3175.01	AMERICAN RIVER, MIDDLE FORK, AT GREENWOOD BRIDGE NEAR GREENWOOD	06-04-69 0845	Turbidity	2	JTU (E)	5050	5050
A7 3180.01	TODD CREEK AT MOUTH NEAR GEORGETOWN	06-04-69 0920	Turbidity	1	JTU (E)	5050	5050
A7 3252.05	VOLCANO CANYON AT MOSQUITO RIDGE ROAD NEAR FORESTHILL	06-04-69 1125	Turbidity	1	JTU (E)	5050	5050
A7 3280.00	AMERICAN RIVER, NORTH FORK OF MIDDLE FORK, NEAR FORESTHILL	06-04-69 1205	Turbidity	2	JTU (E)	5050	5050
A7 3800.10	AMERICAN RIVER, MIDDLE FORK, BELOW FRENCH MEADOWS DAM	06-05-69 1005	Turbidity	3	JTU (E)	5050	5050
A7 4100.10	WEBER CREEK NEAR SALMON FALLS	06-06-69 --	Turbidity	2	JTU (E)	5050	5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
A7 4150.00	AMERICAN RIVER, SOUTH FORK, NEAR LOTUS	04-02-69 1500	Turbidity	5	JTU (E)	5050	5050
A7 4490.01	AMERICAN RIVER, SOUTH FORK, AT RIVERTON	06-06-69 --	Turbidity	3	JTU (E)	5050	5050
A7 5050.01	RUBICON RIVER BELOW RALSTON POWERHOUSE NEAR FORESTHILL	06-04-69 1405	Turbidity	2	JTU (E)	5050	5050
A7 5200.00	PILOT CREEK NEAR GEORGETOWN	06-05-69 1640	Turbidity	2	JTU (E)	5050	5050
A7 5310.00	RUBICON RIVER BELOW HELL HOLE DAM	06-05-69 0740	Turbidity	1	JTU (E)	5050	5050
A8 L 857.0 239.6	CLEAR LAKE NEAR CLEARLAKE HIGHLANDS	11-20-68 1330	Turbidity	10	JTU (E)	5050	5050
			Phosphate	0.04	Mg/L	5050	5050
		12-05-68 1000	Turbidity	15	JTU (E)	5050	5050
			Phosphate	0.18	Mg/L	5050	5050
A8 L 902.7 254.7	CLEAR LAKE AT LAKEPORT	10-03-68 1310	Turbidity	35	JTU (E)	5050	5050
			Phosphate	0.24	Mg/L	5050	5050
		11-20-68 1120	Turbidity	60	JTU (E)	5050	5050
			Phosphate	0.14	Mg/L	5050	5050
		12-05-68 0830	Turbidity	55	JTU (E)	5050	5050
			Phosphate	0.18	Mg/L	5050	5050
		01-23-69 1430	Turbidity	150	JTU (E)	5050	5050
			Phosphate	0.10	Mg/L	5050	5050
		02-19-69 1740	Turbidity	80	JTU (E)	5050	5050
			Phosphate	0.12	Mg/L	5050	5050
		03-12-69 1655	Turbidity	100	JTU (E)	5050	5050
			Phosphate	0.08	Mg/L	5050	5050
		04-10-69 0815	Turbidity	50	JTU (E)	5050	5050
			Phosphate	0.16	Mg/L	5050	5050
		05-15-69 0745	Turbidity	20	JTU (E)	5050	5050
			Arsenic	0.00	Mg/L	5050	5050
			Phosphate	0.07	Mg/L	5050	5050
		06-12-69 0900	Turbidity	15	JTU (E)	5050	5050
			Phosphate	0.05	Mg/L	5050	5050
		07-17-69 1100	Turbidity	10	JTU (E)	5050	5050
			Phosphate	0.06	Mg/L	5050	5050
		08-07-69 0810	Turbidity	15	JTU (E)	5050	5050
			Phosphate	0.15	Mg/L	5050	5050
		09-11-69 1130	Turbidity	26	JTU (E)	5050	5050
			Arsenic	0.00	Mg/L	5050	5050
A8 1120.00	CACHE CREEK NEAR CAPAY	10-09-68 0900	Turbidity	15	JTU (E)	5050	5050
		03-06-69 1300	Turbidity	450	JTU (E)	5050	5050
		09-17-69 1330	Turbidity	15	JTU (E)	5050	5050
A8 1250.00	BEAR CREEK NEAR RUMSEY	12-16-68 1450	Turbidity	180	JTU (E)	5050	5050
			Phosphate	0.04	Mg/L	5050	5050
		01-23-69 1640	Turbidity	75	JTU (E)	5050	5050
		02-20-69 1100	Turbidity	35	JTU (E)	5050	5050
			Phosphate	0.02	Mg/L	5050	5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
A8 1250.00	BEAR CREEK NEAR RUMSEY (Continued)	03-13-69	Turbidity	35	JTU (E)	5050	5050
		0820	Phosphate	0.02	Mg/L	5050	5050
		04-10-69	Turbidity	4	JTU (E)	5050	5050
		1100	Phosphate	0.05	Mg/L	5050	5050
		05-15-69	Turbidity	3	JTU (E)	5050	5050
		1045	Arsenic	0.01	Mg/L	5050	5050
			Phosphate	0.01	Mg/L	5050	5050
		06-12-69	Turbidity	4	JTU (E)	5050	5050
		1140	Phosphate	0.00	Mg/L	5050	5050
		07-17-69	Turbidity	10	JTU (E)	5050	5050
		1400	Phosphate	0.03	Mg/L	5050	5050
		08-07-69	Turbidity	7	JTU (E)	5050	5050
		1045	Phosphate	0.01	Mg/L	5050	5050
		09-11-69	Turbidity	4	JTU (E)	5050	5050
		1445	Arsenic	0.00	Mg/L	5050	5050
A8 1350.00	CACHE CREEK NEAR LOWER LAKE	10-03-68	Turbidity	20	JTU (E)	5050	5050
		1415	Phosphate	0.06	Mg/L	5050	5050
		11-20-68	Turbidity	8	JTU (E)	5050	5050
		1220	Phosphate	0.03	Mg/L	5050	5050
		12-05-68	Turbidity	20	JTU (E)	5050	5050
		0920	Phosphate	0.07	Mg/L	5050	5050
		01-23-69	Turbidity	140	JTU (E)	5050	5050
		1525	Phosphate	0.04	Mg/L	5050	5050
		02-19-69	Turbidity	35	JTU (E)	5050	5050
		1540	Phosphate	0.01	Mg/L	5050	5050
		03-12-69	Turbidity	35	JTU (E)	5050	5050
		1545	Phosphate	0.00	Mg/L	5050	5050
		04-10-69	Turbidity	30	JTU (E)	5050	5050
		0930	Phosphate	0.21	Mg/L	5050	5050
		05-15-69	Turbidity	25	JTU (E)	5050	5050
		0915	Arsenic	0.00	Mg/L	5050	5050
			Phosphate	0.07	Mg/L	5050	5050
		06-12-69	Turbidity	25	JTU (E)	5050	5050
		1015	Phosphate	0.10	Mg/L	5050	5050
		07-17-69	Turbidity	45	JTU (E)	5050	5050
		1200	Phosphate	0.05	Mg/L	5050	5050
		08-07-69	Turbidity	35	JTU (E)	5050	5050
		0910	Phosphate	0.04	Mg/L	5050	5050
		09-11-69	Turbidity	2	JTU (E)	5050	5050
		1225	Arsenic	0.00	Mg/L	5050	5050
A8 2050.00	CACHE CREEK, NORTH FORK, NEAR LOWER LAKE	11-19-68	Turbidity	4	JTU (E)	5050	5050
		1150					
		12-05-68	Turbidity	2	JTU (E)	5050	5050
		1040					
		01-23-69	Turbidity	500	JTU (E)	5050	5050
		1600					
		02-20-69	Turbidity	140	JTU (E)	5050	5050
		1020					
		03-12-69	Turbidity	50	JTU (E)	5050	5050
		1430					
		04-10-69	Turbidity	4	JTU (E)	5050	5050
		1050					
		05-15-69	Turbidity	3	JTU (E)	5050	5050
		1000	Arsenic	0.00	Mg/L	5050	5050
		06-12-69	Turbidity	7	JTU (E)	5050	5050
		1100					

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
A8 2050.00	CACHE CREEK, NORTH FORK, NEAR LOWER LAKE (Continued)	07-17-69 1315	Turbidity	6	JTU (E)	5050	5050
		08-07-69 0955	Turbidity	4	JTU (E)	5050	5050
		09-11-69 1305	Turbidity Arsenic	1 0.00	JTU (E) Mg/L	5050 5050	5050 5050
B0 1125.00	COSUMNES RIVER AT MCCONNELL	03-03-69 1100	Turbidity	80	JTU (E)	5050	5050
B0 1170.00	COSUMNES RIVER AT SLOUGHHOUSE	09-23-69 0815	Turbidity	5	JTU (E)	5050	5050
B2 1150.00	DRY CREEK NEAR IONE	03-04-69 1430	Turbidity	10	JTU (E)	5050	5050
B0 2105.00	MOKELUMNE RIVER AT WOODBRIDGE	10-10-68 0800	Turbidity	15	JTU (E)	5050	5050
		03-03-69 1225	Turbidity	45	JTU (E)	5050	5050
B0 2143.00	MOKELUMNE RIVER BELOW CAMANCHE DAM	03-04-69 1340	Turbidity	50	JTU (E)	5050	5050
		08-14-69 1140	Turbidity	9	JTU (E)	5050	5050
B0 2515.01	CALAVERAS RIVER AT STOCKTON	11-08-68 0945	Turbidity	8	JTU (E)	5050	5050
		12-13-68 0840	Turbidity	15	JTU (E)	5050	5050
		02-02-69 0830	Turbidity	100	JTU (E)	5050	5050
		03-04-69 1245	Turbidity	80	JTU (E)	5050	5050
		05-16-69 0840	Turbidity	30	JTU (E)	5050	5050
		06-17-69 1345	Turbidity	30	JTU (E)	5050	5050
		07-02-69 0900	Turbidity	55	JTU (E)	5050	5050
		08-01-69 1130	Turbidity	20	JTU (E)	5050	5050
B0 7020.00	SAN JOAQUIN RIVER NEAR VERNALIS	01-29-69 1510	Turbidity	75	JTU (E)	5050	5050
		02-26-69 1510	Turbidity	60	JTU (E)	5050	5050
		03-28-69 1045	Turbidity	20	JTU (E)	5050	5050
		05-01-69 1330	Turbidity Secchi Disk	45 0.75	JTU (E) Ft.	5050 5050	5050 5050
		06-09-69 1335	Turbidity Secchi Disk	33 1.0	JTU (E) Ft.	5050 5050	5050 5050
		07-22-69 1510	Turbidity Secchi Disk	41 0.8	JTU (E) Ft.	5050	5050
		08-20-69 1120	Turbidity Secchi Disk	35 1.0	JTU (E) Ft.	5050 5050	5050 5050
		09-17-69 1515	Turbidity Secchi Disk	30 1.0	JTU (E) Ft.	5050 5050	5050 5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B1 1150.00	COSUMNES RIVER AT MICHIGAN BAR	03-04-69 1510	Turbidity	50	JTU (E)	5050	5050
		09-23-69 1045	Turbidity	1	JTU (E)	5050	5050
B1 1300.01	BIG INDIAN CREEK NEAR NASHVILLE	09-24-69 1530	Turbidity	15	JTU (E)	5050	5050
B1 2100.00	COSUMNES RIVER, NORTH FORK, NEAR EL DORADO	04-02-69 1345	Turbidity	4	JTU (E)	5050	5050
		09-24-69 1540	Turbidity	1	JTU (E)	5050	5050
B1 2300.00	CAMP CREEK NEAR SOMERSET	09-22-69 1440	Turbidity	4	JTU (E)	5050	5050
B1 2470.01	CAMP CREEK BELOW DIAMOND CREEK NEAR BALTIC LOOKOUT	09-23-69 1315	Turbidity	4	JTU (E)	5050	5050
B1 2659.01	COSUMNES RIVER, NORTH FORK, AT SWEENEYS CROSSING	09-23-69 --	Turbidity	3	JTU (E)	5050	5050
B1 2670.01	COSUMNES RIVER, STEELEY FORK, NEAR COLES STATION	09-23-69 1600	Turbidity	4	JTU (E)	5050	5050
B1 2800.01	COSUMNES RIVER, NORTH FORK, AT CAPS CROSSING	09-23-69 1415	Turbidity	1	JTU (E)	5050	5050
B1 3150.00	COSUMNES RIVER, MIDDLE FORK, NEAR SOMERSET	04-02-69 1300	Turbidity	40	JTU (E)	5050	5050
		09-23-69 1220	Turbidity	1	JTU (E)	5050	5050
B1 3600.00	COSUMNES RIVER, MIDDLE FORK, AT PI PI RESERVOIR SITE	09-23-69 1520	Turbidity	2	JTU (E)	5050	5050
B1 4100.00	COSUMNES RIVER, SOUTH FORK, NEAR RIVER PINES	04-02-69 1140	Turbidity	15	JTU (E)	5050	5050
		09-22-69 1340	Turbidity	1	JTU (E)	5050	5050
B1 4150.01	SCOTT CREEK NEAR AUKUM	09-22-69 1425	Turbidity	8	JTU (E)	5050	5050
B2 5300.00	CALAVERAS RIVER BELOW NEW HOGAN DAM	01-10-69 1300	Turbidity	50	JTU (E)	5050	5050
		03-21-69 1330	Turbidity	10	JTU (E)	5050	5050
		04-29-69 1200	Turbidity	8	JTU (E)	5050	5050
		06-03-69 1055	Turbidity	7	JTU (E)	5050	5050
		06-26-69 1010	Turbidity	15	JTU (E)	5050	5050
		08-21-69 1425	Turbidity	20	JTU (E)	5050	5050
B2 5320.10	CALAVERAS RIVER ABOVE NEW HOGAN RESERVOIR	01-10-69 1000	Turbidity	7	JTU (E)	5050	5050
		03-21-69 0920	Turbidity	25	JTU (E)	5050	5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B2 5320.10	CALAVERAS RIVER ABOVE NEW HOGAN RESERVOIR (Continued)	04-29-69 0900	Turbidity	7	JTU (E)	5050	5050
		05-28-69 0910	Turbidity	4	JTU (E)	5050	5050
		06-26-69 0900	Turbidity	9	JTU (E)	5050	5050
		08-21-69 1320	Turbidity	7	JTU (E)	5050	5050
B9 D 748.3 126.9	OLD RIVER AT TRACY ROAD BRIDGE NEAR TRACY	10-09-68 1130	Turbidity	22	JTU (A)	5001	5006
		11-13-68 1400	Turbidity	18	JTU (A)	5001	5006
		12-11-68 1140	Turbidity	25	JTU (A)	5001	5006
		01-21-69 1110	Turbidity	25	JTU (A)	5001	5006
			Secchi Disk	0.8	Ft.	5001	5006
		02-14-69 1215	Turbidity	70	JTU (A)	5001	5006
			Secchi Disk	0.8	Ft.	5001	5006
		03-24-69 1130	Turbidity	40	JTU (A)	5001	5006
			Secchi Disk	0.9	Ft.	5001	5006
		04-16-69 1415	Turbidity	50	JTU (A)	5001	5006
		05-23-69 1310	Turbidity	47	JTU (A)	5001	5006
			Secchi Disk	0.8	Ft.	5001	5006
		06-09-69 1230	Turbidity	48	JTU (A)	5001	5006
			Secchi Disk	0.6	Ft.	5001	5006
		07-22-69 1415	Turbidity	29	JTU (A)	5001	5006
			Secchi Disk	0.8	Ft.	5001	5006
		08-08-69 1300	Turbidity	55	JTU (A)	5001	5006
			Secchi Disk	1.25	Ft.	5001	5006
		09-17-69 1326	Turbidity	39	JTU (A)	5001	5006
			Secchi Disk	1.25	Ft.	5001	5006
B9 D 752.6 122.9	MIDDLE RIVER AT WILLIAMS BRIDGE NEAR HOLT	10-09-69 1040	Turbidity	48	JTU (A)	5001	5006
		11-13-68 1315	Turbidity	25	JTU (A)	5001	5006
		12-11-68 1245	Turbidity	15	JTU (A)	5001	5006
		01-21-69 1030	Turbidity	60	JTU (A)	5001	5006
			Secchi Disk	0.8	Ft.	5001	5006
		02-14-69 1145	Turbidity	60	JTU (A)	5001	5006
			Secchi Disk	0.8	Ft.	5001	5006
		03-24-69 1045	Turbidity	40	JTU (A)	5001	5006
			Secchi Disk	1.0	Ft.	5001	5006
		04-16-69 1340	Turbidity	30	JTU (A)	5001	5006
		05-23-69 1220	Turbidity	50	JTU (A)	5001	5006
			Secchi Disk	0.9	Ft.	5001	5006
		06-09-69 1145	Turbidity	12	JTU (A)	5001	5006
			Secchi Disk	0.6	Ft.	5001	5006
		07-22-69 1335	Turbidity	50	JTU (A)	5001	5006
			Secchi Disk	0.7	Ft.	5001	5006
		08-08-69 1220	Turbidity	60	JTU (A)	5001	5006
			Secchi Disk	1.1	Ft.	5001	5006
		09-17-69 1245	Turbidity	42	JTU (A)	5001	5006
			Secchi Disk	1.0	Ft.	5001	5006

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 NEAR TRACY	10-09-68 1000	Turbidity	20	JTU (A)	5001	5006
		11-13-68 1250	Turbidity	18	JTU (A)	5001	5006
		12-11-68 1100	Turbidity	20	JTU (A)	5001	5006
			Secchi Disk	1.3	Ft.	5001	5006
		01-21-69 0955	Turbidity	15	JTU (A)	5001	5006
			Secchi Disk	0.6	Ft.	5001	5006
		02-14-69 1100	Turbidity	80	JTU (A)	5001	5006
			Secchi Disk	0.8	Ft.	5001	5006
		03-24-69 1010	Turbidity	35	JTU (A)	5001	5006
			Secchi Disk	1.0	Ft.	5001	5006
		04-16-69 1305	Turbidity	50	JTU (A)	5001	5006
			Secchi Disk	1.8	Ft.	5001	5006
		05-23-69 1130	Turbidity	52	JTU (A)	5001	5006
			Secchi Disk	0.8	Ft.	5001	5006
		06-29-69 1100	Turbidity	18	JTU (A)	5001	5006
			Secchi Disk	0.7	Ft.	5001	5006
		07-22-69 1250	Turbidity	43	JTU (A)	5001	5006
			Secchi Disk	0.5	Ft.	5001	5006
		08-08-69 1130	Turbidity	45	JTU (A)	5001	5006
			Secchi Disk	1.1	Ft.	5001	5006
		09-17-69 1208	Turbidity	32	JTU (A)	5001	5006
			Secchi Disk	1.0	Ft.	5001	5006
B9 D 756.1 125.8	WHISKEY SLOUGH AT HOLT	10-09-68 0921	Turbidity	27	JTU (A)	5001	5006
		11-13-68 1210	Turbidity	18	JTU (A)	5001	5006
		12-11-68 1030	Turbidity	25	JTU (A)	5001	5006
			Secchi Disk	1.2	Ft.	5001	5006
		01-21-69 0910	Turbidity	25	JTU (A)	5001	5006
			Secchi Disk	0.9	Ft.	5001	5006
		02-14-69 1023	Turbidity	30	JTU (A)	5001	5006
			Secchi Disk	1.8	Ft.	5001	5006
		03-24-69 0935	Turbidity	15	JTU (A)	5001	5006
			Secchi Disk	1.9	Ft.	5001	5006
		04-16-69 1145	Turbidity	15	JTU (A)	5001	5006
			Secchi Disk	1.8	Ft.	5001	5006
		05-23-69 1053	Turbidity	45	JTU (A)	5001	5006
			Secchi Disk	1.4	Ft.	5001	5006
		06-09-69 1020	Turbidity	30	JTU (A)	5001	5006
			Secchi Disk	0.7	Ft.	5001	5006
		07-22-69 1200	Turbidity	30	JTU (A)	5001	5006
			Secchi Disk	0.75	Ft.	5001	5006
		08-08-69 1100	Turbidity	40	JTU (A)	5001	5006
			Secchi Disk	1.1	Ft.	5001	5006
		09-17-69 1141	Turbidity	27	JTU (A)	5001	5006
			Secchi Disk	1.3	Ft.	5001	5006
B9 D 758.7 122.9	SAN JOAQUIN RIVER AT BUCKLEY COVE	10-10-68 1015	Turbidity	17	JTU (A)	5001	5006
		11-13-68 1110	Turbidity	35	JTU (A)	5001	5006
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.05	Mg/L	5001	5006
			Copper	<0.25	Mg/L	5001	5006
			Iron	<0.1	Mg/L	5001	5006
			Lead	0.04	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.25	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)	01-23-69 1315	Turbidity	100	JTU (A)	5001	5006
			Secchi Disk	0.4	Ft.	5001	5006
		02-14-69 1235	Turbidity	40	JTU (A)	5001	5006
			Secchi Disk	0.4	Ft.	5001	5006
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.05	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	0.4	Mg/L	5001	5006
			Lead	0.10	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.5	Mg/L	5001	5006
		03-24-69 1315	Turbidity	25	JTU (A)	5001	5006
			Secchi Disk	1.0	Ft.	5001	5006
		04-16-69 1100	Turbidity	45	JTU (A)	5001	5006
			Secchi Disk	0.7	Ft.	5001	5006
		05-22-69 1215	Turbidity	45	JTU (A)	5001	5006
			Secchi Disk	0.7	Ft.	5001	5006
		06-09-69 1135	Turbidity	50	JTU (A)	5001	5006
			Secchi Disk	0.7	Ft.	5001	5006
		07-17-69 1300	Turbidity	65	JTU (A)	5001	5006
			Secchi Disk	0.6	Ft.	5001	5006
		08-08-69 1330	Turbidity	32	JTU (A)	5001	5006
			Secchi Disk	0.6	Ft.	5001	5006
		09-17-69 1345	Turbidity	13	JTU (A)	5001	5006
			Secchi Disk	1.1	Ft.	5001	5006
B9 D 800.5 134.8	OLD RIVER AT HOLLAND TRACT	10-28-68 1355	Turbidity	15	JTU (A)	5001	5006
		11-26-68 1230	Turbidity	22	JTU (A)	5001	5006
			Secchi Disk	1.1	Ft.	5001	5006
		12-17-68 1500	Turbidity	10	JTU (A)	5001	5006
			Secchi Disk	1.0	Ft.	5001	5006
		02-26-69 1330	Turbidity	37	JTU (A)	5001	5006
		03-27-69 1515	Turbidity	30	JTU (A)	5001	5006
			Secchi Disk	1.1	Ft.	5001	5006
		04-25-69 1430	Turbidity	43	JTU (A)	5001	5006
			Secchi Disk	0.8	Ft.	5001	5006
		06-09-69 1630	Turbidity	45	JTU (A)	5001	5006
			Secchi Disk	0.7	Ft.	5001	5006
		07-23-69 1500	Turbidity	28	JTU (A)	5001	5006
			Secchi Disk	1.0	Ft.	5001	5006
		08-20-69 1400	Turbidity	17	JTU (A)	5001	5006
			Secchi Disk	1.5	Ft.	5001	5006
		09-18-69 1550	Turbidity	18	JTU (A)	5001	5006
B9 D 800.7 138.4	DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	10-28-68 1255	Turbidity	25	JTU (A)	5001	5006
		11-26-68 1155	Turbidity	20	JTU (A)	5001	5006
			Secchi Disk	1.0	Ft.	5001	5006
		12-17-68 1420	Turbidity	30	JTU (A)	5001	5006
			Secchi Disk	1.4	Ft.	5001	5006
		02-26-69 1230	Turbidity	32	JTU (A)	5001	5006
		03-28-69 1530	Turbidity	20	JTU (A)	5001	5006
		04-25-69 1345	Turbidity	41	JTU (A)	5001	5006
			Secchi Disk	0.75	Ft.		
		06-09-69 1515	Turbidity	130	JTU (A)	5001	5006
			Secchi Disk	0.5	Ft.	5001	5006

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 800.7 138.4	DUTCH SLOUGH AT BETHEL ISLAND BRIDGE (Continued)	07-23-69 1410	Turbidity	38	JTU (A)	5001	5006
			Secchi Disk	0.75	Ft.	5001	5006
		08-20-69 1325	Turbidity	25	JTU (A)	5001	5006
			Secchi Disk	1.5	Ft.	5001	5006
		09-18-69 1445	Turbidity	20	JTU (A)	5001	5006
B9 D 800.8 143.9	BIG BREAK AT BIG BREAK RESORT	10-28-68 1200	Turbidity	25	JTU (A)	5001	5006
		12-17-68 1335	Turbidity	10	JTU (A)	5001	5006
			Secchi Disk	1.6	Ft.	5001	5006
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.05	Mg/L	5001	5006
			Copper	<0.5	Mg/L	5001	5006
			Iron	0.2	Mg/L	5001	5006
			Lead	<0.02	Mg/L	5001	5006
			Manganese	0.08	Mg/L	5001	5006
			Zinc	<0.5	Mg/L	5001	5006
B9 D 801.1 142.6	BIG BREAK NEAR OAKLEY	11-26-68 1105	Turbidity	18	JTU (A)	5001	5006
			Secchi Disk	1.1	Ft.	5001	5006
		02-25-69 1035	Turbidity	50	JTU (A)	5001	5006
			Secchi Disk	0.8	Ft.	5001	5006
		03-28-69 1350	Turbidity	15	JTU (A)	5001	5006
			Secchi Disk	1.1	Ft.	5001	5006
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.05	Mg/L	5001	5006
			Copper	<0.1	Mg/L	5001	5006
			Iron	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
		05-07-69 1000	Turbidity	45	JTU (A)	5001	5006
			Secchi Disk	0.8	Ft.	5001	5006
		06-11-69 1735	Turbidity	40	JTU (A)	5001	5006
			Secchi Disk	1.0	Ft.	5001	5006
			Cadmium	<0.010	Mg/L	5001	5006
			Chromium	<0.010	Mg/L	5001	5006
			Copper	<0.100	Mg/L	5001	5006
			Iron	0.200	Mg/L	5001	5006
			Lead	<0.010	Mg/L	5001	5006
			Manganese	<0.050	Mg/L	5001	5006
			Zinc	<0.100	Mg/L	5001	5006
		07-23-69 1425	Turbidity	32	JTU (A)	5001	5006
			Secchi Disk	1.0	Ft.	5001	5006
		08-20-69 1320	Turbidity	27	JTU (A)	5001	5006
			Secchi Disk	1.3	Ft.	5001	5006
		09-18-69 1225	Turbidity	21	JTU (A)	5001	5006
			Secchi Disk	1.3	Ft.	5001	5006
			Cadmium	<0.010	Mg/L	5001	5006
			Chromium	<0.010	Mg/L	5001	5006
			Copper	<0.100	Mg/L	5001	5006
			Iron	<0.100	Mg/L	5001	5006
			Lead	<0.010	Mg/L	5001	5006
			Manganese	<0.050	Mg/L	5001	5006
			Zinc	<0.100	Mg/L	5001	5006
B9 D 801.1 148.1	SAN JOAQUIN RIVER AT ANTIOCH	10-01-68 0800	Turbidity	70	JTU (E)	5050	5050
B9 D 801.2 148.5	SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL	10-28-68 1135	Turbidity	40	JTU (A)	5001	5006
			Secchi Disk	0.7	Ft.	5001	5006
		11-26-68 1035	Turbidity	45	JTU (A)	5001	5006
			Secchi Disk	0.9	Ft.	5001	5006
		12-17-68 1410	Turbidity	15	JTU (A)	5001	5006
			Secchi Disk	1.7	Ft.	5001	5006

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 801.2 148.5	SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL (Continued)	12-17-68 1410	Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.05	Mg/L	5001	5006
			Copper	<0.5	Mg/L	5001	5006
			Iron	0.5	Mg/L	5001	5006
			Lead	<0.02	Mg/L	5001	5006
			Manganese	0.05	Mg/L	5001	5006
			Zinc	<0.5	Mg/L	5001	5006
		01-29-69 1300	Turbidity	85	JTU (A)	5001	5006
			Secchi Disk	0.55	Ft.	5001	5006
		02-27-69 1215	Turbidity	35	JTU (A)	5001	5006
			Secchi Disk	0.9	Ft.	5001	5006
		03-28-69 1240	Turbidity	15	JTU (A)	5001	5006
			Secchi Disk	1.1	Ft.	5001	5006
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.05	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
		05-07-69 0915	Turbidity	37	JTU (A)	5001	5006
			Secchi Disk	1.0	Ft.	5001	5006
		06-11-69 1650	Turbidity	33	JTU (A)	5001	5006
			Secchi Disk	0.8	Ft.	5001	5006
			Cadmium	<0.010	Mg/L	5001	5006
			Chromium	<0.010	Mg/L	5001	5006
			Copper	0.100	Mg/L	5001	5006
			Iron	0.200	Mg/L	5001	5006
			Lead	<0.100	Mg/L	5001	5006
			Manganese	<0.050	Mg/L	5001	5006
			Zinc	<0.010	Mg/L	5001	5006
		07-23-69 1345	Turbidity	19	JTU (A)	5001	5006
			Secchi Disk	1.2	Ft.	5001	5006
		08-19-69 1025	Turbidity	28	JTU (A)	5001	5006
			Secchi Disk	1.0	Ft.	5001	5006
		09-17-69 1010	Turbidity	28	JTU (A)	5001	5006
			Secchi Disk	1.25	Ft.	5001	5006
			Cadmium	<0.010	Mg/L	5001	5006
			Chromium	<0.010	Mg/L	5001	5006
			Copper	<0.100	Mg/L	5001	5006
			Iron	<0.100	Mg/L	5001	5006
			Lead	<0.010	Mg/L	5001	5006
			Manganese	<0.050	Mg/L	5001	5006
			Zinc	<0.100	Mg/L	5001	5006
B9 D 801.6 145.2	SAN JOAQUIN RIVER AT ANTIOCH BRIDGE (AT LIGHT 12)	10-28-68 1150	Turbidity	35	JTU (A)	5001	5006
			Secchi Disk	0.6	Ft.	5001	5006
		11-26-68 1050	Turbidity	25	JTU (A)	5001	5006
			Secchi Disk	1.0	Ft.	5001	5006
		12-17-68 1425	Turbidity	15	JTU (A)	5001	5006
			Secchi Disk	1.2	Ft.	5001	5006
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.05	Mg/L	5001	5006
			Copper	<0.5	Mg/L	5001	5006
			Iron	0.4	Mg/L	5001	5006
			Lead	<0.02	Mg/L	5001	5006
			Manganese	0.05	Mg/L	5001	5006
			Zinc	<0.5	Mg/L	5001	5006
		01-27-69 1340	Turbidity	65	JTU (A)	5001	5006
			Secchi Disk	0.6	Ft.	5001	5006
		02-27-69 1245	Turbidity	35	JTU (A)	5001	5006
			Secchi Disk	1.0	Ft.	5001	5006
		03-28-69 1315	Turbidity	15	JTU (A)	5001	5006
			Secchi Disk	1.1	Ft.	5001	5006
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.05	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

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)	05-07-69 0940	Turbidity	34	JTU (A)	5001	5006
			Secchi Disk	0.9	Ft.	5001	5006
		06-11-69 1715	Turbidity	30	JTU (A)	5001	5006
			Secchi Disk	0.9	Ft.	5001	5006
			Cadmium	<0.010	Mg/L	5001	5006
			Chromium	<0.010	Mg/L	5001	5006
			Copper	0.100	Mg/L	5001	5006
			Iron	0.200	Mg/L	5001	5006
			Lead	0.010	Mg/L	5001	5006
			Manganese	<0.050	Mg/L	5001	5006
			Zinc	<0.100	Mg/L	5001	5006
		07-23-69 1405	Turbidity	21	JTU (A)	5001	5006
			Secchi Disk	1.4	Ft.	5001	5006
		08-20-69 1320	Turbidity	17	JTU (A)	5001	5006
			Secchi Disk	1.5	Ft.	5001	5006
		09-18-69 1205	Turbidity	17	JTU (A)	5001	5006
			Secchi Disk	1.6	Ft.	5001	5006
			Cadmium	<0.010	Mg/L	5001	5006
			Chromium	<0.010	Mg/L	5001	5006
			Copper	<0.100	Mg/L	5001	5006
			Iron	<0.100	Mg/L	5001	5006
			Lead	<0.010	Mg/L	5001	5006
			Manganese	<0.050	Mg/L	5001	5006
			Zinc	<0.100	Mg/L	5001	5006
B9 D 801.9 151.4	NEW YORK SLOUGH NEAR PITTSBURG POINT	10-28-68 1120	Turbidity	40	JTU (A)	5001	5006
			Secchi Disk	0.7	Ft.	5001	5006
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.05	Mg/L	5001	5006
			Copper	<0.5	Mg/L	5001	5006
			Iron	0.3	Mg/L	5001	5006
			Lead	<0.02	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.5	Mg/L	5001	5006
		11-26-68 1020	Turbidity	40	JTU (A)	5001	5006
			Secchi Disk	0.8	Ft.	5001	5006
		12-17-68 1345	Turbidity	10	JTU (A)	5001	5006
			Secchi Disk	1.1	Ft.	5001	5006
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.05	Mg/L	5001	5006
			Copper	<0.5	Mg/L	5001	5006
			Iron	0.3	Mg/L	5001	5006
			Lead	<0.02	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.5	Mg/L	5001	5006
		01-28-69 1330	Turbidity	50	JTU (A)	5001	5006
			Secchi Disk	0.4	Ft.	5001	5006
		02-26-69 1215	Turbidity	35	JTU (A)	5001	5006
			Secchi Disk	0.9	Ft.	5001	5006
		03-27-69 1315	Turbidity	20	JTU (A)	5001	5006
			Secchi Disk	1.3	Ft.	5001	5006
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.05	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
			Silver	<0.05	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		05-07-69 0855	Turbidity	35	JTU (A)	5001	5006
			Secchi Disk	0.6	Ft.	5001	5006
		06-11-69 1630	Turbidity	32	JTU (A)	5001	5006
			Secchi Disk	1.0	Ft.	5001	5006
			Cadmium	<0.010	Mg/L	5001	5006
			Chromium	<0.010	Mg/L	5001	5006
			Copper	<0.100	Mg/L	5001	5006
			Iron	0.300	Mg/L	5001	5006
			Lead	<0.010	Mg/L	5001	5006
			Manganese	<0.050	Mg/L	5001	5006
			Zinc	<0.100	Mg/L	5001	5006
		07-23-69 1320	Turbidity	37	JTU (A)	5001	5006
			Secchi Disk	1.1	Ft.	5001	5006

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 801.9 151.4	NEW YORK SLOUGH NEAR PITTSBURG POINT (Continued)	08-19-69 1005	Turbidity	39	JTU (A)	5001	5006
			Secchi Disk	0.9	Ft.	5001	5006
		09-17-69 0950	Turbidity	30	JTU (A)	5001	5006
			Secchi Disk	1.1	Ft.	5001	5006
			Cadmium	<0.010	Mg/L	5001	5006
			Chromium	<0.010	Mg/L	5001	5006
			Copper	<0.100	Mg/L	5001	5006
			Iron	<0.100	Mg/L	5001	5006
			Lead	0.100	Mg/L	5001	5006
			Manganese	<0.050	Mg/L	5001	5006
			Zinc	<0.100	Mg/L	5001	5006
B9 D 802.6 136.8	FRANKS TRACT NEAR RUSSOS LANDING	10-28-68 1325	Turbidity	15	JTU (A)	5001	5006
			Secchi Disk	1.1	Ft.	5001	5006
		11-26-68 1215	Turbidity	12	JTU (A)	5001	5006
			Secchi Disk	1.6	Ft.	5001	5006
		12-17-68 1610	Turbidity	5	JTU (A)	5001	5006
			Secchi Disk	1.4	Ft.	5001	5006
		01-27-69 1420	Turbidity	35	JTU (A)	5001	5006
			Secchi Disk	0.7	Ft.	5001	5006
		02-25-69 1325	Turbidity	45	JTU (A)	5001	5006
			Secchi Disk	0.9	Ft.	5001	5006
		03-27-69 1300	Turbidity	25	JTU (A)	5001	5006
			Secchi Disk	1.2	Ft.	5001	5006
		05-07-69 1200	Turbidity	50	JTU (A)	5001	5006
			Secchi Disk	0.75	Ft.	5001	5006
		06-11-69 1935	Turbidity	45	JTU (A)	5001	5006
			Secchi Disk	0.75	Ft.	5001	5006
		07-23-69 1645	Turbidity	30	JTU (A)	5001	5006
			Secchi Disk	1.0	Ft.	5001	5006
		08-20-69 1550	Turbidity	25	JTU (A)	5001	5006
			Secchi Disk	1.2	Ft.	5001	5006
		09-18-69 1455	Turbidity	22	JTU (A)	5001	5006
			Secchi Disk	1.2	Ft.	5001	5006
B9 D 802.6 147.6	SHERMAN LAKE NEAR ANTIOCH	11-26-68 1040	Turbidity	35	JTU (A)	5001	5006
			Secchi Disk	0.8	Ft.	5001	5006
		02-26-69 1300	Turbidity	40	JTU (A)	5001	5006
			Secchi Disk	1.0	Ft.	5001	5006
		04-25-69 1145	Turbidity	38	JTU (A)	5001	5006
			Secchi Disk	0.8	Ft.	5001	5006
		06-09-69 1400	Turbidity	35	JTU (A)	5001	5006
			Secchi Disk	0.8	Ft.	5001	5006
		07-23-69 1300	Turbidity	40	JTU (A)	5001	5006
			Secchi Disk	0.75	Ft.	5001	5006
		08-19-69 1055	Turbidity	40	JTU (A)	5001	5006
			Secchi Disk	0.9	Ft.	5001	5006
		09-17-69 1040	Turbidity	25	JTU (A)	5001	5006
			Secchi Disk	1.2	Ft.	5001	5006
B9 D 802.7 123.3	DISAPPOINTMENT SLOUGH NEAR LODI	10-18-68 1015	Turbidity	22	JTU (A)	5001	5006
		11-13-68 1055	Turbidity	22	JTU (A)	5001	5006
			Secchi Disk	0.8	Ft.	5001	5006
		12-11-68 1000	Turbidity	25	JTU (A)	5001	5006
			Secchi Disk	0.8	Ft.	5001	5006
		01-23-69 1145	Turbidity	55	JTU (A)	5001	5006
			Secchi Disk	0.7	Ft.	5001	5006
		02-14-69 1130	Turbidity	20	JTU (A)	5001	5006
			Secchi Disk	0.4	Ft.	5001	5006

