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BULLETIN No. 130-75

HYDROLOGIC DATA: 1975

Volume II: NORTHEASTERN CALIFORNIA

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MAY 1977

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Governor
State of California

RONALD B. ROBIE
Director
Department of Water Resources

STATE OF CALIFORNIA

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Department of Water Resources

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MAY 1977

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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 Data
Appendix E: Ground Water Quality Data

THIS VOLUME :

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. 130-75 presents useful, comprehensive, accurate, and timely hydrologic data which are prerequisites for monitoring environmental conditions as well as effective planning, design, construction, and operation of water facilities.

The Bulletin No. 130 series has been published annually in five volumes since 1963. Each volume presents hydrologic data for one of five reporting areas of the State. These areas are delineated on the map to the left.

This Bulletin No. 130-75 is the last of this series to be published. It is to be replaced with a statewide hydrologic data index, which will show what data are available and where they may be obtained.

Ronald B. Robie

Ronald B. Robie, Director
Department of Water Resources
The Resources Agency
State of California

CONVERSION FACTORS

English to Metric System of Measurement

Quantity	English unit	Multiply by	To get metric equivalent
Length	inches (in)	25.4	millimetres (mm)
		.0254	metres (m)
	feet (ft)	.3048	metres (m)
	miles (mi)	1.6093	kilometres (km)
Area	square inches (in^2)	6.4516×10^{-4}	square metres (m^2)
	square feet (ft^2)	.092903	square metres (m^2)
	acres	4046.9	square metres (m^2)
		.40469	hectares (ha)
		.40469	square hectometres (hm^2)
		.0040469	square kilometres (km^2)
	square miles (mi^2)	2.590	square kilometres (km^2)
Volume	gallons (gal)	3.7854	litres (l)
		.0037854	cubic metres (m^3)
	million gallons (10^6 gal)	3785.4	cubic metres (m^3)
	cubic feet (ft^3)	.028317	cubic metres (m^3)
	cubic yards (yd^3)	.76455	cubic metres (m^3)
	acre-feet (ac-ft)	1233.5	cubic metres (m^3)
		.0012335	cubic hectometres (hm^3)
		1.233×10^{-6}	cubic kilometres (km^3)
Volume/Time (Flow)	cubic feet per second (ft^3/s)	28.317	litres per second (l/s)
		.028317	cubic metres per second (m^3/s)
	gallons per minute (gal/min)	.06309	litres per second (l/s)
		6.309×10^{-5}	cubic metres per second (m^3/s)
	million gallons per day (mgd)	.043813	cubic metres per second (m^3/s)
Mass	pounds (lb)	.45359	kilograms (kg)
	tons (short, 2,000 lb)	.90718	tonne (t)
		907.18	kilograms (kg)
Power	horsepower (hp)	0.7460	kilowatts (kW)
Pressure	pounds per square inch (psi)	6894.8	pascal (Pa)
Temperature	Degrees Fahrenheit (°F)	$\frac{tF - 32}{1.8} = tC$	Degrees Celsius (°C)

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Environmental Quality Branch
Water Resources Evaluation Section

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Arcade Water District
Butte County
California Water Service Company
City of Sacramento
City of Stockton

Colusa County
East Bay Municipal Utility District
Glenn County
Lake County
National Weather Service

Pacific Gas and Electric Company
Placer County
Sacramento County
Sacramento Municipal Utility District
San Joaquin County

Solano County
South San Joaquin Irrigation District
South Sutter Water District
Stockton-East Water District
Sutter County

Tehama County
U. S. Army, Corps of Engineers
U. S. Bureau of Reclamation
U. S. Forest Service
U. S. Geological Survey

Yolo County
Yuba County

INTRODUCTION

This bulletin contains data regarding climate, surface water, ground water levels, and surface and ground water quality. The data were collected by the Department of Water Resources and by various organizations cooperating with the Department.

The Department's files contain some data that currently are not being published. Inquiries regarding local data should be directed to the District Offices listed as follows:

Central District
P. O. Box 160088
3251 S Street
Sacramento, CA 95816

San Joaquin District
P. O. Box 5710
3374 East Shields Avenue
Fresno, CA 93755

Northern District
P. O. Box 607
2440 Main Street
Red Bluff, CA 96080

Southern District
P. O. Box 6598
849 South Broadway
Los Angeles, CA 90055

Inquiries regarding statewide data should be directed to the Division Office:

Division of Planning
P. O. Box 388
1416 Ninth Street
Sacramento, CA 95802

Federal and local agencies also are maintaining substantial data files. A partial listing follows:

Federal Agencies

U. S. Army, Corps of Engineers
Sacramento District
650 Capitol Mall
Sacramento, CA 95814

U. S. Department of the Interior
Geological Survey
Water Resources Division
855 Oak Grove Avenue
Menlo Park, CA 94025

U. S. Department of the Interior
Geological Survey
Water Resources Division
705 North Plaza Street
Carson City, NV 89701

U. S. Department of the Interior
Geological Survey
Water Resources Division
2800 Cottage Way
Sacramento, CA 95825

U. S. Department of the Interior
Bureau of Reclamation
Mid-Pacific Regional Office
2800 Cottage Way
Sacramento, CA 95825

Local Agencies

East Bay Municipal Utility
District
Mokelumne Area Representative
P. O. Box 61
Lodi, CA 95240

Pacific Gas & Electric Company
5555 Florin-Perkins Road
Sacramento, CA 95826

County of Sacramento
Department of Public Works
Water Resources Division
827-7th Street
Sacramento, CA 95814

Sacramento Municipal Utility
District
P. O. Box 15830
6201 S Street
Sacramento, CA 95813

San Joaquin County Flood Control
and Water Conservation District
P. O. Box 1810
Stockton, CA 95201

Appendix A

CLIMATOLOGICAL DATA

This appendix contains precipitation data for certain climate stations and storage gages for the 1975 water year, October 1, 1974 , through September 30, 1975. Additional precipitation data, as well as data concerning air temperature, wind, and evaporation, are available in the National Weather Service's publications "Climatological Data - California"; "Hourly Precipitation Data - California"; and, for particular key stations, "Local Climate Data". These publications can be obtained from:

Superintendent of Documents
Government Printing Office
Washington, D. C. 20402

Other agencies within the area covered by this report have established their own supplemental rain gage networks. Some of these agencies are: California Department of Parks and Recreation; East Bay Municipal Utility District; Pacific Gas and Electric Company; Sacramento County Division of Water Resources; Sacramento Municipal Utility District; Tehama County Flood Control and Water Conservation District.

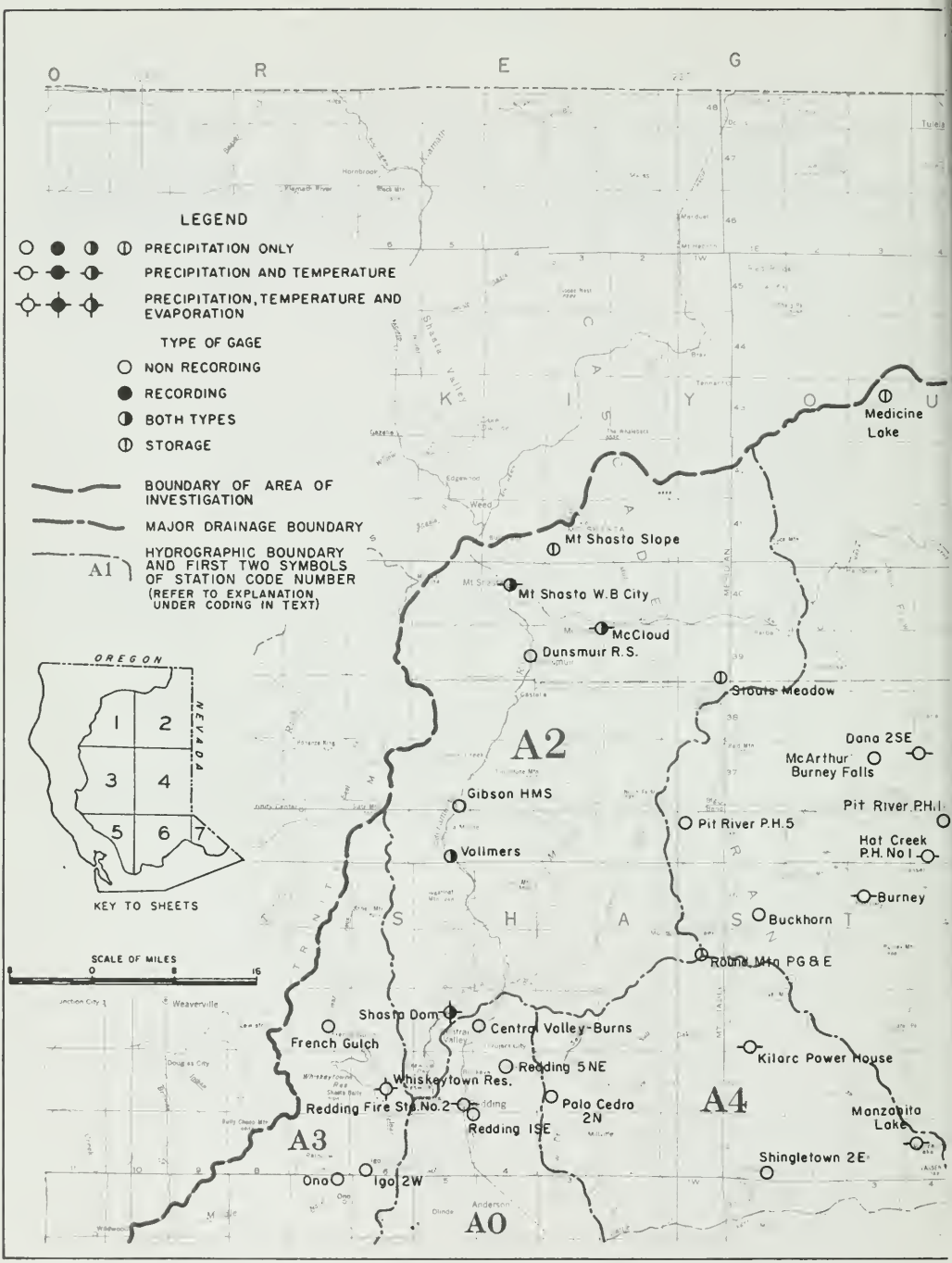
Each station in this appendix has been assigned an identification number. The letter and first digit denote the hydrographic unit as shown below. The remaining digits denote the alphabetical sequence of the station. A complete list of stations is contained in Bulletin No. 165, Index of Climatological Stations in California, 1971.

Sacramento River Basin		San Joaquin River Basin	
A0	Sacramento Valley Floor	B0	San Joaquin Valley Floor
A1	Pit River	B1	Cosumnes River
A2	Shasta Lake	B2	Mokelumne-Calaveras Rivers
A3	Sacramento Valley Westside	B8	San Joaquin Valley Westside
A4	Sacramento Valley Northeast	B9	Sacramento-San Joaquin Delta
A5	Feather River		
A6	Yuba-Bear Rivers		
A7	American River		
A8	Cache Creek		
A9	Putah Creek		

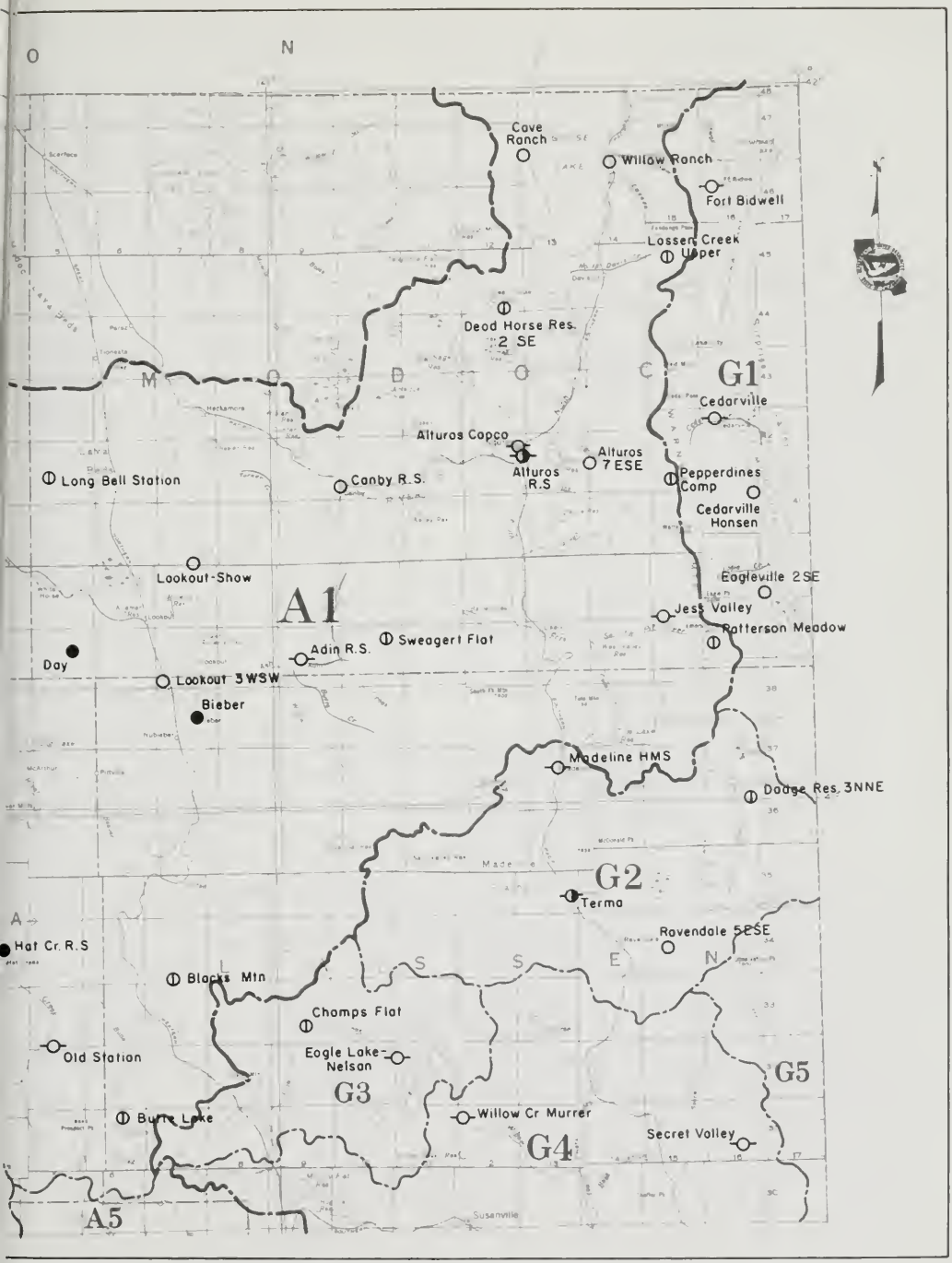
North Lahontan Area

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

FIGURE A-1 SHEET 1 OF 7

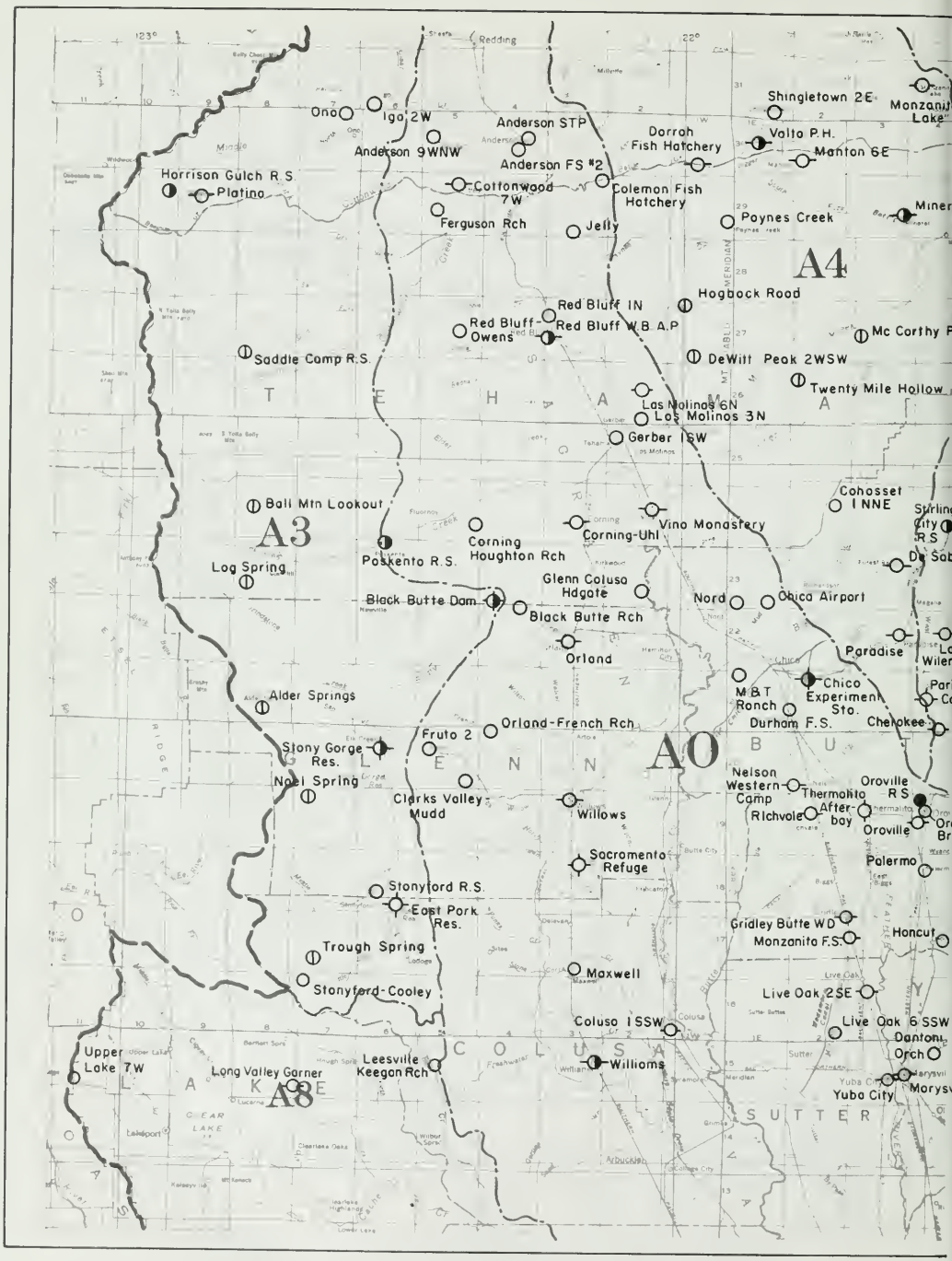


CLIMATOLOGICAL OBSERVATION STATIONS 1975

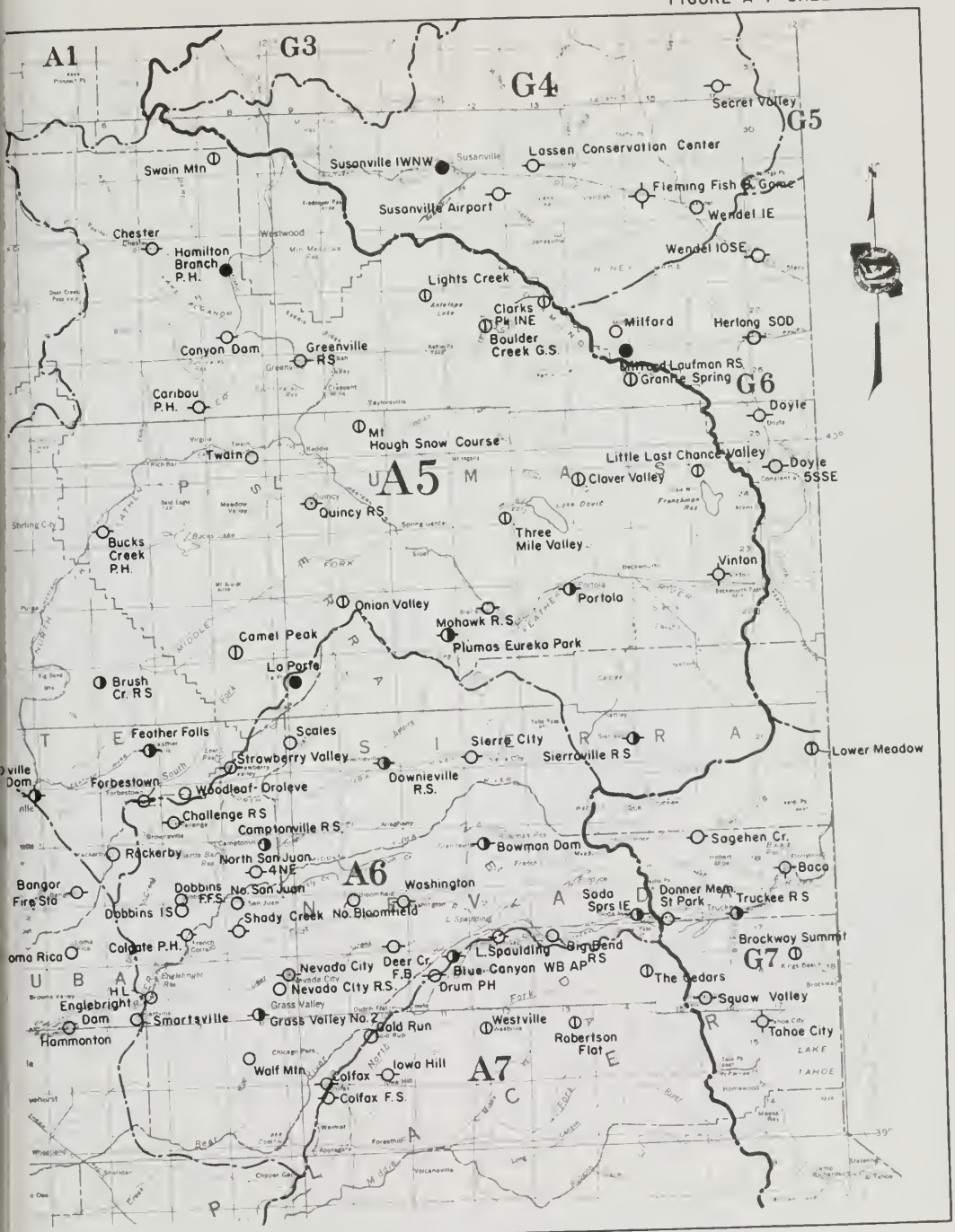


CLIMATOLOGICAL OBSERVATION STATIONS 1975

FIGURE A-1 SHEET 3 OF 7

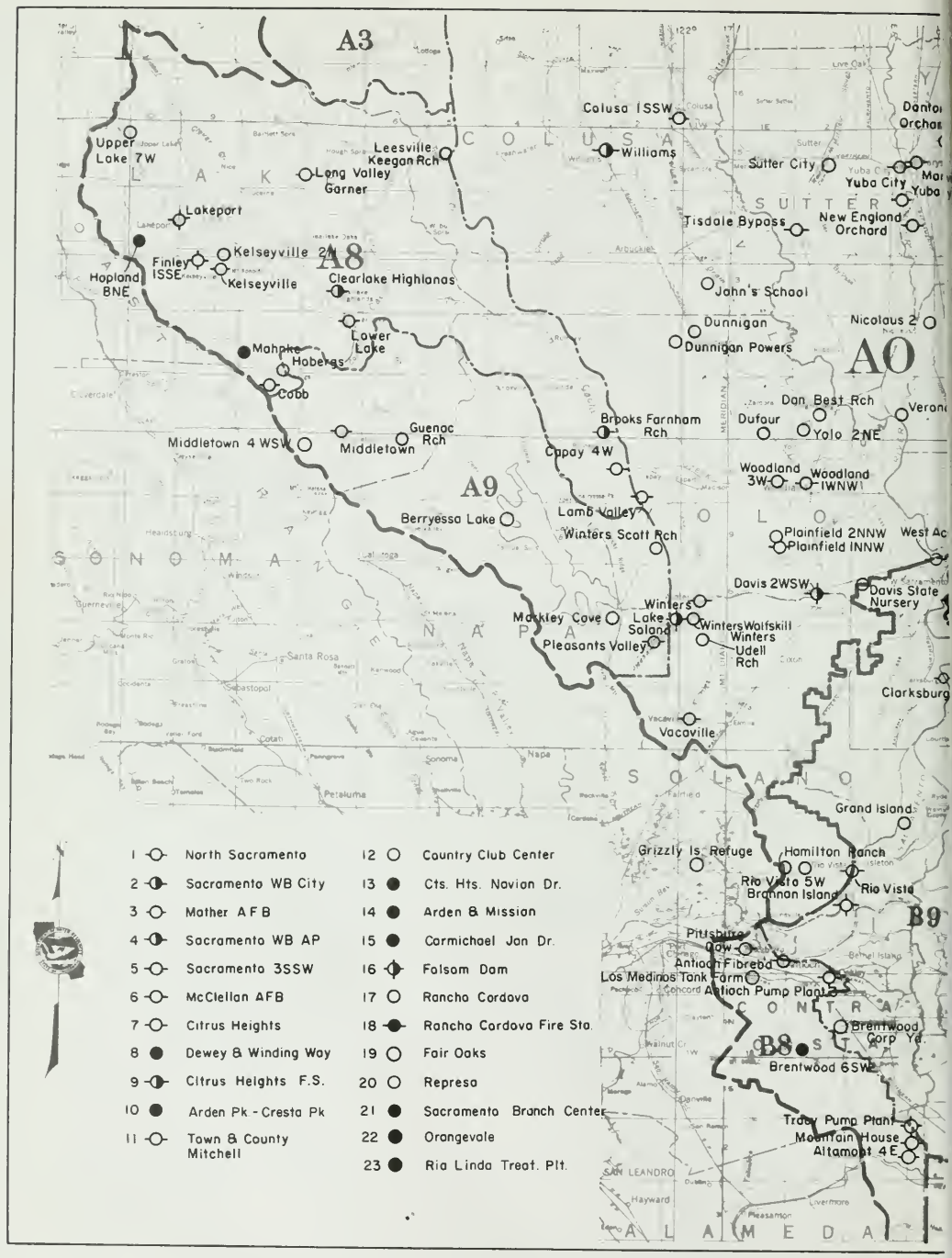


CLIMATOLOGICAL OBSERVATION STATIONS 1975

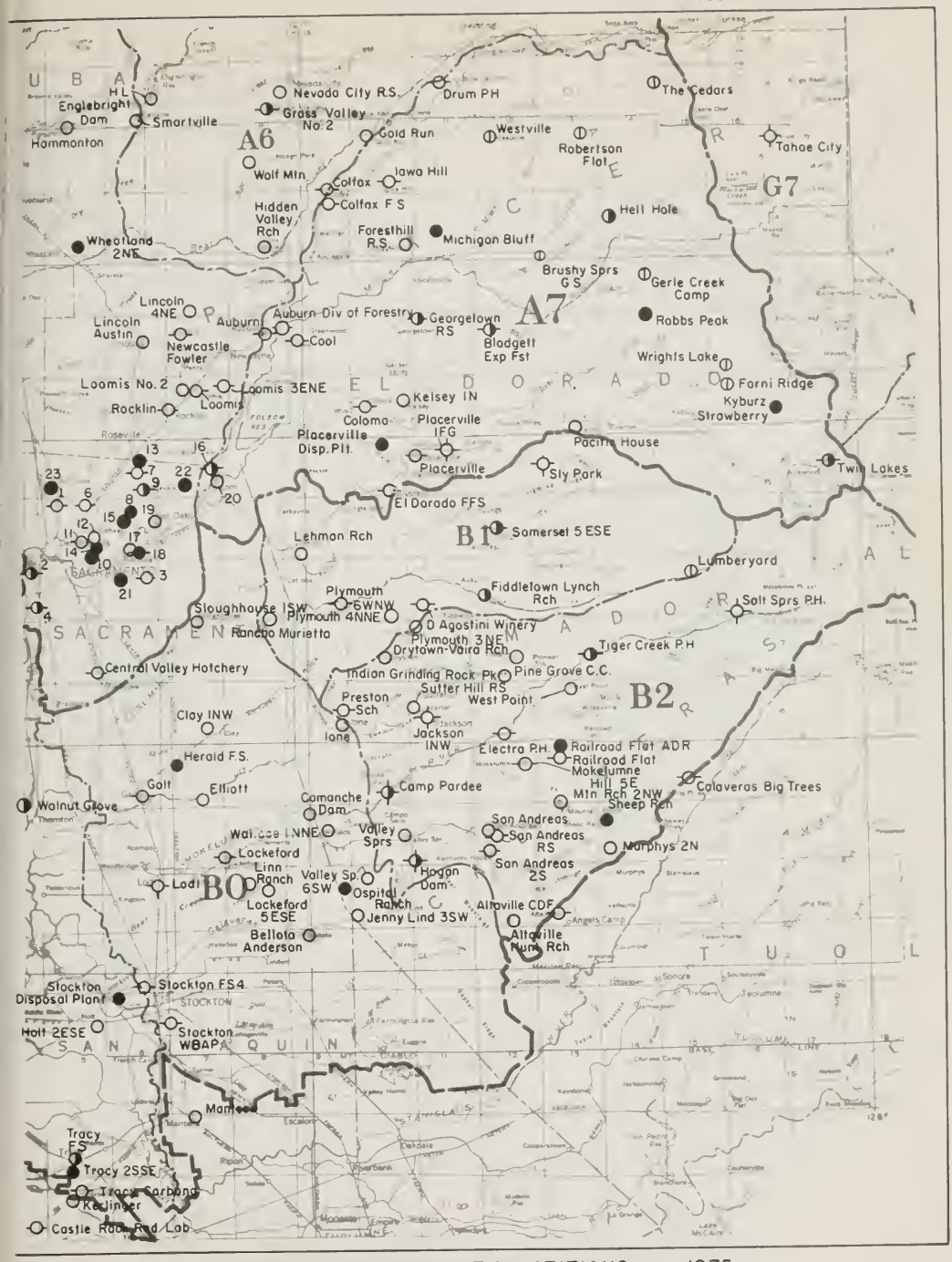


CLIMATOLOGICAL OBSERVATION STATIONS 1975

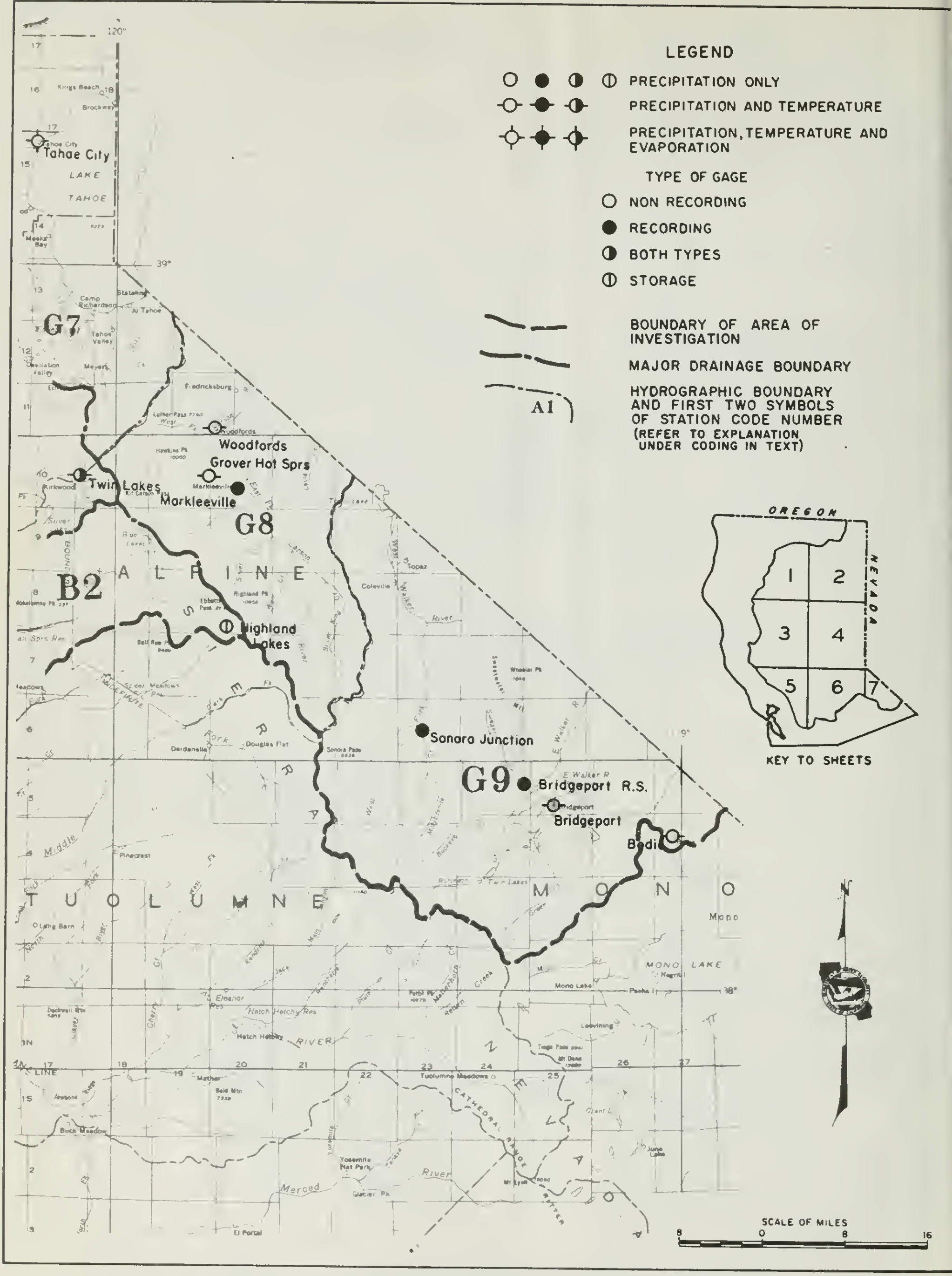
FIGURE A-1 SHEET 5 OF 7



CLIMATOLOGICAL OBSERVATION STATIONS 1975



CLIMATOLOGICAL OBSERVATION STATIONS 1975



CLIMATOLOGICAL OBSERVATION STATIONS 1975

TABLE A-1

PRECIPITATION IN NORTHEASTERN CALIFORNIA
DURING WATER YEAR 1975

This table summarizes monthly precipitation totals for selected stations for the 1975 water year, October 1, 1974, through September 30, 1975. The table shows each station's assigned number in accordance with the explanation given in the introduction to this appendix. Location is shown by latitude and longitude in degrees to the third decimal.

Precipitation values are shown to the nearest hundredth (.01) of an inch. Where digital recording rain gages that record to only the nearest tenth (.1) of an inch are used, a zero is shown in the second decimal place. The following notations are used to qualify the values:

.00-	No record or incomplete record
B	Record began
E	Wholly or partially estimated
N	Record ends
.00T	Trace, an amount too small to measure

The county code for each station is shown below:

Alameda	60	Marin	21	San Mateo	41
Alpine	02	Mariposa	22	Santa Barbara	42
Amador	03	Mendocino	23	Santa Clara	43
Butte	04	Merced	24	Santa Cruz	44
Calaveras	05	Modoc	25	Shasta	45
Colusa	06	Mono	26	Sierra	46
Contra Costa	07	Monterey	27	Siskiyou	47
Del Norte	08	Napa	28	Solano	48
El Dorado	09	Nevada	29	Sonoma	49
Fresno	10	Orange	30	Stanislaus	50
Glenn	11	Placer	31	Sutter	51
Humboldt	12	Plumas	32	Tehama	52
Imperial	13	Riverside	33	Trinity	53
Inyo	14	Sacramento	34	Tulare	54
Kern	15	San Benito	35	Tuolumne	55
Kings	16	San Bernardino	36	Ventura	56
Lake	17	San Diego	90	Yolo	57
Lassen	18	San Francisco	80	Yuba	58
Los Angeles	70	San Joaquin	39		
Madera	20	San Luis Obispo	40	Oregon	61
				Nevada (State)	62
				Arizona	63
				Mexico	64

TABLE A-1 (Cont.)

PRECIPITATION IN NORTHEASTERN CALIFORNIA DURING WATER YEAR 1975

CD	STA NO	LAT	LONG	ELEV	STATION NAME	TOTAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
25	A10002900	41.200	120.950	4193	ADIN RS	15.65	.88	.84	1.87	.56	4.34	1.62	2.63	.06	1.27	.34	1.16	.08
60	B8001460	37.743	121.587	300	ALTAMONT 4E	11.12	.64	.30	1.59	.46	3.04	3.75	.94	.00	.00T	.00	.40	.00
5	B2001490	38.083	122.450	1545	ALTAVILLE CDF	.00-	2.58	2.28	.00-	2.48	6.06	8.36	2.56	.45	.25	.02	1.12	.00
5	B2001500	00.000	000.000	1400	ALTAVILLE MUNT RCH	30.03	2.73	2.13	4.50	1.96	7.19	8.44	2.68	.31	.07	.03	.79	.00
25	A10015600	41.500	120.531	4400	ALTURAS COPCD	10.11	.55	.30	1.63	.80	2.17	1.24	1.89	.20	.28	.42	.57	.06
25	A10015900	41.500	120.400	4900	ALTURAS 7 ESE	14.16	.98	.49	1.85	1.12	2.12	1.33	2.25	.68	1.16	.48	1.32	.38
25	A10016100	41.483	120.533	4365	ALTURAS RS	10.00	.33	.66	1.54	.59	2.47	1.24	1.45	.15	.80	.19	.54	.04
45	A00020000	40.467	122.298	430	ANDERSON FS #2	26.88	2.42	.89	4.02	2.10	8.99	7.26	2.87	.15	.65	.20	1.00	.02
45	A00020110	40.455	122.456	850	ANDERSON 9WNW	36.75	2.14	.87	6.99	1.82	9.38	11.85	2.28	.26	.13	.46	.55	.02
45	A00020130	40.465	122.272	400	ANDERSON STP	.00-	.00-	.00-	.00-	.00-	5.91	7.35	1.35	.00	.00	.00	.00	.00T
7	B9002700	38.013	121.770	28	ANTIOCH FIREBSD MILL	11.64	.76	.26	.94	1.61	3.11	3.97	.84	.00	.00	.09	.06	.00T
7	B8023200	37.983	121.727	6	ANTIOCH PUMP PLANT 3	11.89	.68	.25	1.92	.60	2.84	4.29	.85	.00	.03	.17	.06	.00T
34	A00025534	38.593	121.367	67	ARDEN PARK CRESTA PARK	.00-	1.38	1.05	2.90	1.25	5.81	4.41	1.78	.00	.00-	.00-	.00-	.00-
31	A7003800	38.899	121.068	1292	AUBURN	31.39	1.88	2.32	3.01	3.10	8.99	8.05	2.83	.40	.26	.00T	.65	.00T
31	A7003850	38.903	121.054	1056	AUBURN DIV OF FORESTRY	30.77	1.84	1.98	2.86	2.99	8.76	8.20	2.99	.30	.24	.00	.56	.05
04	A6004810	39.139	121.407	750	BANGOR FIRE STATION	32.91	1.94	2.11	3.12	2.15	12.58	7.95	2.29	.25	.19	.00	.25	.08
45	A00054650	40.400	122.133	420	BATTLE CREEK AOR	27.00	2.20	1.40	4.40	3.50	5.50	4.90	2.60	.70	.40	.40	1.00	.00
28	A9007650	39.551	122.225	460	BERRYESSA LAKE	26.74	.89	.90	4.57	.70	11.25	6.83	1.27	.07	.05	.14	.07	.00
31	A7003100	41.121	121.140	413	BIEBER	.00-	.85	.57	1.07	.00-	.00-	1.91	2.35	.27	.81	.20	.88	.09
52	A3008410	39.808	121.622	14	BLACK BUTTE DAM	16.93	1.64	.45	4.33	.50	5.49	3.35	.05	.00	.00	.89	.23	.00
11	A0008410	39.788	122.303	375	BLACK BUTTE RANCH	21.12	1.68	.82	4.70	.55	5.99	4.98	.90	.05	.00	1.07	.38	.00
49	A7008300	38.909	120.666	4414	BLODGETT EXP FOREST	63.50	3.40	3.30	4.80	8.50	15.60	16.10	8.90	.90	.60	.10	1.20	.10
31	A7008900	39.278	120.707	5280	BLUE CANYON WB AP	66.27	4.36	3.13	4.84	7.50	17.30	16.32	7.45	1.29	.73	.23	3.10	.02
29	G7009310	39.388	120.092	5575	BOCA	23.39	1.03	1.56	1.74	1.58	5.90	6.86	1.69	.29	.51	.00	1.30	.93
26	G9009430	38.912	119.012	8370	BODIE	13.92	1.15	.78	1.28	.81	2.34	3.96	.81	.93	.06	.64	.70	.46
29	A6010800	39.444	120.656	5347	BOWMAN DAM	65.01	3.58	3.40	6.10	7.12	16.66	16.40	6.51	1.70	.88	.25	2.13	.28
34	B9019400	38.108	121.696	35	BRANNAN ISLAND	15.81	1.07	.53	2.46	.81	5.28	4.20	1.17	.00T	.00T	.11	.18	.00T
07	B9010550	37.920	121.678	95	BRENTWOOD CORP YARD	11.29	.61	.35	1.86	.44	2.49	4.48	.76	.00	.03	.13	.14	.00
7	B8010600	37.883	121.774	325	BRENTWOOD 6SW	15.28	.60	.23	1.94	1.47	3.66	5.35	1.71	.00	.06	.09	.17	.00
26	G9010700	38.955	119.227	6470	BRIDGEPORT	12.14	1.18	.50	.98	.25	3.60	2.68	.92	.10	.09	.20	1.04	.60
26	G9010760	38.276	119.288	6560	BRIDGEPORT R 5	.00-	1.10	.42	1.55	.41	.00-	.00-	.00-	.22	.08	.00-	.00-	.83
57	A8011200	38.764	122.155	294	BROOKS FARNHAM RANCH	17.44	.80	.40	2.99	.31	7.20	4.55	.86	.00T	.04	.27	.02	.00T
04	A5011300	39.691	121.338	3560	BRUSH CREEK R 5	60.47	3.33	3.45	6.03	4.86	20.04	13.59	4.82	.85	.54	.48	2.08	.40
45	A1011400	40.866	121.850	3771	BUCKHORN	61.79	2.96	3.27	6.61	4.71	15.91	14.41	7.50	.82	1.28	.58	1.74	.00
32	A5011590	39.911	121.326	1760	BUCKS CREEK PH	63.34	1.84	3.64	6.85	5.15	20.14	16.62	5.53	.74	.70	.09	1.85	.19
45	A1012140	40.883	121.666	3127	BURNEY	21.30	1.14	1.34	3.68	.86	6.34	2.92	2.89	.14	.81	.37	.69	.12
5	B2012770	38.277	120.368	4696	CALAVERAS BIG TREES	60.48	4.77	3.04	5.44	5.84	15.50	15.05	7.82	.77	.45	.14	1.46	.20
5	B2012860	38.250	120.843	650	CAMP PARDEE	20.29	1.66	1.42	1.77	1.33	4.58	5.89	2.10	.09	.04	.09	1.31	.01
58	A6014620	39.451	121.048	2755	CAMPTONVILLE R 5	.00-	2.90	2.70	3.50	6.70	.00-14.00		.00-	.00-	.80	.20	1.50	.10
25	A1014760	41.450	120.866	4312	CANBY RS	13.19	.39	.36	2.03	.68	3.31	1.81	2.49	.20	.49	.20	1.07	.16
32	A5014900	40.171	121.086	4555	CANYON DAM	41.34	1.72	2.32	3.97	2.22	13.01	11.46	3.88	.82	.63	.07	1.45	.19
57	A8015000	38.705	122.116	300	CAPAY 4W	24.99	.84	.54	3.83	.32	11.25	7.05	.73	.00	.04	.31	.08	.00
32	A5015200	40.086	121.147	2986	CARIBOU PH	40.85	1.70	2.32	4.47	2.05	12.71	11.28	3.51	.71	.70	.10	1.05	.25
34	A0015430	38.646	121.317	135	CARMICHAEL JAN DRIVE	.00-	1.36	1.24	2.78	1.35	5.81	4.42	1.37	.00	.00-	.00-	.00-	.00-
39	B8015830	37.634	121.505	515	CASTLE ROCK PADIATION	12.55	.83	.73	1.99	.59	2.61	3.52	1.23	.00	.00	.04	.95	.07
25	G1016100	41.528	120.173	4671	CEDARVILLE	12.55	.49	.55	1.53	1.47	2.24	1.34	1.31	.58	.67	1.32	1.02	.03
25	G1016145	41.439	120.097	4451	CEDARVILLE HANSEN	.00-	.00	.34	.82	.64	1.13	1.11	.80	.34	.45	.00-	.00-	.00-
45	A0016301	40.476	122.365	765	CENTRAL VALLEY BURNS	54.64	2.65	1.84	7.27	2.99	16.55	16.88	4.36	.23	.48	.65	.74	.00
34	B0016350	38.416	121.366	38	CENTRAL VALLEY HATCHER	18.30	1.21	1.51	2.38	.51	6.12	4.66	1.33	.00	.02	.07	.49	.00T
58	A6016530	39.483	121.222	2560	CHALLENGE R 5	62.12	2.35	3.50	3.00	4.68	21.76	18.09	6.52	.82	.51	.13	.59	.17
04	A5016930	39.635	121.526	1355	CHEROKEE	43.46	2.08	2.56	4.65	2.82	14.79	11.19	3.80	.37	.21	.17	.62	.20
32	A5017000	40.005	121.227	4525	CHESTER	32.04	1.20	1.07	3.00	2.38	11.99	7.51	2.39	.01	.41	.15	1.52	.41
04	A0017150	39.700	121.783	205	CHICO EXPERIMENT STA	23.93	2.09	1.33	4.36	1.29	7.68	5.39	1.18	.02	.00	.15	.38	.04
04	A0017160	39.798	121.853	220	CHICO AIRPORT	25.85	1.67	1.18	5.34	1.59	7.67	6.52	.78	.00T	.03	.70	.34	.03
34	A0017730	38.707	121.296	138	CITRUS HEIGHTS	21.19	1.25	1.45	3.25	1.65	6.53	4.94	1.65	.02	.08	.00	.29	.08
34	A0017730	38.705	121.308	140	CITRUS HTS NAVION DRIV	.00-	1.38	1.49	3.05	2.11	7.65	4.80	1.52	.00	.00-	.00-	.00-	.00-
57	B9017840	38.416	121.533	14	CLARKSBURG	.00-	1.07	1.22	3.24	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-
11	A0017850	39.548	122.398	41	CLARKS VALLY MUDD	18.20	1.14	.06	4.30	.23	6.20	5.12	.60	.00	.00	.38	.17	.00
17	A8018060	38.966	122.650	1320	CLEARLAKE HGHLDS	25.82	1.21	.73	4.53	1.28	8.86	7.64	1.15	.00T	.04	.19	.19	.00T
17	A8018800	38.824	122.721	2520	COBB	69.30	2.23	3.44	11.49	2.21	26.06	19.84	3.51	.15	.03	.18	.16	.00
04	A0018910	39.944	121.719	3180	COMASSET 1 NNE	55.42	3.02	3.05	7.13	2.17	16.53	16.47	4.84	.18	.43	.59	1.01	.00T
45	A0019070	40.400	122.133	420	COLEMAN FISH HATCHERY	25.94	2.74	1.47	4.44	1.84	7.21	4.89	2.17	.00	.43	.21	.54	.00
31	A7019200	39.098	120.952	2418	COLFAX	48.21	3.11	2.59	4.28	4.51	13.79	12.15	4.83	.61	.60	.04	1.68	.02
31	A7019201	39.092	120.946	2350	COLFAX FIRE STATION	.00-	2.04	2.70	4.20	3.94	.00-11.29		3.68	.53	.59	.03	.00-	.04
58	A6019160	39.930	121.188	585	COLGATE POWER HOUSE	38.41	1.89	2.20	2.96	4.38	12.81	9.52	3.32	.24	.31	.07	.69	.02
09	A7019220	38.801	120.891	770	COLOMA	29.79	2.60	2.49	2.57	2.34	8.59	7.09	2.87	.39	.10	.02	.73	.00T
06	A0019480	39.200	122.016	60	COLUSA 1 SSW	15.58	1.25	.35	3.59	.62	5.10	3.99	.52	.02	.00T	.12	.00T	.02
09	A7019850	38.883	121.016	1525	COOL	31.05	2.19	2.19	2.28	3.29	8.67	7.84	3.38	.40	.18	.00	.63	.00
52	A0020230	39.900	122.194	270	CORNING UHL	22.45	1.98	1.17	4.33	1.20	5.38	4.92	1.94	.07	.00	1.02	.44	.00T
52	A0020270	39.900	122.366	487	CORNING HOUGHTON RCH	22.82	2.02	.63	5.16	.50	6.19	6.37	.97	.00	.00	.71	.33	.00
45	A0020700	40.376	122.408	475	COTTONWOOD TW	31.05	1.87	.85	4.45	1.70	8.86	9.23	2.35	.14	.00T	.28	1.31	.01
34	A0027334	38.640	121.388	56	COUNTRY CLUB CENTRE	18.49	1.37	.80	3.11	1.12	5.16	4.66	1.87	.00T	.00	.04	.31	.05
45	A1020850	41.921	120.519	4900	COVE RANCH	16.27	.79	.62	2.61	2.04	3.17	2.68	1.96	.97	.00	.36	.37	.40
3	B1022520	38.531	120.773	1820	D AGOSTINI WINERY	34.42	1.82	2.64	2.45	2.78	9.97	8.42	4.11	.46	.14	.02	1.43	.18
45	A1022690	41.094	121.516	3320	DANA 2 SE	28.98	1.63	1.47	3.97	1.26	9.56	5.87	3.14	.24	.66	.39	.79	.00T
45	A4022830	40.431	121.994	975	DARRAH FISH HATCHERY	27.37	2.31	1.36	3.93	2.04	9.03	4.60	2.48	.39	.50	.54	.18	.01
57	A0022940	38.534	121.774	60	DAVIS 2WSW	16.37	.81	1.06	3.43	.23	6.21	4.08	.43	.00	.00T	.08	.04	.00
57	A0022940	38.554	121.679	29	DAVIS STATE NURSERY	17.37	1.05	.62	3.42	.20	6.42	4.52	.59	.01	.00T	.02	.52	.00
25	A1023060	41.215	121.388	3650	DAY	23.24	1.46	.74	3.13	2.07	6.09	4.66	3.44	.20	.67	.33	.45	.00
29	A6023380	39.293	120.824	4455	DEER CREEK FOREBAY	67.73	3.30	3.15	3.99	4.47	22.55	15.83	9.21	1.50	.74	.13	2.83	.03
04	A0024020	39.866	121.616	2700	DE SABLA	65.07	2.59	3.65	9.96	3.99	19.76	17.01	5.37	.32	.61	.34	1.41	.06
58	A6024560	39.766	121.200	1640	DOBBINS 1 S	49.99	2.46	2.44	3.29	6.44	15.86	12.98	5.00	.47	.28	.16	.61	.00T
29	G7024670	39.322	120.231	5937	DONNER MEM ST PARK	42.71	1.32	2.91	3.83	3.21	12.30	10.81	4.64	1.34	.70	.03	1.20	.42
46	A6025000	39.658	120.829	2895	DOWNIEVILLE R 5	58.08	2.60	3.35	6.22	4.10	17.33	13.08	6.30	1.21	.73	.14	1.40	1.62
16	G6025040	40.028	120.103	4240	DOYLE	11.16	.55	.81	1.62	.45	2.51	1.70	.68	.05	.60	.15	.92	1.12
18	G6025060	39.950	120.083	4385	DOYLE 5SSE	19.25	1.39	1.15	2.45	1.37	4.64	3.31	1.09	.34	1.06	.08	1.42	.95
31	A6025140	39.257	120.766	3412	DRUM PH	.00-	4.56	3.43	6.13	6.39	19.19	16.45	6.70	1.44	.53	.17	.00-	.01
3	B1025180	38.446	120.859	740	DRYTOWN-VAIRA RANCH	.00-	.00-	2.17	2.27	1.85	7.30	6.70	3.25	.00-	.00-	.00-	1.00	.00-
57	A0025430	38.763	121.839	65	DUFOUR	18.93	1.18	.53	3.31	1.21	6.22	5.40	.85	.03	.06	.10	.04	.00T

PRECIPITATION IN NORTHEASTERN CALIFORNIA DURING WATER YEAR 1975

CO	STA NO	LAT	LONG	ELEV	STATION NAME	TOTAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
57	A00256800	38.885	121.965	65	DUNNIGAN	22.65	1.29	.51	3.84	1.58	9.43	5.07	.80	.01	.01	.14	.17	.00
57	A00256900	38.887	121.988	104	DUNNIGAN POWERS RCH	16.19	1.07	.28	3.93	1.64	4.47	3.80	.63	.00T	.03	.12	.22	.00T
47	A20257200	41.216	122.266	2420	DUNSMUIR R S	54.16	2.16	3.96	6.50	3.28	15.44	18.13	3.37	.03	.50	.34	.42	.03
04	A00257601	39.643	121.798	155	DURHAM FIRE STATION	24.82	1.75	1.44	4.12	1.13	8.12	5.97	1.75	.01	.03	.14	.32	.04
18	G30259502	40.651	120.772	5121	EAGLE LAKE NELSON	15.72	.74	.82	1.16	.42	6.02	2.67	2.07	.19	.27	.36	.77	.24
06	A30264000	39.366	122.516	1205	EAST PARK RESERVOIR	19.08	.74	.23	4.18	.42	6.90	5.37	.85	.00	.00	.20	.19	.00T
09	A70272000	38.679	120.868	1550	EL DORADO FFS	31.71	2.48	2.27	2.60	3.10	8.86	7.48	3.28	.40	.17	.00T	1.05	.02
3	B20272800	38.319	120.669	715	ELECTRA PH	30.48	2.48	1.87	2.41	2.71	6.96	9.43	2.76	.29	.16	.13	1.38	.00
39	B00276000	38.236	121.193	92	ELLIOTT	18.51	1.41	1.23	2.31	.96	6.23	4.23	1.41	.01	.02	.08	.62	.00T
34	A00294800	38.642	121.270	180	FAIR OAKS	21.77	1.20	1.80	1.47	.88	7.79	5.57	1.96	.00T	.44	.03	.63	.00
04	A50299400	39.593	121.258	2965	FEATHER FALLS	.00-	3.30	2.60	4.49	3.90	.00-	.00-	.00-	.00-	.00	.00-	.00-	.00-
52	A00302000	40.350	122.450	800	FERGUSON RANCH	45.90	2.70	1.30	8.80	4.30	9.70	13.90	2.90	.20	.00	.40	1.70	.00
3	B10303800	38.525	120.700	2140	FIDDLETOWN LYNCH RCH	40.16	2.70	2.86	3.35	3.47	10.94	10.88	3.94	.60	.21	.08	1.07	.06
17	A80305600	38.982	122.874	1377	FINLEY 1 SSE	28.99	.99	1.28	3.84	1.37	10.95	8.75	1.34	.10	.04	.14	.19	.00
18	G40308700	40.352	120.303	4000	FLEMING FISH + GAME	10.48	.74	.43	1.14	.12	2.55	1.63	.81	.08	.25	.16	1.99	.58
34	A70311300	38.706	121.161	350	FOLSOM DAM	22.45	1.54	1.69	2.55	1.07	6.91	5.91	2.00	.10	.11	.02	.53	.02
04	A50312700	39.528	121.281	2900	FORBESTOWN	59.75	2.76	3.61	3.79	4.60	20.34	15.37	6.38	1.19	.58	.18	.75	.00
31	A70313400	39.020	120.824	3190	FORESTHILL R S	47.90	3.79	3.20	3.48	5.38	12.72	11.97	4.90	.83	.46	.03	1.08	.06
25	G10315700	41.850	120.133	4498	FORT BIDWELL	15.56	.49	.58	2.33	1.74	3.52	1.98	1.66	.47	.60	1.23	.66	.30
45	A70324200	40.700	122.633	1100	FRENCH GULCH	44.52	1.83	3.38	7.75	3.54	8.13	16.97	2.04	.05	.13	.38	.32	.00
34	B00330100	38.253	121.303	47	GALT	14.42	.97	.63	2.15	.55	4.46	3.95	.88	.00	.37	.11	.35	.00
09	A70338400	38.924	120.788	3001	GEORGETOWN R S	51.48	4.54	3.46	3.11	5.86	14.50	11.67	6.13	.74	.28	.00T	1.17	.02
52	A00338510	40.044	122.205	250	GERBER 15W	24.16	1.21	2.40	4.40	.91	7.36	5.00	2.06	.04	.00	.49	.29	.00
45	A20340500	41.010	122.406	1435	GIBSON HMS	77.58	3.20	8.72	10.11	3.91	17.41	27.86	3.87	.17	.18	1.57	.58	.00
11	A00346000	39.789	122.050	160	GLENN COLUSA HOGATE	18.85	1.61	1.07	4.47	.58	4.92	5.01	.59	.00	.00	.38	.21	.01
31	A70349100	39.172	120.866	3320	GOLD RUN	54.47	3.46	2.85	4.91	5.70	14.73	14.20	5.44	.84	.57	.07	1.66	.04
34	B90354100	38.193	121.615		GRAND ISLAND	.00-	1.40	.52	2.20	.63	5.33	4.15	.61	.00-	.00-	.00-	.11	.00-
29	A60357300	39.208	121.067	2400	GRASS VALLY NO2	50.15	2.40	2.94	4.41	4.75	16.41	11.57	5.25	.59	.53	.09	1.19	.02
32	A50362100	40.140	120.940	3560	GREENVILLE RS	38.18	1.61	2.10	3.57	1.67	11.96	10.35	3.16	.67	1.02	.08	1.50	.49
04	A00364000	39.366	121.694	90	GRIDLEY BUTTE W O	22.84	1.70	1.70	3.43	.54	8.82	5.29	.87	.08	.01	.09	.28	.03
48	B90365000	38.150	121.966	1	GRIZZLY ISLAND REFUGE	15.76	.91	.34	2.12	1.11	5.00	4.54	1.48	.00	.08	.15	.03	.00
02	G80367500	38.695	119.824	5800	GROVER HOT SPRINGS	30.26	1.43	2.16	3.20	2.43	8.22	6.49	3.67	1.00	.89	.00	.67	.10
17	A90368400	39.741	120.513	1200	GUENOC RANCH	47.16	2.24	1.88	8.63	2.39	16.18	12.94	2.62	.05	.00	.15	.08	.00
32	A50372500	40.268	121.086	4560	HAMILTON BRANCH PH	.00-	1.37	1.87	2.81	3.06	8.48	7.68	3.35	.24	.70	.20	.00-	.00-
58	A00374000	39.193	121.427	131	HAMMONTON	23.55	1.50	1.70	2.48	1.00	8.96	5.55	1.60	.13	.27	.07	.26	.03
45	A30379100	40.366	122.968	2710	HARRISON GULCH R S	36.59	2.25	1.43	4.12	3.40	11.07	11.15	2.64	.08	.11	.20	.14	.00T
29	A60380000	39.239	121.266	580	H L ENGLEBRIGHT DAM	31.18	1.75	2.19	3.35	1.83	12.25	6.47	2.49	.19	.20	.09	.37	.00T
45	A10382400	40.933	121.550	3015	HAT CREEK PH NO 1	18.07	1.12	.98	2.39	.89	5.67	2.40	2.67	.17	.73	.44	.57	.04
31	A70389100	39.056	120.414	4850	HELL HOLE	.00-	2.70	2.70	4.20	.00-	.00-	.00-	.00-	.00-	.70	.10	2.00	.00
34	B00391900	38.296	121.242	70	HERALD FIRE STATION	.00-	1.16	.66	1.20	.52	4.54	4.92	1.60	.00	.00-	.00-	.00-	.00-
18	G60392200	40.150	120.100	4083	HERLONG S D D	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.14	.01	.51	.15	1.45	1.09
29	A60394600	39.026	121.093	1480	HIDDEN VALLEY RANCH	34.92	2.48	2.30	3.90	2.97	10.17	9.22	3.19	.35	.10	.03	1.16	.05
5	B20401800	38.150	120.819	554	HOGAN DAM	.00-	1.34	1.68	2.21	1.18	4.31	6.95	.00-	.06	.03	.06	1.19	.04
5	B20401801	38.155	120.813	749	HOGAN DAM	18.48	1.42	1.46	1.92	.60	3.70	6.18	1.74	.06	.02	.06	1.25	.07
39	B90404100	37.928	121.391		HOLT 2 ESE	.00-	.88	.37	2.24	.76	3.11	3.13	.89	.00-	.00-	.00-	.00-	.00-
04	A00407500	39.327	121.526	113	HONCUT	.00-	1.54	1.84	2.74	.63	9.48	4.79	1.00	.17	.13	.07	.18	.00-
17	A80409700	39.016	123.000	2510	HOPLAND 8NE	.00-	1.88	2.25	5.54	.00-	.00-	.00-	2.37	.10	.11	.20	.41	.00
45	A30421900	40.501	122.569	1090	IGO 2W	44.28	2.69	1.26	6.78	2.88	11.93	13.50	3.13	.18	.00	1.41	.48	.04
03	B10424550	38.422	120.638	2490	INDIAN GRINDING ROCK PK	38.61	4.06	.74	2.10	3.32	9.32	12.77	4.03	.52	.23	.14	1.38	.00T
03	B00428300	38.348	120.938	284	IONE	27.90	1.72	2.90	2.53	1.57	8.47	6.56	3.03	.03	.00T	.03	1.06	.00
31	A70428800	39.088	120.839	3056	IOWA HILL	48.73	3.25	2.91	4.59	4.70	13.47	11.21	5.21	1.15	.54	.04	1.64	.02
3	B20432100	38.360	120.789	1550	JACKSON 1 NW	26.05	2.06	1.86	2.05	2.20	6.64	6.64	3.01	.25	.02	.08	1.24	.00
52	A00434600	40.329	122.203	355	JELLY	27.75	2.22	1.40	4.64	1.88	7.30	4.94	2.65	.53	.40	.37	1.42	.00
5	B00435200	38.075	120.911	235	JENNY LIND 3SW	18.53	1.81	1.65	2.05	.77	3.86	5.35	1.92	.00T	.03	.03	1.05	.01
25	A10437400	41.265	120.379	5290	JESS VALLEY	21.82	1.11	.63	3.89	2.19	4.02	2.58	2.61	.47	1.82	1.04	1.33	.13
06	A00439000	38.956	121.969	60	JOHNS SCHOOL	17.83	1.27	.47	4.03	.25	5.82	4.69	.76	.05	.07	.15	.26	.00T
09	A70448400	38.816	120.816	2000	KELSEY IN	32.56	2.54	2.81	2.57	2.77	8.40	7.39	3.86	.55	.30	.04	1.31	.02
17	A80448800	38.975	122.831	1385	KELSEYVILLE	.00-	1.47	.82	2.28	1.20	10.21	.00-	.00-	.00-	.00-	.00-	.00-	.00-
17	A80449101	39.001	122.834	1345	KELSEYVILLE 2 N	26.08	1.52	.83	3.48	2.15	8.43	8.30	1.10	.00	.03	.00	.24	.00
39	B80450800	37.676	121.432	172	KERLINGER	8.55	.57	.75	1.35	.24	1.66	2.53	1.07	.00	.00T	.03	.85	.00T
45	A40454400	41.019	121.871	2650	KILAHC PH	41.62	2.52	2.17	4.50	2.93	10.10	8.13	5.56	.89	.78	.98	2.88	.18
09	A70461600	38.795	120.145	5700	KYBURZ STRAWBERRY	.00-	2.23	3.18	4.21	.00-	11.41	10.23	.00-	.00-	.64	.00-	2.39	.23
17	A80470100	39.033	122.916	1343	LAKEPORT	31.18	1.53	1.15	3.90	2.30	9.25	9.62	2.88	.03	.02	.17	.33	.00
57	A00471200	38.492	122.502	180	LAKE SOLANO	22.73	1.18	.51	4.67	1.78	6.82	6.93	.67	.00	.00	.07	.10	.00
29	A60471300	39.318	120.637	5156	LAKE SPAULDING	70.73	3.47	3.46	5.70	6.09	20.52	17.47	8.68	1.93	.92	.20	2.29	.00T
04	A50472200	39.763	121.521	2040	LAKE WILENOR	.00-	2.68	3.50	6.09	5.19	15.58	16.88	6.43	.47	.69	.62	1.55	.00-
57	A00473000	38.675	122.072	365	LAMB VALLEY	30.11	1.35	.89	5.95	.40	10.80	8.72	1.50	.00T	.00	.40	.10	.00
32	A50477300	39.682	120.982	4975	LA PORTE	.00-	.00-	.00-	.00-	.00-	21.28	23.40	10.59	1.84	.00-	.00-	.00-	.70
06	A80488000	39.153	122.436	1330	LEESVILLE KEEGAN RANCH	24.55	.93	.34	3.86	.75	8.91	7.44	1.19	.00	.00	.25	.88	.00
9	B10488600	38.591	121.011	600	LEHMAN RCH	25.42	1.76	1.88	2.50	2.13	7.17	5.70	2.60	.16	.08	.08	1.36	.00T
31	A00494700	38.892	121.294	160	LINCOLN AUSTIN	.00-	1.60	1.82	3.80	1.24	7.54	5.44	2.01	.00-	.08	.00-	.55	.02
31	A00494706	38.930	121.247	285	LINCOLN 4 NE	22.98	1.55	1.79	3.63	1.22	6.82	5.43	1.79	.04	.07	.02	.62	.00
39	B00496000	38.132	121.102	120	LINN RANCH	16.51	1.31	.85	1.93	.76	5.75	3.87	1.24	.00	.00	.06	.74	.00T
51	A00499002	39.201	121.717	70	LIVE OAK 6 SSW	22.01	2.08	1.69	3.10	.55	8.50	5.22	.64	.00	.02	.05	.12	.04
51	A00499004	39.253	121.644	75	LIVE OAK 2 SE	21.32	1.44	1.70	2.97	.52	8.83	4.44	.93	.11	.10	.10	.18	.00T
39	B00501000	38.162	121.148	106	LOCKEFORD	16.60	1.17	.78	2.10	.95	5.76	4.17	1.03	.00	.03	.04	.55	.02
39	B00501200	38.147	121.066	190	LOCKEFORD 5 ESE	17.98	1.38	1.16	2.18	.82	5.71	4.25	1.52	.00	.03	.05	.89	.00T
39	B00503200	38.116	121.288	38	LODI	16.96	.98	1.14	2.70	.93	5.44	3.88	1.24	.00	.04	.11	.50	.00T
58	A00506001	39.307	121.415	375	LOMA RICA	25.98	1.65	1.49	2.44	1.10	11.48	5.17	1.82	.21	.09	.03	.47	.03
00	A80508717	39.093	122.678	1318	LONG VALLEY GARNER WM	34.02	1.51	.99	4.39	2.62	12.53	9.96	1.53	.00	.02	.10	.37	.00
25	A10509300	41.200	121.200	4180	LOOKOUT 3 WSW	19.87	.96	.61	2.22	1.01	6.09	2.67	3.31	.22	.75	.77	.90	.36
25	A10509500	41.352	121.144	4500	LOOKOUT 5HAW	19.66	1.30	.73	1.79	.94	5.64	3.05	3.37	.17	1.10	.26	1.24	.07
31	A00509600	38.818	121.194	400	LOOMIS	24.63	1.42	1.65	3.25	1.23	7.61	6.46	2.54	.11	.00T	.03	.33	.00T
31	A00509701	00.000	000.000		LOOMIS NO2	21.82	1.24	1.99	2.02	.99	6.53	6.79	1.50	.12	.08	.03	.53	.00
31	A00509731	38.833	121.135	680	LOOMIS 3 ENE	27.50	1.80	1.98	2.89	1.62	8.31	7.21	2.67	.28	.18	.03	.51	.02
07	B80513050	37.997	121.855	130	LOS MEDINOS TANK FARM	13.58	.80	.16	2.38	1.51	2.72	4.54	1.34	.01	.00	.11	.01	.00
52	A00513200	40.063	122.100	245	LOS MOLINOS 3 N	25.07	2.10	1.55	4.85	.95	8.38	5.53	.93	.00	.00	.48	.30	.00
52	A00513400	40.100	122.100	255	LOS MOLINOS 6 N	25.99	2.24	1.53	4.74	1.99	7.05	5.38	2.14	.02	.04	.34	.42	.00T

TABLE A-1 (Cont.)

PRECIPITATION IN NORTHEASTERN CALIFORNIA DURING WATER YEAR 1975

CO	STA NO	LAT	LONG	ELEV	STATION NAME	TOTAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
04	A005223C0	39.708	121.896	145	M AND T RANCH	22.87	2.27	1.10	4.46	.87	7.74	5.12	.06	.00T	.00T	.27	.38	.00
18	G2052300	41.055	120.471	5231	MADELINE MMS	.00-	.85	.34	1.30	.61	3.42	.00-	.00-	.00-	.00-	.00-	.00-	.00-
17	A0852500	38.850	122.783	2380	MAHNKE	45.60	1.72	2.05	6.11	4.36	13.48	14.95	2.47	.15	.05	.15	.11	.00
52	A0652900	40.436	121.766	3250	MANTON 6 E	40.29	2.39	2.38	4.84	2.46	10.99	7.11	5.36	.47	.64	1.04	2.49	.12
39	B00530300	37.800	121.200	40	MANTECA	12.01	.98	.51	2.05	.77	2.85	3.17	.92	.00	.01	.02	.73	.00T
45	A0453110	40.533	121.566	5850	MANZANITA LAKE	32.96	1.99	1.72	2.30	1.97	7.92	5.06	5.49	1.13	.87	.99	2.43	.29
51	A00531110	39.334	121.682	87	MANZANITA FS	23.40	1.71	1.56	3.95	.55	8.87	5.58	.76	.05	.01	.06	.26	.04
02	G0535600	38.692	119.782	5560	MARKLEEVILLE	.00-	1.60	1.64	3.96	.00-	.00-	.00-	.00-	.00-	.47	.00-	.34	.41
28	A0953600	38.500	122.116	480	MARKLEY COVE	30.31	.88	.85	5.56	4.44	12.60	8.56	1.09	.00	.03	.16	.14	.00
58	A00538500	39.146	121.584	60	MARYSVILLE	22.37	1.67	1.64	2.85	.73	9.48	4.59	.88	.12	.14	.05	.17	.05
34	A00540300	38.566	121.300	90	MATHER A F 8	19.21	1.41	1.24	2.55	1.16	5.43	4.55	1.69	.02	.05	.04	1.01	.06
06	A00540901	39.276	122.186	91	MAXWELL	13.55	1.03	.32	3.13	1.44	3.02	3.72	.39	.00T	.00	.26	.20	.04
45	A10543000	41.012	121.650	2950	MCARTHUR-BURNEY FALLS	28.83	1.43	1.23	2.34	1.43	10.32	6.05	3.83	.01	.84	.42	.71	.22
34	A00544700	38.660	121.391	70	MC CLELLAN AFB	23.12	1.28	1.47	3.74	1.45	7.18	5.33	1.68	.00T	.01	.01	.50	.00T
47	A2054400	41.266	122.133	3300	MC CLOUD	50.38	2.09	3.08	7.33	2.63	15.49	14.58	3.33	.03	.95	.49	.35	.03
31	A7055800	39.044	120.740	3650	MICHIGAN BLUFF	.00-	2.97	2.57	3.13	5.07	9.68	10.08	4.95	.49	.00-	.00-	1.80	.00
17	A9055980	38.748	122.617	1122	MIDDLETOWN	.00-	1.20	1.95	6.28	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-
17	A9055900	38.737	122.674	1785	MIDDLETOWN 4 WSW	.00-	.00-	.00-	.00-	3.57	27.33	23.77	4.56	.29	.00T	.18	.00T	.00
18	G6056210	40.174	120.363	4140	MILFORD	16.29	.64	1.41	1.99	.44	5.60	2.51	.93	.00	.36	.12	1.78	.51
18	G6056200	40.133	120.350	4860	MILFORD LAUFMAN R S	21.46	1.17	1.39	2.61	1.41	6.54	3.47	1.53	.21	.37	.10	1.53	1.13
52	A0567900	40.350	121.600	4910	MINERAL	52.91	2.15	2.92	4.98	2.72	16.48	10.40	8.83	1.06	.25	.55	2.23	.34
32	A5057500	39.786	120.632	4370	MOHAWK R S	29.68	1.24	2.06	2.30	1.39	8.49	8.12	2.85	1.10	.65	.00	1.02	.46
5	B2057630	38.295	120.615	1920	MOKELUMNE MILL SE	33.63	2.32	1.97	3.67	2.62	7.93	9.62	3.13	.46	.24	.27	1.40	.00T
60	B9058400	37.750	121.583	200	MOUNTAIN HOUSE	11.58	.65	.29	1.89	.45	3.07	3.72	.93	.00	.02	.16	.40	.00
5	B2058920	38.250	120.567	2200	MOUNTAIN RANCH 2 NW	.00-	1.74	1.96	3.68	3.88	7.98	9.51	4.53	.55	.10	.00-	.90	.00T
47	A2058300	41.316	122.316	3540	MOUNT SHASTA CITY	33.81	1.52	3.01	5.76	2.79	8.32	9.83	1.51	.09	.53	.12	.33	.00T
5	B2060300	38.165	120.469	188	MURPHYS 2 N	.00-	3.86	2.79	4.52	2.77	8.93	10.78	3.86	.44	.19	.00-	1.20	.00-
04	A00613000	39.550	121.783	120	NELSON WESTERN CAMP	24.33	1.62	1.64	3.76	1.30	8.41	5.52	1.53	.01	.05	.12	.32	.05
29	A6061300	39.258	121.010	2520	NEVADA CITY	54.61	2.92	2.74	5.75	3.88	18.16	12.53	6.12	.72	.38	.05	1.34	.02
29	A6061329	39.248	121.028	2710	NEVADA CITY R S	.00-	2.54	2.92	3.07	3.75	11.39	10.69	4.36	.62	.25	.20	.00-	.00-
31	A0061540	38.891	121.219	250	NEWCASTLE FOWLER	24.73	1.34	1.99	3.58	1.30	7.66	5.88	2.16	.10	.08	.00	.61	.03
51	A0061570	39.061	121.588	50	NEW ENGLAND ORCHARD	21.13	1.54	1.53	2.81	.59	8.70	4.58	1.09	.04	.08	.02	.14	.01
31	A0061940	38.924	121.543	43	NICOLAUS 2	19.92	1.16	1.22	3.16	.64	7.85	4.90	.78	.00T	.05	.04	.12	.00T
04	A0062160	39.805	121.906	180	NORD	24.08	1.92	.93	4.65	1.26	6.97	5.95	.88	.00	.00	.85	.27	.40
19	A6062320	39.367	120.898	3280	NORTH BLUMFIELD	.00-	2.70	2.70	6.20	6.10	12.00	.00-	.00-	.00-	.00-	.00-	.00-	.20
29	A6062740	39.370	121.101	2080	NORTH SAN JUAN	47.81	2.17	2.49	3.20	5.61	14.24	12.10	4.90	.84	.86	.14	1.17	.09
58	A6062780	39.419	121.064	1815	NORTH SAN JUAN 4NE	53.11	1.84	3.09	3.34	5.68	17.32	13.62	5.34	.53	1.16	.20	.82	.15
45	A1064500	40.674	121.431	4360	OLD STATION	22.72	1.02	1.62	2.42	1.41	5.94	3.80	2.97	.49	.92	.17	1.63	.33
45	A3064550	40.483	122.616	980	ONO	37.01	.47	.71	5.74	2.55	10.30	12.87	2.89	.09	.00T	1.20	.20	.00T
34	A00648134	38.686	121.218	235	ORANGEVALE	.00-	1.49	1.14	2.39	1.22	5.47	4.76	1.29	.00	.00-	.00-	.00-	.00-
11	A0065050	39.816	122.328	312	ORLAND FRENCH RANCH	17.45	1.38	.78	4.09	.26	5.53	4.22	.54	.00	.00	.45	.20	.00
11	A0065060	39.750	122.200	254	ORLAND	20.37	1.49	1.14	5.06	.44	5.67	5.02	.73	.00	.00	.62	.20	.00
04	A0065210	39.506	121.558	171	OROVILLE	.00-	1.87	1.46	2.92	.93	10.65	5.93	1.76	.10	.21	.03	.24	.00-
04	A0065250	39.507	121.567	165	OROVILLE BRIDGE	.00-	1.78	1.53	2.97	.97	10.58	4.46	1.64	.09	.13	.04	.26	.00-
04	A5065700	39.527	121.479	845	OROVILLE DAM	.00-	2.23	1.87	3.04	1.64	10.63	6.79	2.21	.19	.22	.00-	.00-	.00-
04	A0065280	39.525	121.567	300	OROVILLE R S	23.70	1.60	1.40	3.00	2.30	7.70	6.00	1.50	.10	.10	.00	.00	.00
09	A7065970	38.750	120.500	3440	PACIFIC HOUSE	52.37	3.24	3.43	3.71	5.03	13.40	12.91	7.33	.76	.47	.08	1.70	.31
04	A0066200	39.435	121.548	156	PALERMO	22.38	1.57	1.54	2.56	.86	9.25	4.85	1.31	.02	.10	.05	.22	.05
04	A4066850	39.766	121.633	1780	PARADISE	51.51	2.67	2.99	7.19	4.26	15.72	13.27	4.12	.04	.23	.19	.73	.06
04	A5066970	39.677	121.563	950	PARISH CAMP	36.08	1.58	1.88	4.77	2.73	12.51	8.93	2.53	.12	.10	.24	.61	.08
52	A0067200	39.883	122.533	755	PASKENTA R S	27.45	1.83	.25	5.95	.81	6.75	9.71	1.26	.00	.00	.64	.25	.00
52	A4067600	40.333	121.900	1850	PAYNES CREEK	32.00	2.50	1.55	4.60	1.61	9.47	4.46	3.18	.07	.59	.59	1.32	.00T
3	B1068980	38.412	120.639	2350	PINE GROVE CONS CAMP	40.39	3.26	3.36	3.14	3.49	9.27	12.45	3.32	.54	.02	.14	1.40	.00T
45	A2069400	41.000	121.500	2880	PIT RIVER PH1	17.87	1.42	.87	2.44	.97	5.42	2.44	2.20	.25	.64	.31	.47	.04
45	A1069600	40.983	121.983	1458	PIT RIVER PH NO 5	68.50	2.77	2.48	8.53	3.75	18.84	21.86	6.93	.29	.93	1.18	.85	.09
07	B8069490	38.023	121.855	14	PITTSBURG DOW CHEMICAL	10.05	.50	.03	1.59	1.27	2.09	3.84	.61	.00	.00	.12	.00	.00
09	A7069600	38.729	120.797	1890	PLACERVILLE	33.65	3.26	1.71	2.13	2.69	9.49	8.40	3.97	.55	.33	.00	1.01	.11
09	A7069620	38.739	120.741	2755	PLACERVILLE IFG	37.68	3.81	2.13	2.52	3.48	9.93	9.12	4.28	.66	.28	.02	1.29	.16
09	A7069640	38.732	120.845	1540	PLACERVILLE DISP PLT	.00-	4.00	1.90	2.50	3.30	8.30	7.70	3.30	.40	.30	.00	1.00	.00-
57	A0069680	38.598	121.806	65	PLAINFIELD 1 NNW	15.48	.92	.54	3.31	.17	6.05	4.00	.80	.00	.01	.10	.08	.00
48	A9069770	38.467	122.043	250	PLEASANTS VALLEY	31.12	.84	.87	6.99	.44	12.16	8.69	.95	.00	.00T	.18	.09	.00T
32	A5069800	39.756	120.697	5165	PLUMAS EUREKA PARK	58.42	2.20	2.80	4.40	3.82	16.60	17.20	7.50	1.90	.30	.00	1.10	.60
3	B1070001	38.505	120.812	1485	PLYMOUTH 3 NE	30.75	1.61	2.35	2.34	2.09	8.04	7.21	3.91	.29	.07	.01	1.75	.28
3	B1070003	38.517	120.932	445	PLYMOUTH 6 WNW	22.29	1.57	1.94	2.14	1.54	5.98	5.25	2.29	.12	.07	.00T	1.21	.18
810	B1070004	38.553	120.811	1550	PLYMOUTH 4NNE	29.60	1.70	2.12	2.35	2.22	7.97	7.34	3.74	.35	.09	.01	1.85	.02
32	A5070850	39.804	120.471	4836	PORTOLA	23.32	1.10	1.43	1.52	1.63	5.75	6.49	1.81	.65	.37	.00T	1.58	.99
3	B2071360	38.963	120.936	350	PRESTON SCHOOL	23.52	2.19	1.64	1.72	2.09	6.82	5.83	2.34	.20	.07	.02	.60	.00T
32	A5071950	39.938	120.940	3400	QUINCY R S	35.22	1.25	2.81	4.18	1.72	14.22	5.65	2.72	.93	.33	.09	.98	.34
04	A6072150	39.436	121.329	1400	RACKERBY	.00-	.63	2.19	3.63	3.23	16.60	9.24	.00-	.00-	.00-	.00-	.00-	.00-
5	B2072210	38.305	120.543	2540	RAILROAD FLAT	40.87	2.74	2.97	4.44	3.48	9.41	10.79	4.89	.47	.26	.17	1.25	.00T
5	B2072122	00.000	000.000	2720	RAILROAD FLAT 4DR	37.30	2.40	2.70	5.20	3.10	7.40	9.90	4.40	.50	.20	.20	1.20	.10
34	A0072470	38.591	121.308	85	RANCHO CORDOVA	.00-	1.46	1.16	2.83	1.19	6.84	4.82	1.70	.03	.04	.02	.00-	.01
34	B0072483	38.508	121.100	220	RANCHO MURIETTA	.00-	.97	1.26	1.56	1.74	5.88	3.88	1.64	.00	.00-	.00-	.00-	.00-
18	G2072610	40.783	120.274	5350	RAVENDALE 5 ESE	9.12	.99	.21	1.06	.18	1.72	1.34	1.17	.17	.48	.45	1.28	.07
52	A0072910	40.176	122.419	595	RED BLUFF OWENS RCH	25.52	1.97	.47	5.47	.70	6.32	7.78	1.55	.25	.00	.50	.51	.00
52	A0072913	40.191	122.237	300	RED BLUFF IN	.00-	.00-	.00-	.00-	.00-	.89	4.85	1.96	.00	.45	.35	.48	.00
52	A0072920	40.15	122.250	341	RED BLUFF WB AP	22.65	2.16	.91	4.88	1.80	5.69	4.72	1.39	.00T	.24	.33	.53	.00T
45	A0072950	41.566	122.383	470	REDDING 1 SE	.00-	2.03	.72	4.63	.00-	.00-	.00-	1.34	.00	.00	.22	.59	.07
45	A0072960	40.583	122.400	577	REDDING FIRE STN NO2	44.31	2.42	1.83	6.15	3.42	12.24	14.20	2.43	.28	.22	.67	.45	.00
45	A0072991	40.624	122.313	600	REDDING 5NE	45.33	2.38	2.01	5.68	2.61	13.71	14.36	3.06	.29	.19	.41	.53	.10
34	A7073700	38.493	121.160	295	REPRESA	18.90	1.67	1.25	2.34	.83	4.65	5.81	1.65	.00	.11	.00	.59	.00
04	A0074220	39.494	121.746	103	RICHVALE	.00-	1.58	1.32	2.77	1.02	8.63	.00-	.00-	.00-	.00-	.10-	.00-	.00-
34	A0074334	38.466	121.450	42	RIO LINDA TRT PLT	.00-	.89	.71	3.00	1.10	4.95	4.18	.96	.00	.00-	.00-	.00-	.00-
48	B9074460	38.148	121.693	40	RIO VISTA	15.84	1.15	.49	2.34	1.37	4.84	4.35	.97	.00	.00	.25	.08	.00T
48	A0074604	38.156	121.776	145	RIO VISTA 5W	.00-	.90	.70	2.75	.70	5.08	4.10	1.25	.00	.00-	.00-	.00-	.00-
09	A7074890	38.904	120.359	5175	HOBBS PEAK	.00-	3.30	.00-	.00-	5.90	.00-	.00-	7.10	.00-	.80	.10	2.20	.90
31	A0075160	38.793	121.241	239	ROCKLIN	22.30	1.32	1.48	3.27	.78	7.18	5.47	1.85	.02	.10	.02	.29	.02
45	A2075810	40.800	121.933	2100	ROUND MOUNTAIN PG AND	60.47	2.83	2.53	6.63	4.16	15.80	16.62	7.43	.50	1.07	.68	1.74	.06
34	A0076300	38.516	121.500	17	SACRAMENTO WB AP	15.36	1.16	.66	2.86	.73	4.59	4.28	.81	.00T	.00T	.04	.23	.00T
34	A0076300	38.583	121.483	25	SACRAMENTO WB CITY	17.82	1.22	.86	3.42	1.15	5.16	4.73	1.10	.00	.00	.02	.16	.00