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 802.7 123.3	DISAPPOINTMENT SLOUGH NEAR LODI (Continued)	03-24-69 1120	Turbidity	20	JTU (A)	5001	5006
			Secchi Disk	1.0	Ft.	5001	5006
		04-15-69 1320	Turbidity	25	JTU (A)	5001	5006
			Secchi Disk	0.75	Ft.	5001	5006
		05-22-69 1115	Turbidity	50	JTU (A)	5001	5006
			Secchi Disk	0.75	Ft.	5001	5006
		06-09-69 1055	Turbidity	60	JTU (A)	5001	5006
			Secchi Disk	0.6	Ft.	5001	5006
		07-17-69 1055	Turbidity	63	JTU (A)	5001	5006
			Secchi Disk	0.6	Ft.	5001	5006
		08-07-69 1155	Turbidity	29	JTU (A)	5001	5006
			Secchi Disk	0.6	Ft.	5001	5006
		09-17-69 1135	Turbidity	12	JTU (A)	5001	5006
			Secchi Disk	1.6	Ft.	5001	5006
B9 D 803.1 141.3	SAN JOAQUIN RIVER AT JERSEY POINT	10-28-68 1210	Turbidity	20	JTU (A)	5001	5006
			Secchi Disk	0.8	Ft.	5001	5006
		11-26-68 1110	Turbidity	18	JTU (A)	5001	5006
			Secchi Disk	1.2	Ft.	5001	5006
		12-17-68 1500	Turbidity	10	JTU (A)	5001	5006
			Secchi Disk	1.5	Ft.	5001	5006
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.05	Mg/L	5001	5006
			Copper	<0.5	Mg/L	5001	5006
			Iron	0.4	Mg/L	5001	5006
			Lead	<0.02	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.5	Mg/L	5001	5006
		01-27-69 1145	Turbidity	55	JTU (A)	5001	5006
			Secchi Disk	0.8	Ft.	5001	5006
		02-25-69 1110	Turbidity	40	JTU (A)	5001	5006
			Secchi Disk	0.8	Ft.	5001	5006
		03-26-69 1110	Turbidity	15	JTU (A)	5001	5006
			Secchi Disk	1.1	Ft.	5001	5006
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.05	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
		05-07-69 1025	Turbidity	50	JTU (A)	5001	5006
			Secchi Disk	0.9	Ft.	5001	5006
		06-11-69 1800	Turbidity	37	JTU (A)	5001	5006
			Secchi Disk	0.8	Ft.	5001	5006
			Cadmium	<0.010	Mg/L	5001	5006
			Chromium	<0.010	Mg/L	5001	5006
			Copper	<0.100	Mg/L	5001	5006
			Iron	0.300	Mg/L	5001	5006
			Lead	<0.010	Mg/L	5001	5006
			Manganese	<0.050	Mg/L	5001	5006
			Zinc	<0.100	Mg/L	5001	5006
		07-23-69 1500	Turbidity	20	JTU (A)	5001	5006
			Secchi Disk	1.1	Ft.	5001	5006
		08-20-69 1410	Turbidity	20	JTU (A)	5001	5006
			Secchi Disk	1.2	Ft.	5001	5006
		09-18-69 1300	Turbidity	17	JTU (A)	5001	5006
			Secchi Disk	1.5	Ft.	5001	5006
			Cadmium	<0.010	Mg/L	5001	5006
			Chromium	<0.010	Mg/L	5001	5006
			Copper	<0.100	Mg/L	5001	5006
			Iron	<0.100	Mg/L	5001	5006
			Lead	<0.010	Mg/L	5001	5006
			Manganese	<0.050	Mg/L	5001	5006
			Zinc	<0.100	Mg/L	5001	5006

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	10-28-68	Turbidity	15	JTU (A)	5001	5006
		1310	Secchi Disk	1.3	Ft.	5001	5006
		11-26-68	Turbidity	10	JTU (A)	5001	5006
		1205	Secchi Disk	1.6	Ft.	5001	5006
		12-17-68	Turbidity	5	JTU (A)	5001	5006
		1600	Secchi Disk	1.5	Ft.	5001	5006
		01-27-69	Turbidity	50	JTU (A)	5001	5006
		1345	Secchi Disk	0.6	Ft.	5001	5006
		02-25-69	Turbidity	40	JTU (A)	5001	5006
		1305	Secchi Disk	0.9	Ft.	5001	5006
		03-26-69	Turbidity	15	JTU (A)	5001	5006
		1320	Secchi Disk	1.1	Ft.	5001	5006
		05-07-69	Turbidity	55	JTU (A)	5001	5006
		1145	Secchi Disk	0.75	Ft.	5001	5006
		06-11-69	Turbidity	40	JTU (A)	5001	5006
		1915	Secchi Disk	0.75	Ft.	5001	5006
		07-23-69	Turbidity	24	JTU (A)	5001	5006
		1625	Secchi Disk	0.9	Ft.	5001	5006
		08-20-69	Turbidity	22	JTU (A)	5001	5006
		1530	Secchi Disk	1.2	Ft.	5001	5006
		09-18-69	Turbidity	20	JTU (A)	5001	5006
		1430	Secchi Disk	1.4	Ft.	5001	5006
B9 D 804.4 134.2	OLD RIVER AT MOUTH	10-28-68	Turbidity	10	JTU (A)	5001	5006
		1255	Secchi Disk	1.5	Ft.	5001	5006
		11-26-68	Turbidity	9	JTU (A)	5001	5006
		1150	Secchi Disk	1.9	Ft.	5001	5006
		12-17-68	Turbidity	10	JTU (A)	5001	5006
		1545	Secchi Disk	1.0	Ft.	5001	5006
		01-27-69	Secchi Disk	0.6	Ft.	5001	5006
		1330					
		02-25-69	Turbidity	45	JTU (A)	5001	5006
		1245	Secchi Disk	0.9	Ft.	5001	5006
		03-26-69	Turbidity	15	JTU (A)	5001	5006
		1255	Secchi Disk	1.1	Ft.	5001	5006
		05-07-69	Turbidity	40	JTU (A)	5001	5006
		1125	Secchi Disk	0.9	Ft.	5001	5006
		06-11-69	Turbidity	36	JTU (A)	5001	5006
		1900	Secchi Disk	0.75	Ft.	5001	5006
		07-23-69	Turbidity	17	JTU (A)	5001	5006
		1600	Secchi Disk	1.1	Ft.	5001	5006
		08-20-69	Turbidity	17	JTU (A)	5001	5006
		1510	Secchi Disk	2.0	Ft.	5001	5006
		09-18-69	Turbidity	16	JTU (A)	5001	5006
		1405	Secchi Disk	1.6	Ft.	5001	5006
B9 D 805.1 144.3	SACRAMENTO RIVER AT EMMATON	10-30-68	Turbidity	35	JTU (A)	5001	5006
		1345	Secchi Disk	1.0	Ft.	5001	5006
		11-25-68	Turbidity	20	JTU (A)	5001	5006
		1100	Secchi Disk	0.8	Ft.	5001	5006
		12-18-68	Turbidity	25	JTU (A)	5001	5006
		1435	Secchi Disk	0.7	Ft.	5001	5006
		01-28-69	Turbidity	75	JTU (A)	5001	5006
		1200					
		02-25-69	Turbidity	55	JTU (A)	5001	5006
		1145					
		03-26-69	Turbidity	20	JTU (A)	5001	5006
		1100	Secchi Disk	1.3	Ft.	5001	5006

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 805.1 144.3	SACRAMENTO RIVER AT EMMATON (Continued)	05-08-69	Turbidity	31	JTU (A)	5001	5006
		0935	Secchi Disk	1.0	Ft.	5001	5006
		06-10-69	Turbidity	28	JTU (A)	5001	5006
		1600	Secchi Disk	1.3	Ft.	5001	5006
		07-22-69	Turbidity	31	JTU (A)	5001	5006
		1240	Secchi Disk	0.7	Ft.	5001	5006
		08-19-69	Turbidity	23	JTU (A)	5001	5006
		1140	Secchi Disk	1.3	Ft.	5001	5006
		09-17-69	Turbidity	20	JTU (A)	5001	5006
		1110	Secchi Disk	1.5	Ft.	5001	5006
B9 D 805.2 124.1	WHITE SLOUGH AT RIO BLANCO TRACT NEAR LODI	10-10-68	Turbidity	19	JTU (A)	5001	5006
		1330					
		11-13-68	Turbidity	10	JTU (A)	5001	5006
		1125	Secchi Disk	0.8	Ft.	5001	5006
		02-10-69	Turbidity	20	JTU (A)	5001	5006
		0930					
		02-14-69	Turbidity	20	JTU (A)	5001	5006
		--	Secchi Disk	1.0	Ft.	5001	5006
		03-24-69	Turbidity	20	JTU (A)	5001	5006
		1040	Secchi Disk	1.5	Ft.	5001	5006
		04-15-69	Turbidity	20	JTU (A)	5001	5006
		1230	Secchi Disk	0.9	Ft.	5001	5006
		05-22-69	Turbidity	30	JTU (A)	5001	5006
		1030	Secchi Disk	0.7	Ft.	5001	5006
		06-09-69	Turbidity	38	JTU (A)	5001	5006
		0940	Secchi Disk	0.6	Ft.	5001	5006
		07-17-69	Turbidity	41	JTU (A)	5001	5006
		1010	Secchi Disk	0.6	Ft.	5001	5006
		08-07-69	Turbidity	30	JTU (A)	5001	5006
		1105	Secchi Disk	0.9	Ft.	5001	5006
		09-17-69	Turbidity	15	JTU (A)	5001	5006
		1050	Secchi Disk	1.5	Ft.	5001	5006
B9 D 805.2 126.0	WHITE SLOUGH NEAR LODI	10-10-68	Turbidity	9	JTU (A)	5001	5006
		1400					
		11-13-68	Turbidity	13	JTU (A)	5001	5006
		1240	Secchi Disk	1.4	Ft.	5001	5006
		12-11-68	Turbidity	15	JTU (A)	5001	5006
		1040	Secchi Disk	1.3	Ft.	5001	5006
		01-23-69	Turbidity	40	JTU (A)	5001	5006
		1040	Secchi Disk	0.6	Ft.	5001	5006
		02-14-69	Turbidity	25	JTU (A)	5001	5006
		1015	Secchi Disk	0.8	Ft.	5001	5006
		03-24-69	Turbidity	35	JTU (A)	5001	5006
		0945	Secchi Disk	0.9	Ft.	5001	5006
		04-15-69	Turbidity	30	JTU (A)	5001	5006
		1140	Secchi Disk	0.8	Ft.	5001	5006
		05-22-69	Turbidity	35	JTU (A)	5001	5006
		0935	Secchi Disk	0.75	Ft.	5001	5006
		06-09-69	Turbidity	50	JTU (A)	5001	5006
		0845	Secchi Disk	0.6	Ft.	5001	5006
		07-17-69	Turbidity	35	JTU (A)	5001	5006
		0915	Secchi Disk	0.75	Ft.	5001	5006
		08-08-69	Turbidity	55	JTU (A)	5001	5006
		1020	Secchi Disk	0.9	Ft.	5001	5006
		09-17-69	Turbidity	15	JTU (A)	5001	5006
		1000	Secchi Disk	1.6	Ft.	5001	5006

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 805.8 140.1	SAN JOAQUIN RIVER AT TWITCHELL ISLAND	10-28-68 1225	Turbidity	20	JTU (A)	5001	5006
			Secchi Disk	0.8	Ft.	5001	5006
		11-26-68 1125	Turbidity	20	JTU (A)	5001	5006
			Secchi Disk	1.3	Ft.	5001	5006
		12-17-68 1520	Turbidity	20	JTU (A)	5001	5006
			Secchi Disk	1.2	Ft.	5001	5006
		01-27-69 1225	Turbidity	70	JTU (A)	5001	5006
			Secchi Disk	0.7	Ft.	5001	5006
		02-25-69 1145	Turbidity	40	JTU (A)	5001	5006
			Secchi Disk	1.0	Ft.	5001	5006
		03-26-69 1145	Turbidity	15	JTU (A)	5001	5006
			Secchi Disk	1.2	Ft.	5001	5006
		05-07-69 1050	Turbidity	33	JTU (A)	5001	5006
			Secchi Disk	1.0	Ft.	5001	5006
		06-11-69 1820	Turbidity	32	JTU (A)	5001	5006
			Secchi Disk	1.0	Ft.	5001	5006
		07-23-69 1525	Secchi Disk	1.25	Ft.	5001	5006
		08-20-69 1435	Turbidity	12	JTU (A)	5001	5006
			Secchi Disk	1.6	Ft.	5001	5006
		09-18-69 1325	Turbidity	12	JTU (A)	5001	5006
			Secchi Disk	1.5	Ft.	5001	5006
B9 D 806.4 142.0	THREE MILE SLOUGH AT SACRAMENTO RIVER	10-30-68 1300	Turbidity	25	JTU (A)	5001	5006
			Secchi Disk	1.0	Ft.	5001	5006
		11-25-68 1115	Turbidity	8.5	JTU (A)	5001	5006
			Secchi Disk	1.1	Ft.	5001	5006
		12-18-68 1445	Turbidity	25	JTU (A)	5001	5006
			Secchi Disk	0.7	Ft.	5001	5006
		01-28-69 1230	Turbidity	95	JTU (A)	5001	5006
		02-25-69 1240	Turbidity	60	JTU (A)	5001	5006
		03-26-69 1230	Turbidity	20	JTU (A)	5001	5006
		05-08-69 0950	Turbidity	27	JTU (A)	5001	5006
			Secchi Disk	1.2	Ft.	5001	5006
		06-10-69 1620	Turbidity	17	JTU (A)	5001	5006
			Secchi Disk	1.7	Ft.	5001	5006
		07-22-69 1300	Turbidity	25	JTU (A)	5001	5006
			Secchi Disk	0.9	Ft.	5001	5006
		08-19-69 1155	Turbidity	22	JTU (A)	5001	5006
			Secchi Disk	1.3	Ft.	5001	5006
		09-17-69 1130	Turbidity	15	JTU (A)	5001	5006
			Secchi Disk	1.8	Ft.	5001	5006
B9 D 808.8 126.1	SYCAMORE SLOUGH NEAR LODI	10-10-68 --	Turbidity	15	JTU (A)	5001	5006
		11-13-68 --	Turbidity	13	JTU (A)	5001	5006
			Secchi Disk	1.0	Ft.	5001	5006
		12-11-68 --	Turbidity	25	JTU (A)	5001	5006
			Secchi Disk	1.0	Ft.	5001	5006
B9 D 808.8 125.8	SYCAMORE SLOUGH AT DRAIN NEAR LODI	02-10-69 1040	Turbidity	35	JTU (A)	5001	5006
		02-13-69 0950	Turbidity	45	JTU (A)	5001	5006
			Secchi Disk	0.4	Ft.	5001	5006

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 808.8 125.8	SYCAMORE SLOUGH AT DRAIN NEAR LODI (Continued)	03-25-69 1010	Turbidity	35	JTU (A)	5001	5006
			Secchi Disk	0.6	Ft.	5001	5006
		04-15-69 1050	Turbidity	20	JTU (A)	5001	5006
			Secchi Disk	0.7	Ft.	5001	5006
		05-23-69 0955	Turbidity	27	JTU (A)	5001	5006
			Secchi Disk	0.9	Ft.	5001	5006
		06-10-69 0940	Turbidity	23	JTU (A)	5001	5006
			Secchi Disk	0.75	Ft.	5001	5006
		07-17-69 0825	Turbidity	23	JTU (A)	5001	5006
			Secchi Disk	0.9	Ft.	5001	5006
		08-07-69 0945	Turbidity	22	JTU (A)	5001	5006
			Secchi Disk	1.0	Ft.	5001	5006
B9 D 809.6 141.1	SACRAMENTO RIVER AT RIO VISTA BRIDGE	10-30-68 1320	Turbidity	15	JTU (A)	5001	5006
			Secchi Disk	1.1	Ft.	5001	5006
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.05	Mg/L	5001	5006
			Copper	<0.5	Mg/L	5001	5006
			Iron	0.2	Mg/L	5001	5006
			Lead	<0.02	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.5	Mg/L	5001	5006
		11-25-68 1135	Turbidity	12	JTU (A)	5001	5006
			Secchi Disk	1.3	Ft.	5001	5006
			Suspended Solids	30	Ug/L	5001	5006
			Volatile Susp. Solids	5	Mg/L	5001	5006
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.05	Mg/L	5001	5006
			Copper	<0.25	Mg/L	5001	5006
			Iron	0.2	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.25	Mg/L	5001	5006
		12-18-68 1515	Turbidity	30	JTU (A)	5001	5006
			Secchi Disk	0.7	Ft.	5001	5006
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.05	Mg/L	5001	5006
			Copper	<0.5	Mg/L	5001	5006
			Lead	<0.02	Mg/L	5001	5006
			Manganese	0.05	Mg/L	5001	5006
			Zinc	<0.5	Mg/L	5001	5006
		01-28-69 1315	Turbidity	160	JTU (A)	5001	5006
			Cadmium	<0.010	Mg/L	5001	5006
			Chromium	<0.050	Mg/L	5001	5006
			Copper	<0.100	Mg/L	5001	5006
			Iron	0.810	Mg/L	5001	5006
			Lead	<0.020	Mg/L	5001	5006
			Manganese	0.020	Mg/L	5001	5006
			Zinc	<0.100	Mg/L	5001	5006
		02-25-69 1330	Turbidity	110	JTU (A)	5001	5006
			Cadmium	<0.010	Mg/L	5001	5006
			Chromium	<0.010	Mg/L	5001	5006
			Copper	<0.100	Mg/L	5001	5006
			Iron	0.500	Mg/L	5001	5006
			Lead	0.030	Mg/L	5001	5006
			Manganese	<0.050	Mg/L	5001	5006
			Zinc	<0.500	Mg/L	5001	5006
		03-29-69 1430	Turbidity	20	JTU (A)	5001	5006
			Secchi Disk	1.2	Ft.	5001	5006
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.05	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
		05-08-69 1020	Turbidity	24	JTU (A)	5001	5006
			Secchi Disk	1.2	Ft.	5001	5006
			Cadmium	<0.010	Mg/L	5001	5006
			Chromium	<0.050	Mg/L	5001	5006
			Copper	<0.100	Mg/L	5001	5006
			Iron	0.400	Mg/L	5001	5006
			Lead	0.040	Mg/L	5001	5006
			Manganese	0.060	Mg/L	5001	5006
			Zinc	<0.100	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)	06-10-69 1645	Turbidity	14	JTU (A)	5001	5006
			Secchi Disk	1.125	Ft.	5001	5006
			Cadmium	<0.010	Mg/L	5001	5006
			Chromium	<0.010	Mg/L	5001	5006
			Copper	0.100	Mg/L	5001	5006
			Iron	<0.100	Mg/L	5001	5006
			Lead	<0.010	Mg/L	5001	5006
			Manganese	<0.050	Mg/L	5001	5006
			Zinc	<0.100	Mg/L	5001	5006
		07-22-69 1315	Turbidity	12	JTU (A)	5001	5006
			Secchi Disk	1.8	Ft.	5001	5006
			Cadmium	<0.010	Mg/L	5001	5006
			Chromium	<0.010	Mg/L	5001	5006
			Copper	<0.100	Mg/L	5001	5006
			Iron	<0.100	Mg/L	5001	5006
			Lead	<0.010	Mg/L	5001	5006
			Manganese	<0.050	Mg/L	5001	5006
			Zinc	<0.100	Mg/L	5001	5006
		08-19-69 1220	Turbidity	16	JTU (A)	5001	5006
			Secchi Disk	2.25	Ft.	5001	5006
			Cadmium	<0.010	Mg/L	5001	5006
			Chromium	<0.010	Mg/L	5001	5006
			Copper	<0.100	Mg/L	5001	5006
			Iron	<0.100	Mg/L	5001	5006
			Lead	<0.010	Mg/L	5001	5006
			Manganese	<0.050	Mg/L	5001	5006
			Zinc	<0.100	Mg/L	5001	5006
		09-17-69 1200	Turbidity	13	JTU (A)	5001	5006
			Secchi Disk	1.7	Ft.	5001	5006
		09-18-69 1200	Turbidity	8	JTU (A)	5001	5006
			Cadmium	<0.010	Mg/L	5001	5006
			Chromium	<0.010	Mg/L	5001	5006
			Copper	<0.100	Mg/L	5001	5006
			Iron	<0.100	Mg/L	5001	5006
			Lead	<0.010	Mg/L	5001	5006
			Manganese	<0.050	Mg/L	5001	5006
			Zinc	<0.100	Mg/L	5001	5006
B9 D 810.1 127.9	HOG SLOUGH NEAR THORNTON	10-10-68 1015	Turbidity	14	JTU (A)	5001	5006
		11-13-68 1345	Turbidity	13	JTU (A)	5001	5006
			Secchi Disk	1.4	Ft.	5001	5006
		12-11-68 1205	Turbidity	10	JTU (A)	5001	5006
			Secchi Disk	2.1	Ft.	5001	5006
		02-10-69 1125	Turbidity	20	JTU (A)	5001	5006
		02-13-69 1020	Turbidity	20	JTU (A)	5001	5006
			Secchi Disk	1.4	Ft.	5001	5006
		03-25-69 1050	Turbidity	15	JTU (A)	5001	5006
			Secchi Disk	1.2	Ft.	5001	5006
		04-16-69 1055	Turbidity	20	JTU (A)	5001	5006
			Secchi Disk	1.8	Ft.	5001	5006
		05-23-69 1010	Turbidity	35	JTU (A)	5001	5006
			Secchi Disk	0.9	Ft.	5001	5006
		06-10-69 1030	Turbidity	30	JTU (A)	5001	5006
			Secchi Disk	0.8	Ft.	5001	5006
		07-18-69 0930	Turbidity	17	JTU (A)	5001	5006
			Secchi Disk	1.0	Ft.	5001	5006
		08-08-69 1020	Turbidity	13	JTU (A)	5001	5006
			Secchi Disk	1.6	Ft.	5001	5006
B9 D 811.0 139.3	STEAMBOAT SLOUGH ABOVE CACHE SLOUGH	10-30-68 1340	Turbidity	10	JTU (A)	5001	5006
			Secchi Disk	1.4	Ft.	5001	5006
		11-25-68 1200	Turbidity	7.5	JTU (A)	5001	5006
			Secchi Disk	1.8	Ft.	5001	5006
		12-18-68 1530	Turbidity	25	JTU (A)	5001	5006
			Secchi Disk	0.7	Ft.	5001	5006

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 811.0 139.3	STEAMBOAT SLOUGH ABOVE CACHE SLOUGH (Continued)	02-25-69 1355	Turbidity	55	JTU (A)	5001	5006
		03-29-69 1530	Turbidity	25	JTU (A)	5001	5006
			Secchi Disk	1.5	Ft.	5001	5006
		05-08-69 1050	Turbidity	22	JTU (A)	5001	5006
			Secchi Disk	1.5	Ft.	5001	5006
		06-10-69 1705	Turbidity	16	JTU (A)	5001	5006
			Secchi Disk	2.1	Ft.	5001	5006
		07-22-69 1335	Turbidity	6	JTU (A)	5001	5006
			Secchi Disk	2.5	Ft.	5001	5006
		08-19-69 1245	Turbidity	12	JTU (A)	5001	5006
			Secchi Disk	2.25	Ft.	5001	5006
		09-17-69 1210	Turbidity	10	JTU (A)	5001	5006
			Secchi Disk	2.8	Ft.	5001	5006
B9 D 812.3 126.8	BEAVER SLOUGH NEAR THORNTON	10-11-68 1045	Turbidity	15	JTU (A)	5001	5006
		11-13-68 1430	Turbidity	16	JTU (A)	5001	5006
			Secchi Disk	1.4	Ft.	5001	5006
		12-11-68 1305	Turbidity	10	JTU (A)	5001	5006
			Secchi Disk	1.8	Ft.	5001	5006
		02-10-69 1200	Turbidity	40	JTU (A)	5001	5006
		02-13-69 1055	Turbidity	45	JTU (A)	5001	5006
			Secchi Disk	0.9	Ft.	5001	5006
		03-25-69 1130	Turbidity	15	JTU (A)	5001	5006
			Secchi Disk	1.6	Ft.	5001	5006
		04-16-69 1130	Turbidity	20	JTU (A)	5001	5006
			Secchi Disk	1.3	Ft.	5001	5006
		05-23-69 1050	Turbidity	30	JTU (A)	5001	5006
			Secchi Disk	0.75	Ft.	5001	5006
		06-10-69 1110	Turbidity	35	JTU (A)	5001	5006
			Secchi Disk	0.8	Ft.	5001	5006
		07-18-69 1030	Turbidity	14	JTU (A)	5001	5006
			Secchi Disk	1.5	Ft.	5001	5006
		08-08-69 1100	Turbidity	16	JTU (A)	5001	5006
			Secchi Disk	1.75	Ft.	5001	5006
B9 D 815.3 126.3	MOKELUMNE RIVER NEAR THORNTON	10-10-68 1500	Turbidity	7	JTU (A)	5001	5006
		11-13-68 1505	Turbidity	8.5	JTU (A)	5001	5006
			Secchi Disk	1.4	Ft.	5001	5006
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.05	Mg/L	5001	5006
			Copper	<0.25	Mg/L	5001	5006
			Iron	0.3	Mg/L	5001	5006
			Lead	<0.02	Mg/L	5001	5006
			Manganese	<0.05	Mg/L	5001	5006
			Zinc	<0.25	Mg/L	5001	5006
		12-11-68 1335	Turbidity	5	JTU (A)	5001	5006
			Secchi Disk	3.5	Ft.	5001	5006
		01-23-69 --	Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.05	Mg/L	5001	5006
			Copper	<0.5	Mg/L	5001	5006
			Iron	1.5	Mg/L	5001	5006
			Lead	<0.02	Mg/L	5001	5006
			Mangnaese	0.04	Mg/L	5001	5006
			Zinc	<0.1	Mg/L	5001	5006
		02-10-69 1230	Turbidity	20	JTU (A)	5001	5006
			Cadmium	<0.01	Mg/L	5001	5006
			Chromium	<0.05	Mg/L	5001	5006
			Copper	<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)	02-10-69 1230	Iron	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
		03-25-69 1245	Turbidity	10	JTU (A)	5001	5006
		04-16-69 1400	Turbidity	15	JTU (A)	5001	5006
			Secchi Disk	3.0	Ft.	5001	5006
		05-23-69 1120	Turbidity	55	JTU (A)	5001	5006
			Secchi Disk	2.9	Ft.	5001	5006
		06-10-69 1145	Turbidity	5	JTU (A)	5001	5006
			Secchi Disk	Bottom	Visible	5001	5006
		07-18-69 1110	Turbidity	35	JTU (A)	5001	5006
			Secchi Disk	4.0	Ft.	5001	5006
		08-08-69 1135	Turbidity	6	JTU (A)	5001	5006
			Secchi Disk	1.2	Ft.	5001	5006
B9 D 816.6 129.8	SNODGRASS SLOUGH AT TWIN CITIES ROAD NEAR HOOD	10-11-68 0940	Turbidity	18	JTU (A)	5001	5006
		11-13-68 1540	Turbidity	17	JTU (A)	5001	5006
			Secchi Disk	1.2	Ft.	5001	5006
		12-11-68 1410	Turbidity	15	JTU (A)	5001	5006
			Secchi Disk	2.1	Ft.	5001	5006
		02-10-69 1320	Turbidity	55	JTU (A)	5001	5006
		02-13-69 1140	Turbidity	100	JTU (A)	5001	5006
			Secchi Disk	0.4	Ft.	5001	5006
		03-25-69 1245	Turbidity	25	JTU (A)	5001	5006
			Secchi Disk	1.1	Ft.	5001	5006
		04-16-69 1345	Turbidity	20	JTU (A)	5001	5006
			Secchi Disk	1.5	Ft.	5001	5006
		05-23-69 1250	Turbidity	24	JTU (A)	5001	5006
			Secchi Disk	1.2	Ft.	5001	5006
		06-10-69 1250	Turbidity	30	JTU (A)	5001	5006
			Secchi Disk	0.9	Ft.	5001	5006
		07-18-69 1250	Turbidity	18	JTU (A)	5001	5006
			Secchi Disk	2.0	Ft.	5001	5006
		08-08-69 1245	Turbidity	19	JTU (A)	5001	5006
			Secchi Disk	1.7	Ft.	5001	5006
B9 D 819.1 130.1	SNODGRASS SLOUGH AT SOUTHERN PACIFIC RAILROAD BRIDGE	10-11-68 0850	Turbidity	14	JTU (A)	5001	5006
		11-13-68 1610	Turbidity	7	JTU (A)	5001	5006
			Secchi Disk	1.3	Ft.	5001	5006
		12-11-68 1440	Turbidity	20	JTU (A)	5001	5006
			Secchi Disk	1.2	Ft.	5001	5006
		02-10-69 1350	Turbidity	55	JTU (A)	5001	5006
		02-13-69 1235	Turbidity	65	JTU (A)	5001	5006
			Secchi Disk	0.5	Ft.	5001	5006
		03-25-69 1405	Turbidity	15	JTU (A)	5001	5006
			Secchi Disk	1.8	Ft.	5001	5006
		04-16-69 1430	Turbidity	15	JTU (A)	5001	5006
			Secchi Disk	1.9	Ft.	5001	5006
		05-23-69 1250	Turbidity	23	JTU (A)	5001	5006
			Secchi Disk	0.9	Ft.	5001	5006
		06-10-69 1250	Turbidity	28	JTU (A)	5001	5006
			Secchi Disk	0.9	Ft.	5001	5006

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 819.1 130.1	SNODGRASS SLOUGH AT SOUTHERN PACIFIC RAILROAD BRIDGE (Continued)	07-18-69 1250	Turbidity	18	JTU (A)	5001	5006
			Secchi Disk	1.2	Ft.	5001	5006
		08-08-69 1245	Turbidity	16	JTU (A)	5001	5006
			Secchi Disk	1.1	Ft.	5001	5006
B9 D 820.7 132.7	SACRAMENTO RIVER AT GREENS LANDING	03-29-69 1210	Turbidity	15	JTU (A)	5001	5006
			Secchi Disk	1.5	Ft.	5001	5006
		05-01-69 1110	Turbidity	18	JTU (A)	5001	5006
			Secchi Disk	1.2	Ft.	5001	5006
		06-10-69 1415	Turbidity	15	JTU (A)	5001	5006
			Secchi Disk	1.75	Ft.	5001	5006
		07-22-69 1545	Turbidity	7	JTU (A)	5001	5006
			Secchi Disk	1.9	Ft.	5001	5006
		08-22-69 1030	Turbidity	8.5	JTU (A)	5001	5006
			Secchi Disk	2.3	Ft.	5001	5006
		09-18-69 1030	Turbidity	11	JTU (A)	5001	5006
B9 D 827.3 130.0	SACRAMENTO RIVER AT FREEPORT	10-02-68 1215	Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.01	Mg/L	5050	5050
			Iron (Dissolved)	0.01	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Manganese	0.00	Mg/L	5050	5050
			Phenol	0.000	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.01	Mg/L	5050	5050
		11-06-68 1300	Turbidity	14	JTU (F)	5050	5050
			Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.02	Mg/L	5050	5050
			Iron (Dissolved)	0.00	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Manganese	0.00	Mg/L	5050	5050
			Phenol	0.001	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.01	Mg/L	5050	5050
		12-04-68 1320	Arsenic	0.00	Mg/L	5050	5050
			Copper	0.01	Mg/L	5050	5050
			Iron (Dissolved)	0.00	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Manganese	0.00	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Zinc	0.00	Mg/L	5050	5050
		01-08-69 1335	Turbidity	43	JTU (F)	5050	5050
		02-05-69 1350	Turbidity	94	JTU (A)	5050	5000
			Iron (Dissolved)	0.05	Mg/L	5050	5000
			Lithium	<0.02	Mg/L	5050	5000
			Strontium	0.08	Mg/L	5050	5000
		03-05-69 1410	Turbidity	140	JTU (A)	5050	5000
			Iron (Dissolved)	0.01	Mg/L	5050	5000
			Lithium	<0.02	Mg/L	5050	5000
			Strontium	0.08	Mg/L	5050	5000
		04-09-69 1000	Turbidity	30	JTU (A)	5050	5000
			Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.00	Mg/L	5050	5050
			Iron (Dissolved)	0.05	Mg/L	5050	5050
			Lead	0.01	Mg/L	5050	5050
			Lithium	<0.01	Mg/L	5050	5000
			Manganese	0.01	Mg/L	5050	5050
			Phenol	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

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)	05-07-69 0940	Turbidity	10	JTU (A)	5050	5000
			Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.00	Mg/L	5050	5050
			Iron Dissolved)	0.03	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Lithium	<0.01	Mg/L	5050	5000
			Manganese	0.00	Mg/L	5050	5050
			Phenol	0.000	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Strontium	0.08	Mg/L	5050	5000
			Zinc	0.00	Mg/L	5050	5050
		06-04-69 1230	Turbidity	20	JTU (A)	5050	5000
			Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.00	Mg/L	5050	5050
			Iron (Dissolved)	0.04	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Lithium	<0.01	Mg/L	5050	5000
			Manganese	0.00	Mg/L	5050	5050
			Phenol	0.003	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Strontium	0.08	Mg/L	5050	5000
			Zinc	0.00	Mg/L	5050	5050
		07-09-69 0825	Turbidity	10	JTU (A)	5050	5000
			Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.02	Mg/L	5050	5050
			Iron (Dissolved)	0.04	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Lithium	<0.01	Mg/L	5050	5000
			Manganese	0.00	Mg/L	5050	5050
			Phenol	0.000	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Strontium	0.07	Mg/L	5050	5000
			Zinc	0.02	Mg/L	5050	5050
		07-25-69 1140	Turbidity	30	JTU (E)	5050	5050
		08-06-69 0945	Turbidity	10	JTU (A)	5050	5000
			Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.00	Mg/L	5050	5050
			Iron (Dissolved)	0.03	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Lithium	0.00	Mg/L	5050	5000
			Manganese	0.00	Mg/L	5050	5050
			Phenol	0.000	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
		08-19-69 1100	Turbidity	15	JTU (E)	5050	5050
		09-03-69 1145	Turbidity	20	JTU (A)	5050	5000
			Arsenic	0.00	Mg/L	5050	5050
			Chromium	0.00	Mg/L	5050	5050
			Copper	0.00	Mg/L	5050	5050
			Iron (Dissolved)	0.02	Mg/L	5050	5050
			Lead	0.00	Mg/L	5050	5050
			Lithium	0.00	Mg/L	5050	5000
			Manganese	0.00	Mg/L	5050	5050
			Phenol	0.000	Mg/L	5050	5050
			Selenium	0.00	Mg/L	5050	5050
			Strontium	0.09	Mg/L	5050	5000
			Zinc	0.00	Mg/L	5050	5050
		09-16-69 0830	Turbidity	25	JTU (E)	5050	5050
G4 1590.01	SUSAN RIVER NEAR LITCHFIELD	12-11-68 1430	Turbidity	360	JTU (E)	5050	5050
		01-21-69 1800	Turbidity	1400	JTU (E)	5050	5050
		02-18-69 1500	Turbidity	110	JTU (E)	5050	5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
G4 1590.01	SUSAN RIVER NEAR LITCHFIELD (Continued)	03-11-69 1530	Turbidity	70	JTU (E)	5050	5050
		04-09-69 1525	Turbidity	40	JTU (E)	5050	5050
		05-14-69 0905	Turbidity	210	JTU (E)	5050	5050
			Arsenic	0.00	Mg/L	5050	5050
		06-10-69 1300	Turbidity	50	JTU (E)	5050	5050
		07-08-69 1600	Turbidity	9	JTU (E)	5050	5050
		08-13-69 1515	Turbidity	20	JTU (E)	5050	5050
		09-17-69 0725	Turbidity	5	JTU (E)	5050	5050
			Arsenic	0.01	Mg/L	5050	5050
G4 1600.00	SUSAN RIVER AT SUSANVILLE	10-08-68 1510	Turbidity	1	JTU (E)	5050	5050
		11-15-68 1300	Turbidity	3	JTU (E)	5050	5050
		12-11-68 1520	Turbidity	35	JTU (E)	5050	5050
		01-22-69 0715	Turbidity	140	JTU (E)	5050	5050
		02-18-69 1520	Turbidity	15	JTU (E)	5050	5050
		03-11-69 1600	Turbidity	10	JTU (E)	5050	5050
		04-09-69 1630	Turbidity	15	JTU (E)	5050	5050
		05-14-69 0800	Turbidity	60	JTU (E)	5050	5050
		06-10-69 1500	Turbidity	4	JTU (E)	5050	5050
		07-08-69 1630	Turbidity	9	JTU (E)	5050	5050
		08-14-69 0715	Turbidity	25	JTU (E)	5050	5050
		09-17-69 0845	Turbidity	8	JTU (E)	5050	5050
G7 L 856.3 000.4	LAKE TAHOE AT TAHOE KEYS MARINA	08-19-69 0930	MBAS	0.03	Mg/L	5050	5060
		08-20-69 --	Turbidity	1.4	JTU (A)	5050	5050
G7 L 856.6 000.6	LAKE TAHOE NEAR TAHOE KEYS	11-20-68 1505	Secchi Disk	Bottom Visible		5050	5050
			MBAS	0.01	Mg/L	5050	5060
		11-21-68 1635	Turbidity	0.4	JTU (A)	5050	5050
		03-26-69 1300	MBAS	0.20	Mg/L	5050	5060
		03-28-69 0845	Turbidity	0.3	JTU (A)	5050	5050
			Secchi Disk	Bottom Visible		5050	5050
		05-27-69 0745	MBAS	0.03	Mg/L	5050	5060
		05-28-69 1150	Turbidity	0.08	JTU (A)	5050	5050
			Secchi Disk	Bottom Visible		5050	5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
G7 L 856.6 000.6	LAKE TAHOE NEAR TAHOE KEYS (Continued)	06-24-69 1515	MBAS	<0.01	Mg/L	5050	5060
		06-26-69 0800	Turbidity	0.1	JTU (A)	5050	5050
			Secchi Disk	Bottom Visible		5050	5050
		07-22-69 1500	Turbidity	0.1	JTU (A)	5050	5050
			Secchi Disk	Bottom Visible		5050	5050
		07-23-69 1115	MBAS	<0.01	Mg/L	5050	5060
		08-19-69 0915	MBAS	0.04	Mg/L	5050	5060
		08-20-69 0945	Turbidity	0.3	JTU (A)	5050	5050
			Secchi Disk	Bottom Visible		5050	5050
G7 L 856.6 003.4	LAKE TAHOE NEAR TAYLOR CREEK	11-21-68 0930	Turbidity	0.2	JTU (A)	5050	5050
			Secchi Disk	Bottom Visible		5050	5050
		03-26-69 1245	MBAS	0.01	Mg/L	5050	5060
		03-28-69 0930	Turbidity	0.7	JTU (A)	5050	5050
			Secchi Disk	Bottom Visible		5050	5050
		05-26-69 1525	Secchi Disk	Bottom Visible		5050	5050
		05-27-69 0815	MBAS	<0.01	Mg/L	5050	5060
		05-28-69 1300	Turbidity	0.2	JTU (A)	5050	5050
		06-23-69 1500	Turbidity	0.4	JTU (A)	5050	5050
			Secchi Disk	Bottom Visible		5050	5050
		06-24-69 1500	MBAS	<0.01	Mg/L	5050	5060
		07-23-69 1100	MBAS	<0.01	Mg/L	5050	5060
		07-24-69 1330	Turbidity	0.2	JTU (A)	5050	5050
			Secchi Disk	Bottom Visible		5050	5050
		08-19-69 0945	MBAS	0.04	Mg/L	5050	5060
		08-20-69 --	Turbidity	0.4	JTU (A)	5050	5050
			Secchi Disk	Bottom Visible		5050	5050
G7 L 900.0 000.0	LAKE TAHOE, SOUTH CENTER	11-20-68 1425	Secchi Disk	108	Ft.	5050	5050
			MBAS	0.01	Mg/L	5050	5060
		11-21-68 1520	Turbidity	0.5	JTU (A)	5050	5050
		03-26-69 1330	MBAS	0.02	Mg/L	5050	5060
		03-28-69 1045	Turbidity	0.2	JTU (A)	5050	5050
			Secchi Disk	112	Ft.	5050	5050
		05-27-69 1400	MBAS	<0.01	Mg/L	5050	5060
		06-04-69 1545	Turbidity	0.2	JTU (A)	5050	5050
			Secchi Disk	56.4	Ft.	5050	5050
		06-24-69 0830	MBAS	<0.01	Mg/L	5050	5060
		06-27-69 1315	Turbidity	0.1	JTU (A)	5050	5050
		07-23-69 1125	MBAS	<0.01	Mg/L	5050	5060
		07-24-69 1300	Turbidity	0.1	JTU (A)	5050	5050
			Secchi Disk	82.3	Ft.	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 (Continued)	08-19-69 0900	Turbidity	0.2	JTU (A)	5050	5050
			Secchi Disk	75.1	Ft.	5050	5050
			MBAS	0.02	Mg/L	5050	5060
		08-20-69 0830	Secchi Disk	91.8	Ft.	5050	5050
G7 L 900.5 957.0	LAKE TAHOE AT ZEPHYR COVE	11-19-68 1005	Turbidity	0.2	JTU (A)	5050	5050
			Secchi Disk	Bottom Visible		5050	5050
		03-25-69 1100	Turbidity	0.2	JTU (A)	5050	5050
			Secchi Disk	Bottom Visible		5050	5050
		03-26-69 0805	MBAS	0.01	Mg/L	5050	5060
		05-26-69 1345	Secchi Disk	Bottom Visible		5050	5050
		05-27-69 1345	MBAS	<0.01	Mg/L	5050	5060
		06-24-69 0845	MBAS	<0.01	Mg/L	5050	5060
		06-27-69 0845	Turbidity	0.2	JTU (A)	5050	5050
			Secchi Disk	11.2	Ft.	5050	5050
		07-23-69 1130	MBAS	<0.01	Mg/L	5050	5060
		07-24-69 1100	Turbidity	0.3	JTU (A)	5050	5050
			Secchi Disk	Bottom Visible		5050	5050
		08-19-69 0830	MBAS	0.02	Mg/L	5050	5060
		08-20-69 --	Turbidity	0.4	JTU (A)	5050	5050
			Secchi Disk	Bottom Visible		5050	5050
G7 L 900.8 006.6	LAKE TAHOE AT RUBICON BAY	11-20-68 1350	MBAS	<0.01	Mg/L	5050	5060
		11-21-68 1015	Turbidity	0.2	JTU (A)	5050	5050
			Secchi Disk	6.9	Ft.	5050	5050
		03-26-69 1210	MBAS	<0.01	Mg/L	5050	5060
		03-27-69 1535	Turbidity	0.2	JTU (A)	5050	5050
			Secchi Disk	Bottom Visible		5050	5050
		05-27-69 0845	Turbidity	0.2	JTU (A)	5050	5050
			Secchi Disk	Bottom Visible		5050	5050
			MBAS	<0.01	Mg/L	5050	5060
		06-24-69 1430	MBAS	<0.01	Mg/L	5050	5060
		06-26-69 1400	Turbidity	0.2	JTU (A)	5050	5050
			Secchi Disk	Bottom Visible		5050	5050
		07-22-69 1330	Turbidity	0.1	JTU (A)	5050	5050
			Secchi Disk	Bottom Visible		5050	5050
		07-23-69 1030	MBAS	<0.01	Mg/L	5050	5060
		08-19-69 1000	MBAS	0.05	Mg/L	5050	5060
		08-20-69 1230	Turbidity	0.3	JTU (A)	5050	5050
			Secchi Disk	Bottom Visible		5050	5050
G7 L 904.5 008.3	LAKE TAHOE AT CHAMBERS LODGE	11-19-68 1605	Turbidity	0.16	JTU (A)	5050	5050
			Secchi Disk	Bottom Visible		5050	5050
		03-26-69 1150	MBAS	<0.01	Mg/L	5050	5060
		03-27-69 1430	Turbidity	0.2	JTU (A)	5050	5050
			Secchi Disk	Bottom Visible		5050	5050