TABLE A-1 (Cont.)

PRECIPITATION IN NORTHEASTERN CALIFORNIA DURING WATER YEAR 1975

CO	STA NO	LAT	LONG	ELEV	STATION NAME	TOTAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
34	A00703335	38.546	121.337	72	SACRAMENTO BRANCH CENT	.00-	.97	.51	1.28	.28	3.18	2.93	1.43	.00	.00-	.00-	.00-	.00-
29	07076400	39.431	120.240	6337	SAQEMEN CREEK	34.34	.92	2.11	3.22	2.15	9.70	8.51	3.37	.72	.78	.00T	1.02	1.84
3	B20768900	38.497	120.216	3700	SALT SPRINGS PH	50.46	2.86	3.13	5.09	4.22	12.31	12.37	6.15	1.02	.78	.09	1.86	.58
5	B20770100	38.192	120.681	1120	SAN ANDREAS	26.92	1.55	2.21	3.07	1.65	6.18	8.56	2.39	.15	.04	.11	.96	.05
5	B20770200	38.163	120.671	831	SAN ANDREAS 2 S	27.42	2.16	2.14	2.78	1.90	6.74	8.66	2.28	.10	.00T	.00	.66	.00T
5	B20770500	38.192	120.669	1100	SAN ANDREAS R S	25.92	1.86	1.88	2.92	2.35	5.28	8.14	2.23	.15	.04	.10	.94	.03
46	A00802900	39.800	120.983	4300	SCALES	91.45	4.00	4.75	7.31	8.14	28.42	24.80	8.10	1.26	.65	.56	2.96	.30
18	G00837400	40.523	120.266	4435	SECRET VALLEY	4.80	.65	.04	.77	.00T	1.69	.35	.40	.08	.34	.04	.44	.00
29	A00811229	39.329	121.106	201	SHADY CREEK	35.77	2.04	1.80	3.27	3.98	9.98	8.39	4.08	.34	.65	.13	.86	.05
45	A00813500	40.716	122.416	1070	SHASTA DAM	63.64	3.16	2.82	9.24	3.34	16.62	23.16	3.95	.00	.31	.57	.47	.00
05	B20814500	38.209	120.463	2350	SHEEP RANCH	40.90	3.30	2.50	5.90	2.80	9.10	11.30	4.00	.50	.20	.10	1.10	.10
45	A00817500	40.494	121.846	3540	SHINGLETOWN 2 E	44.25	3.04	2.30	4.22	2.90	12.12	10.14	5.29	.19	.57	1.25	2.10	.13
46	A00820700	39.564	120.639	4150	SIERRA CITY	59.75	2.56	3.84	5.14	4.99	18.54	14.56	6.53	2.02	.24	.09	1.06	.18
46	A50821800	39.583	120.368	4975	SIERRAVILLE RS	25.61	.97	2.42	1.92	1.64	6.99	6.93	2.05	.97	.43	.00T	.81	.48
34	B00829310	38.483	121.206	123	SLOUGHHOUSE 15W	.00-	1.65	1.55	2.36	.57	5.84	4.79	2.09	.00T	.07	.00-	.00-	.00-
58	A00830000	39.202	121.287	800	SMARTSVILLE	29.92	2.41	1.35	1.64	3.49	10.50	7.80	2.23	.20	.00	.12	.18	.00T
29	A00833200	39.325	120.366	6885	SODA SPRINGS 1 E	60.92	2.79	3.24	5.72	7.20	15.78	14.11	7.05	1.84	1.13	.15	1.75	.16
9	B10833400	38.820	120.598	3160	SOMERSET 5 ESE	38.92	2.93	2.74	2.98	2.41	9.85	9.86	4.70	.72	.29	.09	2.33	.02
26	G00835500	34.351	119.448	6886	SONORA JUNCTION	.00-	1.04	.61	1.93	.00-	3.74	3.27	1.05	.55	.15	.15	.35	.64
31	G00847400	39.196	120.236	6235	SOUAW VALLEY	58.36	2.21	3.51	5.60	4.96	18.76	12.32	5.95	1.61	1.05	.11	1.97	.31
04	A50854400	39.904	121.527	3518	STARLING CITY R S	.00-	3.40	4.40	8.30	6.10	.00-14.80		8.00	1.00	.70	.60	2.20	.10
39	A00855400	37.935	121.327	11	STOCKTON DISPOSAL PLT	13.70	1.20	.50	2.60	1.10	3.00	3.80	.80	.00	.00	.10	.00	.00
39	B00855600	37.900	121.250	22	STOCKTON WBAP	11.64	.97	.78	2.15	.93	2.15	3.08	.74	.00	.00T	.02	.01	.01
39	A00856000	38.000	121.316	12	STOCKTON FIRE STATION	13.20	1.17	.25	2.35	.47	4.23	2.86	1.19	.00	.02	.10	.55	.01
06	A30857600	39.255	122.658	3020	STONYFORD COULEY MCH	48.90	1.77	1.96	6.00	3.14	15.90	16.11	3.17	.14	.05	.49	.13	.00T
06	A30858000	39.283	122.545	1160	STONYFORD R S	21.62	.76	.18	3.72	1.74	7.20	7.01	.74	.00	.00	.14	.11	.02
11	A30858700	39.683	122.533	77	STONY GORGE RES	22.32	1.26	.16	5.18	.53	6.74	6.22	1.06	.00T	.00	.46	.71	.00
58	A00860600	39.583	121.108	3800	STRAWBERRY VALLEY	80.72	4.04	4.22	7.30	6.25	26.03	22.06	6.82	1.17	.58	.37	1.54	.34
18	G00870200	40.383	120.550	4140	SUSANVILLE AP	12.70	.89	1.10	1.24	.28	4.74	1.55	1.14	.92	.27	.03	.13	.41
18	G00870300	40.433	120.666	4555	SUSANVILLE 1WNW	16.08	.99	1.12	1.28	.93	6.42	2.90	1.61	.31	.29	.05	1.75	.43
51	A00871000	39.141	121.746	46	SUTTER CITY	15.47	1.90	.27	1.60	2.05	6.49	2.92	.00	.00	.00	.12	.12	.00
3	B20871300	38.877	120.809	1586	SUTTER MILL RS	.00-	2.08	2.39	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.06	1.53	.00
18	G20887300	40.866	120.450	5300	TERMO	12.17	.82	.31	1.39	.56	3.32	1.34	1.52	.42	.78	.62	.84	.25
04	A00890494	39.508	121.683	141	THERMALITO AFTERBAY	.00-	1.60	1.26	1.86	.96	8.61	.00-	.00-	.00-	.00-	.00-	.00-	.00-
3	B20892800	38.449	120.491	2355	TIGER CREEK PH	18.57	4.26	2.80	3.89	4.69	11.73	12.62	5.62	.63	.34	.12	1.60	.07
51	A00893310	39.328	121.779	30	TISDALE BYPASS	17.06	1.48	.85	2.52	.43	7.05	4.18	.34	.00T	.02	.06	.10	.03
34	A00898434	38.606	121.405	5	TOWN AND CNTRY MITCHL	.00-	1.25	1.12	3.33	.57	6.58	4.68	1.36	.00	.08	.03	.24	.00-
39	B90899500	37.737	121.424	53	TRACY FIRE STATION	.00-	.67	.12	2.17	.63	.00-	2.45	.00-	.00	.00-	.00-	.00-	.00-
39	A00899700	37.708	121.410	104	TRACY 2SSE	9.51	.68	.14	1.63	.41	1.52	2.52	1.73	.00	.00	.04	.84	.00
39	B00899900	37.695	121.413	137	TRACY CARBONA	9.99	.62	.23	1.77	.34	1.99	2.66	1.44	.00	.01	.04	.89	.00T
34	B00900100	37.795	121.541	61	TRACY PUMPING PLANT	11.09	.63	.31	1.96	.33	3.04	3.40	.92	.00	.00	.18	.32	.00
29	G70904300	39.329	120.186	5995	TRUCKEE R S	29.67	1.03	1.89	2.74	2.39	7.65	8.01	3.82	.82	.52	.00	.88	.12
32	A50909500	40.019	121.070	2841	TWAIN	.00-	1.57	2.46	4.74	1.79	13.53	8.99	3.02	.35	.00	.00-	.00-	.00-
02	A70910500	38.706	120.040	7829	TWIN LAKES	48.11	1.74	2.74	5.28	4.80	11.43	10.95	6.15	1.42	.95	.02	1.92	.71
17	A80916700	39.183	123.033	1520	UPPER LAKE 7 W	47.48	1.87	1.93	7.02	5.13	13.17	15.01	2.84	.00T	.08	.09	.31	.03
48	A00920000	38.360	121.949	104	VACAVILLE	20.92	1.19	.84	3.07	1.49	7.76	5.42	.94	.00	.01	.14	.06	.00
5	B20923500	38.192	120.830	695	VALLEY SPRINGS	21.93	1.80	1.61	1.95	1.25	4.84	7.17	1.88	.06	.00T	.10	1.25	.02
5	B00923700	38.132	120.902	300	VALLEY SPRINGS 6SW	17.02	1.64	1.44	1.72	.90	3.48	4.63	1.91	.01	.02	.06	1.21	.00
51	A00930700	38.790	121.595	43	VERONA	13.45	.98	.69	2.33	.49	4.73	3.64	.38	.00T	.02	.01	.16	.00T
52	A00934200	39.938	122.061	202	VINA MONASTERY	24.37	1.75	1.18	4.84	.75	6.68	6.60	1.54	.00	.00	.72	.31	.00
32	A50935100	39.818	120.188	4945	VINTON	11.91	.94	.71	1.01	.44	2.08	2.37	1.01	.35	.40	.03	1.88	.69
45	A20938000	40.850	122.433	1360	VOLLMERS	73.53	3.16	7.12	10.10	3.32	19.36	24.76	4.58	.16	.07	.61	.29	.00
45	A00939000	40.453	121.866	2200	VOLTA PH	33.05	3.00	1.74	3.88	2.80	8.31	5.61	4.00	.12	.51	.88	2.18	.02
5	B00941850	38.181	120.962	214	WALLACE 1 INNE	17.49	1.37	1.33	2.02	1.09	4.58	4.10	1.79	.00T	.01	.04	1.13	.03
34	B00942800	38.237	121.516	20	WALNUT GROVE	.00-	1.15	.30	2.18	.86	4.25	3.76	.61	.00	.00-	.00-	.00-	.00-
29	A00945500	39.357	120.798	2600	WASHINGTON	.00-	3.63	3.24	.00-	2.19	19.92	16.51	6.09	1.10	.58	.06	3.65	.00T
18	G00952600	40.266	120.673	4035	WENDEL 10 SE	8.76	.84	.35	.80	.28	1.85	1.34	1.12	.00	.27	.46	.99	.42
18	G00952601	40.350	120.268	4040	WENDEL 1 E	9.47	.71	.42	.93	.11	1.89	1.58	.75	.24	.59	.21	1.54	.50
57	A00953100	38.570	121.536	15	WEST ACRES	.00-	.57	.66	4.00	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-
5	B20958200	38.400	120.533	2740	WEST POINT	36.65	2.66	2.70	3.10	4.65	8.78	9.69	2.71	.37	.20	.11	1.66	.02
58	A00960500	39.027	121.389	105	WHEATLAND 2 NE	.00-	1.49	1.49	2.75	.00-	8.31	5.61	1.42	.06	.00	.03	.12	.00
45	A30962100	40.416	122.533	1310	WHISKEYTOWN RESERVOIR	62.49	2.52	1.09	8.89	2.25	16.52	23.64	4.65	.06	.21	.66	.29	.00
06	A00967700	39.150	122.150	90	WILLIAMS	.00-	1.05	.32	3.81	.20	.00-	.00-	.00-	.00-	.00-	.00-	.01	.03
25	A10969600	41.902	120.356	4750	WILLOW RANCH	13.01	.59	.30	.82	.88	2.00	2.27	2.10	.52	.32	1.37	.50	1.26
18	G00969031	40.566	120.666	4930	WILLOW CK MURMER MCH	17.12	1.14	1.37	1.60	.31	4.83	2.50	2.28	.32	.41	.26	1.74	.36
11	A00969900	39.533	122.200	140	WILLOWS	15.51	1.23	.76	3.97	.22	4.28	3.80	.74	.00	.00	.31	.19	.01
57	A00974200	38.522	121.968	130	WINTERS	22.08	1.09	.59	4.61	.25	7.80	6.58	.88	.00T	.00T	.09	.13	.00T
48	A00974200	38.468	121.958	140	WINTERS UDELL RCH	22.26	1.02	.74	4.56	.33	7.74	6.17	1.46	.00T	.00T	.10	.12	.00T
48	A00974500	38.500	121.968	130	WINTERS WOLFSKILL RCH	21.40	1.05	.64	4.02	.18	7.40	6.41	1.07	.00T	.00T	.09	.14	.00
29	A00976400	39.129	121.100	2631	WOLF MOUNTAIN	.00-	2.80	2.58	3.46	4.72	11.37	10.17	4.69	.50	.50	.00-	.00-	.00-
02	G00977500	38.776	119.824	5671	WOODFORDS	23.17	1.73	1.49	2.10	2.30	4.78	5.12	2.74	.59	.37	.11	.68	1.16
57	A00978100	38.683	121.793	69	WOODLAND 1 WNW	21.75	1.45	.66	4.60	.35	8.22	5.13	1.05	.00	.00	.10	.19	.00
57	A00978300	38.682	121.833	95	WOODLAND 3 W	20.38	1.16	.63	3.42	.30	8.13	5.57	.83	.00T	.03	.14	.17	.00T
04	A50978600	39.527	121.178	334	WOODLEAF OROLEVE	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.00-	.73	.32	1.03	.20
57	A00983700	38.764	121.782	52	YOLO 2 NE	19.14	1.10	.61	3.23	1.17	7.16	5.15	.47	.00	.01	.08	.14	.00T
51	A00987100	39.129	121.605	60	YUBA CITY	20.41	1.63	1.80	2.37	.80	9.45	3.21	.80	.04	.11	.03	.14	.03
51	A00987100	39.086	121.605	50	YUBA CITY 4S	.00-	1.89	1.62	3.15	.54	8.72	4.85	.90	.00-	.00-	.00-	.00-	.00-

TABLE A-2

INDEX OF STORAGE GAGE PRECIPITATION STATIONS

This table lists and shows location and other information for the storage gages for which the seasonal accumulation of precipitation is reported in the following table. These gages are located in the remote mountain regions where no observers are available to operate conventional rain gages. Storage precipitation gages are tanks with capacity for storing an entire year's rainfall along with antifreeze to melt frozen precipitation and oil to prevent evaporation losses. Once each year, in the summer or early fall, the precipitation that has accumulated since the last measurement is measured and then emptied out. With the addition of the proper amount of oil and antifreeze, the gage is ready to receive the next season's amount. Although logistics preclude conducting the measurement operation exactly at the end of the water year and exactly one year following the previous measurement, the gages fairly accurately depict the total precipitation for the water year because usually a very small amount of precipitation occurs in the summer months.

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

Station Number - Each station in these tables has been assigned an identification number as explained in the Introduction to this appendix.

40-Acre Tract - This denotes the location of the station within a section subdivision of the U. S. Public Land Survey. The letter code is derived from the section diagram to the right.

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

Base and Meridian - The code for this column is as follows:

M - Mount Diablo Base and Meridian

Cooperator Number - This number is assigned from the following list:

000	Private Cooperators
419	Tehama County Flood Control and Water Conservation District
814	California Department of Water Resources, Snow Surveys
900	National Weather Service
903	U. S. Corps of Engineers
905	U. S. Forest Service
911	Military Weather Stations in California

County - This is a standard code for California counties and is explained in the Introduction to Table A-1.

TABLE A-2 (Cont.)

INDEX OF STORAGE GAGE PRECIPITATION STATIONS

NORTHEASTERN CALIFORNIA

Station Number	Station Name	Elevation (in Feet)	Section	Township	Range	40-Acre Tract	Base & Meridian	Latitude ° ' "	Longitude ° ' "	Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
A3 0093	ALDER SPRINGS	4400	SEC 24	T21N	R08W	G	M	39 39 39	122 42 26	903		1966			11
A3 0468	BALL MOUNTAIN LOOKOUT	6500	SEC 17	T24N	R08W		M	39 56 00	122 47 00	900		1948			52
A1 0867	BLACKS MOUNTAIN	7200	SEC 33	T34N	R07E		M	40 46 00	121 12 00	900		1941		05	18
A5 1002	BOULDER CREEK GUARD STATION	5020	SEC 15	T27N	R12E	G	M	40 11 52	120 36 45	905		1964			32
G7 1096	BROCKWAY SUMMIT	7200	SEC 03	T16N	R17E	K	M	39 16	120 04	903		1961			29
A7 1133	BRUSHY SPRINGS GUARD STATION	4880	SEC 06	T13N	R13E	H	M	39 00 20	120 34 40	000		1951			31
A1 1238	BUTTE LAKE	6060	SEC 10	T31N	R06E	F	M	40 33 48	121 18 06	900	041237	1960			18
A5 1348	CAMEL PEAK	5560	SEC 32	T22N	R08E	H	M	39 43 26	121 05 58	000		1967			32
G3 1644	CHAMPS FLAT	5590	SEC 27	T33N	R09E	H	M	40 41 42	120 57 30	000		1959			18
A5 1783	CLARKS PEAK 1 NE	5910	SEC 10	T27N	R13E	H	M	40 12 50	120 29 34	000		1958			32
A5 1845-32	CLOVER VALLEY	5500	SEC 07	T24N	R14E	R	M	39 56 40	120 27 00	000		1965			32
A1 2320	DEAD HORSE RESERVOIR 2 SE	5075	SEC 35	T45N	R12E	L	M	41 42 00	120 33 00	000		1959			25
A4 2335	DEER CREEK FLAT	1910	SEC 14	T25N	R01E	J	M	40 01 16	121 49 34	419	PN2335	1960	1973		52
A4 2416	DEWITT PEAK 2 WSW	1480	SEC 33	T27N	R01W	R	M	40 08 43	121 58 23	419		1960			52
G2 2460	DODGE RESERVOIR 3 NNE	6400	SEC 11	T36N	R16E	C	M	41 00 30	120 07 30	000		1959			18
A7 3153	FORNI RIDGE	7600	SEC 16	T11N	R16E		M	38 48	120 13	814		1966			09
A7 3388	GERLE CREEK CAMP	5400	SEC 11	T13N	R14E	L	M	38 59 06	120 22 45	000		1945			09
A5 3549-32	GRANITE SPRING	5765	SEC 13	T26N	R14E	J	M	40 06 23	120 20 34	000		1965			32
B2 3952	HIGHLAND LAKES	8700	SEC 32	T08N	R20E	Q	M	38 29 48	119 47 48	000	003954	1960			02
A4 4019	HOGBACK ROAD	1320	SEC 05	T27N	R01W	F	M	40 13 27	122 00 03	419		1960			52
A1 4815	LASSEN CREEK UPPER	6775	SEC 21	T45N	R15E	R	M	41 45	120 14 42	000		1958			25
A5 4932	LIGHTS CREEK	5320	SEC 02	T27N	R11E	F	M	40 13 48	120 42 30	000		1959			32
A5 4977	LITTLE LAST CHANCE VALLEY	5730	SEC 05	T24N	R16E	M	M	39 57 40	120 13 00	000		1959			32
A3 5043	LOG SPRING	5050	SEC 29	T23N	R08W	D	M	39 49 36	122 47 29	903		1964			52
A1 5081-01	LONG BELL STATION	4375	SEC 20	T42N	R05E	B	M	41 28 00	121 25 00	000		1958			25
G7 5163	LOWER MEADOW	5760	SEC 25	T20N	R17E	A	M	39 33 42	120 01 54	911		1957	1972		46
B1 5189	LUMBERYARD	6480	SEC 15	T08N	R15E	F	M	38 32 55	120 18 24	000		1967			09
A4 5444	MCCARTHY POINT	3800	SEC 19	T27N	R03E		M	40 11 00	121 41 00	900		1945			52
A1 5505	MEDICINE LAKE	6725	SEC 10	T43N	R03E	C	M	41 35 00	121 37 00	900		1946			47
A5 5956	MT HOUGH SNOWCOURSE	6760	SEC 08	T25N	R10E	J	M	40 02 29	120 52 43	000		1964			32
A2 5982	MT SHASTA SLOPE	7500	SEC 30	T41N	R03W	Q	M	41 22 00	122 16 00	900		1947			47
A3 6212	NOEL SPRING	5000	SEC 05	T19N	R07W	B	M	39 32 16	122 40 03	903		1964			11
A5 6452	ONION VALLEY	6530	SEC 05	T22N	R10E	G	M	39 48 00	120 53 06	000		1959			32
A1 6750	PATTERSON MEADOW	7000	SEC 29	T39N	R16E		M	41 11 00	120 12 00	000		1958			25
A1 6803	PEPPERDINES CAMP	6650	SEC 28	T42N	R15E	F	M	41 26 30	120 14 00	000		1958			25
A7 7492	ROBERTSON FLAT	6740	SEC 11	T15N	R13E	N	M	39 09 26	120 30 06	000		1946			31
A3 7637	SADDLE CAMP RANGER STATION	3850	SEC 30	T27N	R08E		M	40 10 00	122 48 00	900		1945			52
A2 8591	STOUTS MEADOW	5300	SEC 01	T38N	R01W	B	M	41 10 00	121 56 00	900		1946			45
A5 8716	SWAIN MOUNTAIN	6160	SEC 20	T30N	R08E	J	M	40 26 40	121 06 00	000		1957			32
A1 8718	SWRAGERT FLAT	6000	SEC 11	T39N	R10E	F	M	41 14	120 47 30	000		1958			25
A7 8881	THE CEDARS	5900	SEC 13	T16N	R14E	L	M	39 15 00	120 21 12	000		1945			31
A5 8909	THREE MILE VALLEY	5900	SEC 36	T24N	R12E	A	M	39 54 05	120 34 15	000		1959			32
A3 9037	TROUGH SPRING	4000	SEC 28	T17N	R07W	L	M	39 17 48	122 39 11	903		1964			06
A4 9098	TWENTY MILE HOLLOW	2800	SEC 07	T26N	R02E	F	M	40 07 33	121 48 12	000		1960			52
A7 9597	WESTVILLE	5290	SEC 05	T15N	R12E	J	M	39 10 30	120 39 08	000		1948			31
A7 9816	WRIGHTS LAKE	6950	SEC 32	T12N	R16E	J	M	38 50 30	120 14 02	900		1946			09

TABLE A-3

STORAGE GAGE PRECIPITATION DATA

Station	Agency	1974-75 Season		
		Measurement Period		Precipitation in Inches
SACRAMENTO RIVER BASIN				
PIT RIVER A1				
BLACKS MOUNTAIN	DWR Northern District	6-17-74	8-25-75	33.06
BUTTE LAKE	DWR Northern District	6-28-74	7-03-75	41.73
DEAD HORSE RESERVOIR 2 SE	DWR Northern District	6-20-74	6-13-75	NR
LASSEN CREEK UPPER	DWR Northern District	6-19-74	8-26-75	18.73
LONG BELL STATION	DWR Northern District	6-20-74	6-12-75	17.08
MEDICINE LAKE	DWR Northern District	8-29-74	8-28-75	43.25
PATTERSON MEADOW	DWR Northern District	6-18-74	8-27-75	34.67
PEPPERDINES CAMP	DWR Northern District	6-19-74	8-26-75	35.91
SWEAGERT FLAT	DWR Northern District	6-18-74	8-25-75	33.33
SHASTA LAKE A2				
MT. SHASTA SLOPE	DWR Northern District	8-28-74	8-29-75	67.34
STOUTS MEADOW	DWR Northern District	8-28-74	8-28-75	87.35
SACRAMENTO VALLEY WESTSIDE A3				
ALDER SPRINGS	COE Sacramento District	8-22-74	8-14-75	35.65
BALL MOUNTAIN LOOKOUT	DWR Northern District	6-11-74	6-06-75	51.12
LOG SPRING	COE Sacramento District	8-22-74	8-13-75	34.60
NOEL SPRING	COE Sacramento District	8-22-74	8-14-75	47.00
SADDLE CAMP RANGER STATION	DWR Northern District	6-14-74	6-03-75	38.75
TROUGH SPRING	COE Sacramento District	8-23-74	8-15-75	46.85
SACRAMENTO VALLEY NORTHEAST A4				
DeWITT PEAK 2 WSW	DWR Northern District	6-12-74	6-04-75	25.19
HOGBACK ROAD	DWR Northern District	6-12-74	6-04-75	30.82
McCARTHY POINT	DWR Northern District	6-13-74	6-05-75	42.82
TWENTY MILE HOLLOW	DWR Northern District	6-13-74	6-05-75	26.19
FEATHER RIVER A5				
BOULDER CREEK GUARD STATION	DWR Central District	8-21-74	8-19-75	27.87
CAMEL PEAK	DWR Central District	8-19-74	8-18-75	70.45
CLARKS PEAK 1 NE	DWR Central District	8-21-74	8-28-75	26.77
CLOVER VALLEY	DWR Central District	8-22-74	8-29-75	20.52
GRANITE SPRING	DWR Central District	8-21-74	8-19-75	18.82
LIGHTS CREEK	DWR Central District	8-20-74	8-28-75	39.01
LITTLE LAST CHANCE VALLEY	DWR Central District	8-21-74	8-29-75	18.28
MT. HOUGH SNOWCOURSE	DWR Central District	8-20-74	8-28-75	56.29
ONION VALLEY	DWR Central District	8-19-74	8-18-75	58.66
SWAIN MOUNTAIN	DWR Central District	8-20-74	8-19-75	54.94
THREE MILE VALLEY	DWR Central District	8-22-74	8-29-75	41.94
AMERICAN RIVER A7				
BRUSHY SPRINGS GUARD STATION	Placer County Water Agency	8-08-74	7-17-75	49.86
FORNI RIDGE	DWR Snow Surveys	9-30-74	10-09-75	56.92
GERLE CREEK CAMP	Sacramento Muni. Util. Dist.	9-10-74	9-09-75	55.87
ROBERTSON FLAT	Placer County Water Agency	7-26-74	7-17-75	72.63
THE CEDARS	DWR Central District	9-16-74	9-12-75	58.27
WESTVILLE	Placer County Water Agency	7-26-74	7-17-75	55.79
WRIGHTS LAKE	Sacramento Muni. Util. Dist.	9-10-74	9-09-75	59.67
SAN JOAQUIN RIVER BASIN				
COSUMNES RIVER B1				
LUMBERYARD	DWR Central District	10-04-74	9-15-75	69.50
MOKELUMNE-CALAVERAS RIVERS B2				
HIGHLAND LAKES	DWR San Joaquin District	7-10-74	7-10-75	32.6
NORTH LAHONTAN AREA				
MADELINE PLAINS G2				
DODGE RESERVOIR 3 NNE	DWR Northern District	6-18-74	8-27-75	17.27
EAGLE LAKE G3				
CHAMPS FLAT	DWR Northern District	6-17-74	6-13-75	20.68
TRUCKEE RIVER G7				
BROCKWAY SUMMIT	COE Sacramento District	11-01-74	7-16-75	34.90

NR - No Record due to vandalism

APPENDIX B

SURFACE WATER MEASUREMENTS

This appendix contains surface water data for the 1975 water year, which is from October 1, 1974, to September 30, 1975. The data consists of unimpaired runoff; daily mean discharges; daily mean gage heights, maximum and minimum gage heights; elevations of daily 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 hydrographic unit as shown below. The remaining digits further identify the station.

Sacramento River Basin		San Joaquin River Basin		North Lahontan Area	
A0	Sacramento Valley Floor	B0	San Joaquin Valley Floor	G1	Surprise Valley
A1	Pit River	B1	Cosumnes River	G2	Madeline Plains
A2	Shasta Lake	B2	Mokelumne-Calaveras Rivers	G3	Eagle Lake
A3	Sacramento Valley Westside	B8	San Joaquin Valley Westside	G4	Susan River
A4	Sacramento Valley Northeast	B9	Sacramento-San Joaquin Delta	G5	Smoke River
A5	Feather River			G6	Herlong
A6	Yuba-Bear Rivers			G7	Truckee River
A7	American River			G8	Carson River
A8	Cache Creek			G9	Walker River
A9	Putah Creek				
		San Francisco Bay Area			
		E0	San Francisco Bay		

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

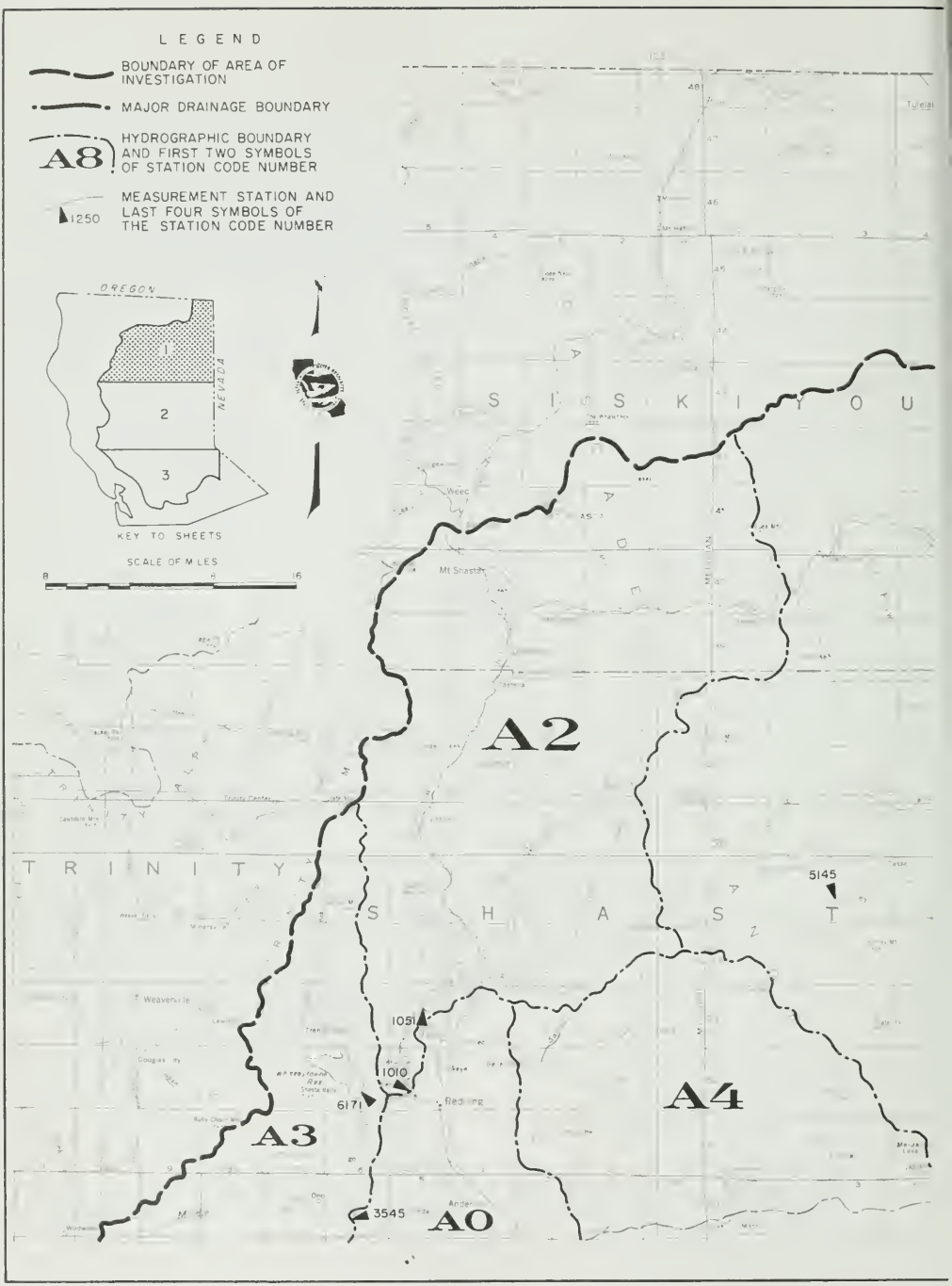
1. "Water Resources Data for California, Part 1: Surface Water Records, Volume 2: Northern Great Basin and Central Valley". U. S. Department of the Interior, Geological Survey.