TABLE D-3 (CONT)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
G7 L 904.5 008.3	LAKE TAHOE AT CHAMBERS LODGE (Continued)	05-27-69 0915	MBAS	<0.01	Mg/L	5050	5060
		05-28-69 1515	Turbidity	0.2	JTU (A)	5050	5050
			Secchi Disk	Bottom	Visible	5050	5050
		06-24-69 1350	MBAS	<0.01	Mg/L	5050	5060
		06-26-69 1400	Turbidity	0.1	JTU (A)	5050	5050
			Secchi Disk	Bottom	Visible	5050	5050
		07-23-69 1015	MBAS	<0.01	Mg/L	5050	5060
		07-24-69 0730	Turbidity	0.1	JTU (A)	5050	5050
			Secchi Disk	Bottom	Visible	5050	5050
		08-19-69 1015	MBAS	0.06	Mg/L	5050	5060
		08-20-69 --	Turbidity	0.4	JTU (A)	5050	5050
			Secchi Disk	Bottom	Visible	5050	5050
G7 L 904.9 009.4	LAKE TAHOE AT OBEXERS MARINA AT HOMEWOOD	08-19-69 1030	MBAS	0.03	Mg/L	5050	5060
		08-20-69 --	Turbidity	0.8	JTU (A)	5050	5050
G7 L 905.4 956.4	LAKE TAHOE AT GLENBROOK	11-19-68 1120	Turbidity	0.3	JTU (A)	5050	5050
		11-20-68 0920	Secchi Disk	Bottom	Visible	5050	5050
		03-25-69 1135	Turbidity	0.3	JTU (A)	5050	5050
			Secchi Disk	Bottom	Visible	5050	5050
		03-26-69 0835	MBAS	0.01	Mg/L	5050	5060
		05-27-69 1315	MBAS	<0.01	Mg/L	5050	5060
		06-04-69 1000	Turbidity	0.5	JTU (A)	5050	5050
			Secchi Disk	Bottom	Visible	5050	5050
		06-26-69 0930	Turbidity	0.1	JTU (A)	5050	5050
			Secchi Disk	Bottom	Visible	5050	5050
		07-23-69 1230	MBAS	<0.01	Mg/L	5050	5060
		07-25-69 1030	Turbidity	0.2	JTU (A)	5050	5050
			Secchi Disk	Bottom	Visible	5050	5050
		08-18-69 1345	Turbidity	0.4	JTU (A)	5050	5050
			Secchi Disk	Bottom	Visible	5050	5050
		08-19-69 0815	MBAS	0.02	Mg/L	5050	5060
G7 L 908.7 000.3	LAKE TAHOE, NORTH CENTER	11-20-68 1225	MBAS	<0.01	Mg/L	5050	5060
		11-21-68 1150	Turbidity	0.3	JTU (A)	5050	5050
			Secchi Disk	115	Ft.	5050	5050
		03-26-69 0900	MBAS	0.01	Mg/L	5050	5060
		03-27-69 1200	Turbidity	0.8	JTU (A)	5050	5050
			Secchi Disk	121	Ft.	5050	5050
		05-27-69 1245	MBAS	<0.01	Mg/L	5050	5060
		06-04-69 1415	Turbidity	0.3	JTU (A)	5050	5050
			Secchi Disk	46	Ft.	5050	5050

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)	06-24-69 1000	MBAS	<0.01	Mg/L	5050	5060
		06-27-69 1130	Turbidity	0.1	JTU (A)	5050	5050
			Secchi Disk	46	Ft.	5050	5050
		07-23-69 1300	MBAS	<0.01	Mg/L	5050	5060
		07-24-69 0830	Turbidity	0.1	JTU (A)	5050	5050
			Secchi Disk	73.8	Ft.	5050	5050
		08-19-69 0800	MBAS	0.02	Mg/L	5050	5060
			Secchi Disk	94.8	Ft.	5050	5050
G7 L 910.8 007.1	LAKE TAHOE NEAR LAKE FOREST	11-19-68 1430	Turbidity	0.5	JTU (A)	5050	5050
			Secchi Disk	Bottom	Visible	5050	5050
		03-25-69 1550	Turbidity	0.3	JTU (A)	5050	5050
			Secchi Disk	Bottom	Visible	5050	5050
		03-26-69 1110	MBAS	0.02	Mg/L	5050	5060
		05-27-69 1100	MBAS	<0.01	Mg/L	5050	5060
		05-28-69 1700	Turbidity	0.4	JTU (A)	5050	5050
			Secchi Disk	Bottom	Visible	5050	5050
		06-24-69 1300	MBAS	<0.01	Mg/L	5050	5060
		06-26-69 1300	Turbidity	0.2	JTU (A)	5050	5050
			Secchi Disk	Bottom	Visible	5050	5050
		07-23-69 1415	MBAS	<0.01	Mg/L	5050	5060
		07-25-69 0800	Turbidity	0.2	JTU (A)	5050	5050
			Secchi Disk	Bottom	Visible	5050	5050
		08-18-69 1600	Turbidity	0.4	JTU (A)	5050	5050
			Secchi Disk	Bottom	Visible	5050	5050
		08-19-69 0700	MBAS	0.01	Mg/L	5050	5060
G7 L 914.2 002.2	LAKE TAHOE AT TAHOE VISTA	11-19-68 1335	Turbidity	0.4	JTU (A)	5050	5050
			Secchi Disk	Bottom	Visible	5050	5050
		03-25-69 1430	Turbidity	0.2	JTU (A)	5050	5050
			Secchi Disk	Bottom	Visible	5050	5050
		03-26-69 1015	MBAS	<0.01	Mg/L	5050	5060
		05-27-69 1200	MBAS	<0.01	Mg/L	5050	5060
		05-29-69 1430	Turbidity	0.8	JTU (A)	5050	5050
			Secchi Disk	Bottom	Visible	5050	5050
		06-24-69 1115	MBAS	<0.01	Mg/L	5050	5060
		06-26-69 1115	Turbidity	0.2	JTU (A)	5050	5050
			Secchi Disk	Bottom	Visible	5050	5050
		07-23-69 1345	MBAS	<0.01	Mg/L	5050	5060
		07-25-69 0900	Turbidity	0.2	JTU (A)	5050	5050
			Secchi Disk	Bottom	Visible	5050	5050
		08-18-69 --	Turbidity	0.4	JTU (A)	5050	5050
			Secchi Disk	Bottom	Visible	5050	5050
		08-19-69 0715	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 914.2 956.8	LAKE TAHOE AT INCLINE GUARD STATION	11-19-68 1135	Turbidity	0.3	JTU (A)	5050	5050
			Secchi Disk	Bottom Visible		5050	5050
		03-26-69 0945	MBAS	<0.01	Mg/L	5050	5060
		03-27-69 1010	Turbidity	0.5	JTU (A)	5050	5050
			Secchi Disk	Bottom Visible		5050	5050
		05-27-69 1200	MBAS	<0.01	Mg/L	5050	5060
		06-04-69 1120	Turbidity	0.3	JTU (A)	5050	5050
			Secchi Disk	Bottom Visible		5050	5050
		06-24-69 1045	MBAS	<0.01	Mg/L	5050	5060
		06-27-69 0915	Turbidity	0.3	JTU (A)	5050	5050
			Secchi Disk	Bottom Visible		5050	5050
		07-23-69 1330	MBAS	<0.01	Mg/L	5050	5060
		07-25-69 0930	Turbidity	0.1	JTU (A)	5050	5050
			Secchi Disk	Bottom Visible		5050	5050
		08-18-69 1115	Turbidity	0.3	JTU (A)	5050	5050
			Secchi Disk	Bottom Visible		5050	5050
		08-19-69 0730	MBAS	0.13	Mg/L	5050	5060
G7 3253.01	INCLINE CREEK AT INCLINE VILLAGE	11-22-68 1335	Turbidity	3.5	JTU (A)	5050	5050
		03-26-69 0845	Turbidity	24	JTU (A)	5050	5050
			MBAS	<0.01	Mg/L	5050	5060
		06-06-69 --	Turbidity	15	JTU (A)	5050	5050
		06-24-69 1145	Turbidity	5.5	JTU (A)	5050	5050
			MBAS	<0.01	Mg/L	5050	5060
		07-23-69 1230	Turbidity	10	JTU (A)	5050	5050
			MBAS	<0.01	Mg/L	5050	5060
		08-19-69 0730	Turbidity	15	JTU (A)	5050	5050
			MBAS	0.01	Mg/L	5050	5060
G7 3300.01	GENERAL CREEK NEAR MEEKS BAY	11-22-68 1155	Turbidity	0.25	JTU (A)	5050	5050
		03-26-69 1035	Turbidity	0.2	JTU (A)	5050	5050
			MBAS	<0.01	Mg/L	5050	5060
		06-05-69 0930	Turbidity	0.5	JTU (A)	5050	5050
		06-24-69 0945	Turbidity	0.3	JTU (A)	5050	5050
			MBAS	<0.01	Mg/L	5050	5060
		07-23-69 1030	Turbidity	2.0	JTU (A)	5050	5050
			MBAS	<0.01	Mg/L	5050	5060
		08-19-69 1130	Turbidity	2.4	JTU (A)	5050	5050
			MBAS	0.02	Mg/L	5050	5060
G7 3571.01	TAYLOR CREEK NEAR CAMP RICHARDSON	11-22-68 1115	Turbidity	0.32	JTU (A)	5050	5050
		03-26-69 1250	Turbidity	0.3	JTU (A)	5050	5050
			MBAS	0.01	Mg/L	5050	5060
		06-05-69 0945	Turbidity	0.4	JTU (A)	5050	5050
		06-24-69 0900	Turbidity	0.2	JTU (A)	5050	5050
			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 3571.01	TAYLOR CREEK NEAR CAMP RICHARDSON (Continued)	07-23-69 1615	Turbidity	0.2	JTU (A)	5050	5050
			MBAS	<0.01	Mg/L	5050	5060
		08-19-69 1020	Turbidity	3.2	JTU (A)	5050	5050
			MBAS	0.02	Mg/L	5050	5060
G7 3705.01	UPPER TRUCKEE RIVER NEAR MOUTH	11-22-68 1035	Turbidity	2.0	JTU (A)	5050	5050
		03-26-69 1230	MBAS	0.01	Mg/L	5050	5060
		06-05-69 0915	Turbidity	4.4	JTU (A)	5050	5050
		06-24-69 0800	Turbidity	2.0	JTU (A)	5050	5050
			MBAS	<0.01	Mg/L	5050	5060
		07-23-69 1600	Turbidity	3.0	JTU (A)	5050	5050
			MBAS	<0.01	Mg/L	5050	5060
		08-19-69 0935	Turbidity	3.4	JTU (A)	5050	5050
			MBAS	0.03	Mg/L	5050	5060

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	1963	1964	1965	1966	1967	1968	1969
Sacramento-San Joaquin System Unimpaired Runoff in Percent of Average (c)		35	51	65	174	173	133	64	155	77	156	74 (d)	179 (d)
SUISUN BAY													
CARQUINEZ STRAIT AT CROCKETT	E0B80352133				13,200	11,900	13,100	14,600	13,000	15,300	13,900	14,800	13,200
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078	16,900	16,400		8,900	7,150	11,500	12,900	11,200	12,000	11,000	12,600	11,100
SUISUN BAY AT PORT CHICAGO	E0B80342023				6,900	5,830	9,200	11,200	9,710	10,700	7,840	10,700	8,100
SUISUN BAY AT MIDDLE POINT	E0B80301590							10,100	9,840	10,100	6,420	9,730	7,960
SACRAMENTO RIVER AT PITTSBURG	B9D80231530				1,200	1,200	1,350	3,280	1,080	2,880	2,120	2,820	1,640
SACRAMENTO RIVER DELTA													
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510	12,600	10,400	4,700	783	550	1,980	3,730	2,080	3,900	1,440	3,820	2,030
SACRAMENTO RIVER BELOW EMMATON	B9D80461452					29	382	1,470	276	1,370	293	1,540	569
THREE MILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	8,600	5,900	1,610	175	18	134	459	103	651	57	660	143
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	7,400	4,050	550	175	17	38	690	26	195	28	198	40
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	6,350	2,500	50	125	14	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	1,040	2,500	920	2,930	654	2,730	1,580
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450					122	317	892	216	1,675	520	2,320	1,120
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261415					52	135	863	147	1,200	144	1,210	495
THREE MILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411					45	56	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						41	72	29	143	35	164	40
DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	B9D80071384	5,100	2,250	690	88	110	98	434	68	420	103	409	131
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74711184	120	160	130	122	219	196	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 1915 through September 1965, 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 1968							
		2	6	10	14	18	22	26	30
SUISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	E0B80352133	13,200 e	12,500		11,700		13,200	13,000	11,400 a
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078	11,100	7,850	6,290	10,400	9.680	9,550	11,700	8,520
SUISUN BAY AT PORT CHICAGO	E0B80342023	8,080	5,880	8,100	7,570		7,520 af		6,720
SUISUN BAY AT MIDDLE POINT	E0B80301590	6,960	6,470	7,540	7,080	6,540		7,960	
SACRAMENTO RIVER AT PITTSBURG	B9D80231530		1,160	1,640			1,430 a	1,460	1,460
SACRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510	1,450 a	1,280	2,030 d	1,630 a		1,960	1,150 a	1,810
SACRAMENTO RIVER BELOW EMMATON	B9D80461452	211 a	305	343 a	375 a	359 b	569	198 a	227
THREE MILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	98 a	58 a	138 a	121 a				143
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	11	28	10	11	30	34	26	38
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	8	7		5	7	7	6	6 d
SAN JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	692 a	888	1,300	1,220 a	1,000	1,240	1,580	978
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450	747		903	860	731	865	1,120	575
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261415				284 a		446	495	226
THREE MILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411	75 a	62	96 a	92 a	85	85	38 a	80
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	125 a	115 a	212 a	101 ad	145 d	137	158	191
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356	18 a	16	28	27 a	26	20 d	23	14
DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	B9D80071384	127 a	131	124	116 e	116	125	120	122
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74711184	167	150 a	168 a	116 a	90 a	144 a	96 a	86

Station	Station Number	NOVEMBER 1968							
		2	6	10	14	18	22	26	30
SUISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	E0B80352133	12,700	11,600	10,400	10,200	12,100	11,900	9,740	
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078	8,500 a	8,300	7,910	8,720	10,100 a	6,810 a	6,350 a	10,900 a
SUISUN BAY AT PORT CHICAGO	E0B80342023	6,290		5,420		6,880	6,690	4,440 a	
SUISUN BAY AT MIDDLE POINT	E0B80301590	6,880	4,800	6,490		6,490	6,180		4,860
SACRAMENTO RIVER AT PITTSBURG	B9D80231530	1,290		1,020		942	874		496
SACRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510	1,470	1,410	825 a		1,120	449 a	532	669 d
SACRAMENTO RIVER BELOW EMMATON	B9D80461452	279	385	72 ab	44	204	132	50 ad	82
THREE MILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	114	102	66 a		30	50 a		25
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411		40	10		15	26	12	11
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	6	6	6	7	5	7	7	13
SAN JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	1,090	870	908	378	697	831 c	231	332
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450	649	698	508	232	340	517		206
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261415			273 d	117		231	56	82
THREE MILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411	66	40 a		31	34	26 a	20	29
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	131	157	81 a	96	53	38 ad	42	62
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356	16	19	17 d	12	14	14	10 a	10
DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	B9D80071384	117	106	97	87 d	84	68	54	51
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74711184	88 a	80 a	103 a	157	132 a	151 a	162	162 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	DECEMBER 1968							
		2	6	10	14	18	22	26	30
SUISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	E0B80352133		10,600	11,000 ad	10,000 d		7,540	8,910	6,470
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078	6,490 a	7,130 a	8,540 a	5,220 a	3,930 a	3,200 a	3,000	2,830 a
SUISUN BAY AT PORT CHICAGO	E0B80342023		3,960 ab			3,340	2,490		93 ab
SUISUN BAY AT MIDDLE POINT	E0B80301590	4,710	5,860	7,230	5,150		894	1,150	
SACRAMENTO RIVER AT PITTSBURG	B9D80231530			1,260 ad		277 d	79	114	
SACRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510			340 a	68	113	14 a		16
SACRAMENTO RIVER BELOW EMMATON	B9D80461452	88	102	118 a	24	18	12	19	9
THREE MILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	21	26 a	25 ae	11	7	10 a	11	
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	10	8	11	7	6	12	11	5
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	5	6	8	3	6	9	10	6
SAN JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	305	430	734 ad	182	85	54	65	30
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450	213	137	236	109	64	37	37	
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261415	63							
THREE MILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411	29	21 b	16 a	14	11	13 a	14	11
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	34	30	31 ad	24	18	14 a	18	14 d
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356	10 ad	11	12 ad	9	10	12	14	12
DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	B9D80071384	43	39 d	35	32	29	26	26	29
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74711184	119 a	113 a	86 a	84	79 a	73 a	46	35 a

Station	Station Number	JANUARY 1969							
		2	6	10	14	18	22	26	30
SUISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	E0B80352133		6,840	7,080	7,180	4,050		119	112
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078	1,700 a		5,440	6,910	1,940	34 d	16	20
SUISUN BAY AT PORT CHICAGO	E0B80342023			2,500		51 a	33	17 e	
SUISUN BAY AT MIDDLE POINT	E0B80301590	527	954		3,940	59	20	10	
SACRAMENTO RIVER AT PITTSBURG	B9D80231530				148	28		24	
SACRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510		13 a	15		10 a	10	6	9
SACRAMENTO RIVER BELOW EMMATON	B9D80461452	9 a	11 a	14	16	9			
THREE MILE SLOUGH AT SACRAMENTO RIVER	B9D80641420		9 a	10	13	10 a			
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	7 d	10	11	12	6	11	5	5
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	4	9	9	7	2	3	2	2
SAN JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	21	20	24	56	21		21	22
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450		20	22	45	18	17	15	13
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261415		23		33	20	22	10	15
THREE MILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411	8	13	14	18				
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	14 a	16 a	18	19	20	20	27	19 a
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356	14	17	16	15	14 a	5 a	6	5
DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	B9D80071384	30	26	31	36	35	45 a	56	24
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74711184	48 ad	76 a	72	67 a	40 a	14	13	14 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 1969							
		2	6	10	14	18	22	26	30
SUISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	E0B80352133	87	1,980	1,320	1,420	38		195	
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078	27	17 a	1,120	732	24	23	18	
SUISUN BAY AT PORT CHICAGO	E0B80342023	27	27 a	27	28	25	26		
SUISUN BAY AT MIDDLE POINT	E0B80301590	34	20	21		17	24		
SACRAMENTO RIVER AT PITTSBURG	B9D80231530	20		23	27	25	29	28 bd	
SACRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510	8	9	14	12	10	10	13	
SACRAMENTO RIVER BELOW EMMATON	B9D80461452								
THREE MILE SLOUGH AT SACRAMENTO RIVER	B9D80641420								
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	5	6	11	5	4	7	10	
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	3	4	4	3	3	4	5	
SAN JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	22	17	22	26	28	25	29	
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450	11		20			20		
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261415				26			24	
THREE MILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411								
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	15 a	17	20	23	21 a	24	27	
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356	10	10 a	7	6	15	10	7	
DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	B9D80071384	28	38	41	39	38	40	38	
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74711184	18 a	21	19	22 a	23 a	21	20	

Station	Station Number	MARCH 1969							
		2	6	10	14	18	22	26	30
SUISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	E0B80352133	586		1,970	4,380			4,100	5,570
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078	25	21 a		957	233 a	1,370	1,020	2,700
SUISUN BAY AT PORT CHICAGO	E0B80342023	31	24	23		34	31	32	37
SUISUN BAY AT MIDDLE POINT	E0B80301590		24	22	22	27		26	
SACRAMENTO RIVER AT PITTSBURG	B9D80231530		27 ab	25	23	29 d	29	31	26
SACRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510		12	11	27	18	17	19	40
SACRAMENTO RIVER BELOW EMMATON	B9D80461452								
THREE MILE SLOUGH AT SACRAMENTO RIVER	B9D80641420								
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411		6	8	8	11	7	7	8 d
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356		5	8	8	6	7	8	7
SAN JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	21	25 a	21	26	25	28	30	30
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450		19	19		29 a		25	
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261415						26	26	
THREE MILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411		18 a	18				22	21
FALSE RIVER AT BRADFORD ISLAND	B9D80351400		20	20	26 d	26	24	22	24
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356		11 a	8 a	22 b	21 a	21		
DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	B9D80071384		36	33	37 b	37	39	34	32
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74711184	20 a	21	25 a	24 a	25	23	28	24 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	APRIL 1969							
		2	6	10	14	18	22	26	30
SUISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	E0B80352133		3,520		2,920 b	3,450		3,600 b	5,680
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078	860 ab	1,560	465	340 ab	222 a	1,840 a	3,350 b	2,880 a
SUISUN BAY AT PORT CHICAGO	E0B80342023	38 b	22 a	25	23 b	23	71	1,380 b	1,010
SUISUN BAY AT MIDDLE POINT	E0B80301590		33	17	19 b		15	16 b	80
SACRAMENTO RIVER AT PITTSBURG	B9D80231530	26 bc		21	20	20		17 bd	
SACRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510	16 ab	14 a	10	13 ab	11	12		11
SACRAMENTO RIVER BELOW EMMATON	B9D80461452			9	11 ab	9	8	8 b	8 b
THREE MILE SLOUGH AT SACRAMENTO RIVER	B9D80641420			14	8			16 ab	7 a
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	6 b	4	5	7 b	5	3	7 b	4
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	4 b	3	6	4 b	4	4	3 b	4
SAN JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481		24	20	20 b	20	18	20 b	18 a
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450		22					14 b	17
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261415								14 a
THREE MILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411	21 ab			14 ab	13	14	14 ab	13 a
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	23 b	21 b	22	19 e	16	18	18	16
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356			6	8 ab	9 a	5	5 bd	11 a
DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	B9D80071384	34 b	34	29	29 b	26	26	27 b	24
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74711184	20 b	22	16 a	18 b	10	19	19 b	18

Station	Station Number	MAY 1969							
		2	6	10	14	18	22	26	30
SUISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	E0B80352133	4,780 e	4,350	5,320 b	4,750 b	3,820			
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078	3,460 e	3,400	2,780 a	912 b	1,750	575	712 ab	495 a
SUISUN BAY AT PORT CHICAGO	E0B80342023	600 e	506	637 b	26 a	26	16	19 ab	24
SUISUN BAY AT MIDDLE POINT	E0B80301590		448	130 b	22 b	15	14	11 b	14 b
SACRAMENTO RIVER AT PITTSBURG	B9D80231530	17 b	18	19 a	20 a	19	14 cd		
SACRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510		10	11 a		10 a	10	16 ab	10 a
SACRAMENTO RIVER BELOW EMMATON	B9D80461452	8 e	9	12 a	8 ac	8	8	8 ab	9 a
THREE MILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	8 ae		8 a		8	7	10 ab	8 a
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	4 e	6	6 b	7 b	4	5	5 b	7 b
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	3 e	5	4 b	3 b	4	4	5 b	4 b
SAN JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	17 e	16	9 a	19 b	15	16	16 ab	12 a
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450	15 b	16	17 b	17 b			10 b	12 d
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261415	16 ae	18			15	12		10 a
THREE MILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411		13 a	14 a	8 a			10 abd	10 ab
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	15 b	16	15 d	16	13 a	13		11 d
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356	9 ae	12	8 a	12 a	9 a		6 ab	8 a
DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	B9D80071384	27 ae	25	22 a	26 b	23	16	16 ab	14 b
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74711184	19 e	18	16 b	12 b	10	10	9 d	9 b

*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 1969							
		2	6	10	14	18	22	26	30
SUISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	E0B80352133		4,150	4,620	3,400	2,520	3,480 e		6,720
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078	900	1,700	545 g	18 g				
SUISUN BAY AT PORT CHICAGO	E0B80342023	226	28 eg		106	23	1,440 e	2,200	2,880
SUISUN BAY AT MIDDLE POINT	E0B80301590	20	15						
SACRAMENTO RIVER AT PITTSBURG	B9D80231530		13 bd		13 g	14 g	13 g		20 g
SACRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510	8 g	8 g	8 g	10 g	10 g			
SACRAMENTO RIVER BELOW EMMATON	B9D80461452	7	10 bd	11 g	11 g	10	10 d	11 g	15
THREE MILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	8	10 g	10 g	9	10	11 g	12 g	12 g
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	6	6 e	7	8	8	8	5	9
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	4	6 b	6	7	7	6	6	7
SAN JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	7	15 g	16 g	14 g	12	15 g	19 g	
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450		11 b	12			11	13	
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261415								
THREE MILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411	10 g	10 dg		9 g	10 g	12 bd	12 g	10 g
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	11	9 de	10 g	10 g	11	12 g	13 g	
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356	5 g	6 g	6 g	7 g	7 g	7 g	7 g	
DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	B9D80071384	12	12 g	13 g	13	14	14 g	14 g	15
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74711184	9		7	11	11	12	12	19

Station	Station Number	JULY 1969							
		2	6	10	14	18	22	26	30
SUISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	E0B80352133			8,420 ad		9,110	9,360 e	11,300	12,000
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078		2,440 a	3,860 a	6,300	887 a	7,820 e	7,360 cd	9,060
SUISUN BAY AT PORT CHICAGO	E0B80342023		3,400 d		3,230	2,680	4,040 e		
SUISUN BAY AT MIDDLE POINT	E0B80301590					73 a	114 a	241 a	
SACRAMENTO RIVER AT PITTSBURG	B9D80231530								
SACRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510								
SACRAMENTO RIVER BELOW EMMATON	B9D80461452	15 bd	14 d	15 d	24	27 d	45 e	22 a	154
THREE MILE SLOUGH AT SACRAMENTO RIVER	B9D80641420		21 a	13 a	13	16	12 a	18 a	19
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411		11 e		9	9	9 e	9	
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356		6	5	6	7	6 e	6	7
SAN JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481		21 a	18 a		15		48 a	238
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450		17 e			32	33 e		
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261415		14 a	17 a	18 a	19			
THREE MILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411	12 bd	13 a	15 a	13	18 bd	16 bd	15 bd	14 a
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	15	12 a	14 a	15	15	15 a	15 a	22
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356		8 a	12 a	13 a		9 a	7 a	6 a
DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	B9D80071384	18	18	18 a	19	21	19	22 a	20
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74711184	28	30 a	32	40	38	62 a	77	86

*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.
g Taken after low low tide.

TABLE D-5 (CONT)

SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*

(Chlorides in Milligrams per Liter)

Station	Station Number	AUGUST 1969							
		2	6	10	14	18	22	26	30
SUISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	E0B80352133	11,600	10,500 e	11,500	10,300	10,800		10,400	11,100
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078	5,920 a	8,000 e	6,850 a	6,580 a	6,280 a	6,320 bd	5,100 ad	6,020 a
SUISUN BAY AT PORT CHICAGO	E0B80342023	3,860		5,560	5,500	4,580	4,000 e	4,800	3,050 bd
SUISUN BAY AT MIDDLE POINT	E0B80301590								
SACRAMENTO RIVER AT PITTSBURG	B9D80231530	360 a	272 a	341 a		374 a		291 a	207 a
SACRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510						75 e	49 a	48 d
SACRAMENTO RIVER BELOW EMMATON	B9D80461452	60 a	32 a	41 a	71	117	72 e	45 a	45
THREE MILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	17 a	12 a	19 a	18	13 a	11 a	15 a	10 a
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	9	11	9	9 d	9	8	11	10
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	8	8	9	7	8	8	7	9
SAN JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481		94 a	346	115	151 a	150	216	128
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450	91	144					130	80
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261415	26 a	21 a	28 a		32 a			23
THREE MILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411	16	13 a	12 bd	15 a	16 a			11 a
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	21 a	18 a	28 a	40	34	18 a	19 d	15
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356	9 ad	8 a	9 a		7 a	8 a	9 a	
DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	B9D80071384	22	23 a	24	25	26	24 a	24 a	22
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74711184	108 de	107	125	118	125 a	102 d	80	83 a

Station	Station Number	SEPTEMBER 1969							
		2	6	10	14	18	22	26	30
SUISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	E0B80352133	10,600 d	8,950 e	9,700	10,000	7,700 d	7,000 e	8,650	
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078	4,380 a	5,050 e	4,350 a	4,600 a	5,600	4,780 a	2,820	6,550
SUISUN BAY AT PORT CHICAGO	E0B80342023	3,000		3,600	2,500	406			1,560
SUISUN BAY AT MIDDLE POINT	E0B80301590								
SACRAMENTO RIVER AT PITTSBURG	B9D80231530	145 a	91 a	56 a	44 a	70 a	30 a	31	44 ad
SACRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510	73	21 a		18	25	16 a		21
SACRAMENTO RIVER BELOW EMMATON	B9D80461452	45	16 a	20 a	16	15 a	14 a	14	15
THREE MILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	12 a	0 a	10	11	11 a	12 a	10 a	11 a
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	9	15	10	10	10	8	8 a	9
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	9	7	11	8	9	8	6	6
SAN JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	98	38 a	30 a	36	26	22 a	29	24 a
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450	68		35		23	23		23
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261415			17 a	14 a				
THREE MILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411	11 a	12 a	13 a	13 a		14 a	14 a	13 a
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	15 d	12 a				15 a	16	16 a
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356	10 a	10 a	14 a		13 a		8	
DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	B9D80071384	20	13 a	19	17	8 a	21 a	22	22
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74711184	68 de	68	53	74 a	70 a	51	64 a	41 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-6

PLANKTON ANALYSIS OF SURFACE WATER

Phytoplankton

Total - Total phytoplankton count per milliliter

Bl-Gr - Blue-Green Algae

C/F - Coccoid over Filamentous (undifferentiated if no dividing line)

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

Blue-Green Algae

Filamentous

B 51 Anabaena
B 52 Aphanizomenon

Green Algae

Coccoid

G 00 Unidentified
G 02 Ankistrodesmus
G 07 Crucigenia
G 10 Lagerheimia
G 12 Oocystis
G 14 Pediastrum
G 15 Scenedesmus
G 19 Schroderia
G 20 Elakatothrix
G 22 Selenastrum
G 23 Tetraedron
G 24 Hormidium
G 27 Treubaria
G 29 Mougeotia

Flagellates

F 99 Unidentified

Green

F 08 Trachelomonas
F 11 Chlorogonium

Other Pigmented

F 52 Dinobryon
F 54 Dinoflagellates (Dinophyceae)
F 56 Cryptomonas

Diatoms

Centric

D 00 Unidentified
D 02 Coscinodiscus
D 03 Cyclotella
D 05 Melosira (fresh water)

Diatoms (Continued)

Centric (Continued)

D 06 Stephanodiscus
D 07 Rhizosolenia
D 10 Attheya

Pennate

D 50 Unidentified 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 68 Rhoicosphenia
D 70 Synedra
D 99 Unidentified

TABLE D-6

PLANKTON ANALYSIS OF SURFACE WATER

DATE TIME	PHYTOPLANKTON (NO/ML) TOTAL	BL-GR C/F	GREEN C/F	FLAG GR/O	DIATOMS C/P	MOST ABUNDANT PHYTOPLANKTON (GENUS / %) 1	2	3	4	5	6	7	8	ZOOPLANKTON (NO/L) TOTAL	ROTIFER	CRUST	MISC	MOST ABUNDANT ZOOPLANKTON (GENUS/%) 1	2	3	SAMP	LAB
A0 5103.00 FEATHER RIVER AT NICOLAUS																						
10-02-68 1010	898		32/0	900	770/128	F 99 / 49.2	D 03 / 42.1	D 66 / 5.3	D 65 / 1.7	G 22 / 1.7											5050	5050
11-06-68 1100	1216		64/0	732	292/128	F 99 / 57.6	D 03 / 21.3	D 65 / 5.3	D 66 / 5.3	G 02 / 5.3	F 08 / 2.6	D 05 / 2.6									5050	5050
12-04-68 1140	444		64/0	252	96/32	F 99 / 49.6	D 03 / 21.6	G 19 / 14.4	F 56 / 7.2	D 57 / 7.2											5050	5050
07-09-69 1040	2880		544/0	1600	512/224	F 99 / 55.5	D 03 / 16.7	G 00 / 7.7	D 66 / 5.6	G 02 / 5.6	G 15 / 5.6	D 50 / 2.2									5050	5050
08-06-69 1200	998		192/0	612	32/162	F 99 / 61.4	D 66 / 13.0	G 22 / 9.6	G 02 / 3.2	G 15 / 3.2	G 23 / 3.2	D 05 / 3.2	D 70 / 3.2								5050	5050
09-03-69 1130	734		32/0	542	64/96	F 99 / 73.8	D 03 / 8.7	G 23 / 4.4	D 66 / 4.4	D 65 / 4.4	D 55 / 4.3										5050	5050
A0 5165.00 FEATHER RIVER NEAR GRIDLEY																						
10-02-68 0900	734		32/0	380	290/32	F 99 / 51.7	D 03 / 39.5	D 70 / 4.4	G 14 / 4.4												5050	5050
11-06-68 0945	668		224/0	380	32/32	F 99 / 56.9	G 22 / 23.9	D 03 / 4.8	D 70 / 4.8	G 02 / 4.8	G 23 / 4.8										5050	5050
12-04-68 0945	418		64/D	290	32/32	F 99 / 69.4	G 02 / 15.3	D 05 / 7.7	D 62 / 7.6												5050	5050
01-08-69 1045	1556			1300	0/256	F 99 / 83.5	D 66 / 6.0	D 51 / 2.1	D 62 / 2.1	D 65 / 2.1	D 68 / 2.1	D 70 / 2.1									5050	5050
02-05-69 1130	602			350	220/32	F 99 / 58.1	D 03 / 36.6	D 66 / 5.3													5050	5050
03-05-69 1050	330		48/0	190	64/48	F 99 / 54.3	D 03 / 18.3	D 66 / 9.1	G 02 / 9.1	D 60 / 4.6	G 15 / 4.6										5050	5050
04-09-69 0920	1470			510	864/96	D 03 / 54.4	F 99 / 34.7	D 66 / 4.3	D 05 / 2.2	D 07 / 2.2	D 59 / 2.2										5050	5050
05-07-69 0920	802			450	224/128	F 99 / 56.1	D 03 / 19.9	D 05 / 8.0	D 51 / 4.0	D 55 / 4.0	D 60 / 4.0	D 66 / 4.0									5050	5050
06-04-69 0930	1422			1132	96/194	F 99 / 77.3	D 66 / 9.1	D 07 / 4.5	D 06 / 2.3	D 60 / 2.3	F 52 / 2.3	D 70 / 2.2									5050	5050
07-09-69 0835	894		96/0	540	32/226	F 99 / 60.4	D 66 / 14.5	G 19 / 7.1	D 03 / 3.6	D 51 / 3.6	D 59 / 3.6	D 65 / 3.6	G 14 / 3.6								5050	5050
08-06-69 1005	1628		32/0	1500	0/96	F 99 / 92.0	D 51 / 2.0	D 66 / 2.0	D 70 / 2.0	G 02 / 2.0											5050	5050
09-03-69 0840	388		32/0	260	0/96	F 99 / 67.1	D 66 / 16.5	D 65 / 8.2	G 02 / 8.2												5050	5050
A5 L 007.0 108.7 BUTT VALLEY RESERVOIR NEAR CARIBOU																						
09-03-69 1630	796		32/0	764		F 99 / 88.0	F 52 / 8.0	G 22 / 4.0													5050	5050
A5 L 010.7 105.1 LAKE ALMANOR AT DAM																						
09-02-69 1830	350		160/0	190		F 99 / 54.3	G 22 / 45.7														5050	5050
A5 L 012.8 109.6 LAKE ALMANOR AT PRATTVILLE																						
09-02-69 1730	260			260		F 99 / 100.0															5050	5050
A5 L 014.9 106.4 LAKE ALMANOR, EAST ARM																						
09-02-69 1900	354		32/0	322		F 99 / 91.0	G 20 / 9.0														5050	5050
A5 L 015.9 111.3 LAKE ALMANOR, UPPER WEST ARM																						
09-02-69 1600	672		64/0	512	96/0	F 99 / 76.2	D 03 / 14.3	G 22 / 9.5													5050	5050
A5 L 016.0 056.9 MOUNTAIN MEADOWS RESERVOIR NEAR WESTWOOD																						
09-03-69 1000	1314		574/0	420	160/160	F 99 / 32.0	G 07 / 16.8	G 12 / 12.2	D 03 / 12.2	G 22 / 9.9	D 63 / 7.3	D 50 / 4.8	G 00 / 4.8								5050	5050
A5 L 016.9 100.3 MOUNTAIN MEADOWS RESERVOIR AT WESTWOOD																						
09-03-69 1100	666	0/64	32/0	570		F 99 / 85.6	B 51 / 4.8	B 52 / 4.8	G 22 / 4.8												5050	5050
A5 L 017.0 101.4 MOUNTAIN MEADOWS RESERVOIR AT DAM																						
09-03-69 1130	1860		130/0	1540	190/0	F 99 / 82.8	D 03 / 10.2	G 12 / 7.0													5050	5050
A5 R 932.7 128.5 LAKE OROVILLE (STATION 1)																						
04-16-69 1135	830		32/0	670	64/64	F 99 / 80.7	D 05 / 7.7	G 24 / 3.9	D 63 / 3.9	D 66 / 3.8											5050	5050
05-14-69 1330	224		64/0	412	224/0	F 99 / 54.3	D 03 / 22.9	D 07 / 9.1	F 56 / 4.6	G 02 / 4.6	G 22 / 4.5										5050	5050
07-16-69 1400	1086	0/32	64/0	640	222/128	F 99 / 32.2	F 52 / 26.7	D 03 / 17.5	D 70 / 5.9	G 02 / 5.9	D 50 / 5.9	D 10 / 3.0	B 51 / 2.9								5050	5050
08-13-69	448		128/0	160	160/0	F 99 / 35.7	G 02 / 21.4	D 07 / 21.4	D 03 / 14.3	G 23 / 7.2											5050	5050
09-23-69 1010	480			480		F 99 / 100.0															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 C/F	GREEN C/F	FLAG GR/O	DIATOMS C/P	1	2	3	4	5	6	7	8	TOTAL	ROTIFER	CRUST	MISC	1	2	3		
A5 R 933.1 125.7 LAKE OROVILLE (STATION 3)																						
05-14-69 1015	672			480	160/32	F 99/71.4	D 07/14.3	D 03/9.5	D 55/4.8												5050	5050
07-16-69 1315	870	0/32	128/0	580	0/130	F 99/48.3	F 52/18.4	D 70/14.9	G 29/7.3	G 12/3.7	G 23/3.7	B 51/3.7									5050	5050
09-23-69 1300	994		64/00	740	190/0	F 99/74.5	D 03/19.1	G 02/3.2	G 27/3.2												5050	5050
A5 R 937.0 129.3 LAKE OROVILLE (STATION 2)																						
05-14-69 1145	256	0/32		292	256/0	F 99/44.8	D 03/27.6	D 05/16.6	B 52/5.5	F 52/5.5											5050	5050
08-13-69	414		128/0	222	32/32	F 99/46.0	G 23/23.2	G 19/7.7	F 54/7.7	D 03/7.7	D 70/7.7										5050	5050
09-23-69 0820	704		64/0	510	130/0	F 99/72.5	D 03/18.5	G 02/4.5	G 22/4.5												5050	5050
B9 D 827.3 130.0 SACRAMENTO RIVER AT FREEPORT																						
10-02-68 1215	1824		290/0	510	832/192	D 03/43.8	F 99/27.9	D 66/8.8	G 22/7.1	D 99/3.6	G 02/3.5	G 15/3.5	G 10/1.8								5050	5050
11-06-68 1300	1448		544/0	452	194/258	G 02/33.2	F 99/29.0	D 03/9.0	D 66/9.0	D 50/8.8	D 05/4.4	G 00/4.4	F 11/2.2								5050	5050
12-04-68 1320	866		64/0	96	610/96	D 05/48.5	D 03/21.9	F 99/11.1	D 66/7.4	D 65/3.7	G 15/3.7	G 22/3.7									5050	5050
01-08-69 1335	1048		64/0	540	284/160	F 99/51.4	D 05/21.0	D 03/6.1	D 66/6.1	D 70/6.1	D 62/3.1	G 02/3.1	G 19/3.1								5050	5050
02-05-69 1350	514		32/0	130	320/32	D 05/62.3	F 99/25.3	D 66/6.2	G 15/6.2												5050	5050
03-05-69 1410	256			96	160/0	D 03/37.5	F 99/37.5	D 05/25.0													5050	5050
04-09-69 1000	988		32/0	320	380/256	D 03/38.6	F 99/32.4	D 65/9.7	D 66/9.7	D 55/3.2	D 60/3.2	G 15/3.2									5050	5050
05-07-69 0940	1590		450/0	540	414/194	F 99/33.8	D 03/21.9	G 02/18.2	D 70/8.1	G 24/6.0	D 05/4.0	D 50/4.0	G 00/4.0								5050	5050
06-04-69 1230	2040	0/32	288/0	702	510/508	F 99/32.8	D 66/18.6	D 03/17.1	G 00/14.2	D 00/7.8	D 50/6.3	B 51/1.6	F 54/1.6								5050	5050

TABLE D-7

NUTRIENTS IN SURFACE WATER

Abbreviations and Chemical Codes

NITRATE SERIES

NO_3 - Nitrate (unfiltered)

NO_2 - Nitrite (unfiltered)

ORG - Organic Nitrogen (unfiltered)

NH_4 - Ammonium (unfiltered)

TOTAL - Total Nitrogen (unfiltered)

N - Nitrogen (unfiltered)

PHOSPHATE SERIES

ORTHO - Ortho-Phosphate (filtered)

HYDRO - Hydrolizable Phosphates (filtered)

TOTAL - Total and Organic Phosphates (unfiltered)

MISCELLANEOUS NUTRIENTS

KN - Kjeldahl Nitrogen as N

RP - Reactive Phosphate as P

PO_4 - Unfiltered Ortho-Phosphates as P

PON - Particulate Organic Nitrogen as N

DON - Dissolved Organic Nitrogen as N

M - Milligrams per liter

MY - Less than value indicated in milligrams per liter

U - Micrograms per liter

UY - Less than value indicated in micrograms per liter

SAMP Codes for agency collecting sample

5001 - U. S. Bureau of Reclamation

5050 - Department of Water Resources

LAB Codes for laboratory performing analysis

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

DATE TIME	NUTRIENTS (Mg/L)								MISCELLANEOUS NUTRIENTS											SAMP	LAB
	NITROGEN SERIES AS N					PHOSPHATE SERIES AS P															
	NO_3	NO_2	ORG	NH_4	TOTAL	ORTHO	HYDRO	TOTAL	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	
AO X 846.8 136.2 NATOMAS CROSS CANAL AT VERONA																					
09-02-69 1110	0.03					0.10		0.15	KN	000.6	M										5050	5050
09-16-69 0945	0.14					0.06		0.11	KN	000.5	M										5050	5050
AO 2100.00 SACRAMENTO RIVER AT SACRAMENTO																					
01-29-69 1040	0.2		0.68	<0.08		0.02		0.12													5001	5006
02-25-69 0935	0.1		0.38	0.10		0.04		0.06													5001	5006
AO 2112.00 SACRAMENTO RIVER AT ELKHORN FERRY																					
08-19-69 1020	0.11					0.00		0.06	KN	000.2	M										5050	5050
09-02-69 1210	0.01					0.02		0.12	KN	000.2	M										5050	5050
09-16-69	0.06					0.02		0.05	KN	000.1	M										5050	5050
AO 2430.02 SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN																					
08-04-69 1410	0.08			0.1		0.02		0.02													5050	5050
08-19-69 1050	0.12			0.2		0.02		0.05													5050	5050
09-02-69 1025	0.04			0.1		0.02		0.05													5050	5050
09-16-69 0955	0.11			0.1		0.03		0.06													5050	5050
AO 2925.00 SACRAMENTO SLOUGH NEAR KNIGHTS LANDING																					
08-04-69 1430	0.14			0.5		0.11		0.13													5050	5050
08-19-69 1000	0.14			0.5		0.15		0.24													5050	5050
09-02-69 0935	0.12			0.4		0.12		0.20													5050	5050
09-16-69 0910	0.16			0.5		0.13		0.19													5050	5050
AO 2933.00 RD 108 DRAIN TO SACRAMENTO RIVER NEAR KNIGHTS LANDING																					
08-06-69 0625	0.14			0.5		0.12		0.18													5050	5050
09-02-69 0740	0.10			0.6		0.12		0.21													5050	5050
AO 2947.10 COLUSA BASIN DRAIN NEAR KNIGHTS LANDING																					
08-04-69 1425	0.27			0.6		0.08		0.25													5050	5050
08-19-69 1115	0.17			0.5		0.08		0.16													5050	5050
09-02-69 1100	0.14			0.5		0.08		0.19													5050	5050
09-16-69 1045	0.29			0.5		0.09		0.16													5050	5050
AO 2950.00 RECLAMATION DISTRICT 787 DRAINAGE TO COLUSA BASIN DRAIN																					
09-02-69 0830	0.02			0.5		0.16		0.23													5050	5050
09-15-69 1010	0.07			0.9		0.10		0.24													5050	5050
AO 2955.00 RECLAMATION DISTRICT 787 DRAINAGE TO SACRAMENTO RIVER																					
08-06-69 0630	0.08			1.0		0.10		0.25													5050	5050
08-21-69 --	0.13			0.4		0.16		0.23													5050	5050
09-02-69 0830	0.03			1.0		0.10		0.30													5050	5050
09-15-69 1000	0.10			0.9		0.19		0.33													5050	5050

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

DATE TIME	NUTRIENTS (Mg/L)								MISCELLANEOUS NUTRIENTS											SAMP	LAB
	NITROGEN SERIES AS N					PHOSPHATE SERIES AS P			CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR		
	NO_3	NO_2	ORG	NH_4	TOTAL	ORTHO	HYDRO	TOTAL														
AO 2965.00 RECLAMATION DISTRICT 70 DRAINAGE TO SACRAMENTO RIVER																					
08-06-69 1040	0.08			0.6		0.11		0.16												5050	5050
08-19-69 0845	0.12			0.4		0.13		0.24												5050	5050
09-02-69 0600	0.08			0.4		0.14		0.20												5050	5050
09-17-69 --	0.07			0.7		0.12		0.19												5050	5050
AO 2967.00 BUTTE SLOUGH AT OUTFALL GATES																					
08-04-69 1215	0.03			0.6		0.05		0.08												5050	5050
08-19-69 0810	0.12			0.5		0.05		0.13												5050	5050
09-02-69 0725	0.04			0.5		0.06		0.07												5050	5050
09-16-69 0720	0.08			0.4		0.05		0.12												5050	5050
AO 5103.00 FEATHER RIVER AT NICOLAUS																					
10-02-68 1010	0.01		0.2	0.01		0.01	0.02	0.04												5050	5050
11-06-68 1100	0.09		0.2	0.06		0.03		0.08												5050	5050
12-04-68 1140	0.07		0.0	0.00		0.02	0.01	0.03												5050	5050
07-09-69 1040			0.3	0.00		0.01		0.15												5050	5050
08-06-69 1200	0.02		0.2	0.00		0.01		0.11												5050	5050
08-19-69 0930	0.03					0.00		0.04	KN	000.1	M									5050	5050
09-03-69 1130	0.02		0.1	0.00		0.01		0.03												5050	5050
09-16-69 0900	0.01					0.00		0.03	KN	000.2	M									5050	5050
AO 5165.00 FEATHER RIVER NEAR GRIDLEY																					
10-02-68 0900	0.04		0.3	0.01		0.00	0.01	0.01												5050	5050
11-06-68 0945	0.05		0.1	0.08		0.01		0.05												5050	5050
12-04-68 0945	0.05		0.5	0.03		0.00	0.00	0.03												5050	5050
01-08-69 1045	0.18		0.2	0.00		0.01		0.02												5050	5050
02-05-69 1130	0.16		0.1	0.00		0.00		0.09												5050	5050
03-05-69 1050	0.13		0.2	0.00		0.00		0.06												5050	5050
04-09-69 0920	0.04		0.1	0.00		0.01		0.03												5050	5050
05-07-69 0920	0.05		0.1	0.00		0.00		0.04												5050	5050
06-04-69 0930	0.05		0.2	0.01		0.00		0.05												5050	5050
07-09-69 0835	0.09		0.2	0.06		0.00		0.02												5050	5050
08-06-69 1005	0.03		0.1	0.00		0.00		0.03												5050	5050
09-03-69 0840	0.03		0.1	0.00		0.01		0.01												5050	5050
AO 7125.05 AMERICAN RIVER AT SACRAMENTO NORTHERN RR BRIDGE																					
11-05-68 1200	0.7		0.6	0.4				0.29	PO_4	00.27	M									5001	5006
12-12-68 1530	0.1		0.46	0.18				0.12	PO_4	00.07	M									5001	5006
01-10-69 1015	<0.1		0.41	<0.08				0.09	PO_4	00.01	MY									5001	5006

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

DATE TIME	NUTRIENTS (Mg/L)								MISCELLANEOUS NUTRIENTS											SAMP	LAB
	NITROGEN SERIES AS N					PHOSPHATE SERIES AS P			CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR		
	NO_3	NO_2	ORG	NH_4	TOTAL	ORTHO	HYDRO	TOTAL														
AO 7125.05 AMERICAN RIVER AT SACRAMENTO NORTHERN RR BRIDGE (Continued)																					
02-18-69 1620	0.1		0.61	0.26				0.07	PO_4	00.04	M									5001	5006
03-11-69 --	0.3		0.56	0.16				0.08	PO_4	00.04	M									5001	5006
04-08-69 1515	<0.1		0.35	0.21				0.06	PO_4	00.04	M									5001	5006
05-08-69 1015	<0.1		0.68	<0.08				0.04	PO_4	00.03	M									5001	5006
06-12-69 1450	<0.1		0.25	<0.08				0.07	PO_4	00.05	M									5001	5006
08-12-69 1400	0.1		0.26	0.09				0.18	PO_4	00.14	M									5001	5006
09-10-69 1400	<0.1		0.13	0.09				0.11	PO_4	00.08	M									5001	5006
AO 7140.05 AMERICAN RIVER AT GUY WEST BRIDGE AT SACRAMENTO																					
11-05-68 1115	0.7		0.2	<0.08				0.18	PO_4	00.08	M									5001	5006
12-12-68 1500	<0.1		0.20	<0.08				0.07	PO_4	00.01	M									5001	5006
01-10-69 1100	<0.1		0.30	0.08				0.13	PO_4	00.01	MY									5001	5006
02-18-69 1535	0.1		0.60	0.24				0.05	PO_4	00.03	M									5001	5006
03-11-69 1110	0.3		0.55	0.20				0.05	PO_4	00.03	M									5001	5006
04-08-69 1445	0.1		0.60	0.29				0.05	PO_4	00.02	M									5001	5006
05-12-69 1100	<0.1		0.62	<0.08				0.02	PO_4	00.01	M									5001	5006
AO 7175.00 AMERICAN RIVER AT FAIR OAKS																					
11-05-68 1005	0.7		0.1	0.1				0.02	PO_4	00.01	M									5001	5006
12-12-68 1420	<0.1		0.62	<0.08				0.02	PO_4	00.01	MY									5001	5006
01-09-69 1415	<0.1		0.32	0.16				0.09	PO_4	00.01	MY									5001	5006
02-18-69 1450	0.1		0.50	0.24				0.04	PO_4	00.02	M									5001	5006
03-11-69 --	0.3		0.55	0.08				0.03	PO_4	00.02	M									5001	5006
04-08-69 1400	<0.1		0.43	0.38				0.03	PO_4	00.01	MY									5001	5006
05-08-69 1215	<0.1		0.68	<0.08				0.01	PO_4	00.01	MY									5001	5006
06-05-69 --	0.06																			5050	5050
06-12-69 1355	<0.1		0.40	0.10				0.02	PO_4	00.01	M									5001	5006
08-12-69 1200	<0.1		0.15	0.12				0.03	PO_4	00.01	M									5001	5006
09-10-69 1300	<0.1		0.14	0.12				0.02	PO_4	00.00	M									5001	5006
A2 1010.00 SACRAMENTO RIVER AT KESWICK																					
08-04-69 0700	0.07			0.00		0.02		0.03												5050	5050
08-19-69 0805	0.11			0.1		0.01		0.03												5050	5050
09-02-69 0815	0.04			0.0		0.02		0.03												5050	5050
09-16-69 0800	0.06			0.0		0.01		0.02												5050	5050
A5 L 007.0 108.7 BUTT VALLEY RESERVOIR NEAR CARIBOU																					
09-03-69 1630	0.02	0.00	0.01	0.00		0.00	0.00	0.01												5050	5050

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

DATE TIME	NUTRIENTS (Mg/L)								MISCELLANEOUS NUTRIENTS												SAMP	LAB
	NITROGEN SERIES AS N					PHOSPHATE SERIES AS P			CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR		
	NO_3	NO_2	ORG	NH_4	TOTAL	ORTHO	HYDRO	TOTAL														
AS L 009.5 111.0 BUTT VALLEY RESERVOIR, NORTH END																						
09-03-69 1500	0.01	0.00	0.2	0.00		0.00	0.00	0.01													5050	5050
AS L 010.7 105.1 LAKE ALMANOR AT DAM																						
09-02-69 1830	0.00	0.00	0.1	0.00		0.00	0.01	0.01													5050	5050
AS L 012.8 109.6 LAKE ALMANOR AT PRATTVILLE																						
09-02-69 1730	0.00	0.00	0.1	0.00		0.00	0.02	0.02													5050	5050
AS L 014.9 106.4 LAKE ALMANOR, EAST ARM																						
09-02-69 1900	0.00	0.00	0.1	0.00		0.00	0.00	0.01													5050	5050
AS L 015.9 111.3 LAKE ALMANOR, UPPER WEST ARM																						
09-02-69 1600	0.00	0.00	0.1	0.00		0.00	0.00	0.01													5050	5050
AS L 016.0 056.9 MOUNTAIN MEADOWS RESERVOIR NEAR WESTWOOD																						
09-03-69 1000	0.02	0.00	0.5	0.00		0.00	0.00	0.02													5050	5050
AS L 016.9 100.3 MOUNTAIN MEADOWS RESERVOIR AT WESTWOOD																						
09-03-69 1100	0.03	0.00	0.7	0.00		0.03	0.00	0.11													5050	5050
AS L 017.0 101.4 MOUNTAIN MEADOWS RESERVOIR AT DAM																						
09-03-69 1130	0.03	0.00	0.7	0.00		0.03	0.01	0.06													5050	5050
AS R 932.7 128.5 LAKE OROVILLE (STATION 1)																						
07-16-69 1400	0.3		0.1	0.06		0.00		0.03													5050	5050
08-13-69 --	0.01		0.1	0.00		0.00		0.05													5050	5050
AS R 933.1 125.7 LAKE OROVILLE (STATION 3)																						
07-16-69 1315	0.03		0.2	0.03		0.00		0.03													5050	5050
AS R 937.0 129.3 LAKE OROVILLE (STATION 2)																						
08-13-69 --	0.00	0.02	0.1			0.00		0.06													5050	5050
AS 3375.00 FEATHER RIVER, NORTH FORK, AT GANSNER BAR																						
09-03-69 2050	0.02	0.00	0.1	0.00		0.00	0.00	0.02													5050	5050
AS 3670.01 HAMILTON BRANCH AT LAKE ALMANOR																						
09-02-69 1745	0.00	0.00	0.1	0.00		0.03	0.00	0.04													5050	5050
AS 3680.10 GOODRICH CREEK AT HIGHWAY 36 BRIDGE NEAR WESTWOOD																						
09-03-69 1900	0.01	0.00	0.1	0.00		0.00	0.00	0.01													5050	5050
AS 3721.01 FEATHER RIVER, NF, BELOW ALMANOR RR BRIDGE AT CHESTER																						
09-02-69 1645	0.14	0.00	0.0	0.01		0.01	0.00	0.02													5050	5050

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

DATE TIME	NUTRIENTS (Mg/L)								MISCELLANEOUS NUTRIENTS											SAMP	LAB
	NITROGEN SERIES AS N					PHOSPHATE SERIES AS P			CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR		
	NO_3	NO_2	ORG	NH_4	TOTAL	ORTHO	HYDRO	TOTAL														
A7 R 842.7 108.8 FOLSOM RESERVOIR NEAR DAM																						
11-12-68 0950 (Surface)	<0.1		0.3	<0.08				<0.01	PO_4	00.01	MY										5001	5006
1020 (135 Feet)	<0.1		0.6	<0.1				<0.01	PO_4	00.01	MY										5001	5006
1040 (200 Feet)	0.10		0.60	0.08				<0.01	PO_4	00.01	MY										5001	5006
01-09-69 1000 (Surface)	<0.1		<0.08	<0.08				0.07	PO_4	00.01	MY										5001	5006
-- (150 Feet)	<0.1		<0.08	<0.08				0.04	PO_4	00.01	M										5001	5006
02-13-69 1100 (Surface)	0.1		0.86	0.22				0.04	PO_4	00.02	M										5001	5006
-- (200 Feet)	0.1		0.85	0.29				0.04	PO_4	00.02	M										5001	5006
03-11-69 -- (Surface)	0.3		0.53	0.10				0.04	PO_4	00.02	M										5001	5006
-- (50 Feet)	0.3		0.45	0.39				0.04	PO_4	00.02	M										5001	5006
-- (150 Feet)	0.2		0.28	0.16				0.03	PO_4	00.02	M										5001	5006
04-10-69 1015 (Surface)	<0.1		0.58	<0.08				0.01	PO_4	00.00	M										5001	5006
-- (100 Feet)	<0.1		0.55	<0.08				0.03	PO_4	00.01	MY										5001	5006
-- (200 Feet)	0.1		0.51	<0.08				0.03	PO_4	00.01	MY										5001	5006
05-09-69 1100 (Surface)	<0.1		0.50	<0.08				<0.01	PO_4	00.01	MY										5001	5006
-- (25 Feet)	0.1		0.50	<0.08				<0.01	PO_4	00.01	MY											
-- (30 Feet)	<0.1		0.20	<0.08				<0.1	PO_4	00.01	MY										5001	5006
-- (Bottom)	0.2		0.70	<0.08				0.01	PO_4	00.01	MY										5001	5006
06-10-69 1040 (Surface)	<0.1		0.30	<0.08				0.01	PO_4	00.01	MY										5001	5006
-- (200 Feet)	0.1		0.15	<0.08				0.01	PO_4	00.01	MY										5001	5006
08-13-69 1015 (Surface)	<0.01		0.24	<0.08				0.03	PO_4	00.02	M										5001	5006
-- (Bottom)	0.4		0.15	<0.08				0.03	PO_4	00.01	M										5001	5006
09-09-69 1020 (3 Feet)	<0.1		0.20	0.20				0.02	PO_4	00.00	M										5001	5006
-- (25 Feet)	<0.1		0.16	0.14				0.03	PO_4	00.00	M										5001	5006
-- (75 Feet)	<0.1		0.16	0.14				0.02	PO_4	00.00	M										5001	5006
-- (225 Feet)	0.2		0.21	0.20				0.03	PO_4	00.05	M										5001	5006
A7 R 844.8 108.0 FOLSOM RESERVOIR EAST OF ROCKY RIDGE ROAD																						
12-12-68 1145 (Surface)	<0.1		0.40	<0.08				0.01	PO_4	00.01	MY										5001	5006
1145 (120 Feet)	<0.1		0.37	<0.08				0.02	PO_4	00.01	MY										5001	5006
1145 (165 Feet)	<0.1		0.31	<0.08				0.01	PO_4	00.01	MY										5001	5006

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

DATE TIME	NUTRIENTS (Mg/L)								MISCELLANEOUS NUTRIENTS											SAMP	LAB
	NITROGEN SERIES AS N					PHOSPHATE SERIES AS P															
	NO_3	NO_2	ORG	NH_4	TOTAL	ORTHO	HYDRO	TOTAL	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	
A7 1116.01 AMERICAN RIVER AT FOLSOM																					
11-05-68 0925	0.7		0.6	0.4				<0.01	PO_4	00.01	MY									5001	5006
12-12-68 1350	<0.1		0.17	0.14				0.01	PO_4	000.1	MY									5001	5006
01-09-69 1335	<0.1		2.70	0.62				<0.01	PO_4	00.01	MY									5001	5006
02-18-69 1410	0.1		0.60	0.17				0.04	PO_4	00.02	M									5001	5006
03-11-69 --	0.2		0.46	0.08				0.04	PO_4	00.02	M									5001	5006
04-08-69 1320	<0.1		0.65	0.18				0.03	PO_4	00.01	MY									5001	5006
05-08-69 1315	<0.1		0.62	<0.08				0.01	PO_4	00.01	MY									5001	5006
06-12-69 1330	<0.1		0.55	0.10				0.02	PO_4	00.01	MY									5001	5006
08-12-69 1245	<0.1		0.20	0.15				0.03	PO_4	00.01	M									5001	5006
09-10-69 1210	<0.1		0.16	0.16				0.03	PO_4	00.00	M									5001	5006
A7 2160.01 AMERICAN RIVER, NORTH FORK, AT AUBURN DAMSITE																					
11-07-68 1150	0.7		0.2	0.08				<0.01	PO_4	00.01	MY									5001	5006
12-05-68 0950	<0.1		0.51	0.09				<0.01	PO_4	00.01	MY									5001	5006
01-07-69 0950	<0.1		0.57	0.55				<0.01	PO_4	00.01	MY									5001	5006
02-20-69 --	<0.1		0.40	<0.08				0.02	PO_4	00.01	M									5001	5006
03-11-69 --	0.1		1.05	0.16				0.03	PO_4	00.01	M									5001	5006
04-08-69 1010	<0.1		0.25	<0.08				0.07	PO_4	00.01	MY									5001	5006
05-09-69 1215	<0.1		0.75	<0.08				0.01	PO_4	00.01	MY									5001	5006
06-12-69 1110	<0.1		0.40	0.08				0.02	PO_4	00.01	M									5001	5006
08-12-69 0900	0.2		0.18	<0.08				0.03	PO_4	00.01	M									5001	5006
09-10-69 0910	<0.1		0.16	0.14				0.02	PO_4	00.00	M									5001	5006
A7 2190.01 AMERICAN RIVER, NORTH FORK ABOVE MIDDLE FORK, AT AUBURN																					
01-07-69 1110	<0.1		0.57	<0.08				<0.01	PO_4	00.01	MY									5001	5006
02-20-69 --	<0.1		0.55	0.42				0.02	PO_4	00.01	M									5001	5006
03-11-69 --	0.1		0.51	0.13				0.02	PO_4	00.01	M									5001	5006
04-08-69 1045	<0.1		0.55	<0.08				0.02	PO_4	00.01	MY									5001	5006
05-09-69 1300	<0.1		0.68	<0.08				0.01	PO_4	00.01	MY									5001	5006
06-05-69 1450	0.01					0.00														5050	5050
A7 2500.01 AMERICAN RIVER, NORTH FORK, AT COLFAX																					
11-07-68 1010	0.7		0.1	0.1				<0.01	PO_4	00.01	MY									5001	5006
12-05-68 1115	<0.1		0.13	<0.08				0.01	PO_4	00.01	MY									5001	5006
A7 2620.01 AMERICAN RIVER, NF OF NF, ABOVE BLUE CANYON CREEK																					
06-04-69 1420	0.01					0.00														5050	5050

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

DATE TIME	NUTRIENTS (Mg/L)								MISCELLANEOUS NUTRIENTS											SAMP	LAB
	NITROGEN SERIES AS N					PHOSPHATE SERIES AS P															
	NO_3	NO_2	ORG	NH_4	TOTAL	ORTHO	HYDRO	TOTAL	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR		
A7 2672.01 AMERICAN RIVER, NORTH FORK OF NORTH FORK, NEAR EMIGRANT GAP																					
06-05-69 1040	0.01					0.00														5050	5050
A7 3100.00 AMERICAN RIVER, MIDDLE FORK, NEAR AUBURN																					
11-07-68 1305	0.7		0.1	0.2				<0.01	PO_4	00.01	MY									5001	5006
12-05-68 1335	<0.1		0.29	<0.08				<0.01	PO_4	00.01	MY									5001	5006
01-07-69 1045	<0.1		0.09	<0.08				0.06	PO_4	00.01	MY									5001	5006
02-20-69 --	<0.1		0.65	<0.08				0.02	PO_4	00.01	M									5001	5006
03-11-69 --	0.1		0.46	0.19				0.03	PO_4	00.01	M									5001	5006
04-08-69 1105	<0.1		0.29	<0.08				0.03	PO_4	00.01	MY									5001	5006
05-09-69 1345	<0.1		0.68	<0.08				0.02	PO_4	00.01	MY									5001	5006
06-04-69 0620	0.00					0.01														5050	5050
A7 3280.00 AMERICAN RIVER, NORTH FORK OF MIDDLE FORK, NEAR FORESTHILL																					
06-04-69 1300	0.02								PO_4	00.01	M									5050	5050
A7 4080.01 AMERICAN RIVER, SOUTH FORK, NEAR PILOT HILL																					
11-07-68 1355	0.7		0.6	0.2				0.01	PO_4	00.01	MY									5001	5006
12-05-68 1435	<0.1		0.35	0.15				0.02	PO_4	00.01	MY									5001	5006
01-07-69 1300	<0.1		0.35	0.08				0.12	PO_4	00.01	M									5001	5006
02-20-69 --	<0.1		0.55	<0.08				0.02	PO_4	00.01	M									5001	5006
03-11-69 --	0.2		0.45	0.22				0.03	PO_4	00.04	M									5001	5006
04-08-69 1340	<0.1		0.44	0.13				0.04	PO_4	00.01	MY									5001	5006
05-08-69 1410	<0.1		0.68	<0.08				0.02	PO_4	00.01	MY									5001	5006
06-12-69 1240	<0.1		0.40	0.10				0.05	PO_4	00.03	M									5001	5006
08-12-69 1020	0.3		0.32	0.12				0.03	PO_4	00.01	M									5001	5006
09-10-69 1030	<0.1		0.16	0.14				0.02	PO_4	00.00	M									5001	5006
A7 4170.00 AMERICAN RIVER, SOUTH FORK, AT COLOMA																					
06-05-69 --	0.02					0.00														5050	5050
A7 4580.01 AMERICAN RIVER, SILVER FORK OF SOUTH FORK, AT MOUTH																					
06-06-69 --	0.02					0.01														5050	5050
A7 5050.01 RUBICON RIVER BELOW RALSTON POWERHOUSE NEAR FORESTHILL																					
06-04-69 1405	0.02					0.17														5050	5050
BO 7020.00 SAN JOAQUIN RIVER NEAR VERNALIS																					
01-29-69 1510	0.3		0.91	<0.08				0.16	PO_4	00.02	M									5001	5006
02-26-69 1510	0.3		0.12	<0.08				0.13	PO_4	00.10	M									5001	5006
03-28-69 1045	0.1		0.55	0.10				0.06	PO_4	00.05	M	DON	00.39	M	PON	00.16	M			5001	5006
05-01-69 1330	0.2		1.60	<0.08				0.14	PO_4	00.05	M										
09-17-69 1515	0.85		1.19	<0.005				0.19	PO_4	00.10	M									5001	5006

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

DATE TIME	NUTRIENTS (Mg/L) NITROGEN SERIES AS N NO_3	NO_2	ORG	NH_4	TOTAL	PHOSPHATE SERIES AS P ORTHO	HYDRO	TOTAL	MISCELLANEOUS NUTRIENTS CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	SAMP	LAB
B9 D 748.3 126.9 OLD RIVER AT TRACY ROAD BRIDGE NEAR TRACY																						
10-09-68 1130	0.5		0.7	0.1				0.16	PO_4	00.12	M										5001	5006
01-21-69 1110	1.1		1.25	0.28				0.18													5001	5006
B9 D 752.6 122.9 MIDDLE RIVER AT WILLIAMS BRIDGE NEAR HOLT																						
10-09-68 1040	0.4		0.2	<0.1				0.16	PO_4	000.1	MY										5001	5006
01-21-69 1030	1.3		1.40	0.80				0.19													5001	5006
B9 D 753.5 129.3 MIDDLE RIVER AT BORDEN HIGHWAY NEAR TRACY																						
10-09-68 1000	0.5		<0.1	<0.1				0.12	PO_4	000.1	MY										5001	5006
01-21-69 0955	2.7		1.20	0.90				0.12													5001	5006
B9 D 756.1 125.8 WHISKEY SLOUGH AT HOLT																						
10-09-68 0921	0.4		<0.1	<0.1				<0.1	PO_4	000.1	MY										5001	5006
01-21-69 0910	5.0		1.8	0.32				0.07													5001	5006
B9 D 758.7 122.9 SAN JOAQUIN RIVER AT BUCKLEY COVE																						
10-10-68 --	1.7		2.8	<0.1				0.36	PO_4	00.28	M										5001	5006
01-23-69 1315	0.8		1.3	0.21				0.17													5001	5006
B9 D 800.5 134.8 OLD RIVER AT HOLLAND TRACT																						
10-28-68 --	<0.1		<0.08	<0.08				0.02	PO_4	00.01	MY										5001	5006
11-26-68 1230	0.5		0.51	<0.08				0.12	PO_4	00.02	M										5001	5006
12-17-68 1500	0.6		0.65	0.08				0.30	PO_4	00.01	MY										5001	5006
02-26-69 1330	0.5		0.29	<0.08				0.11	PO_4	00.09	M										5001	5006
03-27-69 1515	0.3		0.52	0.37				0.08	PO_4	00.06	M	DON	00.50	M	PON	00.02	M				5001	5006
04-25-69 1430	<0.1		1.50	<0.08				0.05	PO_4	00.01	M										5001	5006
09-18-69 1550	<0.05		0.33	<0.005				0.11	PO_4	00.05	M										5001	5006
B9 D 800.7 138.4 DUTCH SLOUGH AT BETHEL ISLAND BRIDGE																						
10-28-68 --	0.1		<0.08	<0.08				0.04	PO_4	00.01	M										5001	5006
11-26-68 1155	0.5		0.56	<0.08				0.11	PO_4	00.02	M										5001	5006
12-17-68 1420	0.6		0.54	<0.08				0.38	PO_4	00.11	M										5001	5006
02-26-69 1230	0.6		0.12	<0.08				0.11	PO_4	00.09	M										5001	5006
03-28-69 1530	0.2		0.58	0.15				0.07	PO_4	00.06	M	DON	00.50	M	PON	00.08	M				5001	5006
04-25-69 1345	<0.1		1.50	<0.08				0.05	PO_4	00.01	MY										5001	5006
09-18-69 1445	<0.05		0.38	<0.005				0.13	PO_4	00.06	M										5001	5006
B9 D 800.8 143.9 BIG BREAK AT BIG BREAK RESORT																						
10-28-68 --	<0.1		<0.08	<0.08				<0.01	PO_4	00.01	MY										5001	5006
12-17-68 1335	0.5		0.45	0.12				0.30	PO_4	00.01	MY										5001	5006

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

DATE TIME	NUTRIENTS (Mg/L) NITROGEN SERIES AS N					PHOSPHATE SERIES AS P			MISCELLANEOUS NUTRIENTS											SAMP	LAB
	NO_3	NO_2	ORG	NH_4	TOTAL	ORTHO	HYORO	TOTAL	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR		
B9 D 801.1 142.6 BIG BREAK NEAR OAKLEY																						
11-26-68 1105	0.5		0.55	<0.08				0.11	PO_4	00.02	M										5001	5006
02-25-68 1035	0.9		1.00	<0.08				0.13	PO_4	00.10	M										5001	5006
03-28-69 1350	0.3		0.50	0.22				0.07	PO_4	00.06	M	DON	00.48	M	PON	00.02	M				5001	5006
05-07-69 1000	0.3		1.10	<0.08				0.08	PO_4	00.06	M										5001	5006
06-11-69 1735	<0.1		0.50	<0.08				0.08	PO_4	00.03	M										5001	5006
07-23-69 1425	<0.05		0.52	<0.005				0.17	PO_4	00.02	M	DON	00.17	M	PON	00.35	M				5001	5006
08-20-69 1340	<0.05		0.30	0.03				0.12	PO_4	00.04	M	DON	00.15	M	PON	00.15	M				5001	5006
09-18-69 1225	<0.05		0.42	0.02				0.11	PO_4	00.05	M	DON	00.34	M	PON	00.08	M				5001	5006
B9 D 801.1 148.1 SAN JOAQUIN RIVER AT ANTIOCH																						
12-09-68 1350	0.00	0.48	0.3	0.09		0.12	0.02	0.20													5050	5050
02-05-69 1345	0.01	0.88	0.7	0.10		0.09	0.06	0.17													5050	5050
04-07-69 1425	0.00	0.24	0.4	0.00		0.05	0.06	0.15													5050	5050
06-03-69 1230	0.22	0.00	0.5	0.00		0.06	0.10	0.27													5050	5050
08-12-69 1145	0.07	0.00	0.7	0.03		0.06	0.02	0.20													5050	5050
B9 D 801.1 148.8 SAN JOAQUIN RIVER BY ANTIOCH																						
10-14-68 1400	0.37	0.00	0.4	0.06		0.08	0.06	0.24													5050	5050
B9 D 801.2 148.5 SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL																						
10-28-68 --	<0.1		<0.08	<0.1				0.03	PO_4	00.01	M										5001	5006
11-26-68 1035	0.5		0.58	0.08				0.09	PO_4	00.02	M										5001	5006
12-17-68 1410	0.4		0.80	0.21				0.32	PO_4	00.10	M										5001	5006
01-29-69 1300	0.8		1.85	<0.08				0.09	PO_4	00.02	M										5001	5006
02-27-69 1215	0.2		0.26	<0.08				0.11	PO_4	00.08	M										5001	5006
03-28-69 1240	0.3		0.81	0.31				0.07	PO_4	00.06	M	DON	00.56	M	PON	00.25	M				5001	5006
05-07-69 0915	0.3		0.70	<0.08				0.08	PO_4	00.05	M										5001	5006
06-11-69 1650	<0.1		0.40	0.10				0.04	PO_4	00.01	M										5001	5006
07-23-69 1345	<0.05		0.58	<0.005				0.15	PO_4	00.03	M	DON	00.40	M	PON	00.18	M				5001	5006
08-19-69 1025	<0.05		0.68	<0.005				0.16	PO_4	00.09	M	DON	00.13	M	PON	00.55	M				5001	5006
09-17-69 1010	<0.05		0.11	0.12				0.13	PO_4	00.05	M	DON	00.11	M	PON	00.01	MY				5001	5006
B9 D 801.6 145.2 SAN JOAQUIN RIVER AT ANTIOCH BRIDGE (AT LIGHT 12)																						
10-28-68 --	<0.1		<0.08	<0.08				0.02	PO_4	00.01	MY										5001	5006
11-26-68 1050	0.5		0.50	<0.08				0.08	PO_4	00.02	M										5001	5006
12-17-68 1425	0.4		0.72	0.55				0.30	PO_4	00.01	M										5001	5006
01-29-69 1340	0.8		1.20	<0.08				0.09	PO_4	00.02	M										5001	5006
02-27-69 1245	0.6		0.12	<0.08				0.11	PO_4	00.08	M										5001	5006
03-28-69 1315	0.3		0.24	0.15				0.08	PO_4	00.07	M	DON	00.22	M	PON	00.02	M				5001	5006