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

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

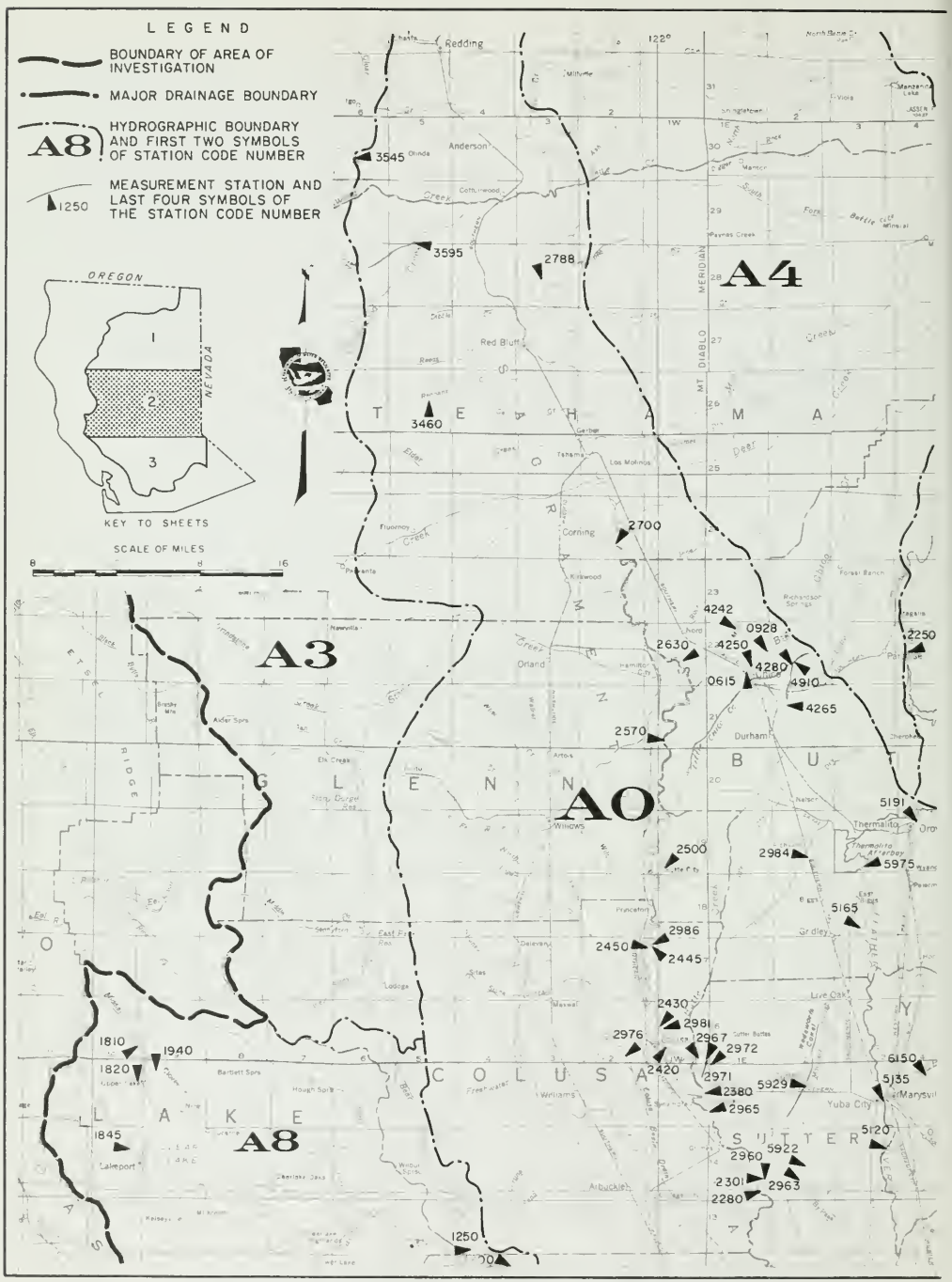
4. Bulletin No. 132, "The California State Water Project". Department of Water Resources.

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



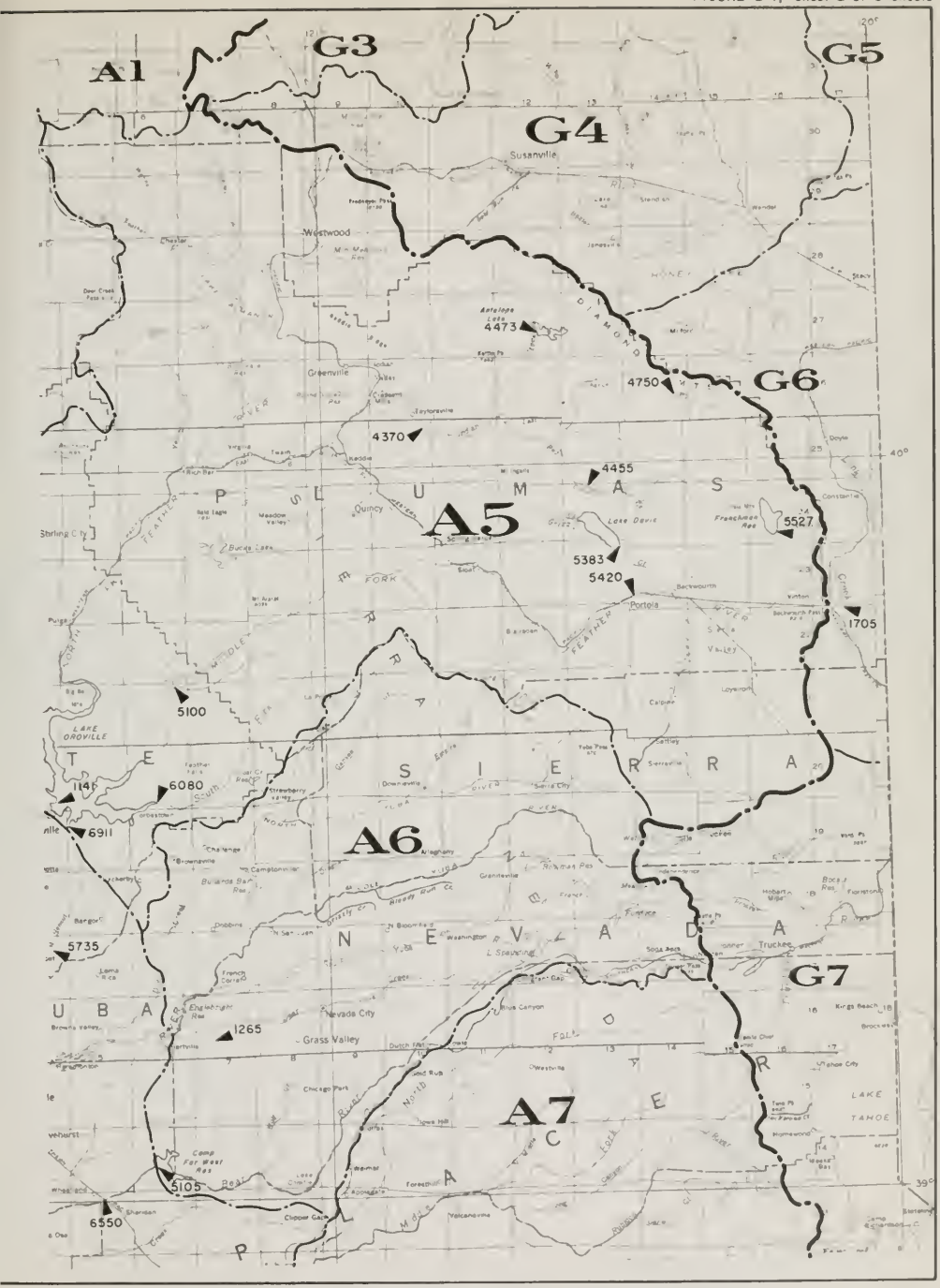
SURFACE WATER MEASUREMENT STATIONS 1974-75

SURFACE WATER MEASUREMENT STATIONS 1974-75

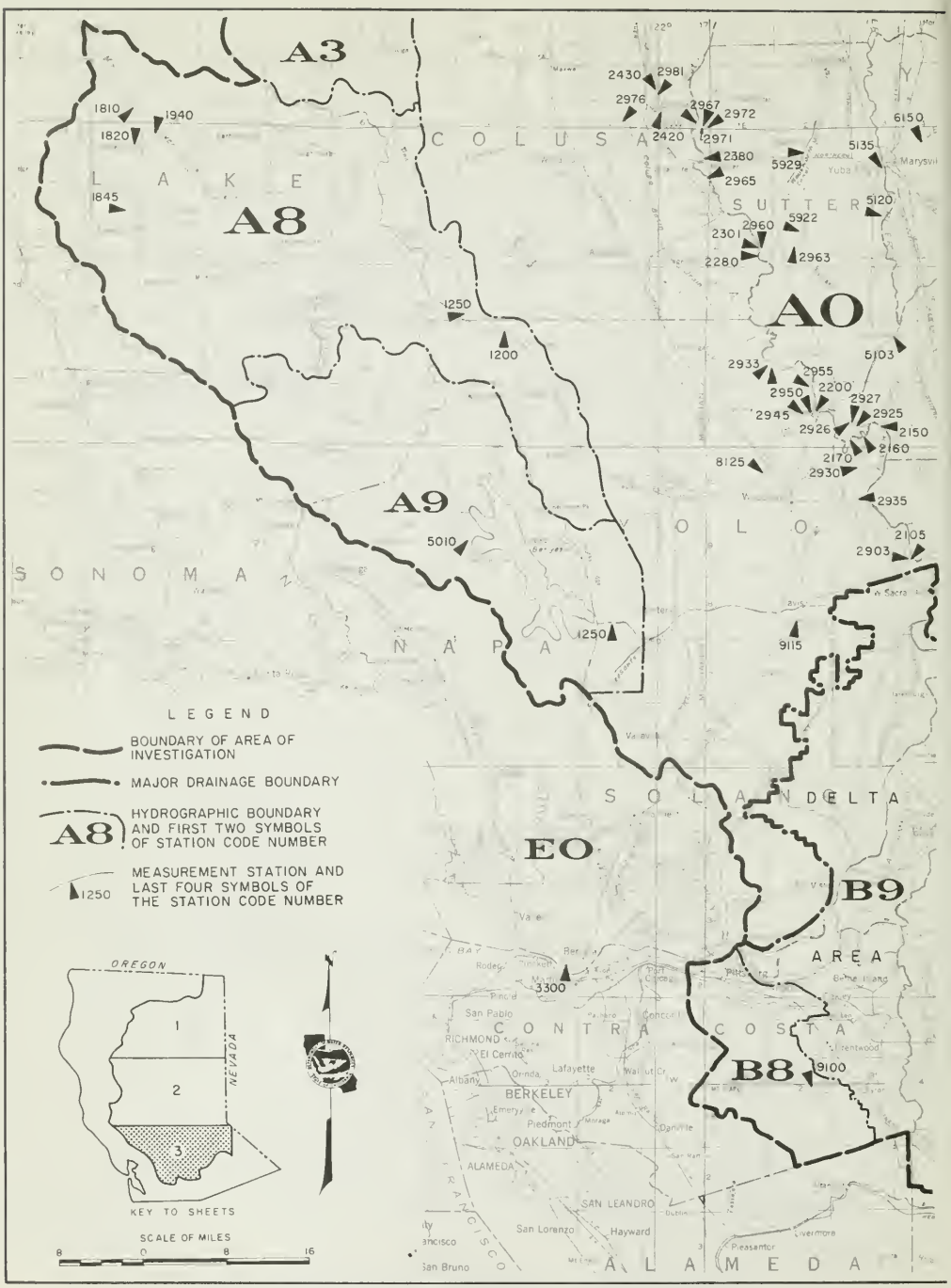


SURFACE WATER MEASUREMENT STATIONS 1974 -75

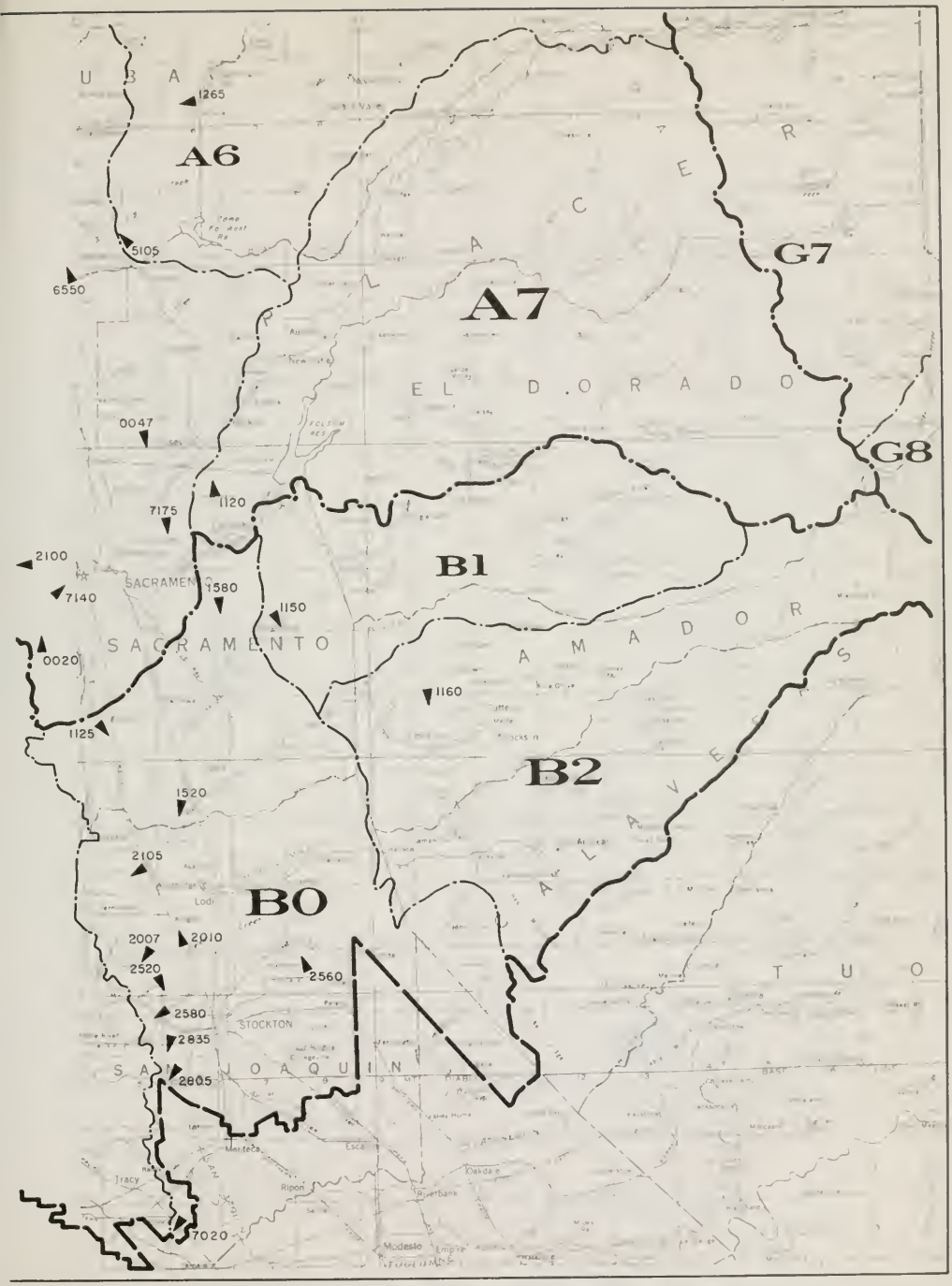
FIGURE B-1, sheet 2 of 3 sheets



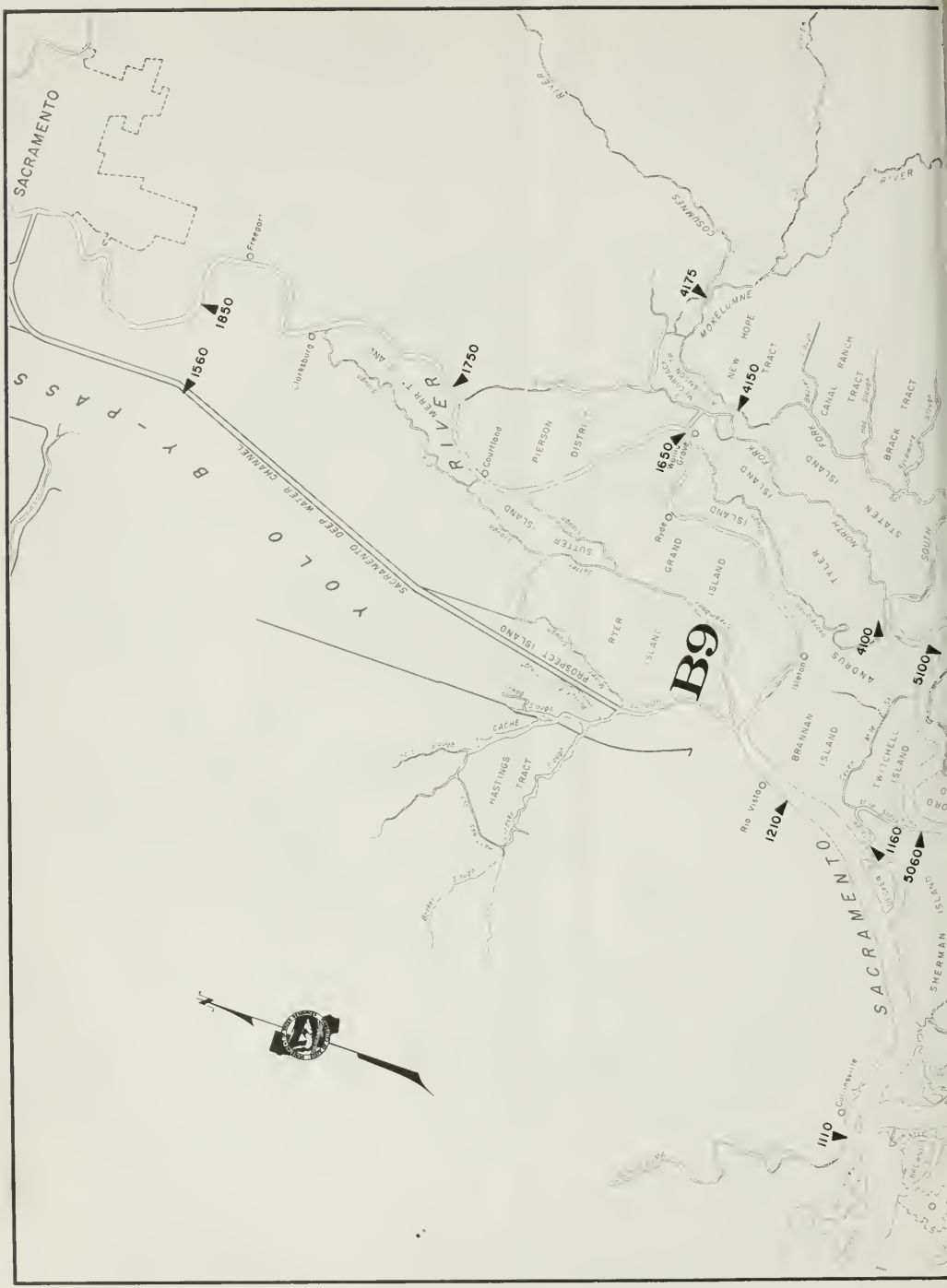
SURFACE WATER MEASUREMENT STATIONS 1974 -75



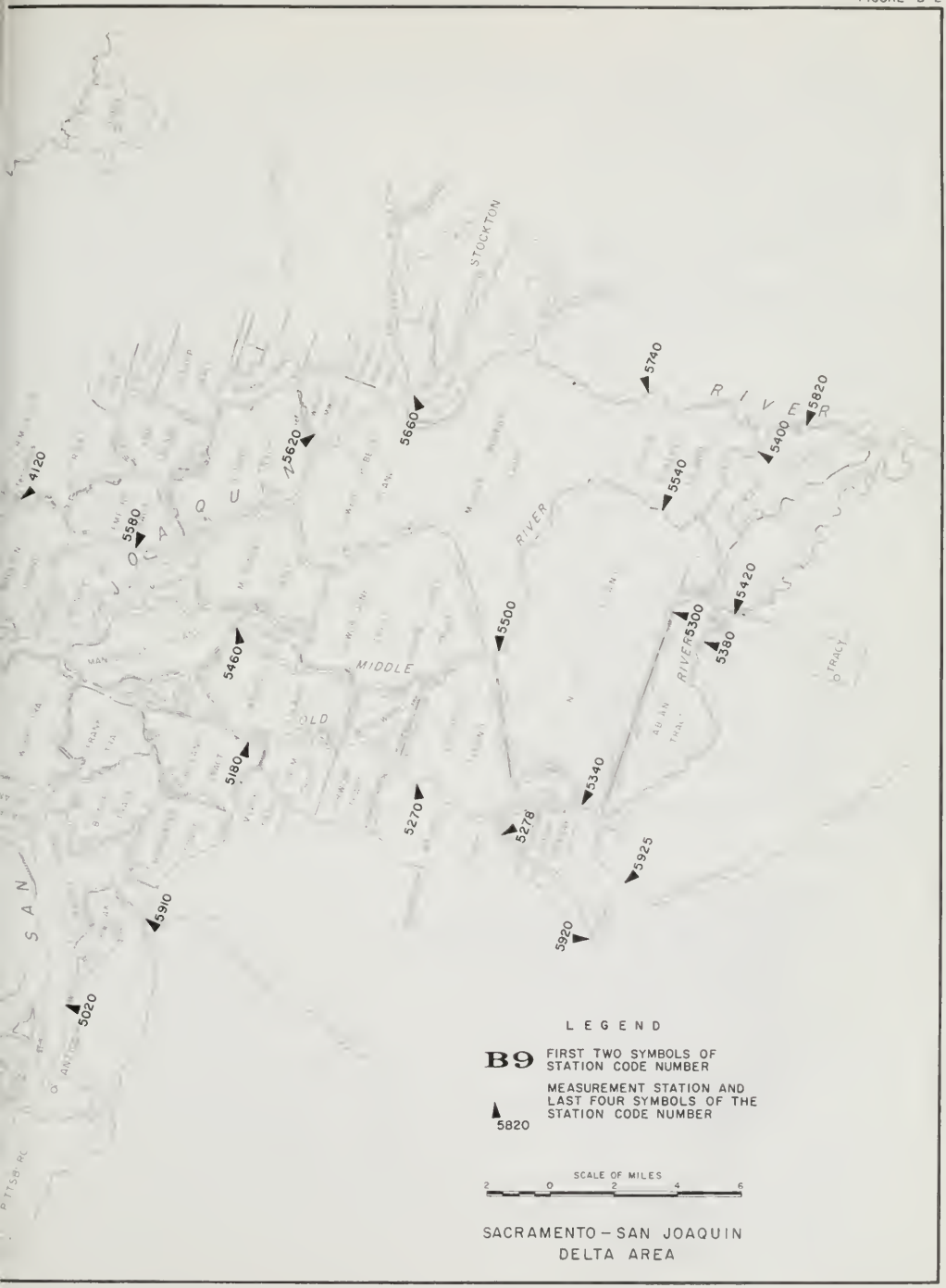
SURFACE WATER MEASUREMENT STATIONS 1974 -75



SURFACE WATER MEASUREMENT STATIONS 1974-75



SURFACE WATER MEASUREMENT STATIONS 1974-75



SURFACE WATER MEASUREMENT STATIONS 1974-75

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	Station Code Number	Streamflow and Station Description (Page)	Stage, Tide, Crests, and Station Description (Page)
American River at Fair Oaks	A07175		138
American River at Sacramento	A07140		157
Antelope Lake near Boulder Creek Guard Station	A54473		226
Ash Creek at Adin	A18350	44	
Bear Creek near Lodi	B02010	110	
Bear Creek near Rumsey	A81250	98	
Bear River near Wheatland	A06550		138
Bidwell Creek near Fort Bidwell	G12200	121	
Big Chico Creek at Chico	A04250	53	
Burney Creek near Burney	A15145	45	
Butte Creek near Durham	A04265	60	
Butte Slough at Mawson Bridge	A02971		145
Butte Slough near Meridian	A02972	72	138
Butte Slough at Outfall Gates	A02967	63	
Cache Creek above Rumsey	A81200	99	
Cache Creek at Yolo	A08125		138
Calaveras River near Stockton	B02520	106	
California Aqueduct at Delta Pumping Plant	B95920	119	
Camp Far West Reservoir near Sheridan	A65105		228
Cedar Creek near Cedarville	G15150	122	
Cherokee Canal near Richvale	A02984	62	137
Clover Creek Bypass near Upper Lake	A81940	97	
Colusa Basin Drain at Highway 20	A02976	68	137
Colusa Basin Drain at Knights Landing	A02945	69	137
Colusa Weir Spill to Butte Basin	A02981	58	
Contra Costa Canal near Oakley	B95910	118	
Cosumnes River at McConnell	B01125	115	139
Cosumnes River at Michigan Bar	B11150		139
Cottonwood Creek, North Fork, near Igo	A03545	46	
Cottonwood Creek, South Fork, near Cottonwood	A03595	47	
Deer Creek near Sloughhouse	B01580	114	
Delta-Mendota Canal near Tracy	B95925	117	
Dry Creek near Galt	B01520	113	
Dry Creek at Roseville	A00047	93	
Duck Creek near Stockton	B02835	105	
Eagle Creek at Eagleville	G17150	123	
Eagle Lake near Susanville	G32100		160
Feather River near Gridley	A05165	88	150
Feather River, Middle Fork, near Merrimac	A55100	83	
Feather River, Middle Fork, near Portola	A55420	78	
Feather River at Nicolaus	A05103		153
Feather River at Oroville	A05191	86	149
Feather River below Shanghai Bend	A05120	91	152
Feather River, South Fork, at Ponderosa Dam	A56080	84	
Feather River at Yuba City	A05135		151
Feather River, West Branch, near Paradise	A52250	82	
Fremont Weir Spill to Yolo Bypass	A02930	71	
French Camp Slough near French Camp	B02805	104	
Frenchman Lake near Chilcoot	A55527		224
Georgiana Slough at Mokelumne River	B94100		214
Grantline Canal at Tracy Road Bridge	B95300		202
Indian Creek near Taylorsville	A54370	81	
Italian Slough near Mouth	B95278		200
Lake Davis near Portola	A55383		225
Lake Oroville near Oroville	A51141		227
Lassen Creek near Willow Ranch	A13060	42	
Last Chance Creek at Dixie Refuge Damsite	A54750	80	
Lindo Channel near Chico	A00615	54	
Little Chico Creek near Chico	A04280	61	
Little Chico Creek Diversion near Chico	A04910	59	
Little Potato Slough at Terminous	B94120		212
Long Valley Creek near Hallelujah Junction	G61705	125	
Marsh Creek near Byron	B89100	120	
Middle Creek near Upper Lake	A81810	95	
Middle River at Bacon Island	B95460		192
Middle River at Borden Highway	B95500		190
Middle River at Mowry Bridge	B95540		188
Mokelumne River at Woodbridge	B02105	111	139
Mokelumne River near Thornton	B94175		208
Mokelumne River, South Fork, at New Hope Bridge	B94150		210
Mormon Slough at Bellota	B02560	107	
Morrison Creek near Sacramento	A00020	116	
Mosher Slough near Stockton	B02007	109	

ALPHABETICAL INDEX TO SURFACE WATER MEASUREMENT STATIONS (Continued)

	Station Code Number	Streamflow and Station Description Page	Stage, Tide, Crests, and Station Description Page
Moulton Weir Spill to Butte Basin	A02986	57	
Mud Creek near Chico	A04242	51	
Mud Creek Diversion at Chico	A00928	52	
North Honcut Creek near Bangor	A05735	89	
Old River near Byron	B95270		204
Old River at Clifton Court Ferry	B95340		198
Old River at Head	B95400		178
Old River near Rock Slough	B95180		206
Old River near Tracy Road Bridge	B95380		194
Palermo Canal at Oroville Dam	A56911	85	
Pine Creek near Alturas	A14100	43	
Pine Creek at Eagle Lake near Susanville	G31140	124	
Pope Creek near Pope Valley	A95010	100	
Putah Creek near Winters	A91250		139
Putah Creek, South Fork, near Davis	A09115	101	
Reclamation District 70 Drainage to Sacramento River	A02965	64	
Reclamation District 108 Drainage to Sacramento River	A02933	66	
Reclamation District 787 Drainage to Colusa Basin Drain	A02950	70	
Reclamation District 787 Drainage to Sacramento River	A02955	67	
Reclamation District 1500 Drainage to Sacramento Slough	A02926	76	
Reclamation District 1660 Drainage to Sutter Bypass	A05922	74	
Reclamation District 1660 Drainage to Tisdale Bypass	A02963	75	
Red Bank Creek near Red Bluff	A03460	48	
Red Clover Creek above Abbey Bridge Damsite	A54455	79	
Sacramento River above Bend Bridge near Red Bluff	A02788		136
Sacramento River at Butte City	A02500		136
Sacramento River at Collinsville	B91110		174
Sacramento River at Colusa	A02420		137
Sacramento River at Colusa Weir	A02430		142
Sacramento River near Freeport	B91850		162
Sacramento River at Fremont Weir, East End	A02160		148
Sacramento River at Fremont Weir, West End	A02170		147
Sacramento River at Hamilton City	A02630	50	136
Sacramento River at Keswick	A21010		136
Sacramento River at Knights Landing	A02200		137
Sacramento River at Meridian	A02380		143
Sacramento River at Moulton Weir	A02445		140
Sacramento River opposite Moulton Weir	A02450		141
Sacramento River at Ord Ferry	A02570	55-56	136
Sacramento River at Rio Vista	B91210		170
Sacramento River at Sacramento	A02100	94	156
Sacramento River at Sacramento Weir	A02105		155
Sacramento River at Snodgrass Slough	B91750		164
Sacramento River at Tisdale Weir	A02301		144
Sacramento River at Verona	A02150		154
Sacramento River at Vina Bridge	A02700	49	136
Sacramento River at Walnut Grove	B91650		166
Sacramento River below Wilkins Slough	A02280		137
Sacramento Slough at Sacramento River	A02925	77	
Sacramento Weir Spill to Yolo Bypass	A02903	92	
San Joaquin River at Antioch	B95020		220
San Joaquin River at Brandt Bridge	B95740		180
San Joaquin River at Mossdale Bridge	B95820		176
San Joaquin River at Rindge Pump	B95620		184
San Joaquin River at San Andreas Landing	B95100		216
San Joaquin River at Venice Island	B95580		186
San Joaquin River near Vernalis	B07020	103	159
Scotts Creek at Eickhoff Road near Lakeport	A81845	96	
Scotts Creek at Upper Lake	A81820		158
Squirrel Creek near Penn Valley	A61265	90	
Stockton Diverting Canal at Stockton	B02580	108	
Stockton Ship Channel at Burns Cutoff	B95660		182
Suisun Bay at Benicia	E03300		222
Sutter Bypass at Reclamation District 1500 Pumping Plant	A02927		146
Sutter Creek near Sutter Creek	B21160	112	
Thermalito Afterbay Release to Feather River near Oroville	A05975	87	
Threemile Slough at Sacramento River	B91160		172
Threemile Slough at San Joaquin River	B95060		218
Tisdale Weir Spill to Sutter Bypass	A02960	65	
Tom Paine Slough above Mouth	B95420		196
Wadsworth Canal near Sutter	A05929	73	138
Yolo Bypass near Lisbon	B91560		168
Yolo Bypass near Woodland	A02935	102	139
Yuba River near Marysville	A06150		138

HYDROGRAPHIC AREA CODE NUMBER INDEX TO
SURFACE WATER MEASUREMENT STATIONS

Station Code Number		Streamflow and Station Description Page	Daily Stage, Major Creeks, Reservoirs, and Station Description Page
HYDROGRAPHIC AREA A			
	Sacramento Valley Floor		
A00020	Morrison Creek near Sacramento	116	-
0047	Dry Creek at Roseville	93	-
0615	Lindo Channel near Chico	54	-
0928	Mud Creek Diversion at Chico	52	-
2100	Sacramento River at Sacramento	94	156
A02105	Sacramento River at Sacramento Weir	-	155
2150	Sacramento River at Verona	-	154
2160	Sacramento River at Fremont Weir, East End	-	148
2170	Sacramento River at Fremont Weir, West End	-	147
2200	Sacramento River at Knights Landing	-	137
A02280	Sacramento River below Wilkins Slough	-	137
2301	Sacramento River at Tisdale Weir	-	144
2380	Sacramento River at Meridian	-	143
2420	Sacramento River at Colusa	-	137
2430	Sacramento River at Colusa Weir	-	142
A02445	Sacramento River at Moulton Weir	-	140
2450	Sacramento River opposite Moulton Weir	-	141
2500	Sacramento River at Butte City	-	136
2570	Sacramento River at Ord Ferry	55-56	136
2630	Sacramento River at Hamilton City	50	136
A02700	Sacramento River at Vina Bridge	49	136
2788	Sacramento River above Bend Bridge near Red Bluff	-	136
2903	Sacramento Weir Spill to Yolo Bypass	92	-
2925	Sacramento Slough at Sacramento River	77	-
2926	Reclamation District 1500 Drainage to Sacramento Slough	76	-
A02927	Sutter Bypass at Reclamation District 1500 Pumping Plant	-	146
2930	Fremont Weir Spill to Yolo Bypass	71	-
2933	Reclamation District 108 Drainage to Sacramento River	66	-
2935	Yolo Bypass near Woodland	102	139
2945	Colusa Basin Drain at Knights Landing	69	137
A02950	Reclamation District 787 Drainage to Colusa Basin Drain	70	-
2955	Reclamation District 787 Drainage to Sacramento River	67	-
2960	Tisdale Weir Spill to Sutter Bypass	65	-
2963	Reclamation District 1660 Drainage to Tisdale Bypass	75	-
2965	Reclamation District 70 Drainage to Sacramento River	64	-
A02967	Butte Slough at Outfall Gates	63	-
2971	Butte Slough at Mawson Bridge	-	145
2972	Butte Slough near Meridian	72	138
2976	Colusa Basin Drain at Highway 20	68	137
2981	Colusa Weir Spill to Butte Basin	58	-
A02984	Cherokee Canal near Richvale	62	137
2986	Moulton Weir Spill to Butte Basin	57	-
3460	Red Bank Creek near Red Bluff	48	-
3545	Cottonwood Creek, North Fork, near Igo	46	-
3595	Cottonwood Creek, South Fork, near Cottonwood	47	-
A04242	Mud Creek near Chico	51	-
4250	Big Chico Creek at Chico	53	-
4265	Butte Creek near Durham	60	-
4280	Little Chico Creek near Chico	61	-
4910	Little Chico Creek Diversion near Chico	59	-
A05103	Feather River at Nicolaus	-	153
5120	Feather River below Shanghai Bend	91	152
5135	Feather River at Yuba City	-	151
5165	Feather River near Gridley	88	150
5191	Feather River at Oroville	86	149
A05735	North Honcut Creek near Bangor	89	-
5922	Reclamation District 1660 Drainage to Sutter Bypass	74	-
5929	Wadsworth Canal near Sutter	73	138
5975	Thermalito Afterbay Release to Feather River near Oroville	87	-
6150	Yuba River near Marysville	-	138
A06550	Bear River near Wheatland	-	138
7140	American River at Sacramento	-	157
7175	American River at Fair Oaks	-	138
8125	Cache Creek at Yolo	-	138
9115	Putah Creek, South Fork, near Davis	101	-

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 A (Continued)			
	Pit River		
A13060	Lassen Creek near Willow Ranch	42	-
4100	Pine Creek near Alturas	43	-
5145	Burney Creek near Burney	45	-
8350	Ash Creek at Adin	44	-
	Shasta Lake		
A21010	Sacramento River at Keswick	-	136
1051	Inflow to Shasta Lake	-	230
	Sacramento Valley Westside		
A36171	Inflow to Whiskeytown Lake	-	231
	Feather River		
A51141	Lake Oroville near Oroville	-	227
2250	Feather River, West Branch, near Paradise	82	-
4370	Indian Creek near Taylorsville	81	-
4455	Red Clover Creek above Abbey Bridge Damsite	79	-
4473	Antelope Lake near Boulder Creek Guard Station	-	226
A54750	Last Chance Creek at Dixie Refuge Damsite	80	-
5100	Feather River, Middle Fork, near Merrimac	83	-
5383	Lake Davis near Portola	-	225
5420	Feather River, Middle Fork, near Portola	78	
5527	Frenchman Lake near Chilcoot	-	224
A56080	Feather River, South Fork, at Ponderosa Dam	84	-
6911	Palermo Canal at Oroville Dam	85	-
	Yuba-Bear Rivers		
A61265	Squirrel Creek near Penn Valley	90	-
5105	Camp Far West Reservoir near Sheridan	-	228
	American River		
A71120	Inflow to Folsom Lake	-	232
	Cache Creek		
A81200	Cache Creek above Rumsey	99	-
1250	Bear Creek near Rumsey.	98	-
1810	Middle Creek near Upper Lake	95	-
1820	Scotts Creek at Upper Lake	-	158
1845	Scotts Creek at Eickhoff Road near Lakeport	96	-
1940	Clover Creek Bypass near Upper Lake	97	-
	Putah Creek		
A91250	Putah Creek near Winters	-	139
5010	Pope Creek near Pope Valley	100	-
HYDROGRAPHIC AREA B			
	San Joaquin Valley Floor		
B01125	Cosumnes River at McConnell	115	139
1520	Dry Creek near Galt	113	-
1580	Deer Creek near Sloughhouse	114	-
2007	Mosher Slough near Stockton	109	-
2010	Bear Creek near Lodi	110	-
B02105	Mokelumne River at Woodbridge	111	139
2520	Calaveras River near Stockton	106	-
2560	Mormon Slough at Bellota	107	-
2580	Stockton Diverting Canal at Stockton	108	-
2805	French Camp Slough near French Camp	104	-
B02835	Duck Creek near Stockton	105	-
7020	San Joaquin River near Vernalis	103	159

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 B (Continued)			
	Cosumnes River		
B11150	Cosumnes River at Michigan Bar	-	139
	Mokelumne-Calaveras Rivers		
B21160	Sutter Creek near Sutter Creek	112	-
	San Joaquin Valley Westside		
B89100	Marsh Creek near Byron	120	-
	Sacramento-San Joaquin Delta		
B91110	Sacramento River at Collinsville	-	174
1160	Threemile Slough at Sacramento River	-	172
1210	Sacramento River at Rio Vista	-	170
1560	Yolo Bypass near Lisbon	-	168
1650	Sacramento River at Walnut Grove	-	166
B91750	Sacramento River at Snodgrass Slough	-	164
1850	Sacramento River near Freeport	-	162
4100	Georgiana Slough at Mokelumne River	-	214
4120	Little Potato Slough at Terminous	-	212
4150	Mokelumne River, South Fork, at New Hope Bridge	-	210
B94175	Mokelumne River near Thornton	-	208
5020	San Joaquin River at Antioch	-	220
5060	Threemile Slough at San Joaquin River	-	218
5100	San Joaquin River at San Andreas Landing	-	216
5180	Old River near Rock Slough	-	206
B95270	Old River near Byron	-	204
5278	Italian Slough near Mouth	-	200
5300	Grantline Canal at Tracy Road Bridge	-	202
5340	Old River at Clifton Court Ferry	-	198
5380	Old River near Tracy Road Bridge	-	194
B95400	Old River at Head	-	178
5420	Tom Paine Slough above Mouth	-	196
5460	Middle River at Bacon Island	-	192
5500	Middle River at Borden Highway	-	190
5540	Middle River at Mowry Bridge	-	188
B95580	San Joaquin River at Venice Island	-	186
5620	San Joaquin River at Rindge Pump	-	184
5660	Stockton Ship Channel at Burns Cutoff	-	182
5740	San Joaquin River at Brandt Bridge	-	180
5820	San Joaquin River at Mossdale Bridge	-	176
B95910	Contra Costa Canal near Oakley	118	-
5920	California Aqueduct at Delta Pumping Plant	119	-
5925	Delta-Mendota Canal near Tracy	117	-
HYDROGRAPHIC AREA E			
	San Francisco Bay		
E03300	Suisun Bay at Benicia	-	222
HYDROGRAPHIC AREA G			
	Surprise Valley		
G12200	Bidwell Creek near Fort Bidwell	121	-
5150	Cedar Creek near Cedarville	122	-
7150	Eagle Creek at Eagleville	123	-
	Eagle Lake		
G31140	Pine Creek at Eagle Lake near Susanville	124	-
2100	Eagle Lake near Susanville	-	160
	Herlong		
G61705	Long Valley Creek near Hallelujah Junction	125	-

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 UMIMPAIRED 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)	23,809	7,948	17,082	4,287	2,274	2,573	705	5,455
1933-34	48	57	51	47	43	44	42	42
1934-35	101	94	97	100	99	100	100	118
1935-36	106	89	102	100	114	132	127	119
1936-37	88	75	78	74	82	90	99	120
1937-38	189	185	186	201	177	175	176	206
1938-39	48	55	48	43	40	41	48	53
1939-40	128	132	131	132	126	132	122	121
1940-41	152	180	159	151	138	122	119	145
1941-42	143	142	148	155	150	152	140	135
1942-43	126	107	124	131	138	151	143	135
1943-44	63	59	61	67	61	57	63	72
1944-45	82	84	88	87	93	98	110	121
1945-46	102	101	102	98	106	111	106	105
1946-47	60	64	61	59	60	55	56	63
1947-48	88	96	92	90	88	87	90	77
1948-49	69	76	70	61	65	72	73	70
1949-50	85	72	85	90	98	104	107	85
1950-51	135	114	134	133	156	180	165	133
1951-52	168	145	167	186	181	193	188	171
1952-53	107	122	118	122	112	103	97	80
1953-54	94	117	102	99	84	78	75	79
1954-55	64	71	64	58	57	61	62	64
1955-56	174	167	175	186	174	181	177	179
1956-57	84	90	87	85	86	83	85	79
1957-58	167	190	174	163	155	159	151	153
1958-59	65	85	71	67	54	48	53	53
1959-60	70	81	76	75	75	65	59	54
1960-61	61	90	70	62	50	41	40	38
1961-62	91	94	88	85	85	80	91	103
1962-63	128	125	135	146	144	138	124	114
1963-64	62	66	64	60	65	63	61	58
1964-65	150	130	150	162	171	174	170	148
1965-66	74	92	76	67	63	54	65	73
1966-67	150	132	141	147	145	154	162	183
1967-68	72	87	80	81	69	66	58	54
1968-69	173	148	157	165	161	166	189	225
1969-70	130	147	140	142	128	123	126	103
1970-71	121	136	133	144	126	116	111	89
1971-72	74	83	79	75	75	73	73	65
1972-73	117	121	118	113	117	117	111	118
1973-74 (c)	172	200	189	190	172	165	143	130
1974-75 (c)	110	116	111	113	100	100	110	113

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

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

(c) Preliminary data subject to revision.