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

DATE TIME	NUTRIENTS (Mg/L)								MISCELLANEOUS NUTRIENTS											SAMP	LAB
	NITROGEN SERIES AS N					PHOSPHATE SERIES AS P															
	NO_3	NO_2	ORG	NH_4	TOTAL	ORTHO	HYDRO	TOTAL	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR		
B9 D 801.6 145.2 SAN JOAQUIN RIVER AT ANTIOCH BRIDGE (AT LIGHT 12) (Continued)																					
05-07-69 0940	0.3		1.02	<0.08				0.11	PO_4	00.07	M										5001	5006
06-11-69 1715	<0.1		0.15	<0.08				0.08	PO_4	00.05	M										5001	5006
07-23-69 1405	<0.05		0.41	0.01				0.12	PO_4	00.03	M	DON	00.33	M	PON	00.08	M				5001	5006
08-20-69 1320	<0.05		0.23	0.04				0.11	PO_4	00.07	M	DON	00.20	M	PON	00.03	M				5001	5006
09-18-69 1205	<0.05		0.19	0.09				0.11	PO_4	00.05	M	DON	00.19	M	PON	00.01	MY				5001	5006
B9 D 801.9 151.4 NEW YORK SLOUGH NEAR PITTSBURG POINT																					
10-28-68 --	<0.1		0.10	<0.08				0.03	PO_4	00.02	M										5001	5006
11-26-68 1020	0.5		0.46	0.08				0.07	PO_4	00.02	M										5001	5006
12-17-68 1345	0.4		0.10	0.28				0.36	PO_4	00.07	M										5001	5006
01-28-69 1330	1.6		1.34	0.13				0.10	PO_4	00.01	M										5001	5006
02-26-69 1215	0.7		0.85	<0.08				0.10	PO_4	00.08	M										5001	5006
03-27-69 1315	0.3		0.54	<0.08				0.08	PO_4	00.05	M	DON	00.47	M	PON	00.07	M				5001	5006
05-07-69 0855	0.3		1.52	<0.08				0.07	PO_4	00.05	M										5001	5006
09-17-69 0950	<0.05		0.73	<0.005				0.10	PO_4	00.05	M										5001	5006
B9 D 802.6 136.8 FRANKS TRACT NEAR RUSSOS LANDING																					
10-28-68 --	<0.1		<0.08	<0.08				0.04	PO_4	00.01	MY										5001	5006
11-26-68 1215	0.4		0.58	<0.08				0.11	PO_4	00.02	MY										5001	5006
12-17-68 1610	0.5		0.50	<0.08				0.17	PO_4	00.01	MY										5001	5006
01-27-69 1420	1.9		1.52	0.13				0.16	PO_4	00.06	MY										5001	5006
02-25-69 1325	0.4		0.82	<0.08				0.10	PO_4	00.08	MY										5001	5006
03-27-69 1300	0.3		0.49	0.19				0.07	PO_4	00.06	M	DON	00.46	M	PON	00.03	M				5001	5006
05-07-69 1200	0.3		0.70	<0.08				0.09	PO_4	00.07	M										5001	5006
06-11-69 1935	0.2		0.55	<0.08				0.09	PO_4	00.06	M										5001	5006
07-23-69 1645	<0.05		0.46	<0.005				0.17	PO_4	00.03	M	DON	00.19	M	PON	00.27	M				5001	5006
08-20-69 1550	<0.05		0.26	0.01				0.12	PO_4	00.05	M	DON	00.14	M	PON	00.12	M				5001	5006
09-18-69 1455	<0.05		0.65	0.03				0.12	PO_4	00.05	M	DON	00.11	M	PON	00.54	M				5001	5006
B9 D 802.6 147.6 SHERMAN LAKE NEAR ANTIOCH																					
11-26-68 1040	0.4		0.50	<0.08				0.12	PO_4	00.02	M										5001	5006
02-26-69 1300	<0.1		0.22	<0.08				0.08	PO_4	00.04	M										5001	5006
04-25-69 1145	<0.1		1.50	<0.08				0.04	PO_4	00.01	M										5001	5006
06-09-69 1400	<0.1		0.65	0.10				0.09	PO_4	00.07	M										5001	5006
07-23-69 1300	<0.05		0.55	<0.005				0.20	PO_4	00.04	M	DON	00.27	M	PON	00.28	M				5001	5006
08-19-69 1055	<0.05		0.32	0.01				0.10	PO_4	00.03	M	DON	00.14	M	PON	00.18	M				5001	5006
09-17-69 1040	<0.05		0.16	0.11				0.12	PO_4	00.06	M	DON	00.16	M	PON	00.01	MY				5001	5006

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

DATE TIME	NUTRIENTS (Mg/L)								MISCELLANEOUS NUTRIENTS											SAMP	LAB
	NITROGEN SERIES AS N					PHOSPHATE SERIES AS P															
	NO_3	NO_2	ORG	NH_4	TOTAL	ORTHO	HYDRO	TOTAL	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR		
B9 D 802.7 123.3 DISAPPOINTMENT SLOUGH NEAR LODI																					
10-10-68 --	0.3		0.1	<0.1				0.16	PO_4	000.1	MY									5001	5006
01-23-69 1145	1.5		2.0	0.35				0.36												5001	5006
B9 D 803.1 141.3 SAN JOAQUIN RIVER AT JERSEY POINT																					
10-28-68 --	<0.1		<0.08	<0.08				0.01	PO_4	00.02	M									5001	5006
11-26-68 1110	<0.1		0.61	<0.08				0.10	PO_4	00.02	M									5001	5006
12-17-68 1500	0.5		0.55	0.15				0.29	PO_4	00.01	MY									5001	5006
01-27-69 1145	1.4		1.55	0.44				0.12	PO_4	00.02	M									5001	5006
02-25-69 1110	0.8		0.52	<0.08				0.10	PO_4	00.08	M									5001	5006
03-26-69 1100	0.3		0.49	<0.08				0.07	PO_4	00.06	M	DON	00.42	M	PON	00.07	M			5001	5006
05-07-69 1025	0.3		1.10	<0.08				0.09	PO_4	00.06	M									5001	5006
06-11-69 1800	<0.1		0.10	<0.08				0.07	PO_4	00.04	M									5001	5006
07-23-69 1500	<0.05		0.55	<0.005				0.11	PO_4	00.03	M	DON	00.21	M	PON	00.34	M			5001	5006
08-20-69 1410	<0.05		0.45	0.01				0.12	PO_4	00.05	M	DON	00.17	M	PON	00.28	M			5001	5006
09-18-69 1300	<0.05		0.43	0.02				0.11	PO_4	00.06	M	DON	00.25	M	PON	00.18	M			5001	5006
B9 D 803.7 136.1 FALSE RIVER AT WEBB PUMP																					
10-28-68 --	<0.1		<0.08	<0.08				0.03	PO_4	00.01	M									5001	5006
11-26-68 1205	0.5		0.50	<0.08				0.10	PO_4	00.02	M									5001	5006
12-17-68 1600	0.5		0.47	<0.08				0.28	PO_4	00.01	MY									5001	5006
01-27-69 1345	1.9		1.57	0.13				0.12	PO_4	00.02	M									5001	5006
02-25-69 1305	0.6		0.70	<0.08				0.10	PO_4	00.08	M									5001	5006
03-26-69 1320	0.3		0.75	<0.08				0.08	PO_4	00.06	M	DON	00.50	M	PON	00.25	M			5001	5006
05-07-69 1145	0.3		0.80	<0.08				0.08	PO_4	00.07	M									5001	5006
09-18-69 1430	<0.05		0.33	<0.005				0.11	PO_4	00.05	M									5001	5006
B9 D 804.4 134.2 OLD RIVER AT MOUTH																					
10-28-68 --	<0.1		<0.08	<0.08				0.08	PO_4	00.09	M									5001	5006
11-26-68 1150	0.1		0.50	<0.08				0.12	PO_4	00.02	M									5001	5006
12-17-68 1545	0.5		0.05	0.16				0.26	PO_4	00.08	M									5001	5006
01-27-69 1330	1.6		1.32	0.09				0.14	PO_4	00.02	M									5001	5006
02-25-69 1245	0.7		0.72	0.10				0.13	PO_4	00.10	M									5001	5006
03-26-69 1255	0.2		0.38	0.15				0.07	PO_4	00.06	M	DON	00.35	M	PON	00.03	M			5001	5006
05-07-69 1125	0.3		0.30	<0.08				0.09	PO_4	00.06	M									5001	5006
06-11-69 1900	<0.1		0.65	<0.08				0.09	PO_4	00.06	M									5001	5006
07-23-69 1600	0.2		0.38	<0.005				0.16	PO_4	00.05	M	DON	00.05	M	PON	00.33	M			5001	5006
08-20-69 1510	<0.05		0.23	0.01				0.11	PO_4	00.05	M	DON	00.23	M	PON	00.01	MY			5001	5006
09-18-69 1405	0.14		0.24	<0.005				0.10	PO_4	00.07	M	DON	00.24	M	PON	00.01	MY			5001	5006

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

DATE TIME	NUTRIENTS (Mg/L) NITROGEN SERIES AS N					PHOSPHATE SERIES AS P			MISCELLANEOUS NUTRIENTS											SAMP	LAB
	NO_3	NO_2	ORG	NH_4	TOTAL	ORTHO	HYDRO	TOTAL	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR		
B9 D 805.1 144.3 SACRAMENTO RIVER AT EMMATON																					
10-30-68 1345	0.7		0.70	<0.08				0.05	PO_4	00.01	M										5001	5006
11-25-68 1100	0.1		0.52	0.08				0.09	PO_4	00.02	M										5001	5006
12-18-68 1435	0.5		0.11	0.22				0.30	PO_4	00.01	MY										5001	5006
01-28-69 1200	0.3		1.30	0.11				0.07	PO_4	00.01	M										5001	5006
02-25-69 1145	<0.1		0.10	<0.08				0.06	PO_4	00.04	M										5001	5006
03-26-69 1100	0.4		0.48	0.48				0.07	PO_4	00.05	M	DON	00.47	M	PON	00.01	M				5001	5006
05-08-69 0935	0.2		0.90	<0.08				0.07	PO_4	00.05	M										5001	5006
09-17-69 1110	0.08		0.45	<0.005				0.08	PO_4	00.06	M										5001	5006
B9 D 805.2 124.1 WHITE SLOUGH AT RIO BLANCO TRACT NEAR LODI																					
10-10-68 --	0.3		2.8	<0.1				6.00	PO_4	05.20	M										5001	5006
02-10-69 0930	3.8		4.75	0.72				2.84	PO_4	01.96	M										5001	5006
B9 D 805.2 126.0 WHITE SLOUGH NEAR LODI																					
10-10-68 --	0.5		0.3	0.2				0.20	PO_4	00.16	M										5001	5006
01-23-69 1040	2.8		1.4	0.50				0.29													5001	5006
B9 D 805.8 140.1 SAN JOAQUIN RIVER AT TWITCHELL ISLAND																					
10-28-68 --	<0.1		<0.08	<0.08				0.05	PO_4	00.01	M										5001	5006
11-26-68 1125	0.4		0.20	0.08				0.09	PO_4	00.02	M										5001	5006
12-17-68 1520	0.4		0.55	0.08				0.33	PO_4	00.05	M										5001	5006
01-27-69 1225	1.4		1.20	<0.08				0.13	PO_4	00.02	M										5001	5006
02-25-69 1145	0.8		0.40	<0.08				0.10	PO_4	00.08	M										5001	5006
03-26-69 1145	0.3		0.36	<0.08				0.07	PO_4	00.06	M	DON	00.34	M	PON	00.02	M				5001	5006
05-07-69 1050	0.3		1.12	<0.08				0.09	PO_4	00.06	M										5001	5006
09-18-69 1325	0.09		0.27	<0.005				0.10	PO_4	00.07	M										5001	5006
B9 D 806.4 142.0 THREE MILE SLOUGH AT SACRAMENTO RIVER																					
10-30-68 1300	0.7		1.35	0.2				0.06	PO_4	00.01	M										5001	5006
11-25-68 1115	0.1		0.51	<0.08				0.11	PO_4	00.02	M										5001	5006
12-18-68 1455	0.5		0.51	<0.08				0.28	PO_4	00.01	M										5001	5006
01-28-69 1230	0.3		0.70	<0.08				0.07	PO_4	00.04	M										5001	5006
02-25-69 1240	<0.1		0.45	<0.08				0.07	PO_4	00.04	M										5001	5006
03-26-69 1230	0.2		0.41	<0.08				0.06	PO_4	00.05	M	DON	00.31	M	PON	00.10	M				5001	5006
05-08-69 0950	0.2		0.58	<0.08				0.07	PO_4	00.05	M										5001	5006
09-17-69 1130	0.08		0.42	<0.0005				0.07	PO_4	00.08	M										5001	5006
B9 D 808.8 125.8 SYCAMORE SLOUGH AT DRAIN NEAR LODI																					
02-10-69 1040	<0.1		7.35	6.31				1.34	PO_4	01.25	M										5001	5006

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

DATE TIME	NUTRIENTS (Mg/L)								MISCELLANEOUS NUTRIENTS											SAMP	LAB
	NITROGEN SERIES AS N					PHOSPHATE SERIES AS P															
	NO_3	NO_2	ORG	NH_4	TOTAL	ORTHO	HYDRO	TOTAL	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	
B9 D 808.8 126.1 SYCAMORE SLOUGH NEAR LODI																					
10-10-68 --	0.3		0.1	<0.1				1.36	PO_4	01.12	M										5001	5006
B9 D 809.6 141.1 SACRAMENTO RIVER AT RIO VISTA BRIDGE																					
10-30-68 1320	0.7		<0.08	<0.08				0.06	PO_4	00.01	M										5001	5006
11-25-68 1135	0.4		0.63	<0.08				0.10	PO_4	00.02	M										5001	5006
12-18-68 1515	0.5		0.62	0.31				0.35	PO_4	00.08	M										5001	5006
01-28-69 1315	0.3		1.20	<0.08				0.08	PO_4	00.05	M										5001	5006
02-25-69 1330	0.2		0.36	<0.08				0.08	PO_4	00.06	M										5001	5006
03-29-69 1430	0.2		0.41	0.37				0.07	PO_4	00.05	M	DON	00.37	M	PON	00.04	M				5001	5006
05-08-69 1020	0.2		0.30	0.20				0.07	PO_4	00.06	M										5001	5006
06-10-69 1645	0.2		0.40	<0.08				0.05	PO_4	00.04	M										5001	5006
07-22-69 1315	0.1		0.50	0.11				0.13	PO_4	00.10	M	DON	01.50	M	PON	00.00	M				5001	5006
08-19-69 1220	0.1		0.18	0.04				6.15	PO_4	00.04	M	DON	00.02	M	PON	00.16	M				5001	5006
09-18-69 1140	0.11		0.20	0.03				0.09	PO_4	00.08	M	DON	00.20	M	PON	00.01	MY				5001	5006
B9 D 810.1 127.9 HOG SLOUGH NEAR THORNTON																					
10-11-68 --	0.4		0.2	0.2				0.05	PO_4	00.00	M										5001	5006
02-10-69 1125	0.7		1.50	0.12				0.28	PO_4	00.24	M										5001	5006
B9 D 811.0 139.3 STEAMBOAT SLOUGH ABOVE CACHE SLOUGH																					
10-30-68 1340	0.9		0.42	0.21				0.06	PO_4	00.01	M										5001	5006
11-25-68 1200	0.1		0.61	<0.08				0.11	PO_4	00.02	M										5001	5006
12-18-68 1530	0.5		0.6	0.12				0.32	PO_4	00.07	M										5001	5006
02-25-69 1330	0.1		0.45	<0.08				0.07	PO_4	00.06	M										5001	5006
03-29-69 1530	0.2		0.39	0.22				0.07	PO_4	00.05	M	DON	00.35	M	PON	00.04	M				5001	5006
05-08-69 1050	0.1		0.85	<0.08				0.07	PO_4	00.05	M										5001	5006
09-17-69 1210	0.08		0.22	<0.005				0.09	PO_4	00.08	M										5001	5006
B9 D 812.3 126.8 BEAVER SLOUGH NEAR THORNTON																					
10-11-68 --	0.3		0.4	<0.1				0.20	PO_4	00.12	M										5001	5006
02-10-69 1200	0.3		3.38	3.05				1.49	PO_4	01.38	M										5001	5006
B9 D 815.6 147.2 CALHOUN CUT NEAR RIO VISTA																					
11-15-68 1325							0.14														5050	5050
B9 D 815.3 126.3 MOKELUMNE RIVER NEAR THORNTON																					
10-10-68 --	0.3		0.2	0.2				<0.1	PO_4	000.1	MY										5001	5006
02-10-69 1230	0.2		0.33	0.18				0.04	PO_4	00.02	M										5001	5006
89 D 816.6 129.8 SNODGRASS SLOUGH AT TWIN CITIES ROAD NEAR HOOD																					
10-10-68 --	0.6		0.2	0.2				0.12	PO	000.1	MY										5001	5006
02-10-69 1320	1.4		1.45	0.12				1.3	PO	001.1	M										5001	5006

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

DATE TIME	NUTRIENTS (Mg/L) NITROGEN SERIES AS N					PHOSPHATE SERIES AS P			MISCELLANEOUS NUTRIENTS										SAMP	LAB
	NO_3	NO_2	ORG	NH_4	TOTAL	ORTHO	HYDRO	TOTAL	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR		
B9 D 817.8 144.8 CACHE SLOUGH AT VALLEJO PUMPING PLANT																						
11-15-68 1120							0.05														5050	5050
B9 D 819.1 130.1 SNODGRASS SLOUGH AT SOUTHERN PACIFIC RR BRIDGE																						
10-11-68 --	0.5		0.2	<0.1				0.20	PO_4	000.1	MY										5001	5006
02-10-69 1350	0.8		0.85	0.18				1.3	PO_4	001.2	M										5001	5006
B9 D 820.7 132.7 SACRAMENTO RIVER AT GREENS LANDING																						
03-29-69 1210	0.2		0.28	<0.08				0.07	PO_4	00.05	M	DON	00.25	M	PON	00.03	M				5001	5006
05-01-69 1110	0.1		1.50	<0.08				0.05	PO_4	00.01	MY										5001	5006
09-18-69 1030	0.09		0.19	0.05				0.11	PO_4	00.09	M										5001	5006
B9 D 827.3 130.0 SACRAMENTO RIVER AT FREEPORT																						
10-02-68 1215	0.10		0.4	0.16		0.08		0.14													5050	5050
11-06-68 1300	0.21		0.3	0.23		0.10		0.20													5050	5050
12-04-68 1320	0.19		0.3	0.14		0.09	0.04	0.15													5050	5050
01-08-69 1335	0.60		0.3	0.10		0.07		0.13													5050	5050
02-05-69 1350	0.40		0.2	0.00		0.03		0.10													5050	5050
03-05-69 1410	0.39		0.3	0.00		0.06		0.18													5050	5050
04-09-69 1000	0.12		0.1	0.00		0.04		0.12													5050	5050
05-07-69 0940	0.11		0.2	0.03		0.04		0.16													5050	5050
06-04-69 1230	0.13		0.3	0.12		0.05		0.07													5050	5050
07-25-69 1140	0.15					0.08		0.11	KN	000.3	M										5050	5050
08-06-69 0945	0.09					0.06		0.11	KN	000.3	M										5050	5050
08-19-69 1100	0.13					0.04		0.09	KN	000.1	M										5050	5050
09-03-69 1145	0.08					0.06		0.09	KN	000.3	M										5050	5050
09-16-69 0830	0.10					0.06		0.14	KN	000.4	M										5050	5050
G7 L 856.3 000.4 LAKE TAHOE AT TAHOE KEYS MARINA																						
08-19-69 0930	0.0026	0.0012	0.147	0.0128				0.0050	RP	001.0	UY										5050	5060
G7 L 856.6 000.6 LAKE TAHOE NEAR TAHOE KEYS																						
11-20-69 1505	0.0010	0.0014	0.138	0.0218				<0.005	RP	0004.	U										5050	5060
03-26-69 1300	0.0044	0.0008	0.127	0.0206				0.017	RP	008.0	U										5050	5060
05-27-69 0745	0.0020	0.0008	0.121	0.0146				<0.005	RP	0003.	U										5050	5060
07-23-69 1115	0.0016	0.0008	0.092	0.0102				<0.005	RP	0001.	UY										5050	5060
08-19-69 0915	0.0022	0.0016	0.144	0.0160				<0.005	RP	001.0	U										5050	5060

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

DATE TIME	NUTRIENTS (Mg/L)								MISCELLANEOUS NUTRIENTS											SAMP	LAB
	NITROGEN SERIES AS N					PHOSPHATE SERIES AS P															
	NO_3	NO_2	ORG	NH_4	TOTAL	ORTHO	HYDRO	TOTAL	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	
G7 L 856.6 003.4 LAKE TAHOE NEAR TAYLOR CREEK																					
11-20-68 1453	0.0012	0.0012	0.165	0.0074				0.010	RP	007.0	U									5050	5060
03-26-69 1245	0.0046	0.0010	0.181	0.0190				.0100	RP	006.5	U									5050	5060
05-27-69 0815	0.0024	0.0008	0.079	0.0126				.0050	RP	003.0	U									5050	5060
07-23-69 1100	0.0048	0.0012	0.185	0.0130				<.005	RP	0001.	U									5050	5060
08-19-69 0945	0.0040	0.0008	0.136	0.0180				.0160	RP	001.0	U									5050	5060
G7 L 900.0 000.0 LAKE TAHOE, SOUTH CENTER																					
11-20-68 1425	0.0016	0.0008	0.133	0.0074				.005-.008	RP	006.0	U									5050	5060
03-26-69 1330	0.0040	0.0012	0.187	0.0126				.0100	RP	006.5	U									5050	5060
05-27-69 1400	0.0024	0.0008	0.118	0.0100				<.005	RP	003.0	U									5050	5060
07-23-69 1125	0.0012	0.0008	0.121	0.0080				<.005	RP	0001.	U									5050	5060
08-19-69 0900	0.0028	0.0006	0.100	0.0120				<.005	RP	001.0	U									5050	5060
G7 L 900.5 957.0 LAKE TAHOE AT ZEPHYR COVE																					
11-20-69 0845	0.0020	0.0012	0.088	0.0118				<.005	RP	004.0	U									5050	5060
03-26-69 0805	0.0072	0.0008	0.196	0.0124				.0170	RP	010.5	U									5050	5060
05-27-69 1345	0.0016	0.0012	0.146	0.0142				.0100	RP	005.0	U									5050	5060
07-23-69 1145	0.0022	0.0012	0.118	0.0180				<.005	RP	0001.	UY									5050	5060
08-19-69 0830	0.0044	0.0008	0.139	0.0212				.0050	RP	001.0	U									5050	5060
G7 L 900.8 006.6 LAKE TAHOE AT RUBICON BAY																					
11-20-68 1350	0.0012	0.0006	0.155	0.0130				.005-.008	RP	006.0	U									5050	5060
03-26-69 1210	0.0020	0.0012	0.167	0.0134				.0050	RP	005.0	U									5050	5060
05-27-69 0845	0.0026	0.0006	0.207	0.0130				<.005	RP	003.0	U									5050	5060
07-23-69 1030	0.0024	0.0008	0.137	0.0066				<.005	RP	0001.	U									5050	5060
08-19-69 1000	0.0030	0.0012	0.131	0.0150				.0	RP	001.0	U									5050	5060
G7 L 904.5 008.3 LAKE TAHOE AT CHAMBERS LODGE																					
11-20-69 1322	0.0040	0.0012	0.123	0.1112				.005-.008	RP	006.0	U									5050	5060
03-26-69 1150	0.0032	0.0010	0.162	0.0176				.0170	RP	008.0	U									5050	5060
05-27-69 0915	0.0064	0.0006	0.136	0.0162				.0050	RP	003.0	U									5050	5060
07-23-69 1000	0.0054	0.0008	0.080	0.0162				<.005	RP	0001.	U									5050	5060
08-19-69 1015	0.0026	0.0012	0.123	0.0112				.0100	RP	001.0	UY									5050	5060
G7 L 904.5 009.4 LAKE TAHOE AT OBEXERS MARINA AT HOMEWOOD																					
08-19-69 1030	0.0036	0.0008	0.135	0.0106				<.005	RP	001.0	UY									5050	5060

TABLE D-7 (CONT)

NUTRIENTS IN SURFACE WATER

DATE TIME	NUTRIENTS (Mg/L) NITROGEN SERIES AS N NO_3	NO_2	ORG	NH_4	TOTAL	PHOSPHATE SERIES AS P ORTHO	HYDRO	TOTAL	MISCELLANEOUS NUTRIENTS CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	SAMP	LAB
G7 L 905.4 956.4 LAKE TAHOE AT GLENBROOK																						
11-20-68 0920	0.0036	0.0020	0.153	0.0066				<.005	RP	004.0	U										5050	5060
03-26-69 0835	0.0006	0.0018	0.153	0.0193				.0100	RP	006.5	U										5050	5060
05-27-69 1315	0.0024	0.0008	0.174	0.0144				.0050	RP	005.0	U										5050	5060
07-23-69 1230	0.0020	0.0008	0.195	0.0100				<.005	RP	0001.	U										5050	5060
08-19-69 0815	0.0050	0.0006	0.156	0.0120				.0100	RP	001.0	UY										5050	5060
G7 L 908.7 000.3 LAKE TAHOE, NORTH CENTER																						
11-20-68 1225	0.0022	0.0012	0.144	0.0156				.005-.008	RP	006.0	U										5050	5060
03-26-69 0900	0.0028	0.0004	0.152	0.0162				.0100	RP	008.0	U										5050	5060
05-27-69 1245	0.0024	0.0008	0.083	0.0086				.0050	RP	005.0	U										5050	5060
07-23-69 1300	0.0028	0.0006	0.094	0.0100				<.005	RP	0001.	UY										5050	5060
08-19-69 0800	0.0024	0.0008	0.112	0.0136				<.005	RP	0001.	U										5050	5060
G7 L 910.8 007.1 LAKE TAHOE NEAR LAKE FOREST																						
11-20-68 1110	0.0034	0.0014	0.158	0.0162				.005-.008	RP	006.0	U										5050	5060
03-26-69 1110	0.0010	0.0008	0.174	0.0144				.0100	RP	006.5	U										5050	5060
05-27-69 1100	0.0012	0.0008	0.213	0.0150				.0050	RP	003.0	U										5050	5060
07-23-69 1415	0.0024	0.0008	0.078	0.0112				<.005	RP	0001.	U										5050	5060
08-19-69 0700	0.0038	0.0006	0.127	0.0130				.0050	RP	001.0	U										5050	5060
G7 L 914.2 002.2 LAKE TAHOE AT TAHOE VISTA																						
11-20-68 1040	0.0030	0.0014	0.123	0.0168				.005	RP	004.0	U										5050	5060
03-26-69 1015	0.0022	0.0010	0.181	0.0192				.0100	RP	008.0	U										5050	5060
05-27-69 1200	0.0042	0.0006	0.147	0.0134				.0050	RP	003.0	U										5050	5060
07-23-69 1345	0.0030	0.0012	0.102	0.0136				<.005	RP	0001.	U										5050	5060
08-19-69 0715	0.0026	0.0008	0.135	0.0112				.0050	RP	001.0	U										5050	5060
G7 L 914.2 956.8 LAKE TAHOE AT INCLINE GUARD STATION																						
11-20-68 1005	0.0014	0.0014	0.155	0.0106				<.005	RP	004.0	U										5050	5060
03-26-69 0945	0.0040	0.0008	0.195	0.0130				.0050	RP	005.0	U										5050	5060
05-27-69 1200	0.0080	0.0008	0.122	0.0144				.0050	RP	003.0	U										5050	5060
07-23-69 1330	0.0026	0.0008	0.154	0.0086				<.005	RP	0001.	U										5050	5060
08-19-69 0730	0.0026	0.0012	0.130	0.0160				<.005	RP	001.0	UY										5050	5060
G7 3253.01 INCLINE CREEK AT INCLINE VILLAGE																						
11-20-68 1745	0.0100	0.0032	0.205	0.0230				.022	RP	019.5	U										5050	5060
03-26-69 0845	0.0440	0.0018	0.212	0.0162				.030	RP	0025.	U										5050	5060
07-23-69 1230	0.0108	0.0012	0.113	0.0162				.005	RP	0005.	U										5050	5060
08-19-69 0730	0.0036	0.0018	0.129	0.0170				.0100	RP	009.0	U										5050	5060

TABLE B-7 (CONT)

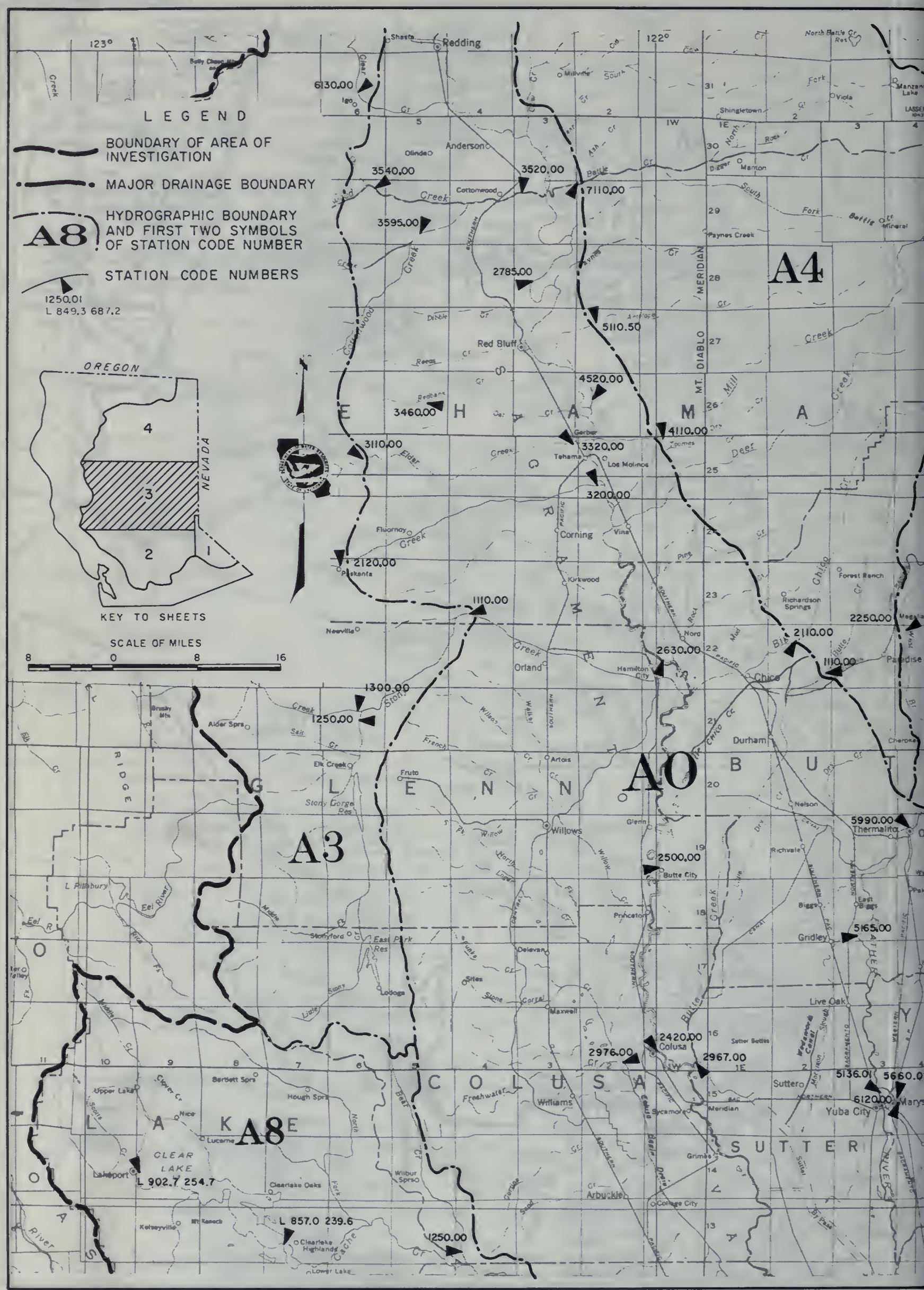
NUTRIENTS IN SURFACE WATER

DATE TIME	NUTRIENTS (Mg/L) NITROGEN SERIES AS N					PHOSPHATE SERIES AS P			MISCELLANEOUS NUTRIENTS										SAMP	LAB
	NO_3	NO_2	OAN	NH_4	TOTAL	ORTHO	HYDRO	TOTAL	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR		
G7 3300.01 GENERAL CREEK NEAR MERES RST																						
03-26-69 1035	0.0034	0.0008	0.232	0.0156				.0100	RP	007.0	U										5050	5060
07-23-69 1030	0.0138	0.0012	0.0170	0.0142				.005	RP	0005.	U										5050	5060
08-19-69 1130	0.0070	0.0014	0.155	0.0130				.0240	RP	012.0	U										5050	5060
G7 3571.01 TAYLOR CREEK NEAR CAMP RICHARDSON																						
11-20-68 1618	0.0042	0.0014	0.176	0.0176				.005	RP	004.0	U										5050	5060
03-26-69 1250	0.0024	0.0010	0.223	0.0328				.0100	RP	008.0	U										5050	5060
05-27-69 1730	0.0020	0.0024	0.120	0.0280				.0050	RP	003.0	U										5050	5060
07-23-69 1615	0.0102	0.0018	0.181	0.0180				.010	RP	0008.	U										5050	5060
08-19-69 1020	0.0094	0.0020	0.159	0.0150				.0100	RP	005.0	U										5050	5060
G7 3705.01 UPPER TRUCKEE RIVER NEAR MOUTH																						
11-20-68 1600	0.0060	0.0020	0.181	0.0188				.005	RP	004.0	U										5050	5060
03-26-69 1230	0.0268	0.0012	0.184	0.0284				.010	RP	006.5	U										5050	5060
05-27-69 1745	0.0092	0.0008	0.135	0.0168				.0170	RP	005.0	U										5050	5060
07-23-69 1600	0.0086	0.0012	0.138	0.0120				.005	RP	0005.	U										5050	5060
08-19-69 0935	0.0164	0.0016	0.106	0.0402				<.005	RP	001.0	U										5050	5060

SURFACE WATER QUALITY SAMPLING STATIONS

SURFACE WATER QUALITY SAMPLING STATIONS

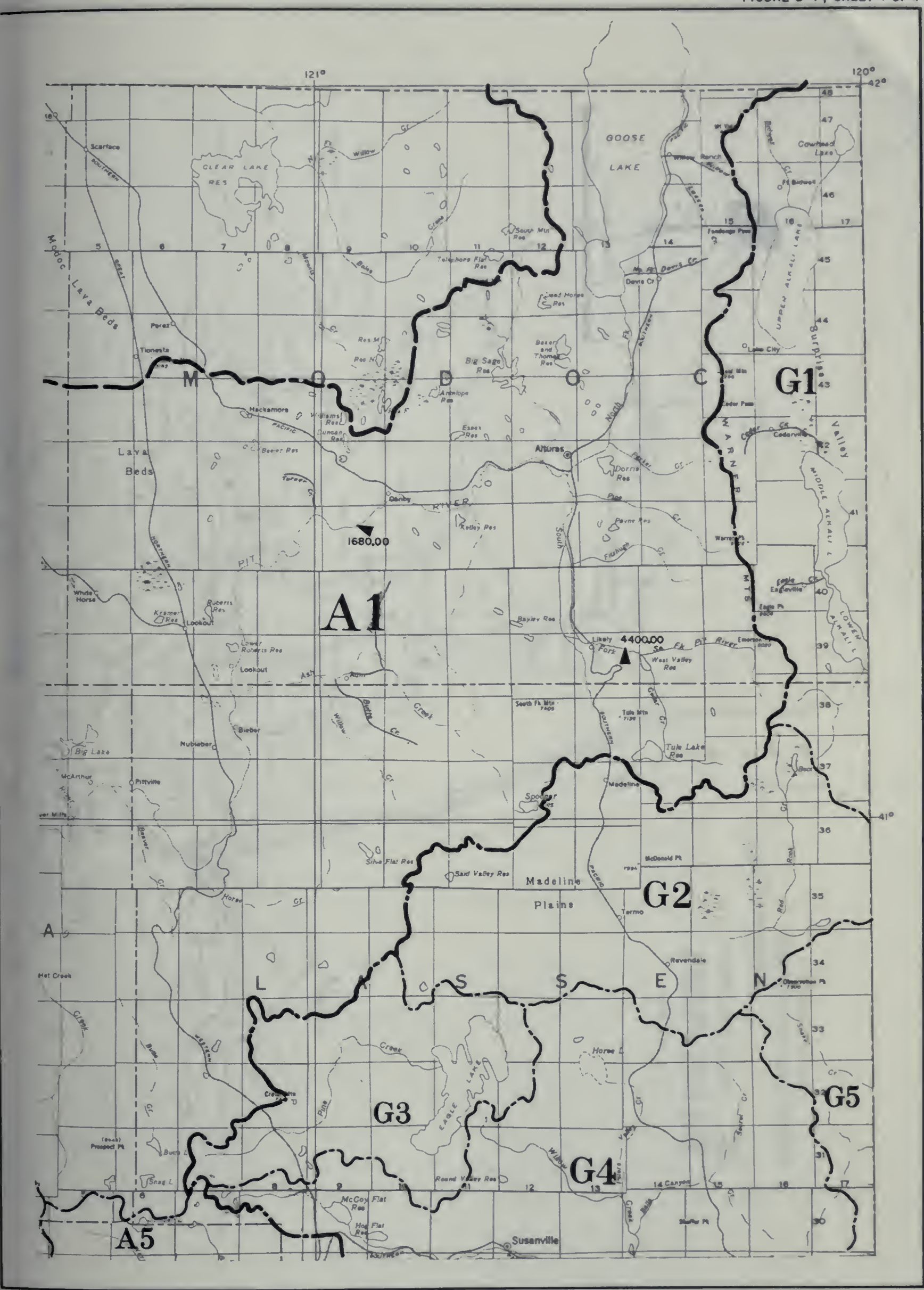
A6
A7
AO
B1
B2
BO
B9
G7
EL DORADO
SACRAMENTO
AMADOR
CALAVERAS
TUOLUMNE
SAN JOAQUIN
STANISLAUS
Grass Valley
Nevada City
Auburn
Placerville
Sacramento
Stockton
Lake Tahoe
Truckee
Jackson
Sonora
Modesto
Lodi
Roseville
Folsom
Rocklin
Angels Camp
Mokelumne Hill
Pollock Pines
Kyburz
Fair Oaks
Del Paso Hts
Galt
Ripon
Manteca
Tracy
Escalon
Oakdale
Riverbank
Volcano
Pine Grove
Drytown
Sutter Cr
Martell
Clements
Lockeford
Farmington
Farmington Res
Valley Springs
Kentucky House
San Andreas
Murphys
Vallecito
Columbia
Tuolumne
Chinese Camp
Jamestown
Cooperstown
Don Pedro Res
Lake McClure
Salt Spgs Res
Pinecrest
Meadow Vista
Colfax
Dutch Flat
Westville
Foresthill
Georgetown
Volcanoville
Garden Valley
Pilot Hill
Loomis
Rocklin
Lincoln
Newcastle
Penryn
Folsom Res
Folsom Dam
Clarksville
Shingle Spgs
Latrobe
Stockton
Farmington
Collegeville
Escalon
Oakdale
Ripon
Modesto
Empire
Turlock
Lathrop
Manteca
Tracy
Galt
Thornton
Lodi
Woodbridge
Acampo
Stockton
Linden
Peters
Farmington
Valley Springs
Kentucky House
Jenny Lind
Milton
Angels Camp
Murphys
Sonora
Tuolumne
Jamestown
Chinese Camp
Jacksonville
Groveland
Coulterville