TABLE B-2

MONTHLY UNIMPAIRED RUNOFF

In Percent of Average

		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 1974	Percent	105	118	108	106	50	89	54	84
	Average	512	292	460	107	35	25	5	46
November 1974	Percent	67	85	73	72	43	40	34	48
	Average	918	425	753	170	81	76	17	118
December 1974	Percent	42	55	44	41	21	24	25	43
	Average	1,983	837	1,618	380	202	199	39	253
January 1975	Percent	40	43	41	39	37	40	43	44
	Average	2,542	1,106	2,082	464	247	265	45	300
February 1975	Percent	102	108	102	99	102	81	71	100
	Average	2,907	1,275	2,416	541	287	313	56	400
March 1975	Percent	159	211	172	150	130	120	115	127
	Average	3,017	1,093	2,313	575	296	348	72	501
April 1975	Percent	84	123	94	85	69	66	56	61
	Average	3,664	1,006	2,568	720	383	459	127	864
May 1975	Percent	144	144	153	176	141	144	132	131
	Average	3,940	684	2,286	658	425	519	195	1,409
June 1975	Percent	175	143	176	200	202	178	193	171
	Average	2,467	435	1,262	331	219	278	121	1,069
July 1975	Percent	129	127	132	132	133	156	190	121
	Average	971	297	570	153	54	65	22	370
August 1975	Percent	122	129	126	124	74	171	200	101
	Average	489	251	394	102	24	16	4	89
September 1975	Percent	134	134	133	142	70	150	168	148
	Average	400	247	361	85	20	10	2	36
1974-75 Water Year	Percent	110	116	111	113	100	100	110	113
	Average	23,809	7,948	17,082	4,287	2,274	2,573	705	5,455

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

TABLE B-3

SUMMARY OF MONTHLY 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 Lowlands 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 14 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 the average measured diversions for the 10-year period October 1960 through September 1970. Agricultural use in the lowlands 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.	1974			1975									Water Year Total
		OCT.	NOV	DEC.	JAN	FEB	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
WATER SUPPLY														
Measured Inflow														
Sacramento River at Sacramento	94	1,237	1,309	1,577	1,195	2,639	3,132	1,974	1,861	1,411	1,124	1,199	1,213	19,871
Sacramento Weir Spill to Yolo Bypass	92	0	0	0	0	1	2	0	0	0	0	0	0	3
Yolo Bypass near Woodland	102	1	1	7	1	211	503	77	15	1	0	0	6	823
South Fork Putah Creek near Davis	101	1	1	1	1	9	73	25	2	1	1	1	0	116
Morrison Creek near Sacramento	116	1	1	1	0	4	2	1	0	1	0	1	0	12
Cosumnes River at McConnell	115	1	3	4	10	65	104	70	77	23	3	1	0	361
Dry Creek near Galt	113	0	0	1	2	35	43	15	3	0	0	0	0	99
Mokelumne River at Woodbridge	111	39	26	11	6	4	28	61	55	46	26	27	34	363
Bear Creek near Lodi	110	0	0	0	0	7	6	1	0	0	0	0	0	14
Calaveras River near Stockton	106	0	1	0	0	0	0	0	1	1	1	2	1	7
Stockton Diverting Canal at Stockton	108	1	23	29	1	12	114	2	0	1	0	1	0	184
French Camp Slough near French Camp	104	5	0	1	0	12	28	6	5	5	4	3	7	76
San Joaquin River near Vernalis	103	215	231	256	232	345	349	236	244	340	106	103	158	2,815
Marsh Creek near Byron	120	0	0	0	0	1	2	1	0	0	0	0	0	4
Precipitation		52	28	132	51	242	225	64	0	2	8	18	0	822
TOTAL WATER SUPPLY		1,553	1,624	2,020	1,499	3,587	4,611	2,533	2,263	1,832	1,273	1,356	1,419	25,570
WATER UTILIZATION														
Consumptive Use in Delta Lowlands		97	58	32	36	53	79	118	137	182	214	203	146	1,355
Exportations														
Delta-Mendota Canal	117	212	0	1	165	232	231	251	243	238	283	276	216	2,348
Contra Costa Canal	118	6	4	4	4	5	4	6	7	10	11	10	8	79
City of Vallejo	134	2	1	1	1	1	1	1	1	1	2	2	1	15
California Aqueduct	119	62	111	171	167	135	137	118	94	12	16	254	233	1,510
Delta Uplands Diversion*		23	4	3	1	1	12	34	60	69	80	74	47	408
*Measurement of Delta Uplands diversions was discontinued in 1970. Quantities shown are the 10-year average from 1961 through 1970.														
TOTAL WATER UTILIZATION		402	178	212	374	427	464	528	542	512	606	819	651	5,715

TABLE B-4

STREAMFLOW MEASUREMENTS
AT MISCELLANEOUS SITES

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

TABLE B-4

STREAMFLOW MEASUREMENTS AT MISCELLANEOUS SITES

	Location		Measurements	
	Latitude	Longitude	Date	Discharge (cfs)
American River at Sacramento	38°34'08"	121°25'22"	10-8-74	4,007
American River at Sacramento	38°34'08"	121°25'22"	6-12-75	4,939
American River at Sacramento	38°34'08"	121°25'22"	7-24-75	2,802
American River at Sacramento	38°34'08"	121°25'22"	8-27-76	2,138

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. However, monthly means, monthly acre-feet, and yearly totals are not rounded in this case.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A13060	LASSEN CREEK NEAR WILLOW RANCH

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.3	2.5	3.3	2.4	2.6	24	11	39	72	11	3.6	2.1	1
2	1.3	2.0	2.0	2.4	2.6	21	9.5	49	68	11 •	3.3	2.1	3
3	1.3	2.1	2.1	2.4	2.6	17	9.5	66	65	11	3.1	2.0	3
4	1.4	1.9	2.3	2.4	2.6	15	9.0	54	61	11	2.9	1.9	4
5	1.4	2.1	1.8	2.4	2.6	13	8.8	44	56	11	2.9	1.8	5
6	1.5	2.1	2.2	2.4	2.6	14	8.7	41	50	9.4	2.8	1.8	6
7	1.5	2.2	1.9	2.4	2.6	13	8.0	48	46	8.7	2.8	1.7	7
8	1.5	2.5	2.0	2.4	2.6	12	8.8	66	41	8.2	2.9	1.7	8
9	1.5	2.2	2.9	2.4	2.6	14	15	92	37	7.3	2.7	1.6	9
10	1.4	3.0	3.2	2.4	2.6	11	14	114	33	6.9	2.6	1.6	10
11	1.4	2.2	2.2	2.4	2.6	8.6	13	141	30 •	7.0	2.4	2.2	11
12	1.4	2.1	2.9	2.4	2.6	7.0	13	154	27	7.1	2.3	2.8	12
13	1.4	2.0	3.1	2.4	2.6	6.8	15	168	25	7.2	2.2	1.9	13
14	1.5	2.0	1.8	2.4	2.6	6.3	22	185	23	6.4	2.1	1.8	14
15	1.6	2.0•	2.5	2.4•	2.6	5.8	18	185	21	6.8	2.2	1.7	15
16	1.5	1.8	2.7	2.4	2.6	5.3	14	172	20	9.1	2.2	1.7	16
17	1.4	2.0	2.2	2.4	2.6	4.7	13	165	19	7.4	2.7	1.6	17
18	1.5	2.3	2.5	2.4	2.6	14	13	160	21	6.7	7.8	1.6•	18
19	1.5	2.0	2.4	2.4	2.6	25	27	153	31	6.1	4.6•	1.6	19
20	1.5	1.9	2.4	2.4	2.6	14	23	132 •	25	5.7	3.6	1.6	20
21	1.5	1.9	2.4	2.4	2.6•	8.5	26	108	19	5.3	2.9	1.5	21
22	1.7	1.9	2.4	2.4	3.1	8.5	29	98	17	4.9	2.9	1.5	22
23	1.6	2.1	2.4	2.6	3.3	7.6	31	98	17	4.7	2.6	1.5	23
24	1.7	2.2	2.4	2.6	3.5	9.3	38 •	98	17	4.4	2.6	1.7	24
25	1.8	2.1	2.4	2.6	3.7	26	38	92	18	4.1	2.4	1.5	25
26	1.7	1.8	2.4	2.6	4.2	19	30	86	16	3.9	2.2	1.4	26
27	1.8	2.2	2.4	2.6	15	12 •	26	82	15	3.8	2.2	1.4	27
28	3.1	1.7	2.4	2.6	30	11	25	78	14	3.6	2.6	1.4	28
29	2.8	2.5	2.4	2.6		11	28	76	13	3.7	2.3	1.6	29
30	2.3	4.4	2.4	2.6		15	33	74	12	4.0	2.2	1.4	30
31	2.6		2.4	2.6		14		72		3.8	2.1		31
MEAN	1.7	2.2	2.4	2.5	4.2	12.7	19.2	102	31.0	6.8	2.9	1.7	MEAN
MAX.	3.1	4.4	3.3	2.6	30.0	26.0	38.0	185	72.0	11.0	7.8	2.8	MAX.
MIN.	1.3	1.7	1.8	2.4	2.6	4.7	8.0	39.0	12.0	3.6	2.1	1.4	MIN.
AC. FT.	102	130	148	151	233	780	1145	6327	1843	419	176	103	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
16.0	216	4.94	05	14	1915	0.9	1.65	11	28	2000	11557

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M.D B &M	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
41 53 02	120 20 27	SE27 47N 14E	392	7164	1/23/70	JUNE 61-DATE	JUNE 61-DATE	1961		0.00	LOCAL

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

ABLE B-5 (Cont.)

AILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	414100	PINE CREEK NEAR ALTURAS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	14	15	13	5.1	11	10	12	21	82	41	25	16	1
2	14	14	14	5.1	10	11	12	22	94	41 *	24	16	2
3	15	14	13	5.1	10	12	12	23	101	40	23	16	3
4	14	14	14	5.7	9.9	13	12	24	102	40	23	16	4
5	14	14	13	6.3	9.7	13	12	25	107	40	22	16	5
6	14	14	13	7.0	9.4	13	12	25	109	39	22	16	6
7	14	14	12	7.6	9.1	13	12	27	107	39	21	16 *	7
8	14 *	14	10	8.3	8.9	13	12	28	102	39	21	17	8
9	14	14	13	9.1	8.6	13	12	29	92	39	21	17	9
10	14	14	13	9.9	8.3	13	13	30	82	40	21	17	10
11	14	14	14	11	8.1	13	13	33	74	39	20	17	11
12	14	13	14	11	7.8	13	13	34	69 *	38	18	17	12
13	14	13	13	12	7.6	13	13	39	66	37	16	17	13
14	14	13	14	13	7.4	13	13	46	66	36	18	17	14
15	14	13 *	15	14	7.2	13	13	50	67	37	18	16	15
16	13	12	14	14	7.0	13	13	49	67	38	18	17	16
17	14	12	13	14	6.7	14	14	51	66	35	19	16	17
18	13	13	12	14	6.5	14	14	52	66	34	23	16	18
19	13	13	13	14	6.1	14	14	53	75	33	22	16	19
20	13	12	12	14	5.9	14	14	48 *	64	32	19	16	20
21	13	12	11	14	5.7	14	15	47	58	32	19	15	21
22	13	12	11	14	5.5	14	15	51	57	31	19	15	22
23	13	13	9.9	14	5.9	14	15 *	55	56	30	18	15	23
24	13	13	9.4	14	6.7	15	16	56	55	29	18	15	24
25	13	13	8.9	13	7.4	15	17	56	54	29	18	15	25
26	13	13	8.1	13	8.1	15	18	54	52	28	17	15	26
27	13	13	7.4	12	8.9	14	18	56	49	27	17	15	27
28	16	12	6.7	12	9.7	14	19	58	46	26	17	15	28
29	15	12	6.3	12		13	20	61	44	30	17	14	29
30	15	13	5.7	11		12	20	65	41	28	16	14	30
31	16		5.1	11		12		72		26	16		31
MEAN	13.9	13.2	11.3	11.0	8.0	13.2	14.3	43.2	72.3	34.6	19.5	15.9	MEAN
MAX	16.0	15.0	15.0	14.0	11.0	15.0	20.0	72.0	109	41.0	25.0	17.0	MAX.
MIN.	13.0	12.0	5.1	5.1	5.5	10.0	12.0	21.0	41.0	26.0	16.0	14.0	MIN
AC. FT.	853	783	697	675	443	813	849	2658	4304	2128	1202	944	AC FT

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

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT	MINIMUM MO	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
22.6	125	2.13	06	05	2200	5.1	0.56	12	31	0000	16349

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	435	3.37	6/2/71	NOV 57-DATE	NOV 47-DATE	1957		0.00	LOCAL

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

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A18350	ASH CREEK AT ADIN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	24	40	36	32	41	346	217	350	94	27	31	27	1
2	24	36	36	29	41	394	206	378	91	26	30	27	2
3	25	34	38	32 *	39	433	202	433	86	26	29	28	3
4	25	34	44	40	39	388	197	401	73	26	29	28	4
5	26	34	40	39	38	325	224	349	68	28	29	19	5
6	26	34	38	38	38	496	204	295	63	26	28	14	6
7	26 *	36	38	40	36	420	177	280	56	25	28	14	7
8	27	37	37	49	44	435	194	288	54	24	29	17	8
9	29	38	36	42	101	477	204	312	49	24	29	18	9
10	28	35	36	39	121	329	333	338	46 *	24	29	22	10
11	27	35	37	38	124	225	328	351	41	24	28	24	11
12	26	35	40	37	320	179	318	353	40	25	26	22	12
13	30	35	40	36	673	161	338	351	37	26	27	20	13
14	28	35 *	42	36	332	131	551	369	36	27	27	22	14
15	27	34	44	36	137	138	435	374	34	30	28	21	15
16	32	34	46	37	94	150	314	332	32	34 *	29	23	16
17	34	34	42	38	69	136	249	322	31	32	29	21 *	17
18	32	38	39	39	65	217	227	295	33	31	44	19	18
19	30	36	38	40	66	533	395	280 *	44	36	35	19	19
20	29	34	41	42	66	335	376	241	55	28	31 *	20	20
21	30	34	44	42	61	230	399	206	37	25	30	21	21
22	30	35	39	41	58	187	401	201	31	23	31	20	22
23	31	34	34	47	67	192	412	191	27	28	29	22	23
24	34	34	36	64	87	244	557	175	36	36	29	24	24
25	35	41	36	70	137	573	608 *	162	46	31	29	23	25
26	33	38	36	65	161	312 *	475	140	40 *	29	26	24	26
27	33	37	37	43	296	245	383	132	34	28	28	24	27
28	41	36	32	36	374	183	328	125	31	28	27	24	28
29	38	35	31	37		186	320	116	29	29	24	27	29
30	35	36	36	33		268	333	103	29	30	26	28	30
31	43		30	36		292		96		31	27		31
MEAN	30.3	35.6	37.8	41.1	133	295	330	269	46.8	28.0	29.1	22.1	MEAN
MAX.	43.0	41.0	46.0	70.0	673	573	608	433	94.0	36.0	44.0	28.0	MAX.
MIN.	24.0	34.0	30.0	29.0	36.0	131	177	96.0	27.0	23.0	24.0	14.0	MIN.
AC. FT.	1860	2118	2327	2525	7388	18169	19646	16540	2783	1720	1787	1313	AC. FT.

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

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT	MAXIMUM MO	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT	MINIMUM MO	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
108.0	889	9.21	04	24	1830	12.0	4.61	12	29	0700	78176

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R M.D B &M	CFS	GAGE HT	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
41 11 54	120 56 30	SW21 39N 9E	2950	14.69	1/24/70	MAR 37-SEP 57[1] SEP 57-DATE	MAR 37-SEP57[1] SEP 57-DATE	1957		0.00	LOCAL

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

[1] - Irrigation season only

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A15145	BURNEY CREEK NEAR BURNEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	16	39	25	29	29	83	139	193	165	40	22	19	1
2	17	37	31	29	30	93	129 *	203	162	38	21	19	2
3	17	37	74	29 *	29	92	148	284	156	36 *	21	18	3
4	18	32	51	28	30 *	87	124	273	148	35	21	18	4
5	18	33	35	28	30	83	119	214	141	35	20	18	5
6	18	32	32	27	30	84	114	190	133	33	20	18	6
7	18 *	33	30	33	41	100	109	190	128	32	20	17	7
8	19	33	29	78	66	134	108	203	120	32	18	17 *	8
9	20	27	28	40	142	140	107	221	105	31	18	17	9
10	21	27	27	33	116	120	106	237	99 *	31	18	17	10
11	22	26	27	31	97 *	105	102 *	254	94	31	18	17	11
12	23	26	30	30	282	94	110	265	89	30	17	17	12
13	24	25	29	29	577 *	90	120	276	85	30	17	17	13
14	25	25 *	27	28	209	82	127	293	81	29	17	17	14
15	26	25	27	28	134	80	113	309	77	29	17	17	15
16	27	25	27	27	110	78	106	290	74	30	17	16	16
17	29	26	28	27	94	79	102	278	70	29	17	16 *	17
18	29	29	27	27	85	197	101	270	66	28	21	16	18
19	28	27	26	26	108	515	110	268 *	63	27	19	16	19
20	27	27	26	26	94 *	312	115	246	62	25	18 *	16	20
21	29	35	27	26	78	216	121	215	60	25	18	16	21
22	30	29	26	26	73	190	128	202	57	26	18	15	22
23	31	29	25	26	70	166	133 *	194	54	25	18	15	23
24	33	31	24	26	67	185	279	188	52	23	18	15	24
25	34	32	26	27	65	378	321	182	51	23	18	15	25
26	35	30	26	33	64	291	236	175	50	23	18	15	26
27	37	28	50	30	66	226	198	169	49	22	18	15	27
28	45	25	33	30	74	183	186	165	47	22	20	15	28
29	35	25	33	28		163	181	162	45	22	19	15	29
30	35	25	30	30		161	186	160	43	23	19	15	30
31	46		31	26		159		163		22	18		31
MEAN	26.8	29.3	31.2	30.4	103	160	142	223	87.5	28.6	18.7	16.5	MEAN
MAX	46.0	39.0	74.0	78.0	577	515	321	309	165	40.0	22.0	19.0	MAX.
MIN.	16.0	25.0	24.0	26.0	29.0	78.0	101	160	43.0	22.0	17.0	15.0	MIN.
AC. FT.	1650	1745	1918	1866	5732	9850	8485	13751	5209	1759	1148	980	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
74.7	1070	6.49	02	13	0630	15.0	3.01	09	22	0000	54095

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T & R M D B &M	OF RECORD CFS	GAGE HT	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
42 52 35	121 40 13	SE19 35N 3E	1070	6.49	2/13/75	NOV 74-DATE	NOV 74-DATE	1974		0.00	LOCAL

Station located at Park Ave Bridge. Tributary to Pit River. Stage-discharge relationship affected by Ice at times. Prior to November 1974 Station A15150 was located 1 mile upstream, at different Datum. Flow affected by upstream diversions. Drainage Area 88.7 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A03545	COTTONWOOD CREEK NORTH FORK NEAR IOO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	10	30	25	54	140	157	576	333	95	30	19	7.7	1
2	9.9	30	74	52 •	145	270	549	329	93	30	18	7.4	2
3	10	30	482	48	150	215	526	330	89	30	17	6.9	3
4	11	30	217	50	150	188	503	316	85	29	16	4.8	4
5	11	30	90	65	180	178	502	300	83	30	16	4.7	5
6	11	30	72 •	191	293	221	438	285	84	30	15	4.3	6
7	11	34	62	171	608	1,890	435	278	82	29	15 •	4.0	7
8	12	35	57	250	604	1,700 •	433	274	77	29	14	4.0	8
9	12	31	57	153	790	1,050	371	270 •	75 •	26	12	4.4	9
10	12	30	56	129	454	1,310	333 •	270	71	31 •	10	5.0•	10
11	12	29	56	108	305 •	863	319	258	69	32	8.8	5.4	11
12	12	24	60	98	2,370	635	315	248 •	68	31	7.4	5.1	12
13	11	23	59	92	1,800	558	322	246	64	31	7.1	4.9	13
14	11	23	63	90	712	448	349	247	64	31	6.8	5.2	14
15	11	24	65	86	504	471	325	244	64	39	6.5	5.0	15
16	11	25	66	83	408	452	306	237	62	38	6.6	7.0	16
17	12	25	65	80	338	1,390	289	218	59	34	7.1	6.6	17
18	12	32	64	80	293	2,300	278	196	50	32	12	6.7	18
19	12	28	57	77	325	1,460	274	167	36	30	11	7.0	19
20	12	27	43	76	262	922 •	266	161	36	30	9.9	11	20
21	11	34	44	73	211	1,200	266	151	35	29	8.4	13	21
22	11	40	44	70	177	1,120	269	144	33	29	8.3	13	22
23	11	30	43	66	156	945	313	139	32	28	7.9	15	23
24	12	29	42	63	147	1,300	510	129	34	27	7.9	22	24
25	13	32 •	41	63	144	1,640	476	122	35	25	7.5	28	25
26	13	35	41	61	137	1,020	418	117	34	23	7.1	28	26
27	20	33	178	59	132	828	384	110	32	22	7.9	26	27
28	101	31	121	57	131	719	361	104	31	22	9.4	11	28
29	31	30	66	57		634	345	100	30	22	8.3	6.4	29
30	23	25	57	56		623	337	100	31	21	8.1	7.4	30
21	33		54	63 •		621		97		19	7.8		21
MEAN	16.3	29.6	81.3	87.7	430	881	379	210	57.8	28.7	10.4	9.7	MEAN
MAX.	101	40.0	482	250	2,370	2,300	576	333	95.0	39.0	19.0	28.0	MAX.
MIN.	9.9	23.0	25.0	48.0	131	157	266	97.0	30.0	19.0	6.5	4.0	MIN
AC. FT.	1001	1763	5000	5393	23933	54204	22588	12932	3437	1763	642	577	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
184.0	3810	34.68	02	12	1630	3.6	29.73	09	07	2330	133235

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. SE of Ono. Tributary to Sacramento River via Cottonwood Creek. Flow affected by upstream diversion and release 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
1975	A03595	COTTONWOOD CREEK SOUTH FORK NEAR COTTONWOOD

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.6	22	15	42	102	621	756	371	434	76	18	7.4	1
2	1.7	21	21	41 •	123	756	657	413	421	75	16	6.9	2
3	1.7	18	115	38	102	630	590 •	454	351 •	74	15	6.6	3
4	1.9	16 •	168 •	40	128	487	539	439	295	73	14	6.2	4
5	1.9	16	61	65	107 •	442	499	403	288	72	12	5.5	5
6	2.0	17	63 •	251	123	441	452	334	293	70	12	4.8	6
7	1.9	20	48	320	329 •	3,270	423	322	271	68	11 •	4.3	7
8	2.3	21	37	390	592	2,290 •	407	384	253	67	10	3.8	8
9	3.1	24	29	276	1,670	1,450	331	453 •	223	65	9.9	3.4	9
10	3.1	23	26	166	871	1,220	299	494	203	63 •	9.7	3.2•	10
11	3.1	22	24	131	438 •	862	291	468	190	60	9.0	3.8	11
12	3.0	21	25	115	1,460	650	290	428	177	57	8.5	4.1	12
13	3.0	19	35	109	3,780	530	316	452 •	167	54	8.3	3.9	13
14	2.8	18	46	102	1,820	438	402	582	162	52	8.2	3.8	14
15	2.5	19	38	99	1,030	397	401	615	153	58	8.7	3.8	15
16	2.1	20	40	95	717	452	341	531	141	70	8.8	3.7	16
17	2.0	21	38	92	502	536	284	466	132	65	8.1	3.5	17
18	2.3	21	34	87	445	1,540	261	483	124	57	11	3.5	18
19	2.2	22	31	83	505	2,000	257	533	119	52	14	3.3	19
20	2.2	24	30	79	1,140	1,300	260	465	115	47	15	3.3	20
21	1.9	25	30	75	695	2,050	274	390	109	43	13	3.2	21
22	1.7	26	29	71	471	1,290	307	323	104	40	11	2.8	22
23	1.8	27	31	69	437	966	326	312	100	36	10	2.6	23
24	2.1	27	30	66	426	1,220	450	348	95 •	33	9.9	2.6	24
25	2.7	26	31	62	435	2,760	732	373	94	29	9.2	2.6	25
26	2.8	25 •	34	59	446	1,620	518	327	90	26	8.2	2.3	26
27	4.0	24	42	56 •	446	1,310	431	338	84	24	7.9	2.1	27
28	11	21	107	57	557	954	410	338	80	22	9.3	2.0	28
29	25	19	65	53		786	361	340	78	20	10	2.1	29
30	23	17	51	51		769	351	372	76	20	9.5	2.2	30
31	22		48	55		846		415		19	8.3		31
MEAN	4.7	21.4	45.9	106	711	1,132	407	418	180	51.2	10.8	3.8	MEAN
MAX.	25.0	27.0	168	390	3,780	3,270	756	615	434	76.0	18.0	7.4	MAX.
MIN.	1.6	16.0	15.0	36.0	102	397	257	312	76.0	19.0	7.9	2.0	MIN.
AC. FT.	286	1273	2820	6540	39505	69628	24230	25718	10754	3148	661	225	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
255.2	7950	9.16	03	07	1245	1.4	0.93	10	24	0545	184786

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 18 58	122 26 52	SE32 29N 5W	18,700	13.30	1/16/73	APR58-DATE	APR 58-DATE	1958		0.00	LOCAL

Station located at Bowman Road bridge, 11 mi. SE 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
1975	A03460	REDBANK 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	10	155	22	118	20	2.2	0.0	0.0	0.0	1
2	0.0	0.0	0.0*	7.7*	114	26	102	20	2.5	0.0	0.0	0.0	2
3	0.0	0.0	290	5.3	71 *	23	92	20	2.4*	0.0	0.0	0.0	3
4	0.0	0.0	295	4.7	148	21	84	20	1.8	0.0	0.0	0.0	4
5	0.0	0.0	25	4.3	76	21	86	19	1.6	0.0	0.0	0.0	5
6	0.0	0.0	12	8.5	160	24 *	80	17 *	1.4	0.0	0.0	0.0	6
7	0.0	0.0	7.6	11	432	2,120	69	1[illegible] *	1.3	0.0	0.0*	0.0	7
8	0.0	0.0	5.4	11	927	1,480	64	13	1.0	0.0	0.0	0.0	8
9	0.0	0.0	3.7	12	1,070	559	54 *	12	0.8	0.0	0.0	0.0	9
10	0.0	0.0	2.7	9.9	331 *	629 *	47	11	0.6	0.0*	0.0	0.0*	10
11	0.0	0.0	2.1	7.7	146	346	41	11	0.6	0.0	0.0	0.0	11
12	0.0	0.0	1.9	5.6	701	194	38	10	0.5	0.0	0.0	0.0	12
13	0.0	0.0	1.6	4.3	894	138	37	9.4	0.4	0.0	0.0	0.0	13
14	0.0	0.0	1.3	3.9	201	104	43	8.9	0.4	0.0	0.0	0.0	14
15	0.0	0.0	1.2	3.4	111	100	41	8.8	0.3	0.0	0.0	0.0	15
16	0.0	0.0	1.1	2.8	84	153	34	8.2	0.3	0.0	0.0	0.0	16
17	0.0	0.0	0.9	2.1	63	636	31	7.2	0.3	0.0	0.0	0.0	17
18	0.0	0.0	0.8	1.9	46	728	29	6.3	0.3	0.0	0.0	0.0	18
19	0.0	0.0	0.7	1.6	43	362	28	4.9	0.2	0.0	0.0	0.0	19
20	0.0	0.0	0.7	1.5	43	233	26	4.5	0.2	0.0	0.0	0.0	20
21	0.0	0.0	0.7	1.3	34	1,610	25	5.4	0.2	0.0	0.0	0.0	21
22	0.0	0.0	0.7	1.1	28	1,100	23	5.4	0.1	0.0	0.0	0.0	22
23	0.0	0.0	0.6	1.0	25	734	26	5.2	0.1	0.0	0.0	0.0	23
24	0.0	0.0	0.5	0.9	26	1,110	31	4.4	0.1	0.0	0.0	0.0	24
25	0.0	0.0	0.5	0.9	25	977	33	3.8	0.1	0.0	0.0	0.0	25
26	0.0	0.0	0.6	0.8	23	462	29	3.7	0.0	0.0	0.0	0.0	26
27	0.0	0.0	69	0.6	22	314	24	3.5	0.0	0.0	0.0	0.0	27
28	0.0	0.0	106	0.6	22	225	23	3.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	30	0.5		103	22	2.8	0.0	41	0.0	0.0	29
30	0.0	0.0	17	0.5		160	21	2.5	0.0	2.3	0.0	0.0	30
31	0.0		12	3.1		140		2.2		0.3	0.0		31
MEAN	0.0	0.0	28.8	4.2	217	481	46.7	9.3	0.7	1.4	0.0	0.0	MEAN
MAX.	0.0	0.0	295	12.0	1,070	2,120	118	20.0	2.5	41.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.5	22.0	21.0	21.0	2.2	0.0	0.0	0.0	0.0	MIN.
AC FT.			1768	259	12101	29621	2779	569	39	86			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	MD.	DAY	TIME	DISCHARGE	GAGE HT	MD	DAY	TIME	ACRE FEET
65.2	6310	9.41	03	07	1200	0.0	3.50	10	01	0000	47223

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 05 25	122 24 45	SE22 26N 5W	9729	10.06	1/5/65	FEB 48-JUL 49[U] MAY 50-MAY 56 NOV 56-DATE	FEB 48-JUL 49 [U] MAY 50-MAY 56 NOV 56-DATE	1956		0.00	LOCAL

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

[U] - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A02700	SACHAMENTU RIVER AT VINA BRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	8,980	11,800	11,500	8,390	14,900	13,800	16,400	19,800	17,900	13,300	11,900	12,600	1
2	9,020	10,600	11,700	8,260	26,000	14,400	15,500 *	19,800	17,700	13,200	11,800	12,700	2
3	9,110	9,570	14,300	8,210	15,500	14,600	14,900	20,400	17,500	13,200	11,800	12,200	3
4	9,100	8,770	27,200	8,130	15,200	14,000	15,400	21,500	17,500	13,100	11,900	11,200	4
5	9,080	8,330	14,600	8,180	13,900	13,500	17,200	20,700	17,600	13,200	11,800	10,500	5
6	9,070	8,230	12,800	10,700	14,800	13,600	17,900	20,400	18,200	13,100	11,800	9,050	6
7	9,100	8,320	12,200	12,800	25,600	30,300	18,300	20,600	18,100	13,100	11,800	9,040	7
8	9,020	9,210	12,100	18,300	34,000	49,500	17,000	20,200	17,700	13,000	11,900	9,040	8
9	9,220	10,900	11,900 *	13,200	48,800	43,300	17,000	20,600	17,200	13,000	12,600	8,920	9
10	9,140	11,600	11,800	10,300	30,000	37,100	19,600	21,000	17,100	13,000	12,700	9,170 *	10
11	9,180	11,600	11,800	9,480	20,900	33,300	19,000	21,000	17,000 *	13,000	12,400	9,230	11
12	9,100	11,700	11,800	9,010	32,000	26,800	19,400	21,100	17,000	13,000	12,600 *	9,210	12
13	9,250	11,700	11,900	8,750	90,900	26,400	16,200	21,200 *	16,600	12,900	12,300	9,050	13
14	9,250	11,600 *	12,000	8,590	53,000	28,100	17,300	21,600	16,700	13,000	12,300	9,060	14
15	9,260	11,700	11,900	8,480	32,600	24,200	18,000	22,200	16,600	13,000 *	12,300	9,050	15
16	9,200	11,600	11,800	8,400 *	27,800	25,700	15,300	21,700	16,700	13,200	12,300	8,990	16
17	9,200	11,600	11,600	8,250	25,100	25,300	15,200	21,300	16,500	13,100	12,300	9,000	17
18	9,210	11,600	10,900	8,330	22,900	50,600	15,800	21,300	16,200	12,800	12,700	9,070	18
19	9,480	11,600	9,760	8,250	21,000	70,100	16,000	21,500	15,800	12,600	13,200	9,230	19
20	10,500	11,600	9,780	8,250	29,300 *	63,800	16,300	20,500	15,200	12,500	13,000	9,270	20
21	11,100	11,600	9,640	8,250	23,100	59,100	15,600	19,200	14,700	12,500	12,800	9,270	21
22	11,200	11,700	9,620	8,250	20,900	74,600	15,700	18,700	14,100	12,400	12,600	9,320	22
23	10,700	11,600	9,550	8,210	20,000	49,200	15,700	18,200	13,900	12,100	12,500	9,270	23
24	9,190	11,600	9,460	8,250	19,400	49,500	16,900	17,800	14,100	12,300	12,500	9,220	24
25	9,130	11,600	9,290	8,310	18,600	75,100	21,800	17,800	14,000	12,500	12,500	9,240	25
26	9,140	11,600	8,600	8,330	16,800	56,300	20,000	17,600	13,900	12,200	12,500	9,170	26
27	9,280	11,700	9,110	8,300	14,800	39,500	18,500	17,600	13,800	12,000	12,600	9,230	27
28	9,980	11,600	18,400	8,260	13,500	33,500	17,900	17,500	13,500	12,000	12,600	9,180	28
29	10,500 *	11,600	10,300	8,280		27,700	17,800	17,600	13,500	12,000	12,700	9,280	29
30	11,100	11,500	8,940	8,250		21,700	19,300	17,700	13,400	11,900	12,700	9,170	30
31	11,900		8,580	8,460		18,200		17,700		11,900	12,700		31
MEAN	9,603	10,977	11,761	9,142	26,496	36,219	16,763	19,858	15,996	12,712	12,390	9,597	MEAN
MAX.	11,900	11,800	27,200	18,300	90,900	75,100	21,800	22,200	18,200	13,300	13,200	12,700	MAX.
MIN.	8,980	8,230	8,580	8,130	13,500	13,500	14,900	17,500	13,400	11,900	11,800	8,920	MIN.
AC. FT.	590479	653216	723153	562135	1471536	2227040	997487	1221024	951867	781886	761851	571101	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
15902.1	106000	85.26	02	13	1730	7870.0	66.63	01	04	0400	11512576

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & R M.D B &M	OF RECORD CFS	GAGE HT	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
39 54 34	122 05 31	NE28 24N 2W	171,000	91.48	1/24/70	APR 45-DATE	APR 45-DATE	1945 1945		100.00 97.15	USED USCGS