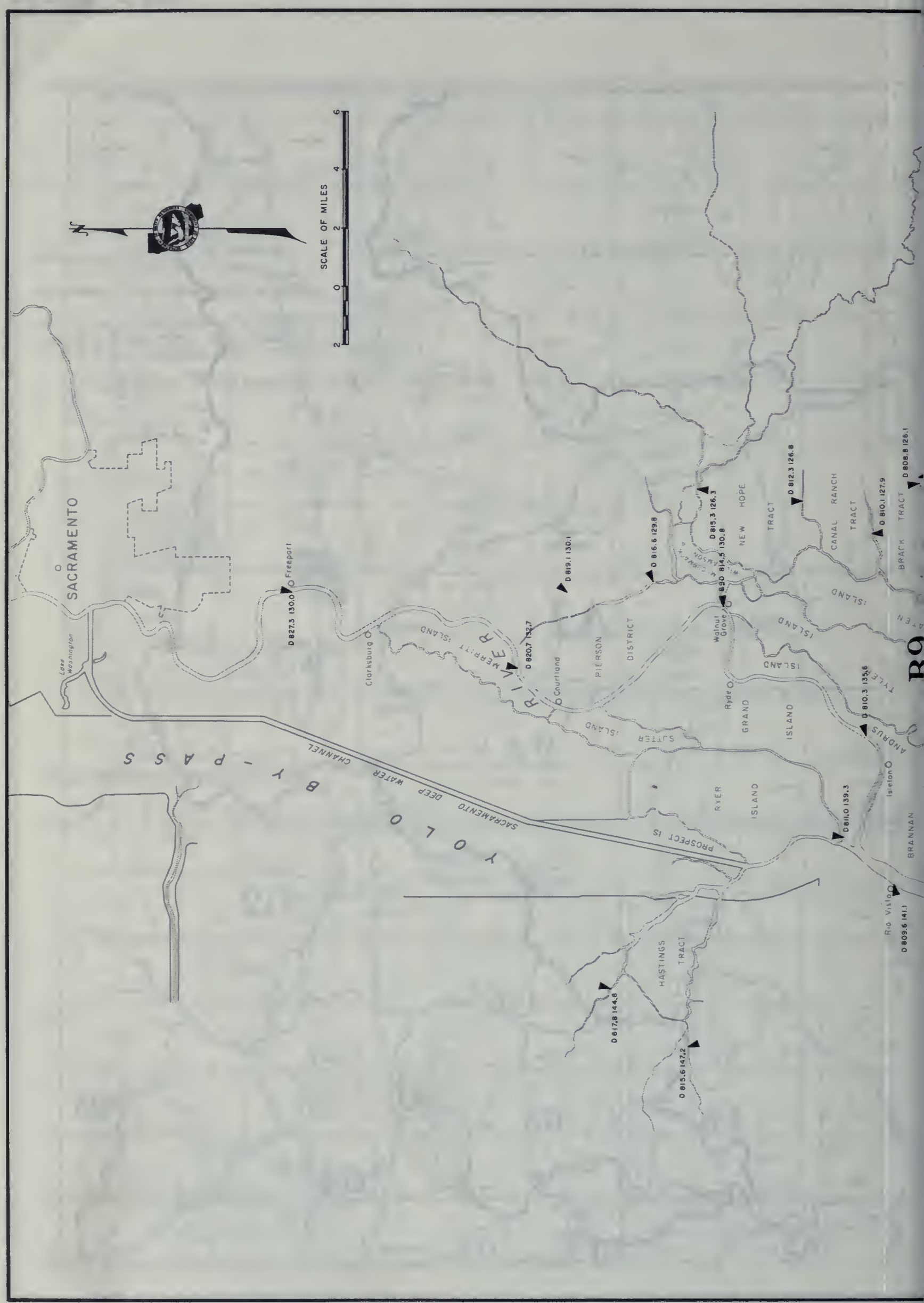
SURFACE WATER QUALITY SAMPLING STATIONS

SURFACE WATER QUALITY SAMPLING STATIONS

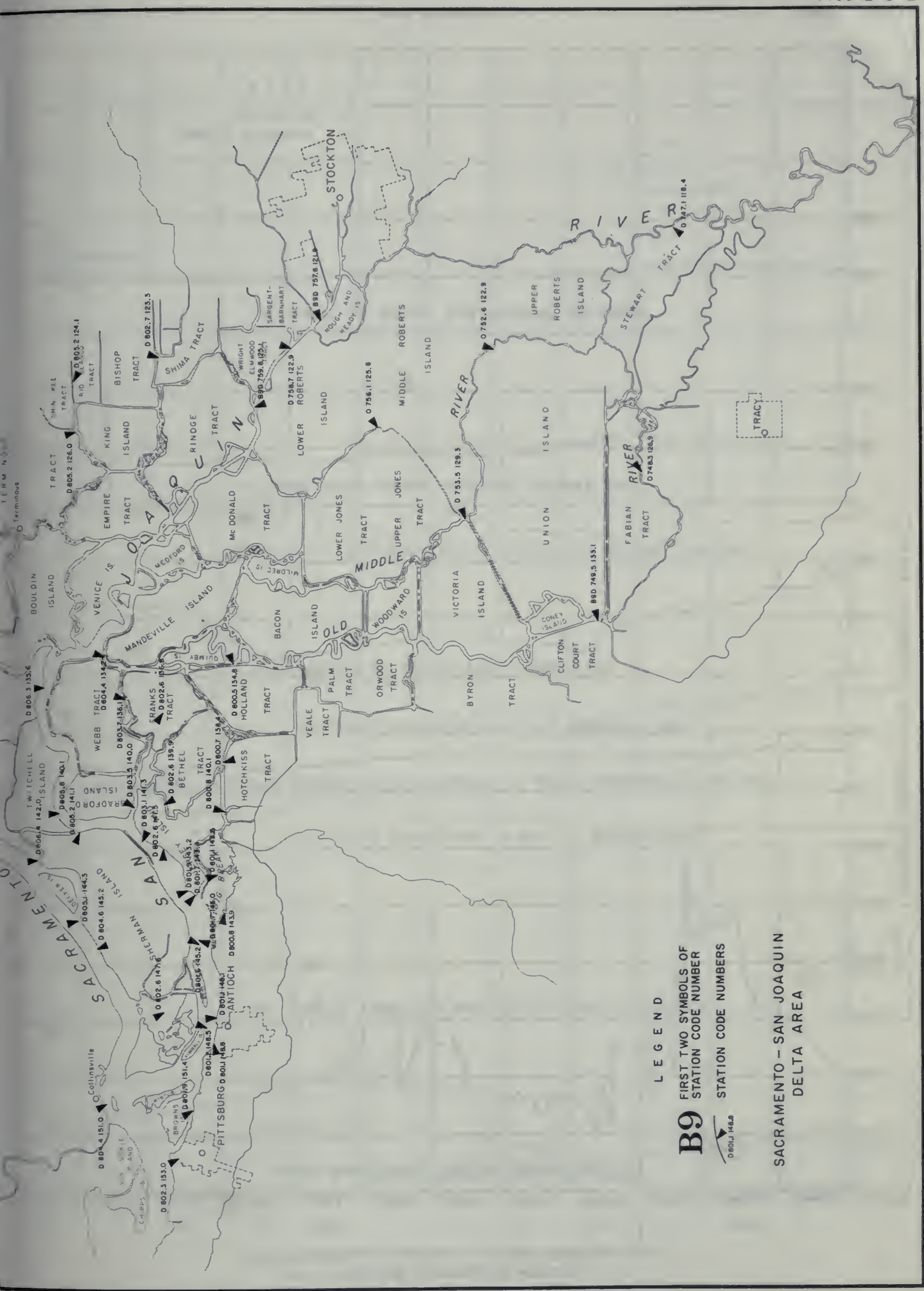
SURFACE WATER QUALITY SAMPLING STATIONS



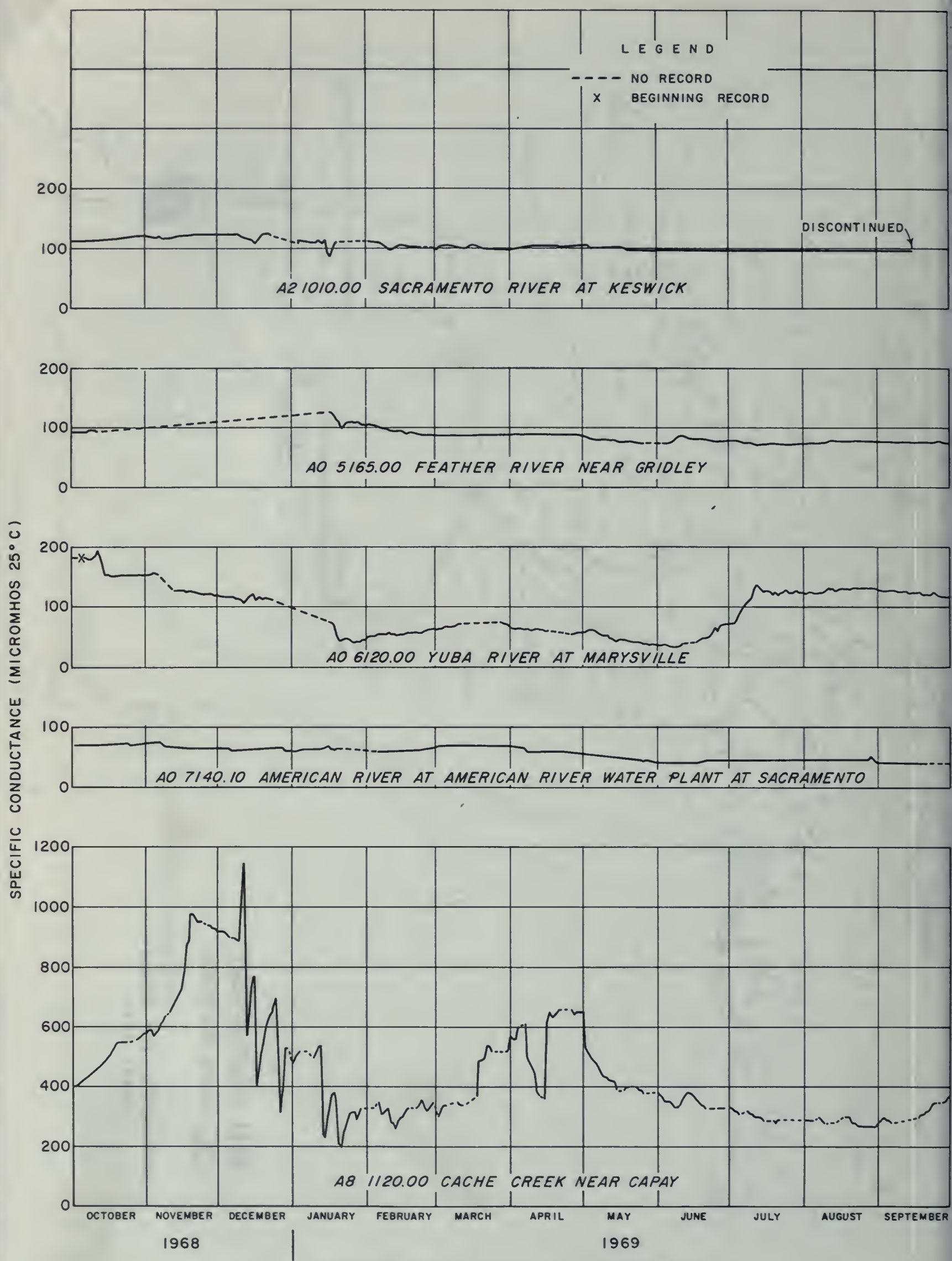
SURFACE WATER QUALITY SAMPLING STATIONS



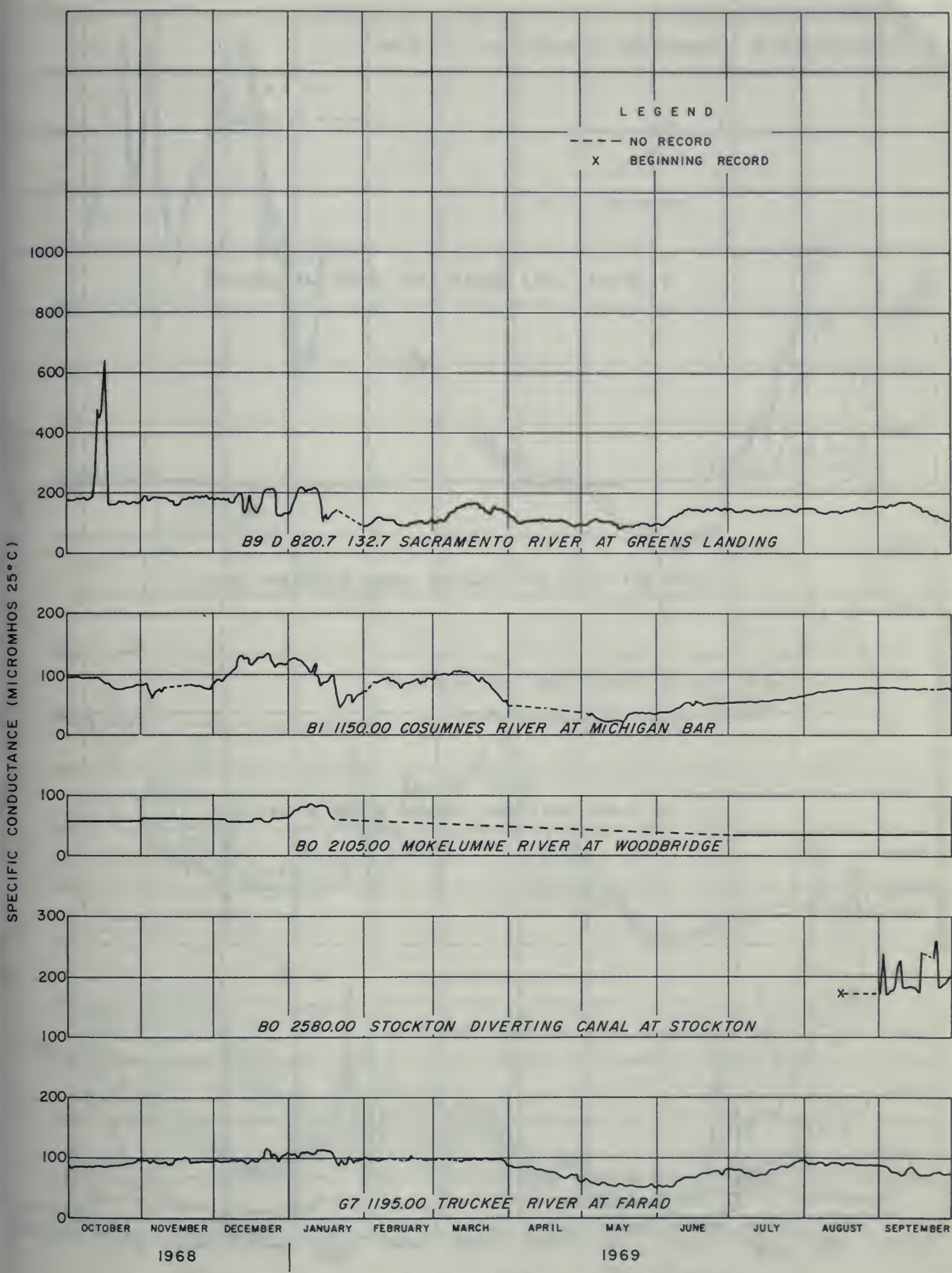
SURFACE WATER QUALITY SAMPLING STATIONS



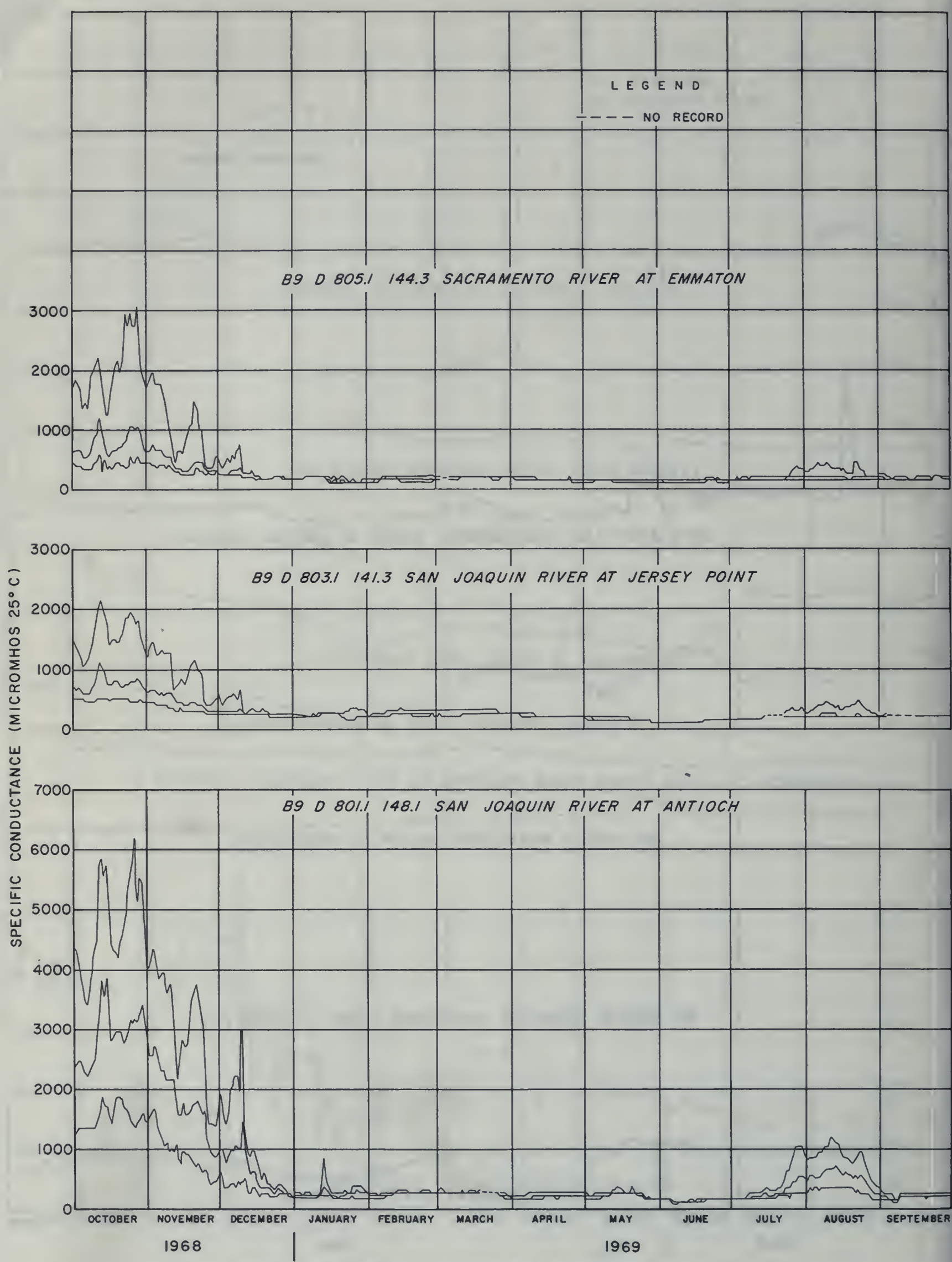
SURFACE WATER QUALITY SAMPLING STATIONS



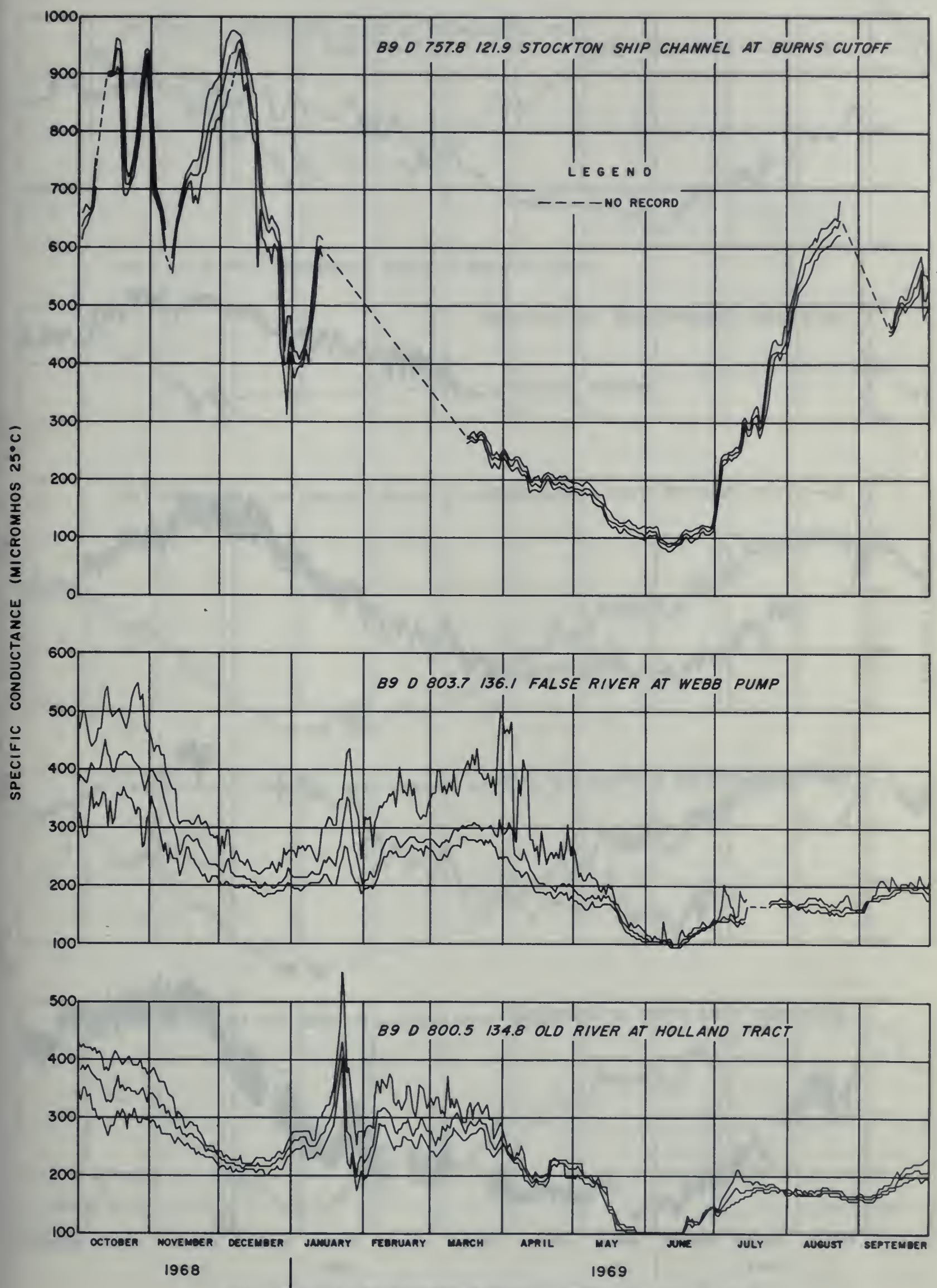
AVERAGE DAILY SPECIFIC CONDUCTANCE
OCTOBER 1968 THROUGH SEPTEMBER 1969



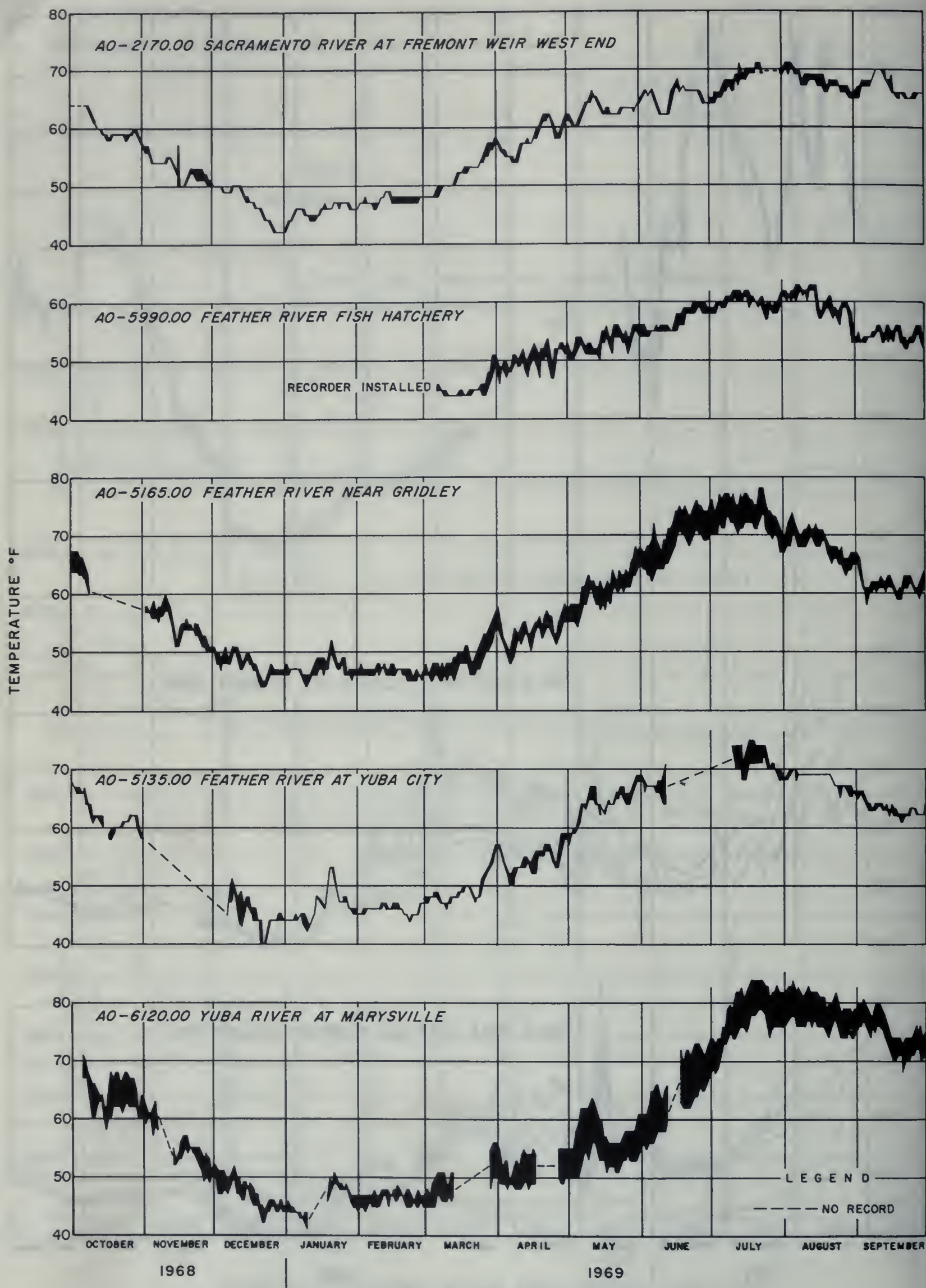
AVERAGE DAILY SPECIFIC CONDUCTANCE
OCTOBER 1968 THROUGH SEPTEMBER 1969



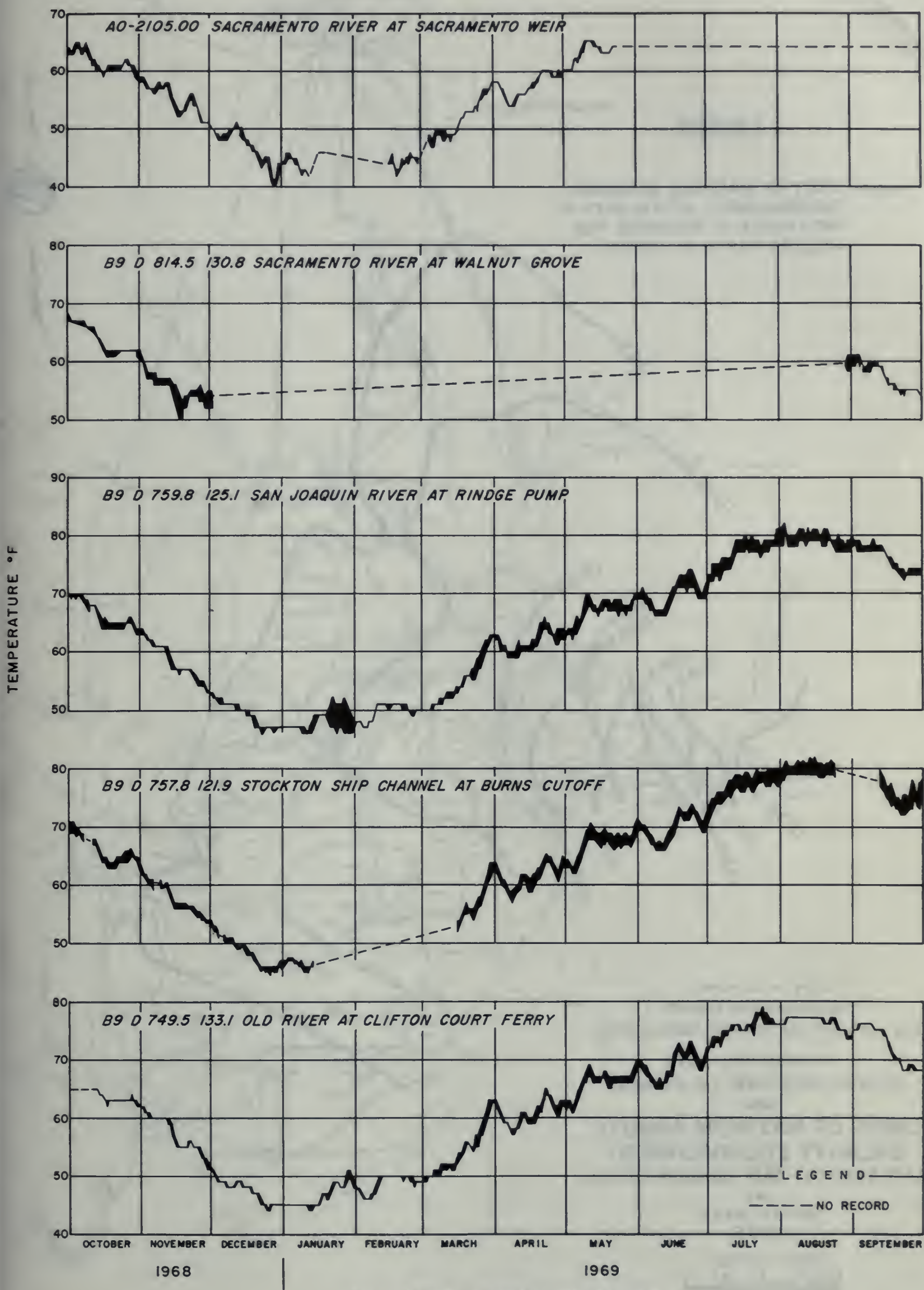
MAXIMUM, MINIMUM AND AVERAGE DAILY SPECIFIC CONDUCTANCE
OCTOBER 1968 THROUGH SEPTEMBER 1969



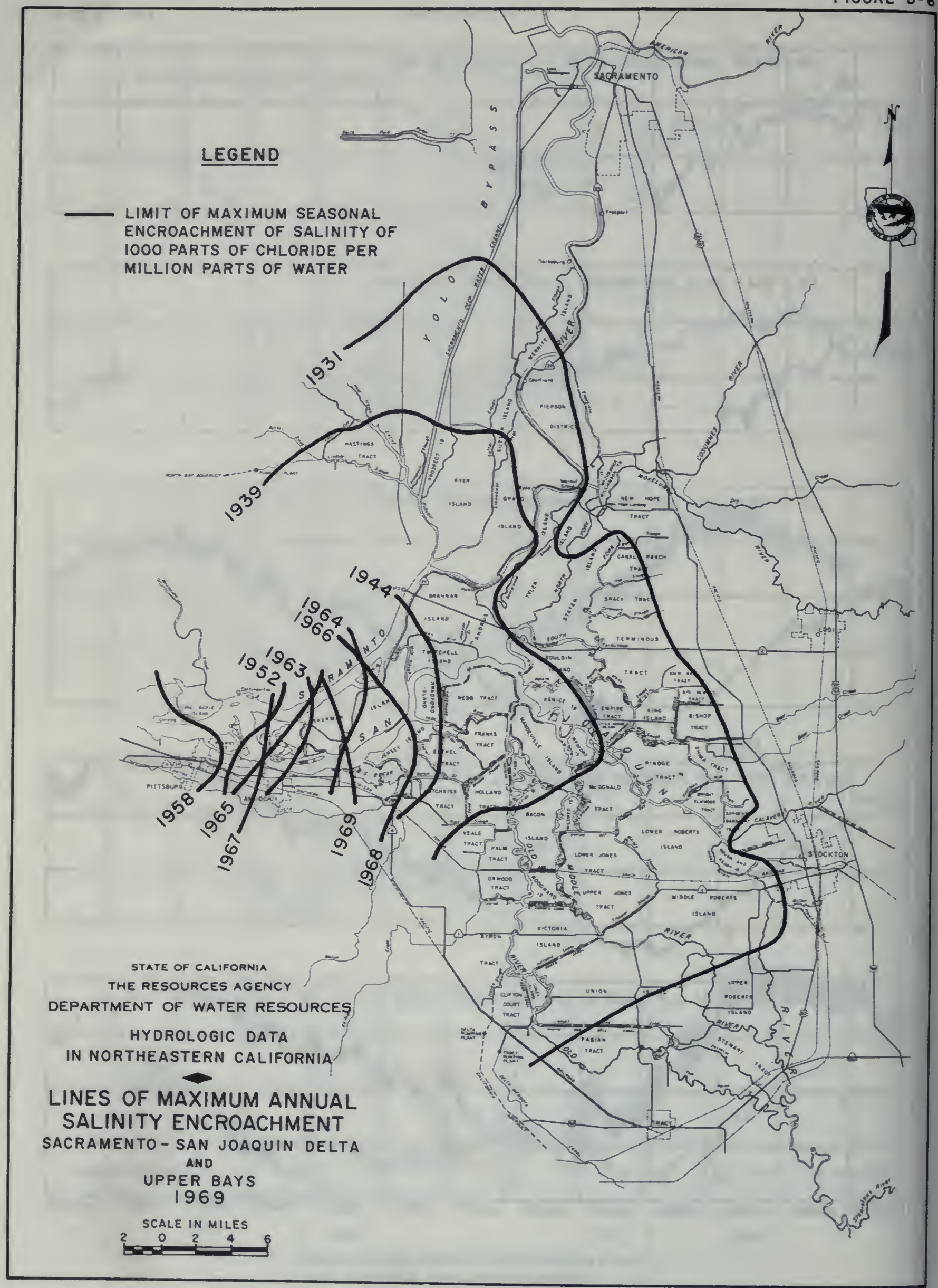
MAXIMUM, MINIMUM AND AVERAGE DAILY SPECIFIC CONDUCTANCE
OCTOBER 1968 THROUGH SEPTEMBER 1969



DAILY WATER TEMPERATURE RANGES
OCTOBER 1968 THROUGH SEPTEMBER 1969



DAILY WATER TEMPERATURE RANGES
OCTOBER 1968 THROUGH SEPTEMBER 1969


LEGEND
LIMIT OF MAXIMUM SEASONAL ENCROACHMENT OF SALINITY OF 1000 PARTS OF CHLORIDE PER MILLION PARTS OF WATER
1931
1939
1944
1964
1966
1963
1952
1958
1965
1967
1969
1968
SACRAMENTO
AMERICAN RIVER
YOLO BYPASS
SACRAMENTO RIVER
SAN JOAQUIN RIVER
COSUMNES RIVER
MOKELUMNE RIVER
STANISLAUS RIVER
STOCKTON
PITTSBURG
N
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
1969
SCALE IN MILES
2 0 2 4 6

Appendix E

GROUND WATER QUALITY

INTRODUCTION

This appendix presents ground water quality data collected during the period from October 1, 1968, through September 30, 1969. 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 1969 water year, 314 wells were sampled in 28 ground water basins and subbasins or subareas.

At the time of field sampling, pH and temperature measurements are normally made. 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 "Standard Methods for the Examination of Water and Wastewater", 12th Edition, American Public Health Association, New York, N. Y.

The Region and Basin and State Well Numbering Systems are described on page 297, Appendix C, "Ground Water Measurements".

INDEX TO
GROUND WATER QUALITY DATA

Number	Name	Page
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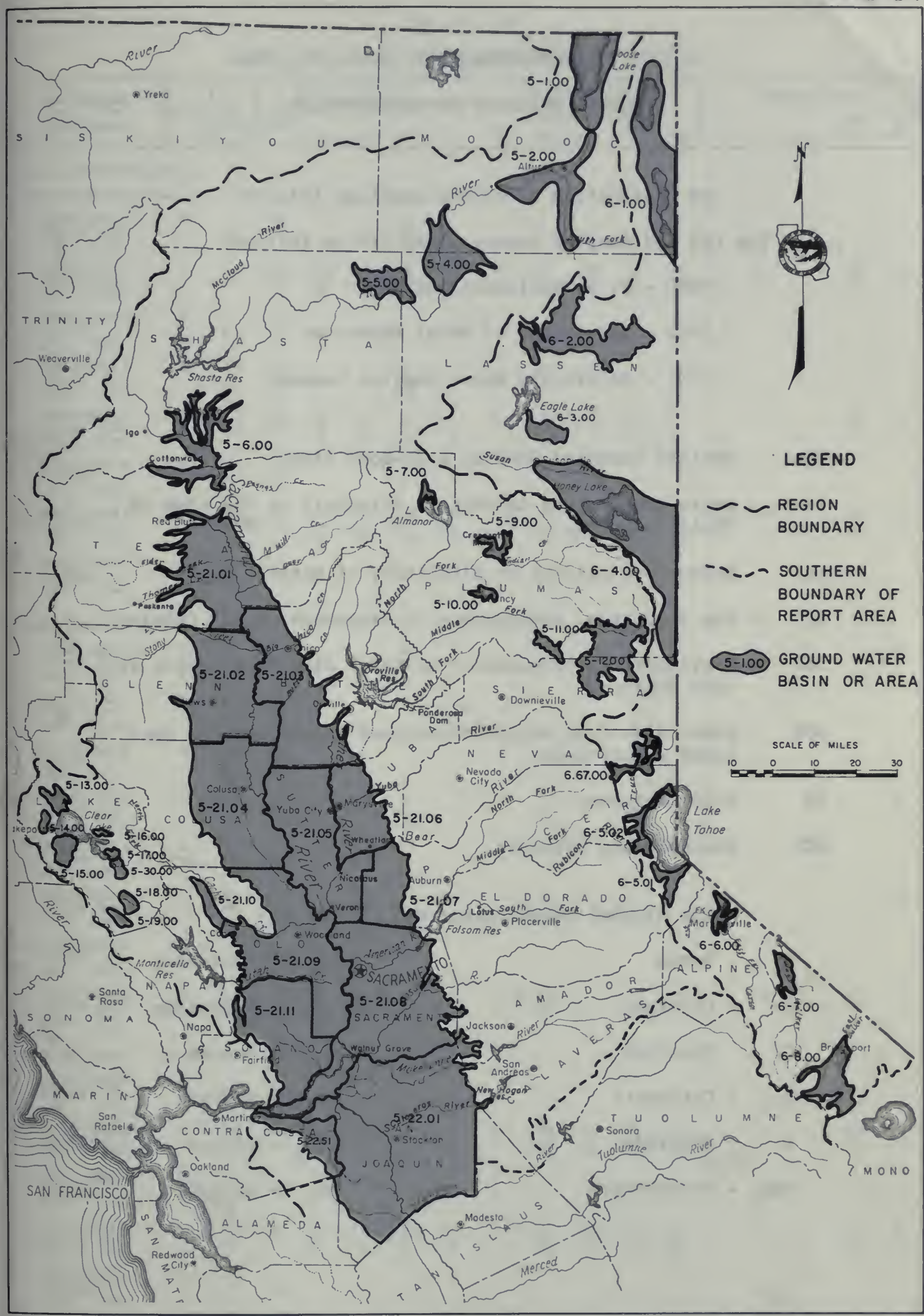
5-02.00	Alturas Basin	515, 530
5-04.00	Big Valley	515, 530
5-05.00	Fall River Valley	516
5-06.00	Redding Basin	516, 530
5-07.00	Lake Almanor Valley	
5-09.00	Indian Valley	
5-10.00	American Valley	
5-11.00	Mohawk Valley	
5-12.00	Sierra Valley	
5-13.00	Upper Lake Valley	517
5-14.00	Scott Valley	517, 530
5-15.00	Kelseyville Valley	517, 530
5-16.00	High Valley	518
5-17.00	Burns Valley	518
5-30.00	Lower Lake Area	518, 530
5-18.00	Coyote Valley	518
5-19.00	Collayomi Valley	518
5-21.00	Sacramento Valley	
5-21.01	Tehama County	519, 530
5-21.02	Glenn County	520, 530
5-21.03	Butte County	521, 530
5-21.04	Colusa County	522, 531
5-21.05	Sutter County	523
5-21.06	Yuba County	524
5-21.07	Placer County	524
5-21.08	Sacramento County	524, 531
5-21.09	Yolo County	525
5-21.10	Capay Valley	
5-21.11	Solano County	526
5-22.00	San Joaquin Valley	
5-22.01	San Joaquin County	526, 531
5-22.51	East Contra Costa Area	
	LAHONTAN REGION 6-00.00	
6-01.00	Surprise Valley	527, 531
6-02.00	Madeline Plains	528, 531
6-03.00	Willow Creek Valley	528
6-04.00	Honey Lake Valley	528, 531
6-67.00	Truckee Valley	
6-05.00	Tahoe Valley	
6-05.01	South Tahoe Valley	
6-05.02	North Tahoe Valley	
6-06.00	Carson Valley	
6-07.00	Topaz Valley	
6-08.00	Bridgeport Valley	

FIGURE E-1



GROUND WATER BASINS IN NORTHEASTERN CALIFORNIA

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

An explanation of column headings follows:

The Lab and Sampler agency codes are as follows:

5000 - U. S. Geological Survey

5050 - Department of Water Resources

5701 - California Water Service Company

Time - Pacific Standard Time on a 24-hour clock

Temp. - Water temperature in degrees Farenheit at the time of Field sampling.

pH - Measure of acidity or alkalinity of water.