Station located 250 ft. above Vina-Corning Highway bridge, 2.6 mi. SW of Vina. The maximum discharge of record is for the main river channel and does not include water by-passing the station on the left bank. Flow regulated by Shasta Lake since December 30,1943. Approximately 190,000 acre-feet diverted from the river between Keswick and Vina in addition to diversions from the tributaries. Trans-basin diversions from the Trinity River to Whiskeytown Reservoir via Judge Francis Carr Powerplant began in April 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
1975	A02630	SACRAMENTO RIVER AT HAMILTON CITY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	8,340	11,900	11,700	8,460	13,100	13,900	17,400	17,200	15,400	11,100	10,300	10,300	1
2	8,390	10,800	11,900	8,270	26,500	14,400	15,900 •	17,200	15,300	11,000	10,300	10,500	2
3	8,390	9,650	13,600	8,200	16,600	14,800	15,100	17,600	15,100	10,900	10,300	10,300	3
4	8,420	8,770	29,100	8,110	14,600	14,200	15,100	19,000	15,100	10,900	10,100	9,550	4
5	8,440	8,150	16,400	8,110	14,200	13,600	16,800	18,300	15,200	10,900	10,100	9,030	5
6	8,390	8,000	13,500	9,610	14,300	13,600	16,000	17,900	15,700	10,900	10,100	7,920	6
7	8,370	8,030	12,700	13,700	23,900	24,600	16,400	18,200	15,700	11,000	10,100	7,710	7
8	8,300	8,790	12,500	17,400	35,200	52,100	16,600	17,800	15,300	10,800	9,980	7,700	8
9	8,430	9,910	12,300	14,800	50,500	46,500	17,300	18,100	14,900	10,700	10,100	7,720	9
10	8,390	11,400	12,200	10,900	33,900	39,500	15,600	18,500	14,700	10,700	10,100	7,940	10
11	8,370	11,500	12,200 •	9,740	22,600	36,100	14,800	18,500	14,600 •	10,700	9,970	8,040	11
12	8,290	11,500	12,200	9,200	26,900	30,900	14,400	18,700	14,500	10,600	10,100	8,230 •	12
13	8,420	11,600	12,200	8,860	83,500	28,100	15,400	18,700 •	14,300	10,600	9,920 •	8,100	13
14	8,440	11,500 •	12,400	8,630	67,300	27,300	16,000	19,200	14,200	10,600	9,960	8,180	14
15	8,400	11,600	12,200	8,470	36,000	25,800	17,300	19,700	14,100	10,600	9,920	8,190	15
16	8,390	11,600	12,200	8,390 •	29,500	26,400	14,300	19,500	14,200	11,000 •	9,950	8,180	16
17	8,340	11,600	12,000	8,260	26,500	26,600	13,600	19,200	14,000	11,000	10,000	8,230	17
18	8,330	11,700	11,200	8,240	24,200	45,900	13,900	19,100	13,700	10,700	10,400	8,240	18
19	8,470	11,700	10,000	8,230	21,900	64,900	13,700	19,300	13,400	10,600	10,700	8,300	19
20	9,470	11,700	9,970	8,200	29,000	67,900	14,300	18,700	12,700	10,500	10,800	8,340	20
21	10,200	11,600	9,860	8,170	24,200 •	57,800	13,200	17,100	12,400	10,500	10,500	8,360	21
22	10,300	11,900	9,760	8,160	21,800	80,600	13,100	16,600	11,800	10,400	10,300	8,420	22
22	10,200	11,900	9,680	8,160	20,800	53,400	13,400	16,200	11,600	10,100	10,200	8,340	23
24	8,770	11,600	9,590	8,120	20,100	50,500	14,100	15,600	11,700	10,300	10,100	8,320	24
25	8,550	11,600	9,540	8,210	19,400	70,800	18,900	15,600	11,700	10,400	10,100	8,370	25
26	8,550	12,000	8,840	8,250	17,500	63,700	18,000	15,500	11,500	10,400	10,100	8,400	26
27	8,670	11,900	8,570	8,200	15,500	44,100	16,300	15,300	11,400	10,300	10,100	8,590	27
28	9,270	11,800	19,000	8,170	13,800	36,700	15,500	15,200	11,300	10,300	10,200	8,750	28
29	9,850	11,600	11,400	8,190		31,300	15,200	15,300	11,300	10,400	10,200	8,830	29
30	10,500 •	11,800	9,290	8,130		24,700	16,500	15,300	11,200	10,200	10,300	8,570	30
31	11,500		8,700	8,360		20,300		15,300		10,200	10,300		31
MEAN	8,875	10,996	12,151	9,158	27,260	37,458	15,526	17,529	13,600	10,622	10,180	8,521	MEAN
MAX.	11,500	12,000	29,100	17,400	83,500	80,800	18,900	19,700	15,700	11,100	10,800	10,500	MAX.
MIN.	8,290	8,000	8,570	8,110	13,100	13,600	13,100	15,200	11,200	10,100	9,920	7,700	MIN.
AC. FT.	545732	654347	747173	563107	1513983	2303205	923900	1077818	809256	653157	625983	507074	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
15090.1	103000	44.99	02	13	2345	7340.0	28.50	09	09	1930	10924735

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	158,000	49.65	1-17-74	SPR 45-DATE	27-DATE	1927	1945	127.9	USED
								1945		100.0	USED
								1945		96.5	USCGS

Station located at Gianella bridge, State Highway 32, 1.0 mi. NE of Hamilton City. The maximum discharges of record since Feb. 1940, are for the main river channel and do not include water by-passing the station on the left bank. Flow regulated by Shasta Lake since December 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 Whiskeytown Reservoir via Judge Francis Carr Powerplant began in April 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
1975	404242	MUD CREEK NEAR CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.1	0.2	7.1	438	12	44	17	1.9	0.0	0.0	0.0	1
2	0.0*	0.0	0.9	5.2	492	14	39	15	2.0	0.0	0.0	0.0	2
2	0.0	0.0	324	4.1	85	12	37 *	15	1.9	0.0*	0.0	0.0*	3
4	0.0	0.0	173	3.5	91	11	34	14	1.5	0.0	0.0	0.0	4
5	0.0	0.0	21	3.2	66	11	40	14	1.2	0.0	0.0*	0.0	5
6	0.0	0.0	8.6	71	134	23 *	37	12	0.4	0.0	0.0	0.0	6
7	0.0	3.2	5.0	62	168	263	34	12	0.9	0.0	0.0	0.0	7
8	0.0	5.7*	3.1	81	NR	367	52	11	0.6	0.0	0.0	0.0	8
9	0.0	0.3	2.1*	37	NR	635	53 *	12	0.3	0.0	0.0	0.0	9
10	0.0	0.0	1.6	21	NR	248	44	11	0.2	0.0	0.0	0.0	10
11	0.0	0.0	1.3	14	NR	144	40	9.5	0.1	0.0	0.0	0.0*	11
12	0.0	0.0	1.9	10	NR	92	35	8.7	0.1	0.0	0.0	0.0	12
13	0.0	0.0	5.8	8.0	657	84	32	9.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	3.3	6.5	265	83	31	7.6	0.0	0.0	0.0	0.0	14
15	0.0	0.0	1.9	5.4	134	59	26	7.4	0.0	0.1	0.0	0.0	15
16	0.0*	0.0	1.4	4.7	88	154	26	7.1	0.0	0.0	0.0	0.0	16
17	0.0	0.0	1.0	3.9	60	72	23	5.9	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.8	3.5	48	93	21	5.6	0.0*	0.0	0.0	0.0	18
19	0.0	0.1	0.7	3.2	48	253	21	5.4	0.0	0.0	0.0	0.0	19
20	0.0	0.1	0.8	2.9	46	182	19	5.3*	0.0	0.0	0.0	0.0	20
21	0.0	0.3	0.8	2.6*	35	746	16	5.0	0.0	0.0	0.0	0.0	21
22	0.0	0.9	3.7	2.2	28	305	17	4.6	0.0	0.0*	0.0*	0.0	22
23	0.0	1.0	0.5	2.0	24	158	16	4.2	0.0	0.0	0.0	0.0	23
24	0.0	0.6	0.6	1.8	22	177	24	3.8	0.0	0.0	0.0	0.0	24
25	0.0	0.4	0.9	1.8	20	258	27 *	3.5	0.1	0.0	0.0	0.0	25
26	0.0	0.5	0.9	1.7	18	162	23	3.1	0.2	0.0	0.0	0.0	26
27	0.0	0.6*	267	1.4	15	121	21	2.9	0.0	0.0	0.0	0.0	27
28	1.4	0.4	398	1.3	12	90	20	2.5	0.0	0.3	0.0	0.0	28
29	0.0	0.3	44	1.6		70	19	2.1	0.0	0.0	0.0	0.0	29
30	0.0*	0.3	29	1.8		58	19	2.0	0.0	0.0	0.0	0.0	30
31	3.0		9.8	4.2		52		1.8		0.0	0.0		31
MEAN	0.1	0.5	42.0	12.2	NR	161	29.8	7.7	0.4	0.0	0.0	0.0	MEAN
MAX.	3.0	5.7	398	81.0	NR	746	53.0	17.0	2.0	0.1	0.0	0.0	MAX.
MIN.	0.0	0.0	0.2	1.3	NR	11.0	16.0	1.8	0.0	0.0	0.0	0.0	MIN.
AC. FT.	9	29	2582	753	NR	9929	1773	476	24				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
NR	NR					NR					NR

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 47 02	121 53 06	SE5 22N 1E	10,400		1/13/69	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
1975	A00928	MUD CREEK DIVERSION AT CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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	20	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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0*	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	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	0.0	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	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	0.0	20.0	0.0	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.					40								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
0.1	187	8.96	02	13	0900	0.0	7.16	10	01	0000	40

LOCATION			MAXIMUM DISCHARGE			PERIDD DF RECORD		DATUM OF GAGE			
LATITUDE	LDNGITUDE	1 4 SEC T & R M D B &M	DF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIDD		ZERD ON GAGE	REF DATUM
			CFS	GAGE HT.	DATE			FROM	TD		
39 47 07	121 48 01	SW18 22N 2E	N.R.			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. Creat 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
1975	A04250	BIG CHICO CREEK AT CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	8.6	30	25	41	215	131	234	202	51	23	12	11	1
2	8.7	24	26	38	449	193	204	186	52	22	9.7	12	2
3	9.1	21	145	36	229	214	190	185	48	22	12	9.1	3
4	9.3	21	311	34	315	183	190	168	44	22	12	8.7	4
5	9.1	21	87	35	223	160	290	172	42	21	6.8	8.2	5
6	9.1	21	55	65	183	183 *	165	159	40	20	11	7.5	6
7	9.2	20	44	112	312	443	176	150	39	17	8.2	7.5	7
8	14	36 *	38	301	905	674	212	144	38	17	9.1	7.6	8
9	15	26	35	172	729	664	215	138	36	18	9.6	8.2	9
10	14	22	33	106	985	593	218	134	33	17	9.2	9.2	10
11	13	21	31 *	79	351	502	221	130	32	17	10	11 *	11
12	12	21	31	63	443	416	227	128	32	17	7.7	10	12
13	12	20	33	55	850 *	343	228	128	31	16	9.0	9.2	13
14	12	20	32	49	634	275	246	127	31	16	9.5	9.2	14
15	12	20	34	46	469	235	234	125	30	15	9.4	9.7	15
16	12 *	20	33	43	379	282	210	120	29	21	9.5	8.9	16
17	12	20	32	42	277	240	189	114	28	20	9.5	8.5	17
18	12	24	32	40	216	463	170	109	27 *	18	14	8.2	18
19	12	26	31	39	200	764	162	103	28	17	18	8.4	19
20	12	23	31	38	252	697	154	101 *	29	17	16	8.6	20
21	12	26	30	37 *	218	634	148	96	28	17	14	8.8	21
22	13	46	33	36	187	556	146	91	27	13 *	17 *	8.1	22
23	13	33	33	35	160	460	149	77	26	13	17	7.9	23
24	14	28	33	34	144	448	279 *	74	26	13	15	8.1	24
25	15	29	32	33	134	731	509	71	32	13	13	7.8	25
26	15	30	32	33	125	642	423	67	28	12	11	7.3	26
27	19	27	109	33	122	539	350	64	26	12	11	7.4	27
28	29	26	166	32	123	446	287	61	25	13	12	7.2	28
29	29	26	75	35		373	248	56	24	11	11	7.5	29
30	21	25	54	32		305	222	53	23	12	10	7.6	30
31	29		46	36		270		52		11	11		31
MEAN	14.1	25.3	56.3	58.4	326	421	227	116	32.8	16.5	11.4	8.6	MEAN
MAX.	29.3	46.0	311	301	850	764	509	202	52.0	23.0	18.0	12.0	MAX.
MIN.	8.4	20.0	25.0	32.0	122	131	148	52.0	23.0	11.0	6.8	7.2	MIN
AC FT	865	1505	3463	3590	16107	25902	13543	7150	1954	1018	704	513	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
108.2	932	9.43	02	13	1030	1.5	3.61	06	11	2300	78314

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	N.R.			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
1975	A00615	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	0.0	27	3.3	34	18	0.0	0.0	0.0	0.0	1
2	0.0*	0.0	0.0	0.0	85	13	26	14	0.0	0.0	0.0	0.0	2
3	0.0	0.0	7.7*	0.0	8.7	21	21	13	0.0	0.0*	0.0	0.0*	3
4	0.0	0.0	32	0.0	21	14	20	15	0.0*	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	9.3	10	24	11	0.0	0.0	0.0*	0.0	5
6	0.0	0.0	0.0	0.2	5.0	20 *	20	8.1	0.0	0.0	0.0	0.0	6
7	0.0	0.3	0.0	0.0*	29	145	17	5.7	0.0	0.0	0.0	0.0	7
8	0.0	0.0*	0.0	6.6	264	466	25	4.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	1.3	888	480	26 *	2.7	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	369	312	26	1.8	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	130	167	27	1.5	0.0	0.0	0.0	0.0*	11
12	0.0	0.0	0.0	0.0	395 *	93	28	1.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	1,640 *	66	28	0.6	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	488	46	31	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	166	37	29	0.0	0.0	0.0	0.0	0.0	15
16	0.0*	0.0	0.0	0.0	84	48	22	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0*	0.0	44	36	17	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	23	124	13	0.0	0.0*	0.0	0.0	0.0	18
19	0.0	0.0	1.0	0.0	18	990	11	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	29	572	8.3	0.0*	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0*	21	353	6.8	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	14	208	6.2	0.0	0.0	0.0*	0.0*	0.0	22
23	0.0	0.0	0.0	0.0	9.7	121	6.1	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	6.4	116	54	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	4.1	785	139	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	2.8	413	84	0.0	0.0	0.0	0.0	0.0	26
27	0.8	0.0	4.5	0.0	1.8	204	56	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	8.2	0.0	1.4	120	39	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0		79	29	0.0	0.0	0.0	0.0	0.0	29
30	0.0*	0.0	0.0	0.0		58	23	0.0	0.0	0.0	0.0	0.0	30
31	0.0		0.0	0.3		46		0.0		0.0	0.0		31
MEAN	0.0	0.0	1.7	0.3	164	198	29.9	3.1	0.0	0.0	0.0	0.0	MEAN
MAX.	0.8	0.3	32.0	6.6	1,640	990	139	18.0	0.0	0.0	0.0	0.0	MAX.
MIN	0.0	0.0	0.0	0.0	1.4	3.3	6.1	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	2	1	104	17	9116	12231	1778	191					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
32.4	2460	7.98	02	13	0945	0.0	0.52	10	01	0000	23439

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 57	121 52 06	NE21 22N 1E	3840	9.77	3/29/74	DEC 72-DATE	DEC 72-DATE	1972		170.00	USED

Station located right abutment, Cossick Ave. bridge, 2-½ mi. NW of Chico Post Office. Tributary to Sacramento River via Big Chico Creek. Flow affected by upstream diversion. Station A00600 was destroyed on December 5, 1972. Station A00615 was constructed about 3½ miles upstream on December 20, 1972.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1974	402570	SACRAMENTO RIVER AT ORD FERRY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	9,210	7,480	48,100	52,000	52,000	39,500	122,000	13,500	14,700	11,300	9,940	11,400	1
2	9,130	7,410	85,000	47,900	56,200	43,500	123,000 •	12,900	14,400	11,300	9,960	11,500	2
3	9,160	7,410	53,200	44,900	43,000	34,800	118,000	12,300	14,400	11,100	9,930	11,600	3
4	9,100	7,420	51,000	37,900	40,400	28,200	104,000	11,700	14,400	10,800	10,000	11,600	4
5	9,120	7,490	59,500	33,900	38,400	23,500	70,700	11,300	13,800	10,700	10,000	11,600	5
6	8,330	7,860	51,100	35,100	33,600	22,100	57,000	11,900	13,700	10,700	10,100 •	11,600	6
7	8,510	9,170	53,200	35,200	30,100	30,300	51,900	17,000 •	13,800	10,900	10,100	11,700	7
8	9,290	13,000	48,500	34,300	27,300	52,500	47,100	18,200	13,400	11,200	10,300	11,800	8
9	9,690	11,700	42,300	30,500	26,000	34,900	46,700	18,200	13,200	11,700	10,600	11,900	9
10	8,840 •	19,700	35,400	26,900 •	21,600	30,000	46,700	16,600	13,100	12,200	10,900	12,100	10
11	8,730	45,500	33,500	26,200	18,700	27,900	44,900	16,500	12,900	11,800	11,000	11,800 •	11
12	8,690	72,700	30,500	28,200	17,900	32,100	43,700	18,500	12,900	11,400	11,200	11,200	12
13	8,630	58,200	35,600	34,600	24,100	27,300	42,900	18,300	12,600	10,600	11,100	11,100	13
14	8,560	46,800	30,300	38,900	24,100 •	23,400 •	42,100	17,300	12,500	10,700	12,100	11,300	14
15	8,590	41,600	32,600	69,000	23,900	22,900	37,800	15,100	12,400	10,700	11,100	11,400	15
16	7,650	46,200	30,500	114,000 •	23,500	37,200	33,700	14,900	12,400	10,600 •	11,100	11,600	16
17	7,270	58,600	32,400	139,000 •	22,700	39,900	32,600	14,800	12,500	10,500	11,100	11,600	17
18	7,100	67,500	32,900	129,000 •	21,400	40,300	32,200	14,900	12,400	10,400	11,100	10,600	18
19	7,070	71,300	31,100	118,000	24,300	39,300	30,800	15,000	12,300	10,500	11,200	9,940	19
20	7,060	48,000	30,100	112,000	28,700	36,300	22,700	14,800	12,400 •	10,400	11,200	9,090	20
21	7,120	24,900	35,900	99,300	23,200	37,300	17,600	14,100	12,500	10,300	11,100	8,900	21
22	7,270	44,000	66,700	95,500 •	22,900	36,300	15,000	13,500	12,200	10,400	11,200	8,860	22
23	8,130	52,300	49,100	89,700	21,500	31,000	14,200	13,300	12,200	10,300	11,100	8,820	23
24	8,550	53,300	44,500	84,800	20,800	22,500	14,300	13,300	12,000	10,100	11,100	8,740	24
25	8,600	49,500	41,300	62,100	19,900	17,700	13,130	13,600	11,900	10,100	11,200	8,600	25
26	7,570	48,300	39,700	79,700	18,100	16,500	14,800	14,100	11,000	10,000	11,200	8,630	26
27	7,620	43,300	40,200	71,300	16,800	17,400	14,000	14,200	11,500	10,000	11,200	8,650	27
28	7,610	38,000	51,300	67,500	16,200	20,500	18,000	14,300	11,400	10,000	11,100	8,570	28
29	7,530	37,400	63,900	62,900		32,400	19,300	14,600	11,300	10,000	11,200	8,570	29
30	7,470	42,300	81,100	61,300		94,400	17,800	15,000	11,400	10,000	11,300	8,620	30
31	7,440		59,500	53,700		124,000 •		14,800		9,980	11,400		31
MEAN	8,170	36,190	47,096	65,654	26,796	36,087	43,686	14,919	12,736	10,667	10,842	10,446	MEAN
MAX.	9,290	72,700	86,100	139,000	52,000	124,000	123,000	18,600	14,700	12,200	11,400	12,100	MAX.
MIN.	7,020	7,410	30,100	26,200	16,200	16,000	14,000	11,300	11,300	9,980	9,930	8,570	MIN.
AC FT.	502373	2153493	2895860	4036956	1488198	2218908	2599536	917355	757884	655894	666704	621600	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
26995.3	142000	68.43	01	17	1915	8860.0	46.43	10	20	1315	19514766

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	142,000	68.43	1/17/74	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 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 December 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 April 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
1975	A02570	SACHAMENTO RIVER AT ORD FERRY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	8,610	11,700	12,000	8,980	10,900	14,600	20,700	18,000	15,400	11,100	10,200	10,500	1
2	8,610	10,900	12,100	8,720	25,500	14,800	18,600	18,000	15,300	11,000	10,200	10,600	2
3	8,600	9,960	13,200	8,620	19,000	15,400	17,000 *	18,100	15,000	10,900	10,200	10,600	3
4	8,620	9,200	28,300	8,500	14,400	14,800	16,400	19,600	14,900	10,800	10,100	9,960	4
5	8,630	8,630	18,400	8,470	15,000	14,300	17,500	19,100	15,000	10,800	10,100	9,490	5
6	8,580	8,410	14,200	9,020	14,000	14,300	19,000	18,600	15,400	10,900	10,100	8,490	6
7	8,570	8,370	13,200	13,600	20,100	14,600	17,700	18,900	15,500	10,900	10,100	8,050	7
8	8,520	8,600	12,800	15,400	34,900	59,800	17,500	18,500	15,100	10,800	10,000	7,940	8
9	8,570	9,830	12,600	16,700	50,400	57,900	18,800	18,700	14,700	10,600	10,100	8,030	9
10	8,620	11,200	12,500 *	11,800	41,400	48,700	17,100	18,900	14,400	10,700	9,990	8,080	10
11	8,530	11,500	12,300	10,400	25,300	45,900	16,400	19,100	14,300	10,600	10,000	8,260	11
12	8,460	11,600	12,400	9,710	23,200	37,800	15,700	19,200	14,200 *	10,600	10,100	8,410 *	12
13	8,550	11,700 *	12,400	9,340	72,300	33,400	16,600	19,200	14,100	10,500	9,990 *	8,360	13
14	8,580	11,700	12,500	9,080 *	88,700 *	31,800	16,900	19,600 *	13,900	10,500	9,990	8,400	14
15	8,520	11,800	12,400	8,930	47,000	29,900	18,500	20,100	13,900	10,500	9,980	8,410	15
16	8,500	11,800	12,300	8,790	34,900	29,300	15,900	19,900	14,000	10,900 *	10,000	8,410	16
17	8,460	11,800	12,200	8,670	30,100	29,700	14,800	19,600	13,800	10,900	10,000	8,420	17
18	8,470	11,900	11,600	8,590	27,500	40,300	15,100	19,400	13,500	10,700	10,300	8,430	18
19	8,450	11,900	10,500	8,580	24,200	66,200	14,800	19,500	13,400	10,600	10,700	8,500	19
20	9,200	11,900	10,200	8,520	29,800	79,900 *	15,100	19,200	12,700	10,500	10,900	8,540	20
21	9,970	11,900	10,200	8,490	28,300	64,100	14,400	17,600	12,400	10,500	10,600	8,580	21
22	10,100	12,100	10,100	8,450	24,400	87,700	14,100	16,900	11,800	10,400	10,400	8,630	22
23	10,100	12,100	9,960	8,410	22,200	69,800	14,300	16,600	11,600	10,200	10,300	8,590	23
24	9,040	12,000	9,910	8,350	21,100	56,300	14,900	15,900	11,600	10,300	10,200	8,560	24
25	8,810	12,000	9,880	8,370	20,400 *	71,700	19,300	15,800	11,600	10,300	10,200	8,580	25
26	8,640	12,100	9,360	8,370	18,600	79,600	19,600	15,700	11,500	10,400	10,200	8,600	26
27	8,700	12,200	8,920	8,310	16,600	54,200	17,700	15,400	11,400	10,200	10,300	8,760	27
28	9,010	12,000	18,900	8,330	14,800	41,800	16,700	15,300	11,300	10,200	10,300	8,910	28
29	9,640 *	12,000	13,200	8,310		35,900	16,200	15,300	11,100	10,200	10,400	9,010	29
30	10,200	12,000	10,100	8,250		28,700	17,200	15,300	11,100	10,300	10,400	8,850	30
31	11,000		9,340	8,230		23,600		15,300		10,100	10,500		31
MEAN	8,923	11,166	12,515	9,435	29,107	42,316	16,816	17,945	13,463	10,577	10,221	8,765	MEAN
MAX.	11,000	12,200	28,300	16,700	88,700	87,700	20,700	20,100	15,500	11,100	10,900	10,600	MAX.
MIN	8,450	8,370	8,920	8,230	10,900	14,300	14,100	15,300	11,100	10,100	9,980	7,940	MIN.
AC. FT.	548707	664462	769527	580145	1616528	2601916	1000661	1103404	801124	650380	628462	521553	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
15666.6	101000	64.05	02	14	0715	7690.0	47.27	09	10	0015	11486870

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
39 37 39	121 59 28	SE32 21N 1W	142,000	68.43	1/17/74	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 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 December 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 April 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
1975	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	0.0	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*	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	46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	4,310	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	1,420	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*	3.1	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	0.0	1,940	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	0.0	1,740	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	2,090	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	4,610	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	349 *	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	176	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	3,660	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	1,440	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	206	516	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	0.0	4,310	4,610	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.					11457	31752							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
59.7	6350	79.28	02	14	1800	0.0	74.00	10	01	0000	43208

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	N.R.			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
1975	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	0.0	0.0	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*	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	5,360	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	4,440	17,400	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	11,200 *	15,300	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	1,210	10,500 *	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	0.0	5,840 *	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	8,540	2,080 *	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0*	33,700 *	389	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	27,800	52	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	6,680	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	724	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	442	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	0.0	14,600	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	0.0	27,800 *	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	0.0	29,200 *	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	27,100	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	34,700	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	23,500	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	20,100	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	30,500	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	27,400	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	0.0	11,800	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0		4,220	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0*	0.0	0.0	0.0		670	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	0.0	0.0	3,367	9,966	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	0.0	33,700	34,700	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.					187029	612799							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
1104.8	38600	66.40	02	14	2200	0.0	61.00	10	01	0000	799828

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

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

- Flood season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A04910	LITTLE CHICO CREEK DIVERSION NEAR CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0*	0.0	0.0	0.0	3.4*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.5*	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	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	34	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	26 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	50 *	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*	4.4	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	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	0.0	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	0.0	0.0	6.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.5	0.0	60.0	4.4	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.			1		368	9							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
0.5	716	3.07	02	01	1530	0.0	0.01	10	01	0000	377

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T. & R M.D.B.&M.	OF RECORD CFS	GAGE HT	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
			2450	3.99	3/29/74	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
1975	A04265	BUTTE CREEK NEAR DURHAM

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	98	149	124	150	908	635	947	720	682	56	39	23	1
2	106	121	127	152	1,470	890	889	722	632	55	38	24	2
3	104	116	346	153	560	910	868	778	608	54	37	23	3
4	110	137	969	156	588	794	868	787	595	45	38	24	4
5	121	133	302	158	397	748	895	608	602	41	39	21	5
6	122	132	234	219	348	823	839	599	577	39	42	20	6
7	132	150	210	312	546	1,400	798	579	551	44	44	17	7
8	125	202	194	754	1,620	2,720	896	583	481	44	41	19	8
9	145	159	182	451	2,950	2,330	869	623	400	46	33	18	9
10	148	145	177 *	311	1,530	1,680	841	648	326	47	33	21 *	10
11	139	142	179	264	1,030	1,290	814	680	323	45	36	52	11
12	129	143	182	237	1,800	1,100	815	729	294 *	43	40 *	72	12
13	126	140 *	240	223	4,120 *	1,010 *	836	773	284	45	33	81	12
14	117	136	159	215 *	1,740	938	869	802 *	265	49	28	81	14
15	40	134	121	204	1,070	875	810	821	263	56 *	25	83	15
16	32	132	121	200	857	998	764	778	259	81	28	90	16
17	30	132	123	194	766	891	726	786	233	69	29	90	17
18	27	150	123	190	693	1,280	698	799	208	57	39	90	18
19	64	160	121	191	701	3,050	688	823	186	50	57	92	19
20	75	141	123	191	892	2,230	694	807	182	46	45	92	20
21	77	153	125	185	745	2,000	727	710	153	44	42	92	21
22	75	271	131	186	656	1,690	724	654	100	46	50	92	22
23	76	186	133	180	599	1,280	705	646	70	49	42	94	23
24	79 *	150	133	179	578	1,260	1,200	668	102	55	36	94	24
25	82	151	139	176	567	3,070	1,490 *	665	120	55	32	80 *	25
26	86	173	140	176	558	2,050	1,100	633	78	47	28	67	26
27	89	120	300	175	562	1,510	968	623	69	47	29	80	27
28	162	134	500	165	588	1,250	895	624	61	42	25	85	28
29	178	131	197	179		1,120	849	650	61	37	21	91	29
30	121	126	172	155		1,060	784	656	61	36	24	98	30
31	152		155	158		1,020		665		39	24		31
MEAN	102	148	205	220	1,051	1,416	862	700	294	48.7	35.4	63.5	MEAN
MAX.	178	271	909	754	4,120	3,070	1,490	823	682	81.0	57.0	98.0	MAX.
MIN.	27.0	116	121	150	346	635	688	579	61.0	36.0	21.0	17.0	MIN.
AC FT.	6282	8824	12659	13565	58391	87078	51304	43039	17506	2993	2176	3780	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
424.9	5370	7.20	02	13	0830	14.0	1.77	09	07	1515	307599

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	21,300 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
1975	A04280	LITTLE CHICO CREEK NEAR CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.2	4.3	2.4	9.0	316	25	62	22	7.3	2.5	0.3	0.4	1
2	0.1	2.4	2.6	7.6	300 *	29	55	20	7.3	2.6	0.3	0.3	2
3	0.2	1.8	111	6.7	82	24	53	21	7.0	2.7	0.1	0.1	3
4	0.3	1.6	70	5.8	94	22	56	20	6.2	3.0	0.1	0.1	4
5	0.3	1.5	12	5.3	65	21	89	19	6.0	3.1	0.0	0.0	5
6	0.1	1.5	7.9	37	66	36 *	67	18	5.5	2.9	0.0	0.0	6
7	0.1	4.1	6.1	40	94	111	58	17	5.5	2.7	0.0	0.0	7
8	0.3	6.5*	5.0	66	440	215	108	16	5.0	2.8	0.0	0.0	8
9	0.6	2.5	4.4	31	498	232	84 *	15	4.6	2.6	0.0	0.0	9
10	1.0	1.8	4.0	20	204	172	69	15	4.3	2.2	0.0	0.3	10
11	0.8	1.6	3.7	15	120	118	59	15	4.3	2.5	0.0	0.8*	11
12	0.7	1.7	4.6	11	483	84	52	14	4.3	2.5	0.0	0.7	12
13	0.5	1.8	5.5	9.5	642 *	77	48	14	4.0	2.5	0.0	0.4	12
14	0.5	1.8	4.6	8.3	255	67	45	13	3.9	2.3	0.1	0.3	14
15	0.5	1.8	4.2	7.4	150	72	40	13	4.1	3.3	0.0	0.3	15
16	0.4*	2.1	4.2	6.7	105	106	35	13	4.2	5.6	0.0	0.2	16
17	0.4	2.0	3.8*	6.0	76	81	33	12	4.3	4.2	0.3	0.1	17
18	0.4	2.3	3.7	5.7	69	131	30	12	4.2*	3.0	2.2	0.1	18
19	0.4	2.7	3.5	5.2	64	315	28	11	4.5	2.6	2.9	0.1	19
20	0.4	2.8	3.2	4.8	58	203	27	11 *	4.8	2.2	2.0	0.1	20
21	0.4	3.9	3.4	4.7*	49	360	25	11	4.7	1.9	1.3	0.1	21
22	0.2	6.0	5.5	4.2	43	269	24	* 11	4.2	1.5*	1.1*	0.1	22
23	0.2	3.4	9.8	3.9	38	171	24	10	3.6	1.1	0.7	0.0	23
24	0.6	2.8	7.4	3.7	35	178	46	10	4.7	0.7	0.4	0.0	24
25	0.8	2.9	0.2	3.7	32	245	44	9.4	5.1	0.5	0.2	0.0	25
26	1.0	2.9	0.0	3.7	29	175	35	9.0	4.0	0.2	0.2	0.0	26
27	1.5	2.5	98	3.2	27	138	31	8.6	3.5	0.2	0.3	0.0	27
28	7.8	2.8	131	3.4	24	113	27	8.2	3.2	0.2	0.6	0.0	28
29	4.7	2.6	28	10		94	25	7.7	3.1	0.2	0.6	0.0	29
30	2.1	2.4	16	5.8		81	24	7.2	2.8	0.5	0.5	0.0	30
31	5.9		11	19		72		6.4		0.5	0.4		31
MEAN	1.1	2.7	18.6	12.0	159	130	46.8	13.2	4.7	2.1	0.5	0.2	MEAN
MAX.	7.8	6.5	131	66.0	642	360	108	22.0	7.3	5.6	2.9	0.8	MAX.
MIN.	0.1	1.5	0.0	3.2	24.0	21.0	24.0	6.4	2.8	0.2	0.0	0.0	MIN.
AC. FT.	66	160	1144	740	8834	8007	2783	812	278	130	29	9	AC FT

E — ESTIMATED
HR — 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
31.0	1140	5.03	02	01	1545	0.0	0.10	10	02	1915	22993

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 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
1975	A02984	CHEROKEE CANAL NEAR RICHVALE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	6.5	41	32	65	1,810	50	123 *	68	57	24	37	24	1
2	5.8	32	32	58	2,270	64	120	71	52	27	39	4.5	2
3	5.1	26	46	55	666	56	119	71	44	36	39	4.9	3
4	4.7	25	139	54	425	48	113	77	55	38	37	12	4
5	3.4	24	69	53	268	49	187	77	61	41	33	32	5
6	1.2	20	53	204	318	59	149	85	54	45	31	23	6
7	3.9	20	48	305	564	582	122	86	22	46	38	9.9	7
8	4.5	39	45	235	1,620	1,660	218	91	25	38	43	16	8
9	3.9	49	44	143	1,740	525	176	64	28	28	45	11	9
10	7.6	38	44	94	1,190	340	123	69	40	33	43	12 *	10
11	69	29	43	76	400	198	108	79	45	36	28	18	11
12	93	26	43	73	2,050	124	97	58	32 *	32	28 *	22	12
13	95	25 *	49	68	3,480	112	91	57	34	25	30	30	13
14	90	24	48	65 *	1,040	332	94	85 *	40	31	35	29	14
15	90	24	47	63	521	151	88	69	35	32 *	32	34	15
16	93	28	46	60	322	690	83	57	43	38	25	27	16
17	96	27	45 *	58	222	215	73	40	46	44	24	18	17
18	99	26	44	57	186	428	72	46	45	44	29	19	18
19	103	29	43	57	191	616	72	54	51	43	45	22	19
20	104	33	42	60	212 *	401	83	52	48	41	43	21	20
21	103	31	42	58	146	947	83	42	51	40	41	22	21
22	104	36	42	56	120	1,360	79	50	50	41	33	17	22
23	103	42	43	53	109	419	77	54	56	40	33	14	23
24	101 *	41	42	52	105	443	70	56	55	39	28	11	24
25	104	38	41	52	78	815	67	58	54	38	29	10	25
26	101	39	41	52	60	361	35	67	57	38	40	8.7	26
27	101	38	52	50	56	227	33	69	56	39	39	9.2	27
28	114	36	696	49	53	166	24	67	54	37	45	6.0	28
29	129	34	175	100		160	28	68	53	37	32	3.8	29
30	128	33	92	90		148	55	61	49	33	26	2.8	30
31	119		73	67		135		54		33	30		31
MEAN	70.5	31.8	75.5	83.3	722	383	95.4	63.9	46.1	36.7	34.8	16.5	MEAN
MAX.	129	49.0	696	305	3,480	1,660	218	91.0	61.0	46.0	45.0	34.0	MAX.
MIN.	1.2	20.0	32.0	49.0	53.0	48.0	24.0	40.0	22.0	24.0	24.0	2.8	MIN.
AC. FT.	4335	1890	4643	5121	40110	23566	5677	3931	2741	2255	2142	979	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
134.5	7130	11.50	02	12	2115	0.5	1.81	10	06	1400	97391

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	15,200 E	13.80	10/13/62	JUN 60-DATE	JUL 60-DATE	1960		88.20	USCGS

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

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

WATER YEAR	STATION NO.	STATION NAME
1975	A02967	BUTTE SLOUGH AT OUTFALL GATES

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	254	286	362	547	280	166	0.0	0.0	120	166	108	711	1
2	255	286	374	517	102	159	0.0	0.0	103	152	109	71[illegible]	2
3	274	286	391	460	0.0	86	0.0	0.0	103	128	111	723	3
4	316	286	171	385	108	86	73	0.0	120	153	113	780	4
5	374	286	0.0	352	304	112	35	0.0	120	62	116	830	5
6	374	286	93	352	581	126	0.0	0.0	103	75	117	912	6
7	352	286	407	178	552	79	0.0	0.0	56	83	119	975	7
8	346	286	429	95	0.0	0.0	0.0	0.0	56	107	121	981	8
9	357	286	471	0.0	0.0	0.0	0.0	0.0	56	130	121	1060	9
10	374	286	434	96	0.0	0.0	0.0	0.0	45	139	98	1090	10
11	402	286	379	352	0.0	0.0	0.0	0.0	25	142	164	1040	11
12	402	286	316	407	0.0	0.0	0.0	0.0	0.0	149	208	988	12
13	413	286	255	407	0.0	0.0	0.0	0.0	0.0	158	200	994	13
14	429	286	209	407	0.0	0.0	0.0	0.0	0.0	162	222	1020	14
15	440	286	188	374	0.0	0.0	0.0	0.0	0.0	164	223	1000	15
16	413	267	181	369	0.0	0.0	0.0	0.0	0.0	158	236	969	16
17	369	267	174	340	0.0	0.0	17	0.0	0.0	152	385	912	17
18	362	280	166	304	0.0	0.0	76	0.0	0.0	172	360	755	18
19	357	286	195	304	0.0	0.0	76	0.0	0.0	184	571	660	19
20	352	286	209	346	0.0	0.0	67	0.0	19	178	482	635	20
21	346	316	195	429	0.0	0.0	56	0.0	86	227	527 *	605	21
22	340	304	195	429	0.0	0.0	76	22	112	248	547	532	22
23	334	304	188	440	0.0	0.0	34	67	136	240	572	572	23
24	328	311	202	429	0.0	0.0	0.0	76	112	254	567	527	24
25	323	323	209	492	0.0	0.0	0.0	112	112	259	581	465	25
26	315	328	230	455	0.0	0.0	0.0	120	112	248	581	374	26
27	311	328	262	402	0.0	0.0	0.0	144	120	250	600	340	27
28	304	346	159	352	59	0.0	0.0	144	152	244	600	310	28
29	298	346	14	298		0.0	0.0	152	174	140	600	310	29
30	292	352	445	292		0.0	0.0	144	159	99	620	304	30
31	286		577	286		0.0		136		109	667		31
MEAN	345	298	261	351	70.9	26.3	17	36	73.4	165	343	736	MEAN
MAX.	440	352	577	547	581	166	76	152	174	259	667	1090	MAX.
MIN.	254	267	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62	98	304	MIN.
AC. FT.	21210	17720	16030	21610	3939	1615	1012	2216	4366	10140	21120	43820	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
228	1090					0.0					164800

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	NE 35 16N 1W	N.A.			JUN 23-OCT 38 M O 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 Wadsworth Canal near Sutter are made up almost entirely of return water from lands irrigated by Feather River diversions.