EC - The electrical conductance in micromhos at 25° Celsius.

TDS - Gravimetric determination of total dissolved solids at 180° Celsius.

SUM - Total dissolved solids determined by addition of analyzed constituents.

TH - Total hardness.

NCH - Noncarbonate hardness.

The Mineral Constituents are as follows:

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 5-00.00																		
GOOSE LAKE VALLEY 5-01.00																		
44N/13E-36A01 M		66	---	191			23											42
7-15-69	5050		8.3	190			1.00											
0750	5050						52											
44N/14E-07K01 M		55	8.2	830	86	36	38	1.4	0.0	301	35	42	123		0.1		571	363
7-15-69	5050		7.1	850	4.29	2.96	1.65	0.04		4.94	0.73	1.18	1.98				509	116
0830	5050				48	33	18			56	8	13	22					
45N/13E-12L01 M		65	---	---														
7-15-69	--		7.8	300														
0940	5050																	
45N/14E-32L01 M		62	---	---														
7-15-69	--		7.1	250														
0915	5050																	
47N/13E-07Q01 M		64	8.2	210	20	7.5	13	4.3	0.0	131	8.7	2.0	1.2		0.0		150	81
7-15-69	5050		7.5	210	1.00	0.62	0.57	0.11		2.15	0.18	0.06	0.02				121	0
1215	5050				43	27	25	5		89	7	2	1					
47N/14E-02H01 M		80	---	---														
7-15-69	--		8.4	420														
1430	5050																	
47N/14E-14B02 M		62	7.6	161	18	6.1	5.8	1.9	0.0	96	3.4	1.3	2.3	0.1	0.0		95	70
7-15-69	5050		6.7	165	0.90	0.50	0.25	0.05		1.57	0.07	0.04	0.04				86	0
1500	5050				53	29	15	3		91	4	2	2					
48N/14E-23K01 M		56	---	---														
7-15-69	--		6.9	245														
1330	5050																	
ALTURAS BASIN 5-02.00																		
39N/13E-06N01 M		70	---	212			28											33
7-14-69	5050		7.5	219			1.22											
1500	5050						57											
40N/12E-11F01 M		76	---	---														
7-14-69	--		8.3	160														
1645	5050																	
40N/12E-25J01 M		64	---	---														
7-14-69	--		7.4	510														
1610	5050																	
41N/11E-02J01 M		70	8.1	274	14	4.3	37		0.0	129		8.6						53
7-17-69	5050		7.9	275	0.70	0.36	1.61			2.12		0.24						0
1410	5050				25	13	58			77		8						
41N/13E-18P01 M		59	---	---														
7-14-69	--		7.0	1010														
1420	5050																	
42N/12E-11J01 M		67	7.8	365			17		0.0	197		8.0		0.3				151
7-17-69	5050		7.5	380			0.74			3.23		0.23						0
1530	5050						20			88		6						
42N/13E-31G01 M		66	---	---														
7-14-69	--		7.1	585														
1245	5050																	
42N/13E-32G01 M		57	8.0	342	33	9.8	29	6.3	0.0	218	5.8	3.6	0.6		0.0		224	123
7-14-69	5050		7.4	378	1.65	0.81	1.26	0.16		3.58	0.12	0.10	0.01				195	0
1310	5050				43	21	32	4		94	3	3						
BIG VALLEY 5-04.00																		
37N/07E-02D01 M		61	---	---														
8-05-69	--		7.4	205														
1135	5050																	
37N/07E-13B01 M		61	7.6	340	20	14	27	5.0	0.0	161	7.6	13	25		0.0		241	110
8-06-69	5050		7.1	350	1.00	1.15	1.17	0.13		2.64	0.16	0.37	0.40				190	0
1225	5050				29	33	34	4		74	4	10	11					
38N/07E-02P01 M		67	---	---														
8-05-69	--		7.1	530														
1300	5050																	
38N/07E-23D01 M		61	7.8	261	18	9.2	25	3.2	0.0	157	5.4	7.0	3.6		0.0		200	83
8-05-69	5050		7.0	275	0.90	0.76	1.09	0.08		2.57	0.11	0.20	0.06				148	0
1100	5050				32	27	39	3		87	4	7	2					
38N/07E-28N09 M		58	---	---														
8-05-69	--		7.1	200														
1000	5050																	

TABLE E-1 (Cont.)

MINERAL ANALYSES OF GROUND WATER

State Well Number / Date / Time	Lab / Sampler	Temp.	pH Lab / Field	EC Lab / Field	Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	F	B	SiO_2	TDS SUM	TH NCH
					Mineral Constituents in Milligrams per Liter / Milliequivalents per Liter / Percent Reactance Value									Milligrams per Liter				
BIG VALLEY 5-04.00 (Continued)																		
38N/08E-14N02 M		--	---	----														
8-06-69	--		8.4	1310														
1030	5050																	
38N/08E-30R01 M		57	---	---														
8-06-69	--		7.1	860														
1120	5050																	
39N/07E-13Q01 M		64	---	---														
8-05-69	--		7.0	207														
1355	5050																	
39N/08E-23A01 M		60	---	---														
8-06-69	--		7.1	190														
0830	5050																	
39N/08E-26J02 M		66	---	---														
8-05-69	--		7.1	275														
1615	5050																	
39N/09E-28F20 M		68	7.7	249	16	7.5	25	6.4	0.0	146	4.3	5.3	7.0		0.0		186	71
8-05-69	5050		7.3	260	0.80	0.62	1.09	0.16		2.39	0.09	0.15	0.11				143	0
1450	5050				30	23	41	6		87	3	5	4					
FALL RIVER BASIN 5-05.00																		
37N/05E-09N01 M		58	7.8	808	42	23	126	8.0	0.0	544	0.0	18	6.2		0.2		526	200
8-13-69	5050		7.1	870	2.10	1.89	5.48	0.20		8.92		0.51	0.10				490	0
1035	5050				22	20	57	2		94		5	1					
37N/05E-14R01 M		59	9.5	198	1.4	2.3	42	1.7	21	74	4.6	3.8	0.1		0.0		136	13
8-04-69	5050		8.4	210	0.07	0.19	1.83	0.04	0.70	1.21	0.10	0.11					113	0
1325	5050				3	9	86	2	33	57	5	5						
37N/05E-19P02 M		63	8.1	437	20	18	56	6.7	0.0	268	0.0	4.8	31		0.0		344	125
8-04-69	5050		7.1	525	1.00	1.48	2.44	0.17		4.40		0.14	0.50				268	0
1120	5050				20	29	48	3		87		3	10					
37N/05E-24F01 M		63	---	---														
8-04-69	--		8.2	210														
1500	5050																	
37N/06E-06L01 M		58	8.1	259	19	16	13	2.4	0.0	181	0.3	1.5	1.2		0.0		152	114
8-04-69	5050		7.9	270	0.95	1.32	0.57	0.06		2.97	0.01	0.04	0.02				142	0
1630	5050				33	46	20	2		98		1	1					
37N/06E-19L01 M		68	7.8	208	23	6.9	11	2.7	0.0	114	2.8	2.4	17		0.0		159	86
8-04-69	5050		7.8	215	1.15	0.57	0.48	0.07		1.87	0.06	0.07	0.27				122	0
1545	5050				51	25	21	3		82	3	3	12					
38N/04E-27Q01 M		58	8.0	174	11	7.4	17	3.3	0.0	106	0.8	5.0	0.9		0.0		128	58
8-04-69	5050		8.0	180	0.55	0.61	0.74	0.08		1.74	0.02	0.14	0.01				97	0
1320	5050				28	31	37	4		91	1	7	1					
38N/04E-30H01 M		56	---	---														
8-04-69	--		6.8	248														
1400	5050																	
38N/06E-31D01 M		60	7.9	182	14	8.5	10	2.6	0.0	109	0.3	2.5	1.8		0.0		137	70
8-05-69	5050		8.0	185	0.70	0.70	0.44	0.07		1.79	0.01	0.07	0.03				93	0
0900	5050				37	37	23	4		94	1	4	2					
REDDING BASIN 5-06.00																		
29N/04W-04R03 M		--	7.6	321	21	17	22	0.7	0.0	151	11	8.2	28		0.0		212	121
7-25-69	5050		---	---	1.05	1.40	0.96	0.02		2.48	0.23	0.23	0.45				182	0
0530	5050				31	41	28	1		73	7	7	13					
29N/04W-11G04 M		69	---	---														
7-02-69	--		7.1	200														
1500	5050																	
30N/03W-04M01 M		71	---	---														
7-02-69	--		7.0	190														
1000	5050																	
30N/03W-34D01 M		64	---	310			11					4.7	26					138
7-03-69	5050		6.5	305			0.48					0.13	0.42					
0915	5050						15					4	13					
30N/04W-01E01 M		69	7.8	154	8.7	8.4	9.2	0.8	0.0	68	8.7	7.2	7.7		0.0		111	56
7-02-69	5050		7.1	153	0.43	0.69	0.40	0.02		1.12	0.18	0.20	0.12				84	0
1130	5050				28	45	26	1		69	11	12	7					
30N/04W-15M03 M		66	8.0	267	18	16	12	1.9	0.0	138	13	8.2	5.2		0.0		184	113
7-02-69	5050		7.0	270	0.90	1.32	0.52	0.05		2.26	0.27	0.23	0.08				142	0
0830	5050				32	47	19	2		80	10	8	3					

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)																		
31N/04W-16Q01 M		67	---	---														
7-03-69	--		7.3	165														
1245	5050																	
31N/05W-25K01 M		70	7.6	256	8.6	4.0	40	0.8	0.0	110	3.0	28	0.1	0.0	0.0		166	38
7-02-69	5050		7.3	260	0.43	0.33	1.74	0.02		1.80	0.06	0.79					138	0
0930	5050				17	13	69	1		68	2	30						
32N/03W-20P01 M		69	---	---														
7-02-69	--		6.1	167														
1215	5050																	
32N/03W-32J02 M		69	7.9	344			30		0.0	158		23	7.8					113
7-02-69	5050		7.1	405			1.31			2.59		0.65	0.13					0
1300	5050						38			75		18	3					
32N/03W-35C01 M		72	7.8	211	13	10	16	2.5	0.0	124	5.1	5.4	0.9		0.0		150	74
7-02-69	5050		6.8	220	0.65	0.82	0.70	0.06		2.03	0.11	0.15	0.01				114	0
1330	5050				29	37	31	3		88	5	7						
32N/04W-14F02 M		74	7.9	238	5.5	2.6	43	1.6	0.0	93	22	14	5.0		2.9		166	24
7-02-69	5050		7.1	300	0.27	0.21	1.87	0.04		1.53	0.46	0.39	0.08				142	0
1130	5050				11	9	78	2		62	19	16	3					
32N/04W-20H01 M		74	---	---														
7-02-69	--		7.3	490														
1030	5050																	
UPPER LAKE VALLEY 5-13.00																		
15N/09W-06F01 M		61	---	---														
9-16-69	--		6.4	202														
1725	5050																	
15N/09W-07B01 M		67	8.0	228	15	14	14	0.9	0.0	144	2.0	2.8	0.1		0.3		132	96
9-16-69	5050		6.5	265	0.75	1.15	0.61	0.02		2.36	0.04	0.08					120	0
1535	5050				30	45	24	1		95	2	3						
15N/09W-17P01 M		63	---	---														
9-17-69	--		7.1	400														
0925	5050																	
15N/09W-31P01 M		71	---	---														
9-16-69	--		6.5	195														
1435	5050																	
15N/10W-03C01 M		75	---	---														
9-16-69	--		6.9	415														
1600	5050																	
15N/10W-13A01 M		67	---	---														
9-16-69	--		6.9	240														
1510	5050																	
15N/10W-13A02 M		62	---	---														
9-17-69	--		7.1	198														
0910	5050																	
16N/09W-31L03 M		74	---	---														
9-16-69	--		6.5	210														
1800	5050																	
SCOTT VALLEY 5-14.00																		
14N/10W-03F01 M		63	---	361			18											157
9-16-69	5050		7.1	400			0.78											
1245	5050						21											
14N/10W-14E03 M		60	---	---														
9-16-69	--		6.6	225														
1405	5050																	
KELSEYVILLE VALLEY 5-15.00																		
13N/09W-02K02 M		61	7.4	832	44	87	17	2.1	0.0	479	49	31	19		0.2		459	468
9-16-69	5050		6.5	890	2.20	7.15	0.74	0.05		7.86	1.02	0.87	0.31				484	75
0930	5050				22	71	7			78	10	9	3					
13N/09W-08B01 M		62	7.6	382	32	27	12	1.3	0.0	247	12	4.2	0.2		0.2		191	192
9-16-69	5050		6.5	390	1.60	2.22	0.52	0.03		4.05	0.25	0.12					210	0
1045	5050				37	51	12	1		92	6	3						
13N/09W-08N02 M		67	7.0	276	24	15	13	0.9	0.0	148	10	8.6	2.3		0.1		146	121
9-16-69	5050		6.3	282	1.20	1.23	0.57	0.02		2.43	0.21	0.24	0.04				146	0
1020	5050				40	41	19	1		83	7	8	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
KELSEYVILLE VALLEY 5-15.00 (Continued)																		
13N/09W-12M01 M		65	---	---														
9-16-69	--		7.3	465														
1045	5050																	
13N/09W-22J01 M		61	---	---														
9-15-69	--		6.9	510														
1805	5050																	
14N/09W-32J01 M		61	---	---														
9-16-69	--		6.4	810														
0845	5050																	
14N/09W-32J03 M		62	6.9	554	41	45	15	1.4	0.0	334	24	14	3.5		0.1		302	289
9-16-69	5050		6.3	620	2.05	3.70	0.65	0.04		5.48	0.50	0.39	0.06				308	15
0805	5050				32	57	10	1		85	8	6	1					
HIGH VALLEY 5-16.00																		
14N/08W-23K01 M		73	---	---														
9-15-69	--		6.5	295														
1130	5050																	
14N/08W-24B02 M		68	6.7	898	44	65	71	3.9	0.0	607	3.8	23	3.0		3.6		478	378
9-15-69	5050		6.0	1095	2.20	5.34	3.09	0.10		9.95	0.08	0.65	0.05				515	0
1000	5050				21	50	29	1		93	1	6						
BURNS VALLEY 5-17.00																		
13N/07W-15N01 M		79	---	---														
9-15-69	--		6.8	238														
1325	5050																	
13N/07W-21J02 M		69	---	---														
9-15-69	--		7.0	615														
1500	5050																	
13N/07W-22B03 M		72	---	---														
9-15-69	--		6.5	450														
1350	5050																	
LOWER LAKE AREA 5-30.00																		
12N/07W-01M02 M		65	---	---														
9-15-69	--		6.9	380														
1440	5050																	
12N/07W-13N01 M		64	---	---														
9-15-69	--		6.4	620														
1705	5050																	
12N/07W-14C02 M		68	8.3	723					0.0	219		21	39					187
9-15-69	5050		6.3	745						3.59		0.59	0.63					8
1530	5050									49		8	8					
12N/07W-14F01 M		66	---	---														
9-15-69	--		7.1	4000														
1610	5050																	
COYOTE VALLEY 5-18.00																		
11N/06W-19P02 M		--	8.6	460	9.7	58	4.2	0.2	5	297	2.6	4.9	3.0		0.2		260	265
7-09-69	5050		7.3	475	0.48	4.81	0.18	0.00	0.17	4.87	0.05	0.14	0.05					13
1730	5050				9	88	3	0	3	92	1	3	1					
11N/07W-13M01 M		78	8.6	483	33	44	10	1.1	6	307	15	4.7	0.2		0.1		275	264
7-09-69	5050		7.4	500	1.65	3.62	0.44	0.03	0.20	5.03	0.31	0.13	0.00					2
1700	5050				29	63	8	0	4	89	5	2	0					
COLLAYOMI VALLEY 5-19.00																		
10N/07W-03L04 M		--	8.2	285	9.5	28	5.2	1.1	0.0	145	27	3.4	0.0		0.1		173	138
7-10-69	5050		6.8	280	0.47	2.29	0.23	0.03		2.38	0.56	0.10						19
0900	5050				16	76	8	0		78	19	3						
11N/07W-33J02 M		--	8.0	180	9.8	15	3.5	0.0	0.0	107	4.9	2.4	0.1		0.0		104	88
7-10-69	5050		6.8	180	0.49	1.27	0.15			1.75	0.10	0.07	0.00					0
0800	5050				26	66	8			91	5	4	0					

TABLE E-1 (Cont.)

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 NCH
SACRAMENTO VALLEY 5-21.00																	
TEHAMA COUNTY 5-21.01																	
23N/02W-05A01 M	69	---	---														
8-22-69 --		7.8	232														
1230 5050																	
23N/03W-22Q01 M	73	---	---														
8-22-69 --		7.1	320														
1315 5050																	
24N/01W-36A02 M	72	---	---														
8-21-69 --		7.1	240														
1240 5050																	
24N/02W-30C01 M	70	8.0	433	30	25	28	1.2	0.0	250	10	14	8.0		0.0		241	178
8-22-69 5050		7.4	457	1.50	2.06	1.22	0.03		4.10	0.21	0.39	0.13				239	0
1210 5050				31	43	25	1		85	4	8	3					
24N/03W-03P01 M	67	---	---														
8-22-69 --		7.0	325														
0945 5050																	
24N/03W-14M01 M	72	---	---														
8-22-69 --		7.1	250														
0915 5050																	
24N/03W-20N01 M	70	---	---														
8-22-69 --		7.0	182														
1115 5050																	
25N/02W-16F01 M	74	---	---														
8-21-69 --		7.3	285														
1120 5050																	
25N/02W-16P01 M	68	7.6	443	34	25	20	2.7	0.0	204	33	17	15		0.4		303	189
8-21-69 5050		6.5	455	1.70	2.06	0.87	0.07		3.35	0.69	0.48	0.24				247	22
1140 5050				36	44	19	1		70	14	10	5					
25N/03W-31R01 M	72	7.7	585	60	31	14	0.4	0.0	251	66	14	26		0.1		347	277
8-22-69 5050		7.0	645	2.99	2.55	0.61	0.01		4.12	1.37	0.39	0.42				334	71
1025 5050				49	41	10			65	22	6	7					
25N/04W-02H01 M	71	7.5	288	13	19	17	0.5	0.0	125	6.4	14	20		0.1		172	110
8-20-69 5050		7.0	300	0.65	1.56	0.74	0.01		2.05	0.13	0.39	0.32				151	8
1300 5050				22	53	25			71	4	13	11					
26N/02W-09E01 M	64	7.7	649	52	48	19	1.2	0.0	292	78	30	5.7		0.3		409	328
8-15-69 5050		---	7.0	2.59	3.95	0.83	0.03		4.79	1.62	0.85	0.09				377	89
1400 5050				35	53	11			65	22	12	1					
26N/03W-03N01 M	79	7.9	368			15		0.0	179		9.1						150
8-20-69 5050		7.5	343			0.65			2.94		0.26						3
1410 5050						17			79		7						
26N/03W-36E02 M	67	7.8	573	40	38	20	1.5	0.0	234	24	54	14		0.0		327	256
8-22-69 5050		7.4	540	2.00	3.12	0.87	0.04		3.84	0.50	1.52	0.23				306	64
0830 5050				33	52	14	1		63	8	25	4					
26N/03W-36K01 M	69	7.7	383	27	24	19	0.4	0.0	207	9.7	18	3.7		0.1		190	165
8-21-69 5050		7.5	385	1.35	1.97	0.83	0.01		3.39	0.20	0.51	0.06				203	0
1030 5050				32	47	20			81	5	12	1					
26N/04W-10D01 M	70	---	---														
8-21-69 --		7.5	375														
0930 5050																	
26N/12W-28P01 M	--	---	---														
9-18-69 --		7.1	300														
-- 5050																	
27N/02W-30C02 M	65	---	---														
8-20-69 --		6.5	330														
1315 5050																	
27N/03W-10Q01 M	74	---	---														
8-20-69 --		7.9	282														
1115 5050																	
27N/03W-15C01 M	69	7.7	345	33	17	14	1.6	0.0	180	13	11	13		0.1		206	154
8-20-69 5050		7.1	358	1.65	1.40	0.61	0.04		2.95	0.27	0.31	0.21				191	7
1140 5050				45	38	16	1		79	7	8	6					
27N/03W-19A01 M	68	---	---														
8-20-69 --		7.4	235														
1055 5050																	
27N/04W-01H02 M	72	---	---														
8-20-69 --		7.7	233														
1020 5050																	

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
TEHAMA COUNTY 5-21.01 (Continued)																		
27N/04W-03J01 M		--	7.6	208	17	11	10	0.5	0.0	119	4.4	3.1	4.6		0.0		134	89
8-20-69	5050		---	---	0.85	0.90	0.44	0.01		1.95	0.09	0.09	0.07				109	0
1100	5050				39	41	20			89	4	4	3					
27N/04W-34P01 M		--	8.1	319	18	9.1	41	1.0	0.0	200	2.0	4.6	1.2	0.3		23	225	82
8-12-69	5000		---	---	0.90	0.75	1.78	0.03		3.28	0.04	0.13	0.02				198	0
1310	5000				26	22	51	1		95	1	4	1					
GLENN COUNTY 5-21.02																		
18N/02W-01E01 M		65	---	738			60					11						280
6-10-69	5050		7.9	750			2.61					0.31						
1130	5050						35					4						
18N/02W-07F01 M		66	8.1	917			86		0.0	450		17						356
6-10-69	5050		7.7	855			3.74			7.38		0.48						0
1000	5050						40			80		5						
18N/03W-10K01 M		70	---	---														
6-10-69	--		8.0	550														
1027	5050																	
18N/04W-02F01 M		71	8.3	1240	78	54	109	1.1	0.0	393	33	132	126		0.2		724	415
7-01-69	5050		7.3	1300	3.89	4.44	4.74	0.03		6.45	0.69	3.72	2.03				726	93
1130	5050				30	34	36			50	5	29	16					
18N/04W-11B03 M		70	8.0	803			56		0.0	284		45	37					304
7-01-69	5050		7.5	840			2.44			4.66		1.27	0.06					71
1240	5050						30			58		15						
19N/02W-23N01 M		64	---	---														
6-10-69	--		7.4	770														
1220	5050																	
19N/03W-09J01 M		67	8.3	499			47		0.0	275		9.0						177
6-10-69	5050		7.8	490			2.04			4.51		0.25						0
0810	5050						40			90		5						
19N/03W-18P01 M		63	---	---														
6-10-69	--		7.9	565														
0914	5050																	
19N/04W-35C01 M		85	8.2	663			59		0.0	321		30	12					236
7-01-69	5050		7.6	660			2.57			5.26		0.85	0.19					0
1215	5050						38			79		12	2					
20N/02W-13Q01 M		65	8.3	459	40	31	17	0.7	0.0	288	13	8.5	1.0		0.1		246	227
6-10-69	5050		7.9	455	2.00	2.55	0.74	0.02		4.72	0.27	0.24	0.02				252	0
1245	5050				38	48	14			90	5	5						
21N/02W-15C01 M		68	---	---														
6-09-69	--		7.4	690														
1605	5050																	
21N/03W-20D02 M		72	---	---														
6-10-69	--		7.9	343														
0744	5050																	
22N/01W-29C01 M		70	8.3	498			22		0.0	233		25	12					221
6-09-69	5050		7.9	490			0.96			3.82		0.71	0.19					30
1520	5050						19			76		14	3					
22N/02W-03A01 M		65	---	590			29					39	45					242
6-09-69	5050		6.9	570			1.26					1.10	0.72					
1450	5050						21					18	12					
22N/02W-26B01 M		66	---	---														
6-09-69	--		7.3	430														
1533	5050																	
22N/03W-17K01 M		80	---	---														
6-09-69	--		7.7	530														
1422	5050																	
22N/03W-22Q01 M		66	8.3	464			18		0.0	236		21						216
6-09-69	5050		7.4	465			0.78			3.87		0.59						23
1355	5050						16			83		12						
22N/03W-25B01 M		62	8.1	459	49	20	19	0.9	0.0	220	23	23	14		0.2		248	205
6-08-69	5050		7.3	455	2.45	1.64	0.83	0.02		3.61	0.48	0.65	0.23				257	25
1335	5050				50	33	17			73	10	13	5					

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																		
17N/01E-01R01 M		66	8.2	512					0.0	298								216
8-26-69	5050		7.5	535						4.89								0
1230	5050									95								
17N/03E-18Q01 M		72	---	---														
8-26-69	--		7.1	655														
1200	5050																	
17N/04E-20P01 M		66	7.6	574	39	16	56	2.2	0.0	146	22	98	0.7		0.6		342	163
8-26-69	5050		7.1	600	1.95	1.32	2.44	0.06		2.39	0.46	2.76	0.01				306	44
1020	5050				34	23	42	1		43	8	49						
18N/02E-12G01 M		71	7.4	259	20	17	11	0.0	0.0	167	2.3	2.5	1.0		0.0		132	120
8-26-69	5050		7.0	265	1.00	1.40	0.48			2.74	0.05	0.07	0.02				136	0
1310	5050				35	49	17			95	2	2	1					
18N/03E-33N01 M		70	7.9	249	17	13	12	2.7	0.0	155	3.8	4.1	0.1		0.0		156	96
8-26-69	5050		7.7	265	0.85	1.07	0.52	0.07		2.54	0.08	0.12					129	0
1055	5050				34	43	21	3		93	3	4						
18N/04E-07A01 M		66	---	---														
8-26-69	--		7.1	165														
0915	5050																	
18N/04E-21P01 M		66	7.6	270	24	15	10	0.3	0.0	146	8.2	0.4	9.4		0.1		145	121
8-26-69	5050		7.1	282	1.20	1.23	0.44	0.01		2.39	0.17	0.01	0.15				139	2
0935	5050				42	43	15			88	6		6					
18N/04E-28M01 M		71	---	---														
8-26-69	--		8.2	2700														
0945	5050																	
19N/02E-16R01 M		69	7.8	226	18	12	12	0.5	0.0	111	3.3	12	5.2		0.0		185	95
8-26-69	5050		7.3	240	0.90	0.99	0.52	0.01		1.82	0.07	0.34	0.08				117	4
1345	5050				37	41	21			79	3	15	3					
19N/04E-06P01 M		72	---	---														
8-25-69	--		6.9	275														
1425	5050																	
19N/04E-07P01 M		64	7.5	537	41	19	41	3.0	0.3	185	48	43	8.0	1.2		38	335	180
9-22-69	5701		---	---	2.05	1.56	1.78	0.08	0.01	3.03	1.00	1.21	0.13				333	28
--	5701				37	29	33	1		56	19	22	2					
19N/04E-20C01 M		70	7.1	394	36	18	23	0.8	0.0	203	13	14	16	0.4		53	276	162
9-22-69	5701		---	---	1.80	1.48	1.00	0.02		3.33	0.27	0.39	0.26				274	0
--	5701				42	34	23			78	6	9	6					
20N/02E-29R03 M		82	7.7	721	69	30	43	1.9	0.0	316	23	70	6.2		0.0		454	297
8-26-69	5050		7.3	760	3.44	2.47	1.87	0.05		5.18	0.48	1.97	0.10				398	38
1400	5050				44	32	24	1		67	6	25	1					
21N/01W-35C01 M		64	7.7	442	41	26	20	1.7	0.0	279	6.7	7.5	4.4		0.0		246	211
8-25-69	5050		7.1	480	2.05	2.14	0.87	0.04		4.58	0.14	0.21	0.07				244	0
1150	5050				40	42	17	1		92	3	4	1					
21N/02E-30F01 M		64	7.9	332			12		0.0	159		5.3	24					154
8-25-69	5050		6.9	355			0.52			2.61		0.15	0.39					24
1300	5050						15			78		4	11					
21N/03E-10Q01 M		67	---	---														
8-25-69	--		6.9	265														
1350	5050																	
22N/01E-14G01 M		70	7.7	224	24	9.0	14	2.1	0.3	134	2.0	6.0	6.0	0.1		62	193	100
9-08-69	5701		---	---	1.20	0.74	0.61	0.05	0.01	2.20	0.04	0.17	0.10				191	0
--	5701				46	28	23	2		87	2	7	4					
22N/01E-15B01 M		65	7.7	287	29	14	13	1.6	0.6	155	3.0	8.0	11	0.1		58	216	130
7-23-69	5701		---	---	1.45	1.15	0.57	0.04	0.02	2.54	0.06	0.23	0.18				214	2
--	5701				45	36	18	1	1	84	2	8	6					
22N/01E-16H01 M		68	7.7	246	20	14	9.0	1.7	0.3	134	4.0	7.0	7.0	0.1		58	188	106
6-19-69	5701		---	---	1.00	1.15	0.39	0.04	0.01	2.20	0.08	0.20	0.11				187	0
--	5701				39	45	15	2		85	3	8	4					
22N/01E-22F01 M		62	7.8	246	24	11	12	1.3	0.6	128	4.0	10	8.0	0.1		49	184	106
7-23-69	5701		---	---	1.20	0.90	0.52	0.03	0.02	2.10	0.08	0.28	0.13				183	0
--	5701				45	34	20	1	1	80	3	11	5					
22N/01E-22Q01 M		66	8.1	223	28	6.0	11	1.6	0.9	131	3.0	6.0	2.0	0.1		57	181	94
7-22-69	5701		---	---	1.40	0.49	0.48	0.04	0.03	2.15	0.06	0.17	0.03				180	0
--	5701				58	20	20	2	1	88	2	7	1					
22N/01E-23C01 M		66	7.5	211	19	10	9.0	1.2	0.3	112	4.0	8.0	6.0	0.1		55	169	90
6-19-69	5701		---	---	0.95	0.82	0.39	0.03	0.01	1.84	0.08	0.23	0.10				167	0
--	5701				43	37	18	1		81	4	10	4					
22N/01E-23P01 M		64	7.5	326	35	10	15	1.6	0.3	155	6.0	13	14	0.1		43	216	130
7-23-69	5701		---	---	1.75	0.82	0.65	0.04	0.01	2.54	0.12	0.37	0.23				214	3
--	5701				54	25	20	1		78	4	11	7					

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)																		
22N/01E-25M01 M		60	7.5	265	22	11	11	2.2	0.3	127	5.0	6.0	8.0	0.1		49	178	100
1-30-69	5701		---	---	1.10	0.90	0.48	0.06	0.01	2.08	0.10	0.17	0.13				177	0
--	5701				43	35	19	2		84	4	7	5					
22N/01E-26L01 M		62	8.1	220	18	11	12	1.6	0.9	117	4.0	10	1.0	0.1		48	165	88
3-27-69	5701		---	---	0.90	0.90	0.52	0.04	0.03	1.92	0.08	0.28	0.02				164	0
--	5701				38	38	22	2	1	82	3	12	1					
22N/01E-27G02 M		62	7.7	450	43	22	20	1.6	0.9	246	12	14	8.0	0.1		48	304	200
3-27-69	5701		---	---	2.15	1.85	0.87	0.04	0.03	4.03	0.25	0.39	0.13				300	0
--	5701				44	37	18	1	1	83	5	8	3					
22N/01E-35A01 M		66	7.2	289	26	16	8.0	1.6	0.0	155	6.0	9.0	8.0	0.1		50	202	130
6-19-69	5701		---	---	1.30	1.32	0.35	0.04		2.54	0.12	0.25	0.13				201	3
--	5701				43	44	12	1		84	4	8	4					
22N/01E-35E01 M		60	7.6	287	30	14	13	1.4	0.6	155	5.0	13	8.0	0.1		49	212	130
7-23-69	5701		---	---	1.50	1.15	0.57	0.04	0.02	2.54	0.10	0.37	0.13				210	2
--	5701				46	35	17	1	1	80	3	12	4					
22N/01E-36C01 M		68	8.1	234	22	7.0	19	2.6	0.9	132	4.0	8.0	4.0	0.1		56	190	84
6-19-69	5701		---	---	1.10	0.58	0.83	0.07	0.03	2.16	0.08	0.23	0.06				188	0
--	5701				43	22	32	3	1	84	3	9	2					
22N/01W-19J01 M		65	7.6	403	38	19	19	0.8	0.6	188	21	22	7.0	0.1		22	225	170
1-30-69	5701		---	---	1.90	1.56	0.83	0.02	0.02	3.08	0.44	0.62	0.11				242	15
--	5701				44	36	19			72	10	15	3					
22N/02E-17E01 M		65	---	---														
8-25-69	--		7.0	230														
1110	5050																	
23N/01W-09L01 M		68	7.9	518	46	34	12	1.4	0.0	213	45	15	50		0.0		331	256
8-25-69	5050		7.0	560	2.30	2.79	0.52	0.04		3.49	0.94	0.42	0.81				308	82
1010	5050				41	49	9	1		62	17	7	14					
COLUSA COUNTY 5-21.04																		
13N/01E-22J01 M		64	7.4	270	25	13	14	3.3	0.0	167	3.3	2.8	0.7		0.1		161	115
9-17-69	5050		7.2	295	1.25	1.07	0.61	0.08		2.74	0.07	0.08	0.01				144	0
0820	5050				42	36	20	3		94	2	3						
13N/01W-07A01 M		74	---	1340			68						20					454
9-17-69	5050		7.6	1380			2.96						0.32					
0840	5050						22						2					
13N/02W-26A01 M		68	---	---														
9-17-69	--		7.8	720														
1000	5050																	
14N/01W-02D01 M		65	---	---														
9-18-69	--		7.6	1395														
0835	5050																	
14N/01W-12A01 M		67	8.1	606	14	6.5	116	1.1	0.0	289	4.6	55	0.9		0.5		365	62
9-18-69	5050		8.2	620	0.70	0.53	5.05	0.03		4.74	0.10	1.55	0.01				340	0
0900	5050				11	8	80			74	2	24						
14N/01W-31Q01 M		66	8.1	552	45	16	44	0.7	0.0	169	7.1	81	13		0.4		319	179
9-17-69	5050		7.7	575	2.25	1.32	1.91	0.02		2.77	0.15	2.28	0.21				290	41
0820	5050				41	24	35			51	3	42	4					
14N/02W-12H02 M		65	7.9	590	33	32	50	1.7	0.0	294	21	41	1.4		0.1		338	216
9-17-69	5050		7.8	620	1.65	2.63	2.18	0.04		4.82	0.44	1.16	0.02				324	0
1230	5050				25	40	34	1		75	7	18						
14N/02W-29J01 M		68	---	---														
9-17-69	--		7.1	325														
1150	5050																	
14N/02W-35P01 M		69	---	---														
9-17-69	--		7.9	570														
0800	5050																	
14N/03W-12L01 M		66	8.2	534			29		0.0	200		34						204
9-17-69	5050		7.4	560			1.26			3.28		0.96						40
1335	5050						23			61		17						
14N/03W-14Q02 M		71	7.8	904	42	52	77	1.2	0.0	277	117	92	3.0		0.2		529	316
9-17-69	5050		7.6	945	2.10	4.27	3.35	0.03		4.54	2.43	2.59	0.05				520	89
1300	5050				22	44	34			47	25	27	1					
15N/02W-32R01 M		68	7.9	638	49	23	61	0.7	0.0	310	39	30	14		0.2		349	219
9-17-69	5050		7.9	670	2.45	1.89	2.65	0.02		5.08	0.81	0.85	0.23				369	0
1305	5050				35	27	38			73	12	12	3					
16N/01W-29J01 M		70	---	---														
9-18-69	--		7.8	430														
0925	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
COLUSA COUNTY 5-21.04 (Continued)																		
16N/02W-04H01 M		69	7.9	567	35	27	49	1.7	0.0	226	60	36	4.2		0.1		326	198
9-18-69	5050		7.8	580	1.75	2.22	2.13	0.04		3.71	1.25	1.02	0.07				324	13
1030	5050				29	36	35	1		61	21	17	1					
16N/02W-25B02 M		67	---	---														
9-17-69	--		7.5	1300														
1440	5050																	
16N/02W-25B03 M		70	---	---														
9-17-69	--		7.4	1400														
1450	5050																	
17N/03W-33R01 M		72	8.1	1000	29	26	151	3.0	0.0	275	97	127	0.0		0.2		576	180
9-18-69	5050		7.8	1025	1.45	2.14	6.57	0.08		4.51	2.02	3.58					568	0
1045	5050				14	21	64	1		45	20	35						
17N/03W-33R02 M		69	7.8	927	46	30	121	1.5	0.0	333	101	81	2.8		0.3		544	239
9-18-69	5050		7.4	970	2.30	2.47	5.26	0.04		5.46	2.10	2.28	0.05				547	0
1050	5050				23	25	52			55	21	23	1					
SUTTER COUNTY 5-21.05																		
11N/03E-24D01 M		--	8.1	616	49	31	53	2.4	0.0	415	11	7.8	0.4		0.1		340	251
7-22-69	5050		7.7	570	2.45	2.57	2.30	0.06		6.80	0.23	0.22	0.01					00
0810	5050				33	35	31	1		94	3	3	0					
11N/04E-04R02 M		64	---	---														
6-12-69	--		7.7	605														
0825	5050																	
11N/04E-35J01 M		68	---	---														
6-12-69	--		8.0	285														
0735	5050																	
12N/04E-25N01 M		--	8.1	320	28	17	16	1.2	0.0	190	10	9.5	4.3		0.0		203	141
6-12-69	5050		7.5	310	1.40	1.42	0.70	0.03		3.11	0.21	0.27	0.07					0
0900	5050				39	40	20	1		85	6	7	2					
13N/02E-23B02 M		67	7.6	6070	349	294	480	6.0	0.0	216	0.0	2120	1.0		0.4		5970	2080
7-17-69	5050		7.7	7000	17.42	24.14	20.88	0.15		3.54		59.80	0.02					1900
0930	5050				28	39	33	0		6		94	0					
13N/03E-10M02 M		64	8.2	844	64	44	51	2.0	0.0	382	34	68	5.9		0.0		500	341
7-18-69	5050		7.3	850	3.19	3.62	2.22	0.05		6.26	0.71	1.92	0.10					0
1400	5050				35	40	24	1		70	8	21	1					
13N/04E-33J01 M		68	8.1	518	40	34	22	0.7	0.0	274	5.8	34	7.8		0.0		310	240
6-12-69	5050		7.3	510	2.00	2.80	0.96	0.02		4.49	0.12	0.96	0.12					0
0940	5050				35	48	17	0		79	2	17	2					
14N/01E-24N01 M		--	8.0	346	20	24	32	0.7	0.0	232	10	7.0	0.6		0.1		216	149
7-17-69	5050		7.7	365	1.00	1.98	1.39	0.02		3.80	0.21	0.20	0.01					0
1315	5050				23	45	32	0		90	5	5	0					
14N/02E-13L01 M		--	8.2	356	24	22	23	1.5	0.0	238	3.0	3.1	0.6		0.0		205	150
7-18-69	5050		7.8	360	1.20	1.80	1.00	0.04		3.90	0.06	0.09	0.01					0
1230	5050				30	44	25	1		96	2	2	0					
14N/03E-06A02 M		--	8.2	641	50	40	40	2.4	0.0	399	28	7.0	5.0		0.0		363	288
7-22-69	5050		7.7	645	2.50	3.25	1.74	0.06		6.54	0.58	0.20	0.08					0
0945	5050				33	43	23	1		88	8	3	1					
15N/01E-35H01 M		--	8.1	530	44	36	24	2.7	0.0	343	9.4	10	2.0		0.0		225	260
7-18-69	5050		7.5	520	2.20	2.99	1.04	0.07		5.62	0.20	0.28	0.03					0
0925	5050				35	47	17	1		92	3	5	0					
15N/02E-01R01 M		74	8.3	491	42	31	16	16	0.0	286	22	5.9	15		0.0		310	231
6-16-69	5050		7.1	465	2.10	2.52	0.70	0.41		4.69	0.46	0.17	0.24					0
1430	5050				37	44	12	7		85	8	3	4					
15N/02E-22D01 M		--	8.0	261	21	12	19	1.9	0.0	155	4.8	7.0	6.2		0.0		184	100
7-18-69	5050		7.5	265	1.05	0.95	0.83	0.05		2.54	0.10	0.20	0.10					0
0835	5050				36	33	29	2		86	3	7	4					
15N/03E-15H04 M		--	7.9	791	70	48	19	3.3	0.0	406	9.5	47	4.9		0.0		483	373
7-22-69	5050		7.3	760	3.49	3.96	0.83	0.08		6.65	0.20	1.32	0.08					0
1030	5050				42	47	10	1		81	2	16	1					
16N/02E-02R01 M		--	8.1	377	28	26	14	1.9	0.0	222	6.7	4.5	7.9		0.0		236	177
6-16-69	5050		7.5	380	1.40	2.14	0.61	0.05		3.64	0.14	0.13	0.13					0
1250	5050				33	51	15	1		90	4	3	3					
16N/03E-04E01 M		--	7.8	282	19	18	14	0.4	0.0	149	13	2.7	22		0.0		206	120
6-16-69	5050		7.3	280	0.95	1.45	0.61	0.01		2.44	0.27	0.08	0.35					0
1330	5050				32	48	20	0		78	9	2	11					
17N/01E-25D01 M		--	8.3	727	65	31	34	3.8	0.0	183	14	102	74		0.0		592	289
6-16-69	5050		7.1	740	3.24	2.53	1.48	0.10		3.00	0.29	2.88	1.19					139
1215	5050				44	35	20	1		41	4	39	16					