M O - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1975	A02965	RECLAMATION DISTRICT 70 DRAINAGE TO SACRAMENTO RIVER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	7.1	27	56	7.2	18	51	38	38	1
2	0.0	0.0	0.0	0.0	71	37	34	37	38	37	38	73	2
3	0.0	0.0	19	0.0	69	28	35	38	40	48	38	64	3
4	0.0	0.0	27	26	48	0.0	26	38	54	37	46	64	4
5	0.0	0.0	34	31	37	27	26	78	46	53	38	64	5
6	0.0	0.0	10	0.0	37	37	20	78	38	37	38	64	6
7	0.0	0.0	0.0	0.0	52	37	25	65	38	37	38	91	7
8	0.0	0.0	0.0	0.0	56	72	26	53	53	37	37	55	8
9	0.0	0.0	0.0	0.0	70	62	37	78	55	37	38	64	9
10	0.0	0.0	0.0	26	86	60	21	88	29	37	38	64	10
11	0.0	0.0	0.0	11	69	60	37	93	37	37	38	73	11
12	0.0	28	0.0	0.0	67	62	37	93	37	37	38	38	12
13	0.0	11	27	0.0	131	62	55	54	38	15	38	64	13
14	0.0	0.0	11	0.0	115	62	37	37	38	31	51	61	14
15	0.0	0.0	0.0	0.0	78	62	37	57	37	35	37	65	15
16	0.0	0.0	0.0	0.0	56	62	37	78	30	48	38	50	16
17	0.0	0.0	0.0	26	31	40	37	78	37	40	40	50	17
18	0.0	0.0	0.0	11	59	32	50	76	28	55	38	66	18
19	0.0	0.0	0.0	0.0	42	53	38	76	50	46	54	50	19
20	0.0	0.0	0.0	0.0	33	60	32	103	46	49	59	39	20
21	0.0	0.0	0.0	0.0	32	66	23	126	55	46	54	11	21
22	0.0	0.0	0.0	0.0	32	84	27	58	37	45	58	0.0	22
23	0.0	0.0	25	0.0	33	82	14	32	28	46	58	27	23
24	0.0	0.0	11	0.0	47	80	25	37	19	45	58	37	24
25	0.0	0.0	0.0	0.0	34	66	38	53	22	38	57	11	25
26	0.0	0.0	0.0	0.0	35	69	38	53	29	37	38	0.0	26
27	16	0.0	0.0	0.0	36	58	37	53	25	37	45 *	0.0	27
28	0.0	0.0	23	0.0	11	60	12	54	45	19	45	0.0	28
29	0.0	0.0	36	6.7		39	0.0	54	38	20	47	0.4	29
30	0.0	0.0	14	7.1		31	0.0	22	51	0.0	47	27	30
31	0.0		0.0	4.7		53		12		7.0	38		31
MEAN	0.5	1.3	7.6	4.8	52.6	52.6	30.6	60.0	38.1	36.9	44.2	44.0	MEAN
MAX.	16	28	36	31	131	84	56	126	55	55	59	91	MAX.
MIN.	0.0	0.0	0.0	0.0	7.1	0.0	0.0	7.2	18	0.0	37	0.0	MIN
AC. FT.	32	77	470	297	2924	3233	1819	3688	2271	2269	2719	[illegible]	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
31.0	NR					[illegible]					22480

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	N.A.			MAY 24-OCT 38 ⁰⁄₀ 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.

⁰⁄₀ - Irrigation season only.

ABLE B-5 (CONT.)
AILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	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	1020						1
2					0.0	0.0	0.0						2
3					0.0	0.0	0.0						3
4					0.0	0.0	0.0						4
5					0.0	0.0	0.0						5
6					0.0	0.0	0.0						6
7					0.0	0.0	0.0						7
8					325	1760	0.0						8
9					5180	9060	0.0						9
10					9230	10100	0.0						10
11	N	N	N	N	6620 *	9690 *	0.0	N	N	N	N	N	11
12					2290	8530	0.0						12
13	O	O	O	O	3860	6840	0.0	O	O	O	O	O	13
14					15500	5630	0.0						14
15					15500	5150	0.0						15
16	F	F	F	F	10100	4250	0.0	F	F	F	F	F	16
17					6690	3990	0.0						17
18	L	L	L	L	5050	3800	0.0	L	L	L	L	L	18
19					3640	6620	0.0						19
20	O	O	O	O	2260	10100	0.0	O	O	O	O	O	20
21	W	W	W	W	4310	11600	0.0	W	W	W	W	W	21
22					3230	11000 *	0.0						22
23					1190	14400	0.0						23
24					21	14000	0.0						24
25					0.0	12500	0.0						25
26					0.0	14800	0.0						26
27					0.0	14400	0.0						27
28					0.0	10700	0.0						28
29						7700	0.0						29
30						5560	0.0						30
31						3670							31
MEAN					3393	6640	34.0						MEAN
MAX.					15500	14800	1020						MAX.
MIN.					0.0	0.0	0.0						MIN
AC. FT.					188400	408300	2023						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
827	NR					NR					598[illegible]

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & R M D B &M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 01 36	121 49 16	NE35 14N 1E	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.

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

WATER YEAR	STATION NO.	STATION NAME
1975	A02933	RECLAMATION DISTRICT 108 DRAINAGE TO SACRAMENTO RIVER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	124	107	59	0.0	254	0.0	83	213	449	314	350	368	1
2	0.0	0.0	0.0	0.0	655	116	83	241	370	308	261	357	2
3	0.0	0.0	0.0	0.0	216	87	89	242	401	262	468	302	3
4	0.0	0.0	113	0.0	320	0.0	97	613	427	383	288	346	4
5	94	0.0	0.0	149	260	119	84	434	401	262	312	302	5
6	0.0	0.0	0.0	0.0	244	93	118	441	389	349	362	357	6
7	0.0	88	94	0.0	179	140	61	388	397	297	357	454	7
8	0.0	0.0	0.0	102	268	220	62	383	507	299	421	353	8
9	0.0	0.0	0.0	0.0	396	282	64	330	325	258	311	363	9
10	0.0	0.0	0.0	0.0	258	142	0.0	381	352	305	439	362	10
11	0.0	0.0	0.0	0.0	194	167	88	534	351	337	308	355	11
12	106	0.0	127	103	306	161	90	370	352	262	358	355	12
13	0.0	0.0	0.0	0.0	310	158	87	434	163	442	346	338	13
14	0.0	0.0	0.0	0.0	310	172	45	336	361	257	349	483	14
15	0.0	97	0.0	141	304	161	45	376	367	297	368 *	249	15
16	0.0	0.0	102	0.0	419	155	81	351	358	312	369	281	16
17	0.0	0.0	0.0	90	127	134	58	326	406	356	351	254	17
18	0.0	0.0	0.0	0.0	130	121	64	575	332	303	430	239	18
19	107	0.0	0.0	0.0	132	104	82	435	382	258	414	198	19
20	0.0	0.0	0.0	0.0	132	124	108	500	389	441	393	151	20
21	0.0	0.0	0.0	0.0	132	190	161	534	358	253	450	135	21
22	0.0	0.0	108	99	30	210	136	514	461	346	443	94	22
23	70	0.0	0.0	0.0	123	356	121	418	358	344	358	122	23
24	122	0.0	0.0	0.0	136	174	91	396	314	346	461	126	24
25	0.0	0.0	0.0	0.0	90	198	98	473	334	312	413	93	25
26	0.0	0.0	0.0	0.0	86	179	227	378	388	262	407	94	26
27	125	0.0	0.0	0.0	75	119	103	398	363	468	400	51	27
28	0.0	0.0	138	109	81	119	212	423	351	297	404	66	28
29	0.0	0.0	46	0.0		145	212	449	441	308	358	0.0	29
30	0.0	51	88	0.0		113	222	449	335	309	358	0.0	30
31	0.0		0.0	0.0		81		402		348	461		31
MEAN	24.1	11.4	28.2	25.6	220	146	102	411	373	319	380	242	MEAN
MAX.	125	107	138	149	655	356	227	613	507	468	468	483	MAX.
MIN.	0.0	0.0	0.0	0.0	30	0.0	0.0	213	163	253	261	0.0	MIN.
AC. FT.	1484	680	1736	1573	12230	9005	6093	25260	22180	19630	23340	14380	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
190	NR					0.0					137600

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	N.A.			APR 24-OCT 38 ⅊ JAN 39-DATE					

Plant located 4.5 mi. E of Robbins. This is drainage returned by pumping.

⅊- Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1975	A02955	RECLAMATION DISTRICT 787 DRAINAGE TO SACRAMENTO RIVER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15					RECORDS SUFFICIENT TO COMPLETE ONLY MONTHLY FLOWS								15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN	8.0	3.7	6.1	7.2	47.6	33.5	16.0	71.2	10.2	66.9	73.1	41.3	MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.	491	220	376	445	2645	2062	954	4380	6076	4112	4492	2460	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
39.7	NR					NR					28710

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	N.A.			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
1975	A02976	COLUSA BASIN DRAIN AT HIGHWAY 20

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	263	686	100	326	351	204	254 *	80	413	575	819	1,420	1
2	224	823	137	278	1,070	194	245	69	432	581	869	1,410	2
3	230	599	308	247	1,180	182	236	207	505	581	890	1,420	3
4	229	398	752	200	923	186	234	429	500	650	889	1,450	4
5	193	283	909	184	623	167	278	366	496	733	839	1,460	5
6	186	169	674	178	565	171	589	423	416	778	848	1,440	6
7	186	156	531	178	711	437	682	502	322	801	867	1,390	7
8	164	188	444	169	1,240	1,550	667	661	275	774	899	1,350	8
9	175	200	390	172	1,840	1,520	660	711	212	756	848	1,410	9
10	197	161	324	153	2,120	1,360	551	819	153 *	757	840	1,450	10
11	191	191	304	154	1,960	1,330	508	992	204	818	887	1,450	11
12	191	181	272	146	1,640	1,080	424	1,070	191	853	813	1,440	12
12	196	151	269	143	2,270 *	719	467	1,110	254	776	838	1,400	13
14	176	139	237	131	2,420	869	463	1,140	326	789	869 *	1,320	14
15	129	131 *	234	124 *	2,150	718	403	1,320	368	802	903	1,220	15
16	113	119	221	131	1,630	749	417	1,500 *	375	1,030	918	1,070	16
17	101	127	224	127	1,170	618	331	1,640	405	1,120 *	973	1,000	17
18	122	128	216	147	805	804	391	1,620	431	1,070	1,170	938	18
19	126	120	195 *	212	633	722	399	1,630	459	1,050	1,330	914	19
20	165	114	189	433	561	533	444	1,780	537	1,030	1,440	862	20
21	188	112	192	485	482	543	334	1,760	633	984	1,450	785	21
22	232	143	194	446	395	2,050	152	1,360	730	935	1,390	716	22
23	240	102	188	390	354	1,870	116	1,090	730	890	1,350	632	23
24	257	83	170	311	306	1,460	103	1,010	657	876	1,280	517	24
25	190	96	159	256	292	1,120	288	997	602	872	1,250	460	25
26	201	97	151	230	263	850	264	957	627	842	1,220	424	26
27	241	90	132	186	238	579	192	815	655	813	1,210	388	27
28	436	95	496	166	224	455	257	741	656	792	1,270	381	28
29	521	96	57[illegible]	159		375	227	677	635	756	1,340	365	29
30	489 *	98	464	144		331	189	579	621	822	1,410	256	30
31	562		4[illegible]	144		300		484		767	1,440		31
MEAN	229	202	324	217	1,01[illegible]	775	356	920	481	828	1,076	1,024	MEAN
MAX	562	823	91[illegible]	485	2,420	2,050	682	1,780	730	1,120	1,450	1,460	MAX.
MIN	101	83.0	1[illegible]	124	224	167	103	69.0	153	575	813	256	MIN
AC. FT.	14110	12052	19926	13388	56362	47695	21193	56606	27451	50922	66206	60968	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
617.3	2470	48.14	02	13	1530	59.0	37.21	05	01	2030	446880

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		
31 11 44	122 03 34	NE34 16N 2W	25,400 E	51.93	2/21/58	JUN 24-DATE 40 d MAY 41-DATE	JUN 24-DEC 40 d MAY 41-DATE	1957	1957	37.09 0.00	USED

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

d - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1975	A02945	COLUSA BASIN DRAIN AT KNIGHTS LANDING

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	290	516	398	234	428	252	[illegible]	[illegible]	156	242	454	14[illegible]	1
2	222	582	432	251	927	573	0.0	[illegible]	99	[illegible]	234	15[illegible]	2
3	203	729	374	214	0.0	565	0.0	[illegible]	142	139	5[illegible]	14[illegible]	3
4	191	520	493	186	0.0	512	0.0	[illegible]	204	13[illegible]	[illegible]	143	4
5	188	355	0.0	190	0.0	556	0.0	[illegible]	114	33	14	14[illegible]	5
6	149	325	0.0	192	119	565	0.0	[illegible]	143	480	534	15[illegible]	6
7	151	113	0.0	111	606	505	0.0	[illegible]	28[illegible]	49[illegible]	5[illegible]	12[illegible]	7
8	152	134	530	509	0.0	0.0	0.0	[illegible]	33[illegible]	520	14	14[illegible]	8
9	115	177	573	0.0	0.0	0.0	0.0	3.0	385	432	5[illegible]4	1[illegible]5[illegible]	9
10	133	124	581	0.0	0.0	0.0	0.0	212	272	3[illegible]	530	1[illegible]	10
11	167	110	604	377	0.0	0.0	0.0	27[illegible]	6.0	420	5[illegible]4	171[illegible]	11
12	130	128	620	396	0.0	0.0	0.0	512	0.0	5[illegible]	534	1[illegible]	12
13	130	122	589	181	0.0	0.0	453	530	0.0	49[illegible]	542	1[illegible]	13
14	113	89	270	97	0.0	0.0	503	521	[illegible].0	412	61[illegible]	15[illegible]	14
15	112	127	237	86	0.0	0.0	409	565	0.0	408	694	14[illegible]	15
16	76	110	148	74	0.0	0.0	0.0	597	[illegible].0	449	[illegible]	129[illegible]	16
17	59	66	82	79	0.0	0.0	25	619	0.0	[illegible]09	[illegible]34	145[illegible]	17
18	43	127	88	120	0.0	0.0	581	634	0.0	2[illegible]5	929	12[illegible]	18
19	62	82	187	143	0.0	0.0	596	663	0.0	31[illegible]	1220	[illegible]4	19
20	79	117	136	745	0.0	0.0	589	768	0.0	852	1380	915	20
21	151	108	156	749	0.0	0.0	509	811	3[illegible]	385	1520	[illegible]	21
22	138	185	130	669	0.0	0.0	268	750	340	[illegible]	1540	99	22
23	173	174	132	615	0.0	0.0	24	750	444	630	1470	[illegible]	23
24	169	374	103	559	0.0	0.0	24	750	464	584	1440	[illegible]	24
25	174	409	105	478	0.0	0.0	21	805	353	55[illegible]	1380	505	25
26	165	409	106	432	0.0	0.0	0.0	752	313	51[illegible]	1330	472	26
27	172	409	74	269	0.0	0.0	0.0	726	312	511	12[illegible]	432	27
28	302	361	335	0.0	0.0	0.0	0.0	664	358	485	1290	3[illegible]9	28
29	464	409	76	0.0		0.0	18	472	320	409	1290	35[illegible]	29
30	476	432	322	0.0		0.0	0.0	351	282	414	1360	310	30
31	488		730	21		0.0		232		494	1460		31
MEAN	182	264	278	272	74.3	116	134	415	191	509	933	1153	MEAN
MAX.	488	729	730	749	927	573	596	805	464	8[illegible]5	154[illegible]	1[illegible]1	MAX.
MIN.	43	66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	197	454	31[illegible]	MIN
AC. FT.	11180	15720	17080	16750	4126	7117	7974	25520	11350	312[illegible]	5[illegible]	[illegible]500	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
378	NA	29.36	2	14	1130	0.0	20.70	1	27	0415	2[illegible]4000

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	T 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	N.A.	36.8	2/10/42	MAY 24-OCT 39 ♂ JAN 40-DATE	MAY 24-OCT 39 ♂ 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.

♂ - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1975	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
2													2
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
12													12
14													14
15					RECORDS SUFFICIENT TO COMPUTE ONLY MONTHLY FLOWS								15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
22													22
24													24
25													25
26													26
27													27
28													28
29													29
30													30
21													31
MEAN	0.0	0.0	0.1	0.0	18	3.3	0.0	12	1.4	0.0	4.8	11	MEAN
MAX.													MAX.
MIN.													MIN.
AC FT.	0.0	0.0	7.0	0.0	1000	201	0.0	738	82	0.0	297	637	AC FT

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

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT	MINIMUM MO	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
4.2	NR					NR					2962

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	N.A.		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
1975	A02930	FREMONT WEIR SPILL TO YOLO BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1					0	0							1
2					0	0							2
3					0	0							3
4					0	0							4
5					0	0							5
6					0	0							6
7					0	0							7
8					0	0							8
9					0	0							9
10					0	0							10
11	N	N	N	N	0	0	N	N	N	N	N	N	11
12	0	0	0	0	0	0	0	0	0	0	0	0	12
13					112	0							13
14					9,450	0							14
15	F	F	F	F	16,100	0	F	F	F	F	F	F	15
16	L	L	L	L	18,000	0	L	L	L	L	L	L	16
17	0	0	0	0	8,550	0	0	0	0	0	0	0	17
18					1,650	0							18
19	W	W	W	W	0	0	W	W	W	W	W	W	19
20					0	0							20
21					0	19							21
22					0	7,670							22
23					0	19,800							23
24					0	22,900							24
25					0	26,600							25
26					0	26,000							26
27					0	23,200							27
28					0	19,800							28
29						11,800							29
30						4,520							30
31						950							31
MEAN					1,924	5,266							MEAN
MAX.					18,000	26,600							MAX.
MIN.					0	0							MIN.
AC. FT.					106,830	323,820							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
595	31,300	35.28	3	25	1600						430,650

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
			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
1975	402972	BUTTE SLOUGH NEAR MERIDIAN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	193	530	653	492	262	1,400	5,200	700	961	355	398	544	1
2	188	587	660	418	622	1,330	3,630	571	958	334	405	553	2
3	174	512	727	359	1,510	1,340	2,620	430	936	316	424	575	3
4	216	411	1,040	301	1,080	1,350	2,340	417	909	336	430	545	4
5	263	329	1,585	262	1,080	1,280	2,070	385	902	410	438	532	5
6	273	271	1,600	257	2,330	1,220	1,940	342	911	441	435	504	6
7	255	235	1,270	367	2,340	1,270	1,790	294	941	466	442	443	7
8	249	239	1,090	698	2,800	1,540	1,700	292	916	430	446	409	8
9	251	287	998	910	3,620	7,330	1,610	347	854	405	439	439	9
10	269	364	916	1,020	8,670	14,300	1,540	399	776 •	407	402	454	10
11	292	477	830	770	11,700	15,400	1,490	460	702	409	396	462	11
12	299	520	754	572	9,550	14,000	1,430	550	576	416	384	448	12
13	298	536	702	468	9,040	10,900	1,390	624	455	432	388	459	13
14	318	543	669	413	19,600	8,080	1,340	620	405	432	400 •	467	14
15	328	543 •	662	369 •	30,000	5,610	1,300	572	410	429	406	462	15
16	316	544	648	340	26,100	4,180	1,280	562 •	459	424	421	453	16
17	276	548	634	307	16,900	3,270	1,260 •	628	404	456 •	426	434	17
18	228	551	597	266	11,100	2,830	1,170	723	473	479	394	396	18
19	211	567	548	265	7,720	5,390	1,140	826	477	481	426	366	19
20	210	582	392 •	295	6,080	15,000	1,080	1,050	478	473	442	355	20
21	243	594	340	341	4,410	22,500	1,040	1,180	486	432	470	349	21
22	293	604	325	348	3,450	27,100	908	1,230	443	416	445	341	22
23	314	623	312	347	2,690	33,500	842	1,170	400	399	447	341	23
24	313	635	304	362	2,520	34,500	799	1,080	374	394	434	318	24
25	248	631	302	375	2,230	29,600	824	1,020	375	395	433	295	25
26	221	638	296	355	2,000	28,200	947	1,020	377	398	435	259	26
27	224	659	267	321	1,820	32,500	1,080	1,010	361	391	440	242	27
28	247	666	352	284	1,660 •	27,600	1,020	986	365	370	443	249	28
29	286	655	1,030	255		18,900	908	984	379	351	448	258	29
30	352	654	946	246		12,500	803	979	369	394	471	261	30
31	434 •		65,	245		8,380		971		408	514		31
MEAN	267	517	711	407	6,980	12,654	1,557	723	598	409	429	408	MEAN
MAX.	434	666	1,600	1,020	30,000	34,500	5,260	1,230	961	481	514	585	MAX.
MIN	188	235	267	245	262	1,220	799	292	369	316	384	242	MIN.
AC. FT.	16467	30813	43728	25047	386547	776115	92690	44473	35591	25148	26424	24303	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
2112.5	36900	55.18	03	24	0245	132.0	40.00	09	22	1745	1529347

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 20	121 54 02	NE7 15N 1E	150,000	61.64	1/26/70	JAN 39-DATE	NOV 34-MAY 37 # OCT 37-DATE	1934		0.00	USED

Station located on right bank 0.5 mi. upstream from Farmlan 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
19[illegible]5	A05929	WAD[illegible]WORTH CANAL NEAR SUTTER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	175	155	1[illegible]	3[illegible]	243	[illegible]4	[illegible] *	[illegible]	91	[illegible]3	[illegible]9	142	1
2	154	[illegible]	21	33	7[illegible]5	[illegible]2	77	59	114	[illegible]3	94	1[illegible]3	2
3	171	[illegible]2	29	33	394	[illegible]	[illegible]1	[illegible]9	13[illegible]	[illegible]	[illegible]	1[illegible]0	3
4	1[illegible]	44	50	25	250 *	[illegible]5	101	100	12[illegible]	[illegible]9	[illegible]	15[illegible]	4
5	1[illegible]5	41	42	28	15[illegible]	64	155	94	109	105	99	142	5
6	1[illegible]3	32	34	33	149	[illegible]6	1[illegible]2	49	99	1[illegible]	103	130	6
7	164	34	2[illegible]	32	1[illegible]	21	15[illegible]	2[illegible]	[illegible]	105	97	13[illegible]	7
8	1[illegible]8	52	31	33	322	631	1[illegible]2	1[illegible]	[illegible]9	[illegible]3	[illegible]4	1[illegible]	8
9	165	40	31	33	[illegible]10	324	1[illegible]3	30	99	100	[illegible]5	200	9
10	1[illegible]3	4[illegible]	31	37	499	22[illegible]	1[illegible]3	2[illegible]	[illegible]	89	[illegible]5	220	10
11	1[illegible]	42	30	28	325 *	184 *	157	[illegible]	[illegible]	98	[illegible]4	245	11
12	1[illegible]2	40	29	29	311	154	140	147	4[illegible]	94	100	23[illegible]	12
13	14[illegible]	36	28	28	1230	149	11[illegible]	119	4[illegible] *	[illegible]9	[illegible]4	209	13
14	153	30	22	27	1020	157	104	108	4[illegible]	[illegible]5	[illegible]4	21[illegible]	14
15	155	32	22	26	596 *	123	92	108 *	51	[illegible]0	[illegible]9 *	221	15
16	152	2[illegible]	24	25	423	121	9[illegible]	121	[illegible]3	129	[illegible]4	219 *	16
17	149	24	2[illegible] *	24 *	291	109	125	129	[illegible]5	109	119	221	17
18	150	2[illegible]	25	21	214	10[illegible]	1[illegible]5	130	[illegible]1	91 *	184	232	18
19	1[illegible]0	2[illegible] *	24	23	203	100	1[illegible]4	127	[illegible]4	[illegible]	202	213	19
20	152	25	24	32	193	11[illegible]	1[illegible]5	375	[illegible]5	92	1[illegible]0	205	20
21	1[illegible]8	25	22	29	175	208	125	2[illegible]2	[illegible]5	9[illegible]	173	204	21
22	200	22	19	24	11[illegible]	31[illegible]	[illegible]9	[illegible]9	90	103	184	230	22
23	212	19	21	23	105	211	114	[illegible]1	91	9[illegible]	159	202	23
24	21[illegible] *	19	21	30	9[illegible]	250	101	100	104	9[illegible]	153	109	24
25	220	20	21	2[illegible]	92	22[illegible]	[illegible]3	121	94	112	154	1[illegible]5	25
26	21[illegible]	20	19	24	8[illegible]	182	[illegible]9	119	[illegible]9	108	12[illegible]	132	26
27	222	21	20	21	[illegible]2 *	17[illegible]	[illegible]8	11[illegible]	[illegible]9	9[illegible]	126	13[illegible]	27
28	275	21	95	23	7[illegible]	1[illegible]7	92	13[illegible]	[illegible]9	94	148	1[illegible]5	28
29	274	20	71	25		141	[illegible]	131	[illegible]	7[illegible]	153	1[illegible]9	29
30	255	18	53	21		119	80	92	[illegible]	[illegible]	149	153	30
31	229		109	12		94		91		86	140		31
MEAN	194	3[illegible].9	33.[illegible]	27.4	347	1[illegible]8	11[illegible]	108	82.0	91.5	121	188	MEAN
MAX.	275	155	109	38	1230	631	184	375	138	129	202	245	MAX.
MIN.	147	18	1[illegible]	12	77	[illegible]4	67	16	4[illegible]	[illegible]3	75	130	MIN.
AC. FT.	11330	2194	2065	1682	19250	10350	7004	[illegible]629	4[illegible]	5[illegible]23	7[illegible]4	11170	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
124	NA					NA					[illegible]9620

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	N.A.	53.62	1/26/70	MAR 61-DATE	MAR 61-DATE	1961		0.00	USED

Station located at South Butte Road Bridge, 0.9 mi. E of Sutter. Tributary to Sutter Bypass. This station and one 2.2 mi. downstream are used to determine the slope for rating of canal. 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
1975	A05922	RECLAMATION DISTRICT 1660 DRAINAGE TO SUTTER BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.0	0.0	0.0	19	0.0	45	11	0.0	3.8	24	17	27	1
2	1.6	0.0	0.0	1.8	56	43	56	0.0	18	38	17	28	2
3	2.4	0.0	0.0	0.0	86	41	37	0.0	13	23	17	30	3
4	2.4	0.0	0.0	0.0	84	36	45	0.0	13	14	26	28	4
5	1.6	0.0	34	0.0	61	34	43	0.0	14	14	24	28	5
6	0.7	0.0	18	0.0	60	36	40	0.0	7.1	15	24	29	6
7	0.7	0.0	15	0.0	52	60	37	0.0	7.9	33	24	23	7
8	1.2	0.0	17	0.0	66	79	37	0.0	42	27	24	25	8
9	1.2	0.0	16	0.0	77	55	33	0.0	26	23	24	16	9
10	0.7	0.0	15	0.0	74	49	33	0.0	16	24	29	35	10
11	1.2	0.0	14	0.0	65	49	27	0.0	22	24	23	28	11
12	0.7	0.0	14	0.0	70	15	24	9.6	27	13	25	28	12
13	0.7	0.0	2.9	0.0	73	65	29	7.9	11	25	24	28	12
14	0.0	0.0	0.0	0.0	69	47	19	6.7	33	23	13	28	14
15	0.7	0.0	0.0	0.0	48	53	25	6.8	15	23	20	27	15
16	0.7	0.0	0.0	0.0	54	27	23	7.5	24	23	31	13	16
17	0.7	0.0	0.0	0.0	62	24	11	7.3	22	24	25	9.6	17
18	2.0	0.0	0.0	0.0	46	40	16	11	22	38	30	10	18
19	2.0	0.0	0.0	0.0	47	50	14	9.6	11	21	29	11	19
20	2.4	0.0	0.0	0.0	36	54	9.3	30	5.4	23	35 *	10	20
21	2.4	0.0	0.0	0.0	62	50	0.0	33	9.5	39	40	9.8	21
22	1.6	0.0	0.0	0.0	71	64	0.0	11	15	23	37	9.9	22
23	0.0	0.0	0.0	0.0	72	63	0.0	6.3	15	24	36	6.2	23
24	0.0	0.0	0.0	0.0	76	47	0.0	7.9	44	14	34	5.1	24
25	0.0	0.0	0.0	0.0	72	57	0.0	23	33	23	34	5.1	25
26	0.7	0.0	0.0	0.0	58	49	0.0	19	18	6.4	34	5.2	26
27	0.4	0.0	0.0	0.0	57	51	0.0	27	26	8.0	34	4.3	27
28	0.0	0.0	0.0	0.0	50	36	0.0	27	24	22	35	3.6	28
29	0.7	0.0	0.0	0.0		43	0.0	27	24	20	33	2.9	29
30	0.0	0.0	0.0	0.0		52	0.0	17	24	15	30	2.8	30
31	0.0		0.0	0.0		45		8.8		9.4	28		31
MEAN	1.0	0.0	4.7	0.7	60.9	47.1	19.0	9.8	19.5	21.8	27.6	17.7	MEAN
MAX.	2.4	0.0	34	19	86	79	56	33	44	39	40	35	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	15	0.0	0.0	3.8	6.4	13	2.8	MIN.
AC. FT.	62	0.0	289	41	3380	2894	1129	602	1162	1340	1697	1024	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
18.8	NR					NR					13620

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
39 01 57	121 44 33	NW27 14N 2E	N.A.			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
1975	A02963	RECLAMATION DISTRICT 1660 DRAINAGE TO TISDALE BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	4.5	15	11	0.0	28	0.0	20	7.1	33	51	45	42	1
2	7.8	13	10	36	47	0.0	22	10	48	64	44	40	2
3	10	14	11	16	0.0	0.0	12	26	35	35	67	38	3
4	7.8	11	0.0	14	49	0.0	0.0	32	31	48	51	37	4
5	7.8	9.5	0.0	13	33	0.0	0.0	47	32	47	39	37	5
6	9.5	11	0.0	14	23	0.0	0.0	46	21	47	41	37	6
7	9.0	11	0.0	11	24	0.0	0.0	39	46	52	41	35	7
8	9.0	13	0.0	13	28	21	0.0	57	44	41	31	42	8
9	8.4	11	0.0	12	47	64	0.0	46	43	44	38	52	9
10	9.0	6.3	0.0	11	46	45	0.0	42	37	45	49	44	10
11	9.0	11	0.0	11	46	46	0.0	48	30	34	48	41	11
12	9.5	11	0.0	15	77	46	0.0	59	51	40	53	38	12
13	10	11	0.0	25	109	46	0.0	48	43	66	47	41	13
14	9.0	11	11	16	112	46	0.0	43	56	56	42	40	14
15	9.0	0.0	12	15	64	47	0.0	45	56	32	43	37	15
16	10	11	12	14	51	47	0.0	47	40	52	45	38	16
17	11	11	15	15	46	47	0.0	45	61	52	48	37	17
18	9.5	11	13	15	46	22	0.0	46	57	44	57	35	18
19	8.4	11	12	15	47	17	0.0	43	47	44	58	33	19
20	9.0	11	12	15	48	17	0.0	68	50	47	51 *	32	20
21	8.4	10	11	14	24	45	17	59	61	58	49	29	21
22	8.4	11	12	14	0.0	45	20	51	55	46	47	28	22
23	10	11	11	14	0.0	44	27	8.4	66	40	46	37	23
24	9.0	11	11	14	0.0	44	32	63	63	39	45	31	24
25	11	11	11	14	0.0	44	35	64	59	40	46	31	25
26	10	11	11	13	0.0	44	35	62	57	40	44	32	26
27	7.8	12	11	13	0.0	43	30	25	50	39	46	19	27
28	12	11	22	13	0.0	44	22	68	53	54	41	22	28
29	11	12	16	13		30	11	48	53	38	38	20	29
30	11	12	16	12		23	4.4	31	52	40	41	20	30
31	13		0.0	12		22		32		33	42		31
MEAN	9.3	10.9	8.1	14.3	35.5	30.3	9.6	43.7	47.7	45.4	45.9	34.8	MEAN
MAX.	13	15	22	36	112	64	35	68	66	66	67	42	MAX.
MIN.	4.5	0.0	0.0	0.0	0.0	0.0	0.0	7.1	21	32	31	19	MIN
AC. FT.	573	646	498	877	1974	1862	570	2689	2836	2793	2822	2073	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
31.8	NR					NR					20210

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	N.A.			JAN 25-DATE					

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

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

WATER YEAR	STATION NO.	STATION NAME
1975	A02926	RECLAMATION DISTRICT 1500 DRAINAGE TO SACRAMENTO SLOUGH

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	53	41	105	73	264	151	288	174	498	396	371	584	1
2	53	0.0	72	74	1110	160	236	199	453	351	359	457	2
3	37	61	96	74	491	128	248	369	452	335	456	507	3
4	0.0	25	108	49	553	129	248	222	448	309	400	502	4
5	49	25	91	74	457	161	110	311	425	336	392	523	5
6	53	25	71	74	346	165	146	339	424	97	404	523	6
7	57	29	59	37	317	172	154	267	456	319	384	736	7
8	0.0	25	64	49	382	327	143	377	537	325	425	455	8
9	73	29	0.0	89	655	321	135	344	452	425	412	458	9
10	0.0	86	40	89	372	290	127	369	404	322	458	523	10
11	24	49	32	73	442	326	128	489	396	303	412	515	11
12	0.0	45	61	106	584	208	128	388	346	253	433	458	12
13	65	29	102	98	798	317	128	388	400	400	421	358	13
14	0.0	0.0	61	90	899	334	129	388	261	462	371	309	14
15	33	0.0	97	74	688	360	124	501	576	334	437	333	15
16	0.0	29	45	74	616	311	112	474	410	326	371	252	16
17	12	106	45	74	423	241	96	490	497	425	441	192	17
18	49	49	33	74	288	303	97	563	423	345	462	249	18
19	41	57	65	74	406	238	97	517	431	358	456	382	19
20	90	65	65	74	262	271	130	836	346	363	435	325	20
21	29	65	65	74	292	402	97	745	421	384	460	187	21
22	28	65	82	74	239	480	114	436	462	454	451	163	22
23	28	40	33	49	244	526	196	457	429	440	378	143	23
24	28	40	0.0	49	236	459	245	378	495	300	513	82	24
25	0.0	57	66	49	183	475	167	670	528	412	460	118	25
26	49	57	33	57	251	332	89	543	528	363	460	90	26
27	98	56	65	49	143	364	292	462	499	443	460	82	27
28	29	40	57	49	222	343	250	523	483	384	525	65	28
29	29	56	138	49		287	186	462	532	351	519	74	29
30	29	56	85	49		267	182	462	454	371	458	69	30
31	29		73	49		270		462		367	588		31
MEAN	34.4	43.6	64.8	67.4	434	294	161	439	449	356	438	324	MEAN
MAX.	98	106	138	106	1110	526	292	836	576	462	588	736	MAX.
MIN.	0.0	0.0	0.0	37	143	128	89	174	261	97	359	65	MIN.
AC. FT	2112	2592	3984	4145	24120	18090	9564	26990	26710	21920	26920	19270	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
282	NR					NR					186400

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	N.A.			APR 30-OCT 38 ⁿ/₀ JAN 38-DATE					

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

ⁿ/₀ - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1975	A02925	SACRAMENTO SLOUGH AT SACRAMENTO RIVER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	615	637	733	1070	644	3250	F	1030	1490	1070	843	1490	1
2	525	683	733	829	1320	2610	F	867	1570	918	909	1350	2
3	442	692	696	617	0.0	2190	F	854	1710	865	994	14[illegible]	3
4	408	630	582	550	2370	1910	6440	845	1810	868	996	1650	4
5	523	506	0.0	508	4100	1840	5000	721	1690	955	1020	1660	5
6	589	474	1100	541	4410	1800	4360	746	1420	990	947	1640	6
7	550	401	2200	437	3850	1780	3400	824	1360	985	944	1970	7
8	520	402	2000	482	2900	1290	3230	706	1540	1030	967	1550	8
9	550	427	1510	492	1030	1080	2910	700	1520	1020	9[illegible]	1510	9
10	488	390	1180	851	F	F	2440	709	1420	962	1010	1410	10
11	593	310	1130	1120	F	F	2470	887	1280	945	983	1670	11
12	593	439	952	1100	F	F	2320	902	1230	892	994	1600	12
13	650	574	870	913	F	F	2120	874	1200 *	1000	962	1530	13
14	550	465	878	715	F	F	2000	994	1050	859	935	1390	14
15	554	402	799	643	F	F	1820	1110 *	1120	870	954 *	1350	15
16	449	519	737	578	F	F	1620	1060	984	898	1020	1200	16
17	520	684	700	558 *	F	F	1530 *	1070	1060	982	1110	1010	17
18	544	644	693	579	F	F	1540	1300	1240	1130 *	1080	1080	18
19	439	578 *	648	511	F	F	1510	1510	1140	1020	1230	1110	19
20	472	585	677	565	F	F	1570	1500	1090	968	1330	1300	20
21	446	507	623	792	F	F	1420	2350	1140	1010	1290	978	21
22	465	543	549	714	F	F	1320	2700	1290	1040	1300	863	22
23	519	572	439	689	F	F	1150	2620	1230	1130	1290	799	23
24	553	635	396 *	652	6300	F	1150	2140	1290	1050	1310	723	24
25	566	646	350	596	5870	F	1080	2090	1330	984	1140	739	25
26	489	601	464	614	5160 *	F	905	2050	1190	1010	1290	604	26
27	469	610	461	580	4400	F	1020	1850	1180	1060	1270	542	27
28	396	551	479	588	3770	F	1280	1890	1130	925	1290	538	28
29	598	731	559	581		F	1180	1900	1210	895	1370	540	29
30	614	676	840	539		F	1160	1780	1130	844	1320	543	30
31	609 *		1010	538		F		1620		862	1460		31
MEAN	526	550	806	663	NR	NR	NR	1361	1300	969	1110	1200	MEAN
MAX.	650	692	2200	1120	NR	NR	NR	2700	1810	1130	1460	1970	MAX.
MIN.	396	310	0.0	437	NR	NR	NR	700	984	844	843	538	MIN
AC. FT	32330	32720	49540	40740	NR	NR	NR	83700	77440	59580	68480	71440	AC. FT