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																		
13N/04E-02A02 M		68	7.8	277	19	14	18	0.4	0.0	133	12	18	2.7		0.0		204	106
6-12-69	5050		7.3	275	0.95	1.17	0.78	0.01		2.18	0.25	0.51	0.04					0
1150	5050				33	40	27	0		73	9	17	1					
14N/03E-25C03 M		64	8.3	265	21	13	15	2.1	0.0	159	2.5	10	0.4		0.0		149	106
6-12-69	5050		8.1	270	1.05	1.07	0.65	0.05		2.61	0.05	0.28	0.01					0
1500	5050				37	38	23	2		88	2	10	0					
14N/04E-14J02 M		--	8.3	201	14	8.8	15	0.5	0.0	106	3.1	9.0	5.8		0.0		180	71
6-12-69	5050		7.3	205	0.70	0.72	0.65	0.01		1.74	0.06	0.25	0.09					0
1215	5050				34	35	31	0		81	3	12	4					
14N/05E-32R03 M		--	7.7	314	22	17	15	0.9	0.0	136	8.1	18	8.6		0.0		221	125
6-12-69	5050		7.1	300	1.10	1.40	0.65	0.02		2.23	0.17	0.51	0.14					13
1030	5050				35	44	20	1		73	6	17	4					
15N/03E-13F01 M		68	8.1	330	35	12	18	3.4	0.0	169	20	12	0.2		0.0		214	138
6-12-69	5050		7.5	340	1.75	1.01	0.78	0.09		2.77	0.42	0.34	0.00					0
1430	5050				48	28	22	2		78	12	10	0					
15N/04E-31A01 M		68	7.9	250	23	13	12	1.1	0.0	160	0.8	9.0	0.2		0.0		152	111
6-12-69	5050		7.5	250	1.15	1.07	0.52	0.03		2.62	0.02	0.25	0.00					0
1250	5050				41	39	19	1		91	1	8	0					
15N/05E-19N01 M		--	7.8	246	16	8.0	20	2.2	0.0	97	0.8	30	1.5		0.0		183	73
6-12-69	5050		7.3	255	0.80	0.66	0.87	0.06		1.59	0.02	0.85	0.02					0
1315	5050				33	28	36	3		64	1	34	1					
16N/03E-36E02 M		--	8.3	502	48	34	16	1.8	0.0	304	20	9.1	14		0.0		310	262
6-16-69	5050		7.3	510	2.40	2.83	0.70	0.05		4.98	0.42	0.26	0.22					26
0900	5050				40	47	12	1		85	7	4	4					
16N/04E-09D01 M		--	7.8	298	22	15	14	1.1	0.0	113	9.5	26	15		0.0		228	118
6-16-69	5050		7.1	290	1.10	1.26	0.61	0.03		1.85	0.20	0.73	0.24					25
0930	5050				37	42	20	1		61	7	24	8					
16N/04E-34E01 M		--	8.1	237	24	11	9.4	0.9	0.0	117	27	2.0	4.2		0.0		158	106
6-16-69	5050		7.3	240	1.20	0.92	0.41	0.02		1.92	0.56	0.06	0.07					10
0820	5050				47	36	16	1		74	21	2	3					
PLACER COUNTY 5-21.07																		
10N/05E-06M02 M		67	7.9	297	22	8.8	30	1.5	0.0	143	12	20	9.5		0.0		196	91
7-23-69	5050		7.9	305	1.10	0.72	1.30	0.04		2.34	0.25	0.56	0.15					0
0850	5050				35	23	41	1		71	8	17	4					
10N/06E-05K01 M		68	7.6	171	11	7.4	14	0.8	0.0	79	2.0	9.8	5.5		0.0		135	58
7-23-69	5050		7.1	190	0.55	0.61	0.61	0.02		1.29	0.04	0.28	0.09					0
0800	5050				31	34	34	1		76	2	17	5					
11N/05E-17E01 M		70	7.9	241	15	9.1	22	0.7	0.0	124	1.5	14	8.2		0.0		180	75
7-23-69	5050		7.9	245	0.75	0.75	0.96	0.02		2.03	0.03	0.39	0.13					0
0950	5050				30	30	39	1		79	1	15	5					
11N/06E-16M01 M		70	7.5	330	13	5.5	43	1.8	0.0	90	6.9	38	16		0.5		251	55
7-23-69	5050		7.1	340	0.65	0.45	1.87	0.05		1.48	0.14	1.07	0.26					0
1300	5050				21	15	62	2		50	5	36	9					
12N/05E-17H01 M		--	7.6	193	10	8.0	17	0.7	0.0	109	0.6	6.4	3.9		0.0		167	58
7-22-69	5050		7.4	200	0.50	0.66	0.74	0.02		1.79	0.01	0.18	0.06					0
1400	5050				26	34	39	1		88	0	9	3					
12N/06E-16D02 M		67	8.1	803	27	18	119	2.0	0.0	189	74	110	23		1.2		531	142
7-23-69	5050		7.3	800	1.35	1.49	5.18	0.05		3.10	1.54	3.10	0.37					0
1200	5050				17	18	64	1		38	19	38	5					
13N/05E-13D01 M		--	7.4	457	19	8.4	59	2.0	0.0	90	42	64	6.8		0.4		323	82
7-22-69	5050		7.1	460	0.95	0.69	2.57	0.05		1.48	0.87	1.80	0.11					8
1215	5050				22	16	61	1		35	20	42	3					
SACRAMENTO COUNTY 5-21.08																		
05N/06E-22D03 M		67	8.0	209	15	8.6	19	1.9	0.0	128	1.2	5.8	1.2		0.0		160	73
8-01-69	5050		7.9	210	0.75	0.71	0.83	0.05		2.10	0.02	0.16	0.02					0
0730	5050				32	30	36	2		91	1	7	1					
05N/07E-11R02 M		--	7.7	155	5.4	3.0	23	0.8	0.0	69	0.0	5.8	14		0.0		161	26
7-30-69	5050		7.2	165	0.27	0.25	1.00	0.02		1.13		0.16	0.22					0
1430	5050				18	16	65	1		75		11	14					
06N/05E-03F01 M		65	7.8	381	32	23	20	2.3	0.0	240	4.6	12	12		0.0		246	173
7-31-69	5050		7.3	375	1.60	1.86	0.87	0.06		3.93	0.10	0.34	0.19					0
0930	5050				37	42	20	1		86	2	8	4					
06N/05E-31L03 M		--	8.0	268	22	11	21	1.8	0.0	162	1.2	11	0.0		0.0		169	100
7-31-69	5050		8.1	270	1.10	0.90	0.91	0.05		2.66	0.02	0.31						0
1030	5050				37	30	31	2		89	1	10						

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)																		
06N/06E-23C02 M		65	8.1	240	16	11	17	1.9	0.0	98	2.6	16	10		0.0			85
8-01-69	5050		7.3	255	0.80	0.90	0.74	0.05		1.61	0.05	0.45	0.16					
0915	5050				32	36	30	2		71	2	20	7					
07N/05E-03N01 M		--	8.0	184	13	9.4	14	1.7	0.0	98	0.0	7.8	7.5		0.0		155	71
8-01-69	5050		7.7	190	0.65	0.77	0.61	0.04		1.61		0.22	0.12					0
1030	5050				31	37	30	2		83		11	6					
07N/06E-10Q01 M		--	7.7	198	13	8.9	19	0.7	0.0	106	16	7.2	4.8		0.0		173	69
7-31-69	5050		7.3	210	0.65	0.73	0.83	0.02		1.74	0.33	0.20	0.08					0
0730	5050				29	33	37	1		74	14	9	3					
07N/07E-14R01 M		67	7.9	252	23	13	11	1.7	0.0	148	5.4	3.9	11		0.0		184	111
7-30-69	5050		7.3	265	1.15	1.07	0.48	0.04		2.42	0.11	0.11	0.18					0
1230	5050				42	39	18	1		86	4	4	6					
07N/07E-33G01 M		--	7.6	263	20	14	16	1.4	0.0	136	3.0	16	8.8		0.0		201	107
7-30-69	5050		7.1	275	1.00	1.14	0.70	0.04		2.23	0.06	0.45	0.14					0
1045	5050				35	40	24	1		77	2	16	5					
08N/05E-06H01 M		64	8.1	432	33	20	21	5.0	0.0	152	0.3	68	0.2		0.0		292	167
7-24-69	5050		7.9	430	1.65	1.69	0.91	0.13		2.49	0.01	1.92	0.00					42
0915	5050				38	38	21	3		56	0	44	0					
09N/05E-09F01 M		68	7.8	254	18	11	16	1.9	0.0	121	4.4	18	3.3		0.0		201	91
7-24-69	5050		7.3	260	0.90	0.92	0.70	0.05		1.98	0.09	0.51	0.05					0
1015	5050				35	36	27	2		75	4	19	2					
09N/06E-34R01 M		67	8.0	225	18	11	10	1.6	0.0	110	7.1	7.1	12		0.0		164	91
7-25-69	5050		7.1	225	0.90	0.92	0.44	0.04		1.80	0.15	0.20	0.19					1
1330	5050				39	40	19	2		77	6	9	8					
09N/07E-04R01 M		57	8.0	346	42	16	8.8	2.1	0.0	198	7.4	13	0.0		0.0		181	173
7-25-69	5050		7.3	370	2.10	1.36	0.38	0.05		3.24	0.15	0.37						0
1100	5050				54	35	10	1		86	4	10						
10N/04E-30A01 M		68	8.1	387	25	23	41	1.0	0.0	236	31	9.5	1.6		0.1		242	158
7-24-69	5050		7.5	395	1.25	1.91	1.78	0.02		3.87	0.64	0.27	0.02					0
1300	5050				25	39	36	0		81	13	6	0					
10N/05E-17H01 M		70	8.0	315	19	12	28	2.1	0.0	113	12	40	5.8		0.2		234	96
7-24-69	5050		7.7	320	0.95	0.97	1.22	0.05		1.85	0.25	1.13	0.09					3
1400	5050				30	30	38	2		56	7	34	3					
10N/06E-21C01 M		67	7.6	244	21	10	14	0.8	0.0	100	2.0	22	7.8		0.0		209	94
7-23-69	5050		7.1	270	1.05	0.83	0.61	0.02		1.64	0.04	0.62	0.12					12
1430	5050				42	33	24	1		68	2	25	5					
YOLO COUNTY 5-21.09																		
07N/03E-06R01 M		--	8.1	894	36	78	57	1.8	0.0	525	36	32	22		0.7		481	413
8-22-69	5050		7.9	810	1.80	6.45	2.48	0.05		8.60	0.75	0.90	0.35					0
0730	5050				17	60	23	0		81	7	9	3					
08N/02E-13H02 M		--	7.9	1120	63	91	73	2.5	0.0	520	105	106	8.6		0.6		731	531
8-22-69	5050		7.7	1100	3.14	7.47	3.18	0.06		8.52	2.19	2.99	0.14					105
0845	5050				23	54	23	0		61	16	22	1					
08N/01W-20J02 M		--	8.2	424	29	20	24	0.9	0.0	208	17	12	11		0.2		208	155
8-22-69	5050		8.1	375	1.45	1.65	1.04	0.02		3.41	0.35	0.34	0.18					0
1045	5050				35	40	25	0		80	8	8	4					
09N/02E-22H01 M		68	8.0	880	53	50	58	2.3	0.0	334	34	121	0.9		1.7		490	340
8-25-69	5050		7.9	800	2.64	4.15	2.52	0.06		5.47	0.71	3.41	0.01					66
0730	5050				28	44	27	1		57	7	36	0					
09N/04E-33L01 M		61	7.9	1660	92	33	216	8.1	0.0	260	2.6	442	0.0		1.5		1020	365
8-26-69	5050		8.1	1700	4.59	2.70	9.40	0.21		4.26	0.05	12.47						152
1400	5050				27	16	56	1		26	0	74						
09N/01W-21E01 M		63	7.9	685	66	21	43	0.4	0.0	252	22	77	16		0.1		383	253
8-22-69	5050		7.5	760	3.29	1.76	1.87	0.01		4.13	0.46	2.17	0.26					46
1245	5050				48	25	27	0		59	6	31	4					
10N/01E-15H02 M		--	7.9	534	39	26	38	2.5	0.0	259	26	40	3.8		1.5		270	204
8-25-69	5050		7.7	500	1.95	2.13	1.65	0.06		4.24	0.54	1.13	0.06					0
1000	5050				34	37	28	1		71	9	19	1					
10N/02E-17J03 M		--	8.1	556	41	26	38	2.5	0.0	259	19	38	2.6		1.5		278	207
8-25-69	5050		7.9	520	2.04	2.10	1.65	0.06		4.24	0.40	1.07	0.04					0
0845	5050				35	36	28	1		74	7	18	1					
10N/01W-27C01 M		64	8.2	894	70	52	56	3.9	0.0	447	34	76	23		2.0		519	387
8-25-69	5050		7.7	910	3.49	4.24	2.44	0.10		7.33	0.71	2.14	0.37					21
1230	5050				34	41	24	1		69	7	20	4					
10N/02W-26M01 M		68	8.0	714	46	43	48	1.9	0.0	347	44	36	7.6		0.0		405	291
8-25-69	5050		7.7	740	2.30	3.51	2.09	0.05		5.69	0.92	1.02	0.12					0
1430	5050				29	44	26	1		73	12	13	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
YOLO COUNTY 5-21.09 (Continued)																		
11N/01E-16P01 M		--	8.0	652	37	25	40	3.7	0.0	289	11	33	1.2		1.3		304	195
8-28-69	5050		7.9	560	1.85	2.05	1.74	0.09		4.74	0.23	0.93	0.02					0
0950	5050				32	36	30	2		80	4	16	0					
11N/02E-14F04M		--	8.2	497	27	21	52	3.7	0.0	292	9.7	20	0.5		0.7		277	153
8-26-69	5050		7.9	455	1.35	1.71	2.26	0.09		4.78	0.20	0.56	0.01					0
0800	5050				25	31	42	2		86	4	10	0					
12N/01W-21A01 M		--	8.1	405	30	28	18	0.2	0.0	256	0.0	3.8	6.8		0.0		214	189
8-26-69	5050		7.9	390	1.50	2.28	0.78	0.00		4.20		0.11	0.11					0
1030	5050				33	50	17	0		95		3	2					
SOLANO COUNTY 5-21.11																		
04N/03E-31F02 M		67	8.6	787	15	19	136	1.6	21	301	30	72	8.0		1.1		447	115
7-16-69	5050		8.3	775	0.75	1.55	5.92	0.04	0.70	4.93	0.62	2.03	0.13					0
1200	5050				9	19	72	0	8	59	7	24	2					
05N/01E-23R01 M		66	8.0	735	8.2	7.7	156	0.8	0.0	337	74	26	0.1		1.2		439	52
7-28-69	5050		8.1	750	0.41	0.63	6.79	0.02		5.52	1.54	0.73	0.00					0
1300	5050				5	8	86	1		71	20	9	0					
05N/01E-36A01 M		70	8.5	1010	49	66	93	1.4	26	471	24	92	7.8		0.4		553	395
7-28-69	5050		7.5	1100	2.44	5.45	4.04	0.04	0.87	7.72	0.50	2.60	0.12					0
1400	5050				20	46	33	1	8	65	4	22	1					
05N/02E-25K01 M		65	8.7	1410	13	67	248	2.3	56	828	55	25	0.5		1.4		884	310
7-16-69	5050		8.0	1500	0.65	5.54	10.79	0.06	1.87	13.57	1.14	0.70	0.01					0
1300	5050				4	33	63	0	11	78	7	4	0					
06N/01E-19L02 M		65	7.9	790	40	35	73	0.2	0.0	218	107	65	29		0.5		466	245
7-28-69	5050		7.4	1000	2.00	2.90	3.18	0.00		3.57	2.27	1.83	0.47					66
1450	5050				25	36	39	0		44	28	22	6					
06N/01E-19Q01 M		67	7.8	673	36	25	66	0.4	0.0	214	62	66	8.9		0.2		390	194
7-29-69	5050		7.0	850	1.80	2.08	2.87	0.01		3.51	1.29	1.86	0.14					19
0915	5050				27	31	42	0		52	19	27	2					
06N/01W-01B04 M		70	8.6	531	44	20	44	0.2	2	249	12	35	21		0.1		327	191
7-15-69	5050		7.6	530	2.20	1.62	1.91	0.00	0.07	4.08	0.25	0.99	0.34					0
1215	5050				38	28	34	0	1	71	4	17	7					
06N/01W-23L01 M		69	8.4	440	19	20	45	3.0	0.0	192	49	14	5.2		0.2		274	131
7-29-69	5050		7.5	560	0.95	1.67	1.96	0.08		3.15	1.02	0.39	0.08					0
0945	5050				20	36	42	2		68	22	8	2					
07N/01E-36C01 M		67	8.5	994	25	88	63	0.8	0.0	525	70	39	19		0.5		600	424
8-04-69	5050		7.9	1150	1.25	7.22	2.74	0.02		8.60	1.46	1.10	0.31					0
1045	5050				11	64	24	1		75	13	10	2					
07N/02E-34C02 M		66	8.5	780	23	72	45	0.9	4	418	43	32	17		0.6		448	352
7-29-69	5050		7.8	900	1.15	5.88	1.96	0.02	0.13	6.85	0.90	0.90	0.27					3
1140	5050				13	65	22	0	1	76	10	10	3					
08N/01E-26F01 M		66	8.5	843	10	90	48	0.8	7	442	73	18	26		0.6		522	396
7-29-69	5050		7.5	1100	0.50	7.41	2.09	0.02	0.23	7.24	1.52	0.51	0.42					22
1415	5050				5	74	21	0	2	73	15	5	5					
08N/01W-23A01 M		67	8.4	513	33	38	20	0.7	0.0	275	27	23	5.0		0.6		294	240
7-29-69	5050		7.9	525	1.65	2.93	0.87	0.02		4.51	0.56	0.65	0.08					14
1540	5050				29	53	17	1		78	10	11	1					
SAN JOAQUIN VALLEY 5-22.00																		
SAN JOAQUIN COUNTY 5-22.01																		
01N/04E-03N01 M		--	7.9	1220	45	26	203	4.1	0.0	551	3.8	154	7.2		1.5		722	218
8-14-69	5050		7.7	1200	2.24	2.12	8.83	0.10		9.03	0.08	4.34	0.12					0
1230	5050				17	16	66	1		66	1	32	1					
01N/06E-05K01 M		66	7.8	1500	49	21	243	3.8	0.0	216	0.0	391	0.1		0.8		880	210
8-19-69	5050		7.8	1500	2.44	1.76	10.57	0.10		3.54		11.03	0.00					33
1400	5050				16	12	71	1		24		76	0					
01N/07E-17P01 M		--	7.8	318	23	12	21	3.1	0.0	140	3.0	20	9.5		0.0		206	105
8-15-69	5050		7.7	290	1.15	0.95	0.91	0.08		2.29	0.06	0.56	0.15					0
0745	5050				37	31	29	3		75	2	18	5					
01N/08E-15J01 M		--	8.1	265	21	12	16	1.8	0.0	146	0.0	9.8	10		0.0		195	102
8-18-69	5050		7.3	265	1.05	0.99	0.70	0.05		2.39		0.28	0.16					0
1030	5050				38	35	25	2		84		10	6					
01N/09E-16F01 M		66	8.0	211	17	8.9	12	3.5	0.0	110	0.0	8.8	11		0.0		181	79
8-19-69	5050		7.3	210	0.85	0.73	0.52	0.09		1.80		0.25	0.18					0
0800	5050				39	33	24	4		81		11	8					
02N/06E-16C02 M		--	8.2	655	70	23	20	4.0	0.0	270	54	32	2.6		0.0		392	269
8-19-69	5050		7.9	560	3.49	1.88	0.87	0.10		4.42	1.12	0.90	0.04					48
1500	5050				55	30	14	1		68	17	14	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
SAN JOAQUIN COUNTY 5-22.01 (Continued)																		
02N/07E-20E04 M		--	8.0	355	36	17	17	4.6	0.0	209	20	7.3	3.7		0.0		240	160
8-19-69	5050		7.5	350	1.80	1.40	0.74	0.12		3.42	0.42	0.20	0.06					0
1215	5050				44	35	18	3		83	10	5	2					
02N/08E-21J01 M		--	8.0	245	20	11	13	4.7	0.0	138	3.3	4.8	4.6		0.0			97
8-18-69	5050		7.3	245	1.00	0.94	0.56	0.12		2.26	0.07	0.14	0.07					
1400	5050				38	36	21	5		89	3	5	3					
03N/06E-17H03 M		--	8.0	408	38	16	25	2.2	0.0	219	14	8.8	4.5		0.0		240	160
8-20-69	5050		7.5	400	1.90	1.30	1.09	0.06		3.59	0.29	0.25	0.07					0
1230	5050				44	30	25	1		85	7	6	2					
03N/07E-16C05 M		--	7.7	383	36	15	24	2.8	0.0	203	14	17	9.8		0.0		246	151
8-20-69	5050		7.5	380	1.80	1.22	1.04	0.07		3.33	0.29	0.48	0.16					0
1415	5050				44	29	25	2		78	7	11	4					
03N/08E-15A02 M		--	7.6	183	10	6.3	18	1.8	0.0	91	0.0	5.9	7.6		0.0		149	51
8-21-69	5050		7.3	170	0.50	0.52	0.78	0.05		1.49		0.17	0.12					0
0745	5050				27	28	42	3		84		9	7					
04N/06E-16R07 M		61	7.5	203	17	8.4	14	1.7	0.0	123	3.6	2.8	2.8		0.0		157	77
8-21-69	5050		7.3	235	0.85	0.69	0.61	0.04		2.02	0.07	0.08	0.04					0
1230	5050				39	31	28	2		91	3	4	2					
04N/07E-15E01 M		67	7.7	332	30	13	21	2.2	0.0	164	0.0	24	14		0.0		255	128
8-21-69	5050		7.1	335	1.50	1.06	0.91	0.06		2.69		0.68	0.22					0
1000	5050				42	30	26	2		75		19	6					
04N/08E-22K02 M		--	7.7	240	19	11	13	7.1	0.0	135	1.6	13	0.0		0.0		192	93
8-21-69	5050		7.1	245	0.95	0.91	0.56	0.18		2.21	0.03	0.37						0
0845	5050				36	35	22	7		85	1	14						
01S/06E-23C02 M		--	7.9	562	41	8.8	64	3.8	0.0	163	5.1	103	0.1		0.2		297	138
8-14-69	5050		7.7	560	2.04	0.72	2.78	0.10		2.67	0.11	2.90	0.00					4
1030	5050				36	13	49	2		47	2	51	0					
01S/07E-21G01 M		--	8.0	331	30	10	22	4.2	0.0	147	26	4.4	27		0.2		236	118
8-14-69	5050		7.7	320	1.50	0.86	0.96	0.11		2.41	0.54	0.12	0.44					0
0900	5050				44	25	28	3		69	15	3	13					
01S/08E-16R01 M		68	7.9	392	37	17	24	5.1	0.0	241	3.8	10	16		0.1		262	162
8-13-69	5050		7.5	400	1.85	1.39	1.04	0.13		3.95	0.08	0.28	0.26					0
1330	5050				42	31	24	3		86	2	6	6					
01S/09E-16P02 M		--	8.2	414	35	21	22	2.8	0.0	211	9.9	23	8.0		0.0		262	173
8-13-69	5050		7.3	410	1.75	1.71	0.96	0.07		3.46	0.21	0.65	0.13					0
1430	5050				39	38	21	2		78	5	14	3					
02S/05E-25D02 M		--	7.9	1540	139	48	130	4.2	0.0	224	302	221	30		1.3		1060	545
8-12-69	5050		7.5	1425	6.94	3.95	5.66	0.11		3.67	6.29	6.23	0.48					361
0940	5050				41	24	34	1		22	38	37	3					
02S/07E-07Q01 M		66	7.9	565	63	10	33	4.1	0.0	228	28	18	41		0.1		336	200
8-13-69	5050		7.5	520	3.14	0.86	1.44	0.10		3.74	0.58	0.51	0.66					0
0915	5050				57	15	26	2		68	11	9	12					
02S/09E-15P01 M		68	7.8	206	18	4.6	15	2.7	0.0	101	0.0	4.5	8.0		0.0		158	64
8-13-69	5050		7.8	200	0.90	0.38	0.65	0.07		1.66		0.13	0.13					0
1100	5050				45	19	32	4		86		7	7					
04S/06E-09D01 M		68	7.9	632	53	21	43	2.6	0.0	197	62	50	26		0.5		344	218
8-12-69	5050		7.5	610	2.64	1.72	1.87	0.07		3.23	1.29	1.41	0.42					56
1400	5050				42	27	30	1		51	20	22	7					
LAHONTAN REGION 6-00.00																		
SURPRISE VALLEY 6-01.00																		
40N/16E-13R01 M		57	7.9	219	26	6.1	11	3.5	0.0	134	1.6	2.0	2.7		0.0		139	90
7-16-69	5050		7.7	230	1.30	0.50	0.48	0.09		2.20	0.03	0.06	0.04				119	0
1130	5050				55	21	20	4		94	1	3	2					
40N/16E-36F01 M		63	---	---														
7-16-69	--		7.3	320														
1045	5050																	
40N/16E-36G01 M		57	7.9	263			13		0.0	165		2.2		0.1				112
7-16-69	5050		7.3	280			0.57			2.71		0.06						0
1015	5050						21			103		2						
40N/16E-36G80 M		65	---	---			21								0.0			110
7-16-69	5050		7.7	260			0.91											
1020	5050																	
41N/16E-35D02 M		59	---	155			6.8					1.4		0.1				62
7-16-69	5050		7.5	142			0.30					0.04						
1140	5050						19					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
SURPRISE VALLEY 6-01.00 (Continued)																		
42N/16E-08E01 M		63	7.9	264	32	11	12	0.3	0.0	184	2.8	2.2	3.1	0.1	0.0		148	127
7-17-69	5050		8.2	265	1.60	0.90	0.52	0.01		3.02	0.06	0.06	0.05				154	0
0800	5050				53	30	17			95	2	2	2					
42N/16E-08F01 M		67	---	---														
7-17-69	--		7.4	315														
0750	5050																	
42N/16E-34F01 M		62	---	286			48					3.1						55
7-16-69	5050		8.1	295			2.09					0.09						
1230	5050						73					3						
43N/16E-07A03 M		56	---	---														
7-17-69	--		7.3	220														
0930	5050																	
43N/16E-33M03 M		69	---	427			27					5.2	25	0.2				180
7-17-69	5050		7.7	430			1.17					0.15	0.40					
0910	5050						27					3	9					
45N/16E-19Q01 M		67	---	---														
7-19-69	--		8.0	320														
1030	5050																	
46N/16E-23B01 M		56	---	---														
7-17-69	--		7.9	330														
1200	5050																	
MADELINE PLAINS 6-02.00																		
34N/13E-18E01 M		62	---	---														
7-10-69	--		7.9	155														
1630	5050																	
34N/14E-23E01 M		63	---	---														
7-11-69	--		7.4	245														
0900	5050																	
34N/15E-21L01 M		--	7.5	145	4.5	4.9	22	4.4	0.0	94	2.1	2.2	1.0		0.0		94	31
7-16-69	5050		7.3	142	0.22	0.40	0.96	0.11		1.54	0.04	0.06	0.02				87	0
0940	5050				13	24	57	7		93	2	4	1					
35N/13E-25M01 M		54	8.0	932			42		0.0	485		37	57	0.3				430
7-10-69	5050		7.3	1030			1.83			7.95		1.04	0.92					33
1530	5050						19			85		11	9					
35N/16E-19F01 M		56	---	---														
7-11-69	--		7.6	340														
1015	5050																	
37N/13E-16A01 M		61	---	---														
7-10-69	--		7.5	450														
1415	5050																	
37N/13E-20Q01 M		59	7.8	3010	155	132	371	24	0.0	455	811	380	26	0.5	0.1		2330	930
7-10-69	5050		7.4	3400	7.73	10.85	16.14	0.61		7.46	16.87	10.72	0.42				2123	557
1445	5050				22	31	46	2		21	48	30	1					
WILLOW CREEK VALLEY 6-03.00																		
31N/12E-13M01 M		54	7.9	413	26	12	30	13	0.0	174	10	18	12		0.0		244	113
7-09-69	5050		7.3	380	1.30	0.99	1.31	0.33		2.85	0.21	0.51	0.19				206	0
0800	5050				33	25	33	8		76	6	14	5					
31N/12E-25G01 M		57	8.2	359	36	24	9.6	0.5	0.0	246	0.3	3.5	12		0.0		214	187
7-09-69	5050		7.4	380	1.80	1.97	0.42	0.01		4.03	0.01	0.10	0.19				206	0
0730	5050				43	47	10			93		2	4					
HONEY LAKE VALLEY 6-04.00																		
22N/17E-04K01 M		65	8.0	390			40		0.0	181		8.7	30					112
7-09-69	5050		7.3	380			1.74			2.97		0.25	0.48					0
1630	5050						44			76		6	12					
25N/17E-21N03 M		64	---	285			57					13	0.0					23
7-10-69	5050		8.1	295			2.48					0.37						
0900	5050						87					12						
27N/14E-06C01 M		57	8.4	264	30	8.7	9.2		2.0	112		8.8	13					111
7-10-69	5050		6.3	275	1.50	0.72	0.40		0.07	1.84		0.25	0.21					16
1210	5050				56	27	15		2	69		9	7					
27N/14E-26E01 M		57	---	196			16					5.2	13					65
7-10-69	5050		6.1	225			0.70					0.15	0.21					
1145	5050						35					7	10					

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
HONEY LAKE VALLEY 6-04.00 (Continued)																		
27N/16E-35P01 M		--	7.5	575	34	14	62	9.0	0.0	188	96	21	3.6	0.6		51	388	142
7-22-69	5000		---	---	1.70	1.15	2.70	0.23		3.08	2.00	0.59	0.06				383	0
--	5000				29	20	47	4		54	35	10	1					
27N/16E-36P02 M		--	7.5	895	72	27	77	3.5	0.0	190	236	35	7.5	0.6		40	610	290
7-22-69	5000		---	---	3.59	2.22	3.35	0.09		3.12	4.91	0.99	0.12				592	134
--	5000				39	24	36	1		34	54	11	1					
28N/14E-02G01 M		57	---	---														
7-09-69	--		7.7	1580														
1250	5050																	
28N/14E-17B01 M		61	8.0	435			44		0.0	265		6.3	2.4					147
7-09-69	5050		7.3	460			1.91			4.35		0.18	0.04					0
1145	5050						43			100		4						
28N/17E-18K01 M		64	---	---														
7-09-69	--		8.4	262														
1400	5050																	
28N/17E-20J01 M		80	---	246			43					9.4						28
7-09-69	5050		8.0	255			1.87					0.27						
1420	5050																	
29N/12E-04G01 M		80	7.9	713	13	2.3	134	3.3	0.0	94	169	52	0.8	1.7	1.6		471	42
7-08-69	5050		8.0	720	0.65	0.19	5.83	0.08		1.54	3.52	1.47	0.01				424	0
0800	5050				10	3	86	1		24	54	22						
29N/12E-15A01 M		58	---	---														
7-07-69	--		7.0	210														
1550	5050																	
29N/13E-01N01 M		61	---	559			106											15
7-08-69	5050		7.8	600			4.61											
1030	5050						82											
29N/13E-06K01 M		64	8.1	272			27		0.0	141		4.5		0.3				84
7-07-69	5050		7.6	280			1.17			2.31		0.13						0
1245	5050						43			84		4						
29N/13E-14G01 M		62	7.7	915	29	12	154	4.4	0.0	218	48	58	183		0.2		662	124
7-07-69	5050		7.3	990	1.45	0.99	6.70	0.11		3.58	1.00	1.64	2.95				595	0
1300	5050				16	11	72	1		39	11	18	32					
29N/14E-04N01 M		64	8.2	690			142		0.0	333		22						51
7-08-69	5050		7.7	620			6.18			5.46		0.62						0
0945	5050						89			79		8						
29N/14E-17Q01 M		59	8.5	1440			336		24	603		59						60
7-07-69	5050		8.2	1580			14.62		0.80	9.89		1.66						0
1505	5050						101		5	68		11						
29N/14E-18R01 M		59	8.1	1110	4.0	3.4	276	6.5	0.0	574	78	16	36	6.0	0.9		779	24
7-07-69	5050		8.0	1190	0.20	0.28	12.01	0.17		9.41	1.62	0.45	0.58				708	0
1415	5050				2	2	95	1		78	13	4	5					
29N/14E-19A02 M		62	8.4	1800			376		1.0	474		40	4.2					124
7-07-69	5050		7.5	1970			16.36		0.03	7.77		1.13	0.07					0
1335	5050						90			43		6						
29N/14E-20B01 M		68	---	---														
7-08-69	--		7.7	2350														
1120	5050																	
29N/15E-21N01 M		63	8.0	1010	7.5	6.0	222	4.4	0.0	492	40	53	16		0.6		666	43
7-08-69	5050		8.4	1080	0.37	0.49	9.66	0.11		8.07	0.83	1.49	0.26				591	0
1400	5050				3	5	91	1		76	8	14	2					
29N/15E-21Q80 M		--	8.3	1330			302		0.0	755		69		0.8				87
7-08-69	5050		---	---			13.14			12.38		1.95						0
--	5050						98			93		14						
29N/15E-30A80 M		59	8.3	583			131		0.0	367		7.0		0.5				47
7-08-69	5050		8.0	650			5.70			6.02		0.20						0
1215	5050						97			103		3						
29N/16E-30L01 M		87	8.1	348	5.8	3.0	54	8.0	0.0	119	27	17	1.7		0.2		210	27
7-09-69	5050		8.4	300	0.29	0.25	2.35	0.20		1.95	0.56	0.48	0.03				175	0
1330	5050				9	8	76	6		65	19	16	1					
30N/12E-33N02 M		75	8.1	501			76		0.0	144		37						71
7-09-69	5050		7.6	520			3.31			2.36		1.04						0
1045	5050						66			47		20						

TABLE E-2

TRACE ELEMENT ANALYSES OF GROUND WATER

State Well Number	Date Sampled	Constituents in Milligrams Per Liter								
		Aluminum	Arsenic	Cadmium	Copper	Iron	Lead	Manganese	Selenium	Zinc
CENTRAL VALLEY REGION 5-00.00										
ALTURAS BASIN 5-02.00										
41N/13E-18P01M	7-14-69		0.01							
42N/12E-11J01M	7-17-69		0.00							
42N/13E-32G01M	7-14-69		0.00							
BIG VALLEY 5-04.00										
38N/07E-28N09M	8-05-69		0.00							
REDDING BASIN 5-06.00										
29N/04W-11G04M	7-02-69	0.01	0.00		0.02	0.00	0.00	0.00		0.04
SCOTT VALLEY 5-14.00										
14N/10W-03F01M	9-16-69		0.00	0.00	0.00	0.04	0.01	0.00	0.00	0.04
KELSEYVILLE VALLEY 5-15.00										
14N/09W-32J03M	9-16-69		0.00	0.00	0.05	7.7	0.00	0.00	0.00	0.08
LOWER LAKE AREA 5-30.00										
12N/07W-01M02M	9-15-69		0.00	0.00	0.01	0.06	0.01	0.00	0.00	0.11
SACRAMENTO VALLEY 5-21.00										
TEHAMA COUNTY 5-21.01										
23N/03W-22Q01M	8-22-69		0.00							
26N/03W-36E02M	8-22-69		0.00	0.00	0.01	0.03	0.02	0.00	0.00	0.01
27N/04W-34P01M	8-12-69					0.08				
GLENN COUNTY 5-21.02										
19N/03W-09J01M	6-10-69		0.00							
22N/03W-22Q01M	6-09-69		0.00							
BUTTE COUNTY 5-21.03										
17N/01E-01R01M	8-26-69		0.02							
17N/04E-20P01M	8-26-69		0.00							
18N/02E-12G01M	8-26-69		0.00							
18N/03E-33N01M	8-26-69		0.00							
19N/04E-07P01M	9-22-69					0.10		0.01		
19N/04E-20C01M	9-22-69					0.25		0.01		
22N/01E-16H01M	6-19-69					0.03		0.00		

TABLE E-2 (Continued)

TRACE ELEMENT ANALYSES OF GROUND WATER

State Well Number	Date Sampled	Constituents in Milligrams Per Liter								
		Aluminum	Arsenic	Cadmium	Copper	Iron	Lead	Manganese	Selenium	Zinc
CENTRAL VALLEY REGION 5-00.00 (Continued)										
BUTTE COUNTY 5-21.03 (Continued)										
22N/01E-23C01M	6-19-69					0.00		0.00		
22N/01E-25M01M	1-30-69					0.05		0.01		
22N/01E-26L01M	3-27-69					0.02		0.00		
22N/01E-27G02M	3-27-69					0.03		0.00		
22N/01E-35A01M	6-19-69					0.06		0.00		
22N/01E-36C01M	6-19-69					0.01		0.00		
22N/01W-19J01M	1-30-69					0.17		0.00		
COLUSA COUNTY 5-21.04										
17N/03W-33R02M	9-18-69		0.00	0.00	0.00	0.03	0.01	0.00	0.00	0.04
SACRAMENTO COUNTY 5-21.08										
6N/06E-23C02M	8-01-69		0.00	0.00	0.00	0.01	0.00		0.00	0.00
SAN JOAQUIN VALLEY 5-22.00										
SAN JOAQUIN COUNTY 5-22.01										
2N/08E-21J01M	8-18-69		0.00	0.00	0.05	0.01	0.00		0.00	0.19
LAHONTAN REGION 6-00.00										
SURPRISE VALLEY 6-01.00										
40N/16E-36G01M	7-16-69		0.00							
43N/16E-07A03M	7-17-69	0.03	0.00		0.01	0.02	0.00	0.00		0.12
46N/16E-23B01M	7-17-69		0.01							
MADELINE PLAINS 6-02.00										
37N/13E-20Q01M	7-10-69		0.00							
HONEY LAKE VALLEY 6-04.00										
27N/16E-35P01M	7-22-69					0.21				
27N/16E-36P02M	7-22-69					0.29				
28N/17E-20J01M	7-09-69		0.00							
29N/13E-06K01M	7-07-69		0.00							
29N/13E-14G01M	7-07-69		0.01							
29N/14E-17Q01M	7-07-69		1.4							
29N/14E-18R01M	7-07-69		0.29							
29N/15E-21Q80M	7-08-69		0.00							

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