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

WATER YEAR SUMMARY

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

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

‖ - Irrigation season only.
F - Flooded

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	455420	FEATHER RIVER, MIDDLE FORK, NEAR PORTOLA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	33	79	58	28	34	493	493	504	275	113	26	54	1
2	34	81	57	71	28	841	472	504	276	100	28	50	2
3	34	81	62	247	24	1,120	436	529	288	90	29	49	3
4	35	80	77	208	19	1,020	411	591	284	82	30	48	4
5	35	78	85	167	15	798 *	421	650	258	75	32	47	5
6	36	75	104	169	15	700	465	663	227 *	71	34	49	6
7	37	73	110	190	17	770	459	597	222	67	36	50	7
8	40	72	82	238	21	947	454	518	217	126	36	47	8
9	41	70	78	247	36	1,270	445	473	209	61	28	47	9
10	41	69	66	331	36	1,080	428	471	199	51	35	54	10
11	42	71	61	379	46	698	443	482	185	47	36	56	11
12	42	72	63	335	51	491	444	543	175	40	37	60	12
13	42	71	64	276	83	406	435	541	170	35	36	59	13
14	42	71	63	244	143	367	453	629	168	35	33	61	14
15	41	65	66	231	196	362	469	652	165	34	31	60	15
16	42	50	67	226 *	214	391	471	681	165	33	30	60	16
17	43	50	64	226	258	427	440	667	168 *	35	30	59	17
18	44	51	60	230	274	453	410	667	168	35	33	57	18
19	44	52	53	239	269	573	386	641	169	35	43	58	19
20	44	52	51	245	229	659	402	625	162	35	46	58	20
21	44	61	51	246	270	667	416	670	160	35	47 *	57	21
22	44	68	46	245	293	323	428	713	154	33 *	50	57	22
23	44	75	48	248	252	411	447	666	153	32	59	55	23
24	45	84	44	246	205	568	495	635	159	32	68	54	24
25	46	89	33	245	187	1,330	628	587	160	30	85	54 *	25
26	49	81 *	30	244	208	2,580 *	814	544	165	28	99	54	26
27	53	75	34	214	242	2,460	859	521	164	27	109	54	27
28	62	72	31	212	314	852	701	473	152	24	108	54	28
29	65	67	35	195		717	587	379 *	138	22	98	53	29
30	69	61	34	189		598	532	334	126	22	76	50	30
31	75		28	155		503		303		24	62		31
MEAN	44.8	69.9	58.2	224	140	802	491	562	189	48.7	49.4	54.2	MEAN
MAX.	75.0	89.0	110	379	314	2,580	859	713	288	126	109	61.0	MAX.
MIN.	33.0	50.0	28.0	28.0	15.0	323	386	303	126	22.0	26.0	47.0	MIN.
AC. FT.	2753	4157	3580	13817	7813	49339	29244	34562	11268	2993	3035	3223	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
229.0	3120	7.42	03	27	0145	14.0	2.10	02	05	0400	165784

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 49 07	120 26 37	NE 29 23N 14E	9,300	10.34	3-18-1967	NOV 1955-DATE	NOV 1955-DATE	1955 1965	1965	0.00 1.00	LOCAL LOCAL

Station located south of State Highway 70, 1.8 miles 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
1975	454455	RED CLOVER CREEK ABOVE 488FY BRIDGE D4H5ITE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.1	3.8	3.1	5.5	7.1	39	116	599	121	6.4	2.6•	2.0	1
2	2.1	3.0	3.2	6.1	14	52	113 •	708	115	6.0•	2.6	1.9•	2
3	2.3	2.8	4.9	6.5	43	44	112	780	97	5.9	2.5	1.9	3
4	3.5	2.8	12	6.9	69	43 •	104	556	79 •	5.8	2.4	1.9	4
5	2.8	2.7	4.5	8.3	68	41	94	410	68	5.5	2.3	1.9	5
6	2.2	2.7	4.0	9.6	71	46	85	432	61	5.1	2.1	1.9	6
7	2.1	2.9	3.6	9.0	66	53	83	549	55	5.0	2.1	1.8	7
8	2.6	3.2	2.9	9.4	68	59	76	664	46	4.8	2.1	1.7	8
9	3.2	3.0	2.9	9.1	88	72	74	707	39	4.4	1.9	1.9	9
10	2.5	2.8	3.0	7.2	77	57	81	722	33	4.0	2.0	3.2	10
11	2.3	2.8	3.2	5.5	88	45	87	700	29	3.7	2.0	3.6	11
12	2.2	2.8	3.5	4.9	81	43	104	638	26	3.5	2.0	3.5	12
13	2.2	2.8	3.3	4.6	106	33	156	611	23	3.4	1.9	3.0	13
14	2.2	2.9	3.3	4.8	107	29	220	625	14	3.4	1.9	2.7	14
15	2.2	2.8	3.3	5.0	77	22	190	562 •	6.8	3.4	1.9	2.7	15
16	2.3	2.7	3.0	5.4	69	21	167	461	12 •	3.8	1.8	2.5	16
17	2.2	2.7	2.6	5.1	54	19	159	430	13	4.0	1.9	2.2	17
18	2.2	3.1	2.2	5.2	68	20	196	414	14	3.9	2.5	2.3	18
19	2.3	2.8	2.3	5.0	64	42	258	409	20	3.8	4.2	5.1	19
20	2.3	2.8	2.6	5.0	48	52	298	366	17	3.6	3.9	4.2	20
21	2.2	6.0	2.3	4.9	36	40	417	28[illegible]	13	3.3	3.8	3.1	21
22	2.2	5.5	2.3	4.8	37	69	442	240	12	3.1	3.6	3.2	22
23	2.4	3.5	1.5	4.8	34	58	437	230	10	3.0	3.1	3.2	23
24	2.3	3.5	1.7	4.9	21	59	636	227	11	2.9	2.6	3.2	24
25	2.4	3.8	1.7	4.8	12	120	559	217	13	2.7	2.5	3.2	25
26	2.5	3.5	2.3	4.6	9.5	118	377	191	11	2.5	2.3	3.2	26
27	2.6	3.4•	2.1	3.4	10	109	362	176	9.1	2.3	2.3	3.2	27
28	4.4	3.3	3.1	3.9	15	100	421	162 •	8.3	2.4	2.2	3.2	28
29	3.4	2.9	4.1	4.0		95	466	149	7.3	2.5	2.3	3.6	29
30	2.9	3.0	4.8	3.8		92	530	134	6.8	2.6	2.1	3.7	30
31	3.6		4.5	4.5		113		126		2.6	2.1		31
MEAN	2.5	3.2	3.3	5.7	53.8	58.2	247	434	33.0	3.8	2.4	2.8	MEAN
MAX.	4.4	6.0	12.0	9.6	107	120	636	780	121	6.4	4.2	5.1	MAX.
MIN.	2.1	2.7	1.5	3.4	7.1	19.0	74.0	126	6.8	2.3	1.8	1.7	MIN.
AC FT.	156	191	206	350	2990	3580	14717	26729	1964	237	150	168	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
71.1	976	7.62	05	02	2015	0.0	2.08	12	23	2145	51439

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. Station discontinued October 1, 1975.

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

WATER YEAR	STATION NO.	STATION NAME
1975	A54750	LAST CHANCE CREEK AT DIXIE REFUGE DAMSITE

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					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		
40 05 28	120 21 46	SE 23 26N 14E	1,570 E	7.42	12-22-1964	OCT 1964-DATE	JULY 1963-DATE	1963 1968	1968	0.00 0.00	LOCAL LOCAL

Station located 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. Maximum discharge listed is at site and datum then in use. Prior to October 2, 1968, station located 0.8 mile downstream. Station discontinued October 1, 1975.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A54370	INDIAN CREEK NEAR TAYLORSVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	47	71	66	62	164	315	538	1,600	1,350	210	64	69	1
2	47	70	66	64	169	374	513	1,840 *	1,230	195	69	69	2
3	47	70	73	155	176	409	515 *	2,200	1,170	185	72	65	3
4	49	68 *	134	208	188	408	491	2,100	1,110	177	71	63	4
5	50	67	112	190	206	396	460	1,670	1,070	166	71	63	5
6	50	65	88	180	154	398 *	418	1,440	1,030	154	70	63	6
7	50	65	82	182	87	481	382	1,700	1,000	143	68	63	7
8	50	63	76	205	90	641	380	2,020	1,090	133	68	62	8
9	51	63	72 *	232	179	627	349	2,340 *	996	123	68	61	9
10	51	63	73	194	199	530	370	2,600	828	117	68	66	10
11	51	63	73	197	167	453	370	2,790	751 *	114	67	71	11
12	51	63	75	188	206	382	397	2,780	732	109	67	69	12
13	51	64	87	180	613	370	545	2,790	682	105	68	72	13
14	51	65	82	179	431	323	831	2,800 *	649	99	66 *	74	14
15	52	65	80	176	291	305	772	2,870	617	98	65	68	15
16	52	65	79	175	244	300	702	2,670	572	101	65	66	16
17	52	65	78	174	204	284	634	2,400	527	97	65	64	17
18	52	64	72	170	188	273	669	2,300	477 *	96	72	64	18
19	52	64	69	170	199	423	901	1,920	475	93	88	64	19
20	53	66	69	168	227	540	913	1,630	448	88	86	63	20
21	54	92	70	168 *	196	496	1,320	1,490	407	84	82	62	21
22	54	102	69	168	182	360	1,580	1,510	370	81	82	62	22
23	54	83	63	157	183	397	1,460	1,490	341	79	78	62	23
24	55	75	59	162	179	420	1,690	1,380	331	77 *	75	62	24
25	57	76	72	170	178	900	1,560	1,350	323	74	74	62	25
26	56	74	71	170	179	771 *	1,410	1,330	299	72	72	62	26
27	55	72	75	171	198	692	1,250	1,320	273	70	71	62	27
28	70	69	71	179	251	566	1,480 *	1,310	255	67	69	63	28
29	69	67	59	174		504	1,600	1,320 *	237	64	69	66	29
30	68	66	72	159		484	1,600	1,310	223	63	69	68	30
31	69		68	175		556 *		1,340		64	70		31
MEAN	53.9	69.5	75.8	171	211	463	870	1,921	662	109	71.3	65.0	MEAN
MAX	70.0	102	134	232	613	900	1,690	2,870	1,350	210	88.0	74.0	MAX.
MIN	47.0	63.0	59.0	62.0	87.0	273	349	1,310	223	63.0	64.0	61.0	MIN
AC FT	3312	4136	4659	10516	11758	28518	51769	118155	39398	6740	4381	3868	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
396.7	2870	10.01	05	15	0000	44.0	4.17	12	29	0945	287210

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 02 54	120 48 55	NW 12 25N 10 E	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 at site and datum 1.2 miles downstream. 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
1975	A52250	FEATHER RIVER, WEST BRANCH, NEAR PARADISE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.8	11	1.6	6.2	216	406	514	524	1,140	119	3.5	2.1	1
2	1.8	2.7	1.6	5.3	458	649	463	622	1,040	103	2.7	2.2	2
3	1.8	1.8	176	4.3	173	564	460	810	958	91	2.5	1.7	2
4	1.8	1.7	650	4.4	234	460	452	812	849	82	2.2	1.5	4
5	1.8	1.6	113	4.5	115	417	445	624	896	73	2.0	1.4	5
6	1.8	1.5	43	84	112	487	394	552	965	60	1.9	1.4	6
7	1.7	4.7	23	152	265	1,020	361	588	847	49	1.7	1.3	7
8	1.7	15	16	547	856	2,030	371	698	762	41	1.7	1.1	8
9	1.7	2.7	9.5	189	1,950	1,440	342	760	718	32	1.7	1.1	9
10	1.9	1.9	7.5	83	977	947	339	827	671	25	2.0	1.2	10
11	1.9	1.9	6.0	50	546	706	328	936	564	23	6.7	1.3	11
12	1.8	1.8	7.7	38	884	565	344	1,040	518	24	5.2	1.4	13
12	1.7	1.7	37	32	3,130	492	370	1,140	471	21	1.9	1.3	13
14	6.0	1.6	12	28	1,300	431	439	1,240	522	17	1.5	1.3	14
15	58	1.6	12	26	726	401	370	1,250	549	18	1.4	1.2	15
16	31	1.6	10	25	510	434	325	1,120	516	58	1.4	1.2	16
17	27	1.6	8.9	25	375	384	289	1,170	471	28	1.4	1.1	17
18	28	5.4	6.7	24	300	818	276	1,270	388	23	17	1.1	18
19	3.8	5.1	4.9	30	397	2,150	279	1,280	319	21	30	1.2	19
20	1.5	2.6	3.9	30	586	1,330	289	1,110	276	17	15	1.2	20
21	1.3	75	4.0	28	372	944	336	847	235	13	6.0	1.2	21
22	1.2	71	8.7	27	291	799	371	863	234	12	15	1.2	32
23	1.2	12	3.8	25	249	636	373	908	235	11	6.6	1.1	33
24	1.2	4.4	2.1	23	273	774	1,260	1,010	261	10	3.1	1.2	24
25	1.2	7.4	2.6	26	284	2,710	1,250	981	249	9.1	2.2	1.2	35
26	1.3	7.8	2.1	33	284	1,400	797	931	206	7.6	1.8	1.2	26
27	1.6	3.6	78	19	290	960	639	999	183	6.4	7.1	1.2	27
28	28	2.1	85	11	323	743	592	1,030	169	6.5	3.7	1.3	28
29	8.0	1.9	21	16		629	568	1,110	138	15	2.0	1.3	29
30	2.4	1.8	13	8.2		593	570	1,120	132	9.9	1.7	1.3	30
31	8.4		8.7	14		589		1,160		5.4	1.5		31
MEAN	7.56	8.55	44.5	52.2	588	868	474	946	516	33.3	4.97	1.32	MEAN
MAX.	58	75	650	547	3,130	2,710	1,260	1,280	1,140	119	30	2.2	MAX.
MIN.	1.2	1.5	1.6	4.3	112	384	276	524	132	5.4	1.4	1.1	MIN.
AC. FT.	465	509	2,740	3,210	32,680	53,370	28,180	58,180	30,710	2,040	306	78	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
293	4,470	11.17	2	13	0630						212,500

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & R M.D.B.&M.	CFS	GAGE HT	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
39 47 12	121 33 42	SE 6 22N 4E	26,300	26.2	12-22-1964	OCT 1957-DATE	OCT 1957-DATE	1957		0.00	LOCAL

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

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

WATER YEAR	STATION NO.	STATION NAME
1975	A55100	FEATHER RIVER, MIDDLE FORK, NEAR MERRIMAC

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	198	341	327	274	693	1,780	2,320	2,810	5,260	1,090	358	298	1
2	198	309	321	269	795	2,390	2,200	3,030	4,910	1,030	356	283	2
3	200	292	525	268	588	2,680	2,130	3,840	4,720	984	354	275	3
4	206	285	1,180	427	654	2,600	2,070	4,180	4,590	948	343	275	4
5	202	284	652	506	553	2,390	1,970	3,430	4,600	909	333	271	5
6	201	281	505	657	539	2,330	1,860	3,140	4,620	881	322	263	6
7	203	313	463	933	655	2,830	1,800	3,140	4,310	856	317	263	7
8	212	352	452	1,690	1,100	4,490	1,730	3,360	3,770	822	319	259	8
9	232	308	422	985	2,830	4,170	1,690	3,760	3,450	827	321	255	9
10	239	290	389	790	2,120	3,520	1,740	4,160	3,230	771	313	255	10
11	231	283	377	788	1,460	2,820	1,730	4,710	3,060	728	296	317	11
12	223	279	384	788	1,620	2,250	1,750	5,050	2,960	700	295	302	12
13	216	279	455	735	4,790	1,980	1,860	5,240	2,880	662	288	292	13
14	216	277	412	677	3,310	1,780	2,130	5,730	2,820	630	287	285	14
15	216	275	394	643	2,010	1,700	2,080	5,860	2,740	626	284	287	15
16	216	271	381	627	1,590	1,680	1,940	5,340	2,620	672	279	284	16
17	212	262	377	614	1,340	1,630	1,830	5,460	2,440	633	270	279	17
18	212	295	366	615	1,230	1,910	1,770	5,700	2,150	606	358	279	18
19	212	296	353	627	1,430	3,690	1,790	5,970	1,910	578	433	279	19
20	214	272	343	633	1,850	3,800	1,800	5,560	1,760	552	417	276	20
21	216	465	347	640	1,490	3,090	2,030	4,560	1,700	531	360	273	21
22	215	656	351	640	1,320	2,620	2,270	4,250	1,630	509	379	267	22
23	215	435	319	636	1,260	2,120	2,260	4,440	1,550	484	351	267	23
24	216	384	270	643	1,190	2,410	3,380	4,820	1,590	465	321	263	24
25	218	443	290	653	1,130	6,850	4,670	4,990	1,500	448	317	266	25
26	220	434	312	684	1,140	5,920	3,480	4,670	1,360	429	320	261	26
27	229	387	395	667	1,200	5,440	3,160	4,770	1,270	407	328	258	27
28	425	364	376	576	1,490	4,060	3,000	4,900	1,230	394	335	260	28
29	380	349	320	608		2,820	2,830	4,990	1,190	380	340	265	29
30	290	338	299	542		2,590	2,800	4,960	1,140	371	333	263	30
31	330		316	577		2,570		5,150		367	315		31
MEAN	233	337	409	658	1,478	2,997	2,269	4,580	2,765	655	330	274	MEAN
MAX.	425	656	1,180	1,690	4,790	6,850	4,670	5,970	5,260	1,090	433	317	MAX.
MIN.	198	262	270	268	539	1,630	1,690	2,810	1,140	367	270	255	MIN.
AC. FT.	14,310	20,030	25,140	40,490	82,070	184,300	135,000	281,600	164,600	40,250	20,320	16,300	AC. FT.

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

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
1,415	8,500	11.55	3	25	1000						1,024,000

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

Station located 400 feet downstream from bridge on Milsap Bar Road, 500 feet downstream from Little North Fork, 4.5 miles southeast of Merrimac, and 20 miles northeast of Droville. Altitude 1,560 feet. Drainage area is 1,062 square miles.

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

WATER YEAR	STATION NO.	STATION NAME
1975	A56080	FEATHER RIVER, SOUTH FORK, AT PONDEROSA DAM

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	60	61	0.0		0.0	120	568	484	345	0.0	214	250	1
2	45	0.0	0.0		130	1.8	544	472	340	0.0	250	255	2
2	97	0.0	11		14	221	538	484	340	0.0	255	260	2
4	52	0.0	34		61	400	538	502	335	0.0	265	265	4
5	68	0.0	0.0		0.2	310	606	484	330	0.0	218	265	5
6	47	0.0	0.0		0.0	410	532	309	325	0.0	265	260	6
7	84	0.0	0.0		0.0	410	526	405	325	0.0	241	255	7
8	70	0.0	0.0		0.0	658	514	438	320	0.0	290	255	8
9	67	0.0	0.0		397	388	508	438	315	0.0	290	260	9
10	79	0.0	0.0	N	361	356	496	432	315	0.0	265	144	10
11	60	0.0	0.0	O	33	490	508	449	310	0.0	241	265	11
12	66	0.0	0.0		290	472	508	449	310	0.0	111	285	12
12	64	0.0	0.0		1,730	466	508	444	315	0.0	250	290	12
14	70	0.0	0.0		562	454	502	449	315	0.0	255	290	14
15	65	0.0	0.0	F	160	460	490	454	315	0.0	245	290	15
16	64	0.0	0.0	L	60	472	472	466	315	0.0	245	295	16
17	54	0.0	0.0		20	454	460	466	315	0.0	245	300	17
18	0.0	0.0	0.0	O	64	496	472	460	315	0.0	255	300	18
19	8	0.0	0.0		320	606	460	454	300	0.0	260	300	19
20	17	0.0	0.0	W	305	580	455	454	183	0.0	123	300	20
21	0.0	0.0	0.0		449	562	449	444	0.0	0.0	236	300	21
22	68	0.0	0.0		427	586	449	422	0.0	508	260	300	22
23	60	0.0	0.0		444	532	449	400	0.0	295	260	300	23
24	84	0.0	0.0		427	621	526	400	0.0	250	260	295	24
25	90	0.0	0.0		416	1,660	606	394	0.0	246	265	295	25
26	75	0.0	0.0		410	1,010	532	400	0.0	250	265	295	26
27	68	0.0	0.0		229	745	490	400	0.0	223	255	295	27
28	108	0.0	0.0		400	671	490	472	0.0	250	260	295	28
29	96	0.0	0.0			638	484	388	0.0	250	260	280	29
30	67	0.0	0.0			619	490	372	0.0	250	260	265	30
31	106		0.0			580		350		250	255		31
MEAN	63.2	2.03	1.45	0.0	275	531	506	433	209	89.4	246	277	MEAN
MAX.	108	61	34	0.0	1,730	1,660	606	502	345	508	290	300	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	1.8	449	309	0.0	0.0	111	144	MIN.
AC. FT.	3,890	121	89	0.0	15,290	32,630	30,090	26,650	12,460	5,500	15,110	16,470	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
219											158,300

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & R M D B &M	CFS	GAGE HT	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
39 32 52	121 18 11	SE 33 20N 6E	11,000	12.70	12-22-1964	JULY 1962-DATE	JULY 1962-DATE	1962 1967	1967	0.00 0.00	LOCAL USCGS

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

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

WATER YEAR	STATION NO.	STATION NAME
1975	A56911	PALERMO CANAL AT DROVILLE DAM

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	16	5.5	6.2	5.8		0.0	2.4	11	23	25	25	23	1
2	14	5.4	6.2	5.8		0.0	2.4	12	23	26	25	23	2
3	12	5.4	6.2	5.8		0.0	2.4	12	23	25	25	23	3
4	12	5.4	6.2	5.8		0.0	2.4	12	23	26	25	23	4
5	12	5.4	6.2	5.8		0.0	2.4	12	23	26	25	23	5
6	12	5.4	6.2	5.8		0.0	2.4	11	24	26	25	23	6
7	13	5.4	6.1	5.8		0.0	2.4	9.1	24	26	25	23	7
8	16	5.3	6.0	5.8		0.0	2.4	9.8	24	26	25	23	8
9	15	5.4	6.0	5.8		0.0	2.4	12	24	26	25	23	9
10	14	5.4	6.0	5.8	N	0.0	2.4	13	24	24	25	23	10
11	14	5.7	6.0	5.8	O	0.0	2.4	13	24	23	25	23	11
12	14	6.3	6.0	5.8		0.0	2.4	16	24	23	25	23	12
13	14	6.2	6.0	5.8		0.0	2.4	18	24	23	25	23	13
14	14	6.2	5.9	5.8		0.0	2.4	19	23	25	25	23	14
15	17	6.2	6.0	5.8	F	1.4	2.4	20	23	25	25	23	15
16	14	6.2	6.0	5.8	L	2.2	2.5	18	24	25	25	23	16
17	14	6.2	5.9	5.8		2.2	2.5	18	24	24	24	23	17
18	14	6.2	5.8	5.8	D	2.3	2.9	18	24	23	22	23	18
19	14	6.2	5.8	5.8		2.3	3.2	18	23	23	21	23	19
20	14	6.2	5.8	5.8	W	2.3	3.2	18	23	23	21	23	20
21	13	6.2	5.8	5.8		2.3	4.6	18	23	23	21	23	21
22	12	6.2	5.8	1.9		2.3	5.3	19	23	23	21	23	22
23	12	6.2	5.8	0.0		2.3	5.4	21	23	23	21	23	23
24	11	6.2	5.8	0.0		2.3	5.4	21	23	24	21	23	24
25	11	6.2	5.8	0.0		2.3	5.4	21	23	25	23	23	25
26	11	6.2	5.8	0.0		2.3	5.4	21	23	25	24	23	26
27	11	6.2	5.8	0.0		2.3	5.4	21	23	25	24	23	27
28	9.3	6.2	5.8	0.0		2.3	5.5	22	23	25	24	23	28
29	6.8	6.2	5.8	0.0		2.3	7.4	23	23	25	24	21	29
30	5.7	6.2	5.6	0.0		2.3	8.5	23	24	25	24	20	30
31	5.7		5.8	0.0		2.3		23		25	24		31
MEAN	12.5	5.9	5.9	3.9		1.2	3.6	16.9	23.4	24.5	23.8	22.8	MEAN
MAX.	17	6.3	6.2	5.8		2.3	8.5	23	24	26	25	23	MAX.
MIN.	5.7	5.3	5.6	0.0		0.0	2.4	9.1	23	23	21	20	MIN.
AC. FT.	769	352	365	245		75	215	1,040	1,390	1,510	1,470	1,360	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
12.1											8,790

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 59	121 28 54	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
1975	A05191	FEATHER RIVER AT OROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	410	800	860	855	513	406	406	419	417	425	405	426	1
2	410	785	855	861	471	406	409	420	418	423	404	425	2
3	410	830	852	849	402	406	414	421	412	425	405	426	3
4	412	838	858	819	411	406	414	427	410	426	403	427	4
5	407	848	852	791	414	408	413	423	413	426	401	418	5
6	410	838	834	850	409	409	410	423	410	428	399	416	6
7	411	840	832	861	408	413	410	421	413	427	402	415	7
8	409	839	826	869	412	416	416	423	409	427	401	418	8
9	412	832	831	870	413	413	415	425	407	426	395	418	9
10	408	839	832	845	409	415	413	425	437	425	398	417	10
11	405	842	834	819	402	413	413	424	424	423	401	418	11
12	397	839	830	797	446	407	407	423	420	424	401	417	12
13	405	844	822	853	428	412	405	412	416	427	398	409	13
14	407	845	810	890	403	411	408	416	410	427	399	409	14
15	415	858	793	882	384	409	413	417	416	409	409	408	15
16	675	859	807	885	382	407	413	414	416	401	409	408	16
17	795	853	823	886	397	410	414	415	416	396	401	408	17
18	796	863	826	869	406	415	411	411	415	406	413	411	18
19	784	862	814	859	403	418	413	414	410	400	415	413	19
20	781	855	810	849	402	414	405	406	408	400	411	413	20
21	785	857	799	874	403	423	405	405	405	403	409	410	31
22	791	861	826	883	401	420	411	405	407	400	411	408	22
23	799	852	864	866	400	418	411	413	404	397	403	403	23
24	790	852	871	857	399	418	413	417	407	387	402	403	24
25	783	849	844	832	399	410	414	415	420	369	404	403	25
26	804	852	843	830	403	407	413	410	426	373	404	406	26
27	835	853	865	861	406	407	411	414	428	373	405	410	27
28	824	861	863	875	407	401	409	410	421	378	403	410	28
29	774	856	851	867		396	414	409	422	385	401	410	29
30	787	860	853	865		396	417	410	425	397	403	408	30
31	801		864	871		397		414		403	418		31
MEAN	604	845	837	856	412	410	411	416	415	408	404	413	MEAN
MAX.	835	863	871	890	513	423	417	427	437	428	418	427	MAX.
MIN.	397	785	793	791	382	396	405	405	404	369	395	403	MIN.
AC. FT.	37,150	50,310	51,460	52,640	22,880	25,200	24,480	25,590	24,720	25,060	24,860	24,580	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
537	1,117	1.13	1	13	1400						388,900

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T & R M.D B &M.	CFS	GAGE HT	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
39 31 18	121 32 48	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 is regulated by reservoirs and power plants. Flows diverted through Fish Hatchery are included. Maximum discharge listed at site then in use (approximately 167.5 feet, USCGS Datum). Drainage area is 3,626 square miles.

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

WATER YEAR	STATION NO.	STATION NAME
1975	A05975	THERMALITO AFTERBAY RELEASE TO FEATHER RIVER NEAR OROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	7,140	2,640	9,160	2,620	2,150	1,280	1,090	7,130	3,180	2,150	5,140	4,200	1
2	7,120	2,600	9,140	2,640	1,920	1,270	874	8,080	3,190	2,150	4,960	4,210	2
3	7,150	2,610	9,170	2,630	1,720	1,270	695	9,420	3,180	2,160	5,200	4,180	3
4	7,150	2,630	9,200	2,590	1,480	1,260	580	9,510	3,740	2,130	5,150	4,180	4
5	7,040	2,640	9,160	2,620	1,280	1,270	582	9,510	5,610	2,160	5,100	4,170	5
6	7,080	2,640	9,190	2,640	1,290	1,280	581	9,490	7,160	2,150	5,100	4,150	6
7	7,100	2,640	9,130	2,650	1,280	1,280	580	9,480	8,080	2,150	5,040	4,120	7
8	7,140	2,630	9,160	2,660	1,270	1,280	582	9,470	8,130	2,160	5,040	4,190	8
9	7,160	2,600	8,670	2,660	1,280	1,280	574	9,590	8,120	2,160	5,030	4,210	9
10	7,160	2,580	6,650	2,660	1,270	1,280	577	9,610	8,140	2,170	4,180	4,220	10
11	7,150	2,630	4,750	2,600	1,270	1,270	569	9,530	7,250	3,250	4,170	4,210	11
12	7,040	2,640	4,190	2,590	1,270	1,270	573	9,760	6,260	4,270	4,190	4,200	12
13	7,030	3,360	3,840	2,610	1,280	1,280	570	9,820	5,350	5,100	4,200	4,200	13
14	7,120	6,330	2,660	2,680	1,280	1,270	588	9,810	4,300	5,160	4,160	4,150	14
15	7,120	6,650	2,600	2,660	1,280	1,280	577	9,790	3,730	5,140	4,220	4,150	15
16	6,900	6,610	2,630	2,490	1,280	1,280	568	9,720	3,740	5,170	4,200	4,140	16
17	6,650	6,590	2,660	2,270	1,280	1,280	566	8,830	2,570	5,100	4,180	4,130	17
18	6,620	6,670	2,660	2,180	1,280	1,280	574	7,770	2,250	5,080	4,220	4,110	18
19	6,540	6,640	2,620	2,130	1,280	1,270	568	7,760	2,230	5,070	4,250	4,140	19
20	6,510	6,630	2,610	2,180	1,290	1,270	574	6,850	2,240	5,070	4,230	3,320	20
21	6,620	8,290	2,610	2,190	1,290	1,280	1,050	5,610	2,180	5,080	4,220	2,450	21
22	6,640	9,210	2,600	2,210	1,280	1,280	1,580	5,230	2,150	5,090	4,200	2,450	22
23	6,140	9,160	2,630	2,170	1,270	1,280	2,060	4,320	2,160	5,080	4,180	2,450	23
24	4,230	9,160	2,660	2,140	1,270	1,290	2,750	3,450	2,150	5,090	4,170	2,460	24
25	2,670	9,200	2,610	2,150	1,270	1,280	3,680	3,170	2,160	5,120	4,180	2,470	25
26	2,590	9,150	2,640	2,150	1,270	1,280	4,650	3,180	2,160	5,080	4,160	2,470	26
27	2,570	9,170	2,640	2,180	1,260	1,280	5,530	3,210	2,160	5,050	4,230	2,450	27
28	2,610	9,170	2,640	2,220	1,260	1,280	6,700	3,200	2,150	5,060	4,170	2,460	28
29	2,630	9,220	2,610	2,210		1,270	6,990	3,200	2,140	5,140	4,190	2,470	29
30	2,630	9,170	2,640	2,190		1,260	7,110	3,200	2,160	5,100	4,190	2,470	30
31	2,630		2,650	2,220		1,270		3,190		5,100	4,190		31
MEAN	5,867	5,729	4,799	2,413	1,354	1,276	1,818	7,158	4,001	4,063	4,453	3,573	MEAN
MAX.	7,160	9,220	9,200	2,680	2,150	1,290	7,110	9,820	8,140	5,170	5,200	4,220	MAX.
MIN.	2,570	2,580	2,600	2,130	1,260	1,260	566	3,170	2,140	2,130	4,160	2,450	MIN.
AC. FT.	360,800	340,900	295,100	148,300	75,170	78,450	108,200	440,100	238,100	249,800	273,800	212,600	AC. FT.

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

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
3,897	10,010	6.52	5	12							2,821,000

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T & R. M.D.B.&M.	CFS	GAGE HT	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
39 27 23	121 38 10	SE 33 19N 3E	21,600		1-28-1970	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
1975	A05165	FEATHER RIVER NEAR GRIDLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	7,710	3,530	10,100	3,510	2,830	1,720	1,600	8,040	3,640	2,500	5,720	4,340	1
2	7,670	3,500	10,100	3,530	2,540	1,710	1,460	8,870	3,660	2,500	5,210	4,380	2
3	7,720	3,520	10,100	3,510	2,180	1,680	1,320	10,200	3,610	2,510	5,440	4,340	3
4	7,690	3,540	10,100	3,440	2,000	1,680	1,180	10,300	4,130	2,510	5,360	4,340	4
5	7,520	3,570	10,000	3,460	1,780	1,700	1,140	10,300	6,240	2,510	5,340	4,320	5
6	7,550	3,570	10,000	3,480	1,710 *	1,720	1,130	10,300	8,100	2,520	5,350	4,300	6
7	7,570 *	3,590	9,960	3,530	1,710	1,840	1,130	10,300	9,130	2,520	5,150	4,250	7
8	7,630	3,530	9,990	3,550	1,750	1,850	1,130	10,300 *	9,220	2,530	5,140	4,300	8
9	7,580	3,520	9,580	3,510	1,810	1,840	1,120	10,500	9,140	2,540	5,120	4,340	9
10	7,570	3,490	7,720	3,490	1,800	1,810	1,130	10,600	9,170	2,540	4,420	4,340	10
11	7,550	3,510	5,870	3,420	1,790	1,740	1,120	10,500	8,290	3,680	4,330	4,320	11
12	7,460	3,520	5,100	3,400	1,870	1,740	1,100	10,600	7,160	4,880	4,340	4,310	12
13	7,400	4,000 *	4,850	3,420	2,170	1,770	1,130	10,800	6,140	5,910	4,350	4,310	13
14	7,470	6,800	3,680	3,550 *	1,970	1,750	1,140	10,800	4,970	6,060	4,310	4,260	14
15	7,470	7,450	3,490	3,500	1,850	1,790	1,130	10,700	4,300	6,010	4,340	4,250	15
16	7,450	7,460	3,480	3,400	1,760	1,790	1,120	10,700	4,200	6,040	4,350	4,210	16
17	7,400	7,450 *	3,540	3,140	1,730	1,810	1,120	9,700	3,130 *	5,920	4,340	4,190	17
18	7,360	7,550	3,560	3,040	1,750	1,820 *	1,130	8,580	2,640	5,860	4,370	4,170	18
19	7,250	7,580	3,500	2,970	1,770	1,790	1,130	8,440	2,590	5,830	4,400	4,210	19
20	7,210	7,580	3,490	2,960	1,710	1,790	1,120	7,640	2,590	5,880	4,400	3,560	20
21	7,260	8,940	3,490	2,990	1,690	1,880	1,500	6,250	2,570	5,890	4,390	2,770	21
22	7,310	10,000	3,420	3,000	1,700	1,900	2,000	5,920	2,510	5,930	4,380	2,680	22
23	6,940	10,000	3,440	2,990	1,690	1,860	2,440	4,970	2,520	5,920 *	4,360	2,660	23
24	5,260	10,100	3,530	2,930	1,680	1,880	3,200	4,040	2,500	5,930	4,330	2,660	24
25	3,740	10,100	3,480	2,890	1,670	1,840	4,290	3,65[illegible]	2,500	5,940	4,340	2,660	25
26	3,570	10,100	3,460	2,870	1,670	1,790	5,440	3,650	2,510	5,900	4,350 *	2,660	26
27	3,560	10,100	3,570	2,890	1,680	1,790	6,490	3,650	2,520	5,860	4,400	2,640	27
28	3,630	10,100	3,550	2,960	1,690	1,760	7,640	3,630	2,520	5,830	4,350	2,660	28
29	3,540	10,200	3,490	2,910		1,740	7,920	3,620	2,510	5,880	4,310	2,660	29
30	3,530	10,200	3,490	2,890		1,750	8,020	3,650	2,490	5,850	4,320	2,680	30
31	3,560		3,520	3,020		1,700		3,640		5,810	4,320		31
MEAN	6,520	6,603	5,699	3,230	1,854	1,781	2,417	7,898	4,573	4,709	4,633	3,725	MEAN
MAX.	7,720	10,200	10,100	3,550	2,830	1,900	8,020	10,800	9,220	6,060	5,720	4,380	MAX.
MIN.	3,530	3,490	3,420	2,870	1,670	1,680	1,100	3,620	2,490	2,500	4,310	2,640	MIN
AC FT.	400919	392925	350420	198645	102982	109547	143841	485633	272132	289567	284886	221692	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
4493.6	11000	79.22	05	14	0915	1090.0	74.81	04	12	1430	3253188

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 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-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	405735	NORTH HONCUT CREEK NEAR BANGOR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.5	6.1	4.2	7.7	1,110	20	42	12	3.3	1.2	0.3	1.4	1
2	0.4	4.2	4.4	6.8	1,540	32	35	11	3.6	1.2	0.4	1.3	2
3	0.5	3.0	7.0	6.2	337	27 *	32	9.3	3.4	1.8	0.9	1.3	3
4	0.5	2.6	15	5.9	533	22	33	14	2.9	2.3	0.8	1.0*	4
5	0.4	2.1	10	5.9	179	22	67	11	2.6	2.8	0.8	0.8	5
6	0.3	2.0	7.4	77	138	32	70	10	3.2	2.5	0.7	0.9	6
7	0.4	2.5	6.2	127	163	233	57	10	2.6	2.1	0.6	0.9	7
8	0.3	6.8*	5.6	128	545	418	81	8.8	2.5	1.9	0.4	0.8	8
9	0.4	5.5	5.2	41	435	172	63	8.5	2.0	1.7	0.6	1.3	9
10	0.8	3.9	5.1	22	384	130	45	8.0	2.0	1.7	0.9	1.7	10
11	1.2	3.2	4.6	17	156	90 *	36	7.7	1.7	1.6	1.1	2.5	11
12	0.9	2.8	4.6	14	1,870	59	30	7.0	1.7	1.4	1.2	2.2	12
13	0.9	2.5	4.9	15	2,370 *	83	26	6.5	1.7	1.4	1.3	1.7	13
14	0.9	2.3	4.9	17	359	128	25	5.9	1.7	1.2	1.6	1.4	14
15	0.8	2.3	4.8	17	192	77	24	5.2*	1.8	1.1	1.6	1.1	15
16	0.7	2.2	4.7	16	125	187	21	6.5	1.8	1.2	1.5	1.0	16
17	0.7	2.0	4.6	15 *	86	109	19	6.6	1.9	1.1	1.6	1.2	17
18	0.6	2.5	4.5	15	65	195	17	6.0	2.0	0.9*	2.5	1.5	18
19	0.7	3.5	4.4	14	95 *	453	15	7.0	2.4*	0.7	3.3	1.9	19
20	0.8	3.3	4.4	13	104	274	14	7.0	3.0	1.3	2.7	2.5	20
21	1.0	3.8	4.6	11	59	429	14	7.2	2.3	1.6	2.4	2.1	21
22	1.4	5.3	4.5	11	44	467 *	13	8.1	2.1	1.5	2.0	1.5	22
23	1.8	4.6	4.1	10	37	194	12	7.0	1.8	1.4	1.6	1.2	23
24	2.7	4.3	3.9	11	32	339	31	6.9	2.0*	0.9	1.2	1.4	24
25	2.8*	4.4	3.8	11	30	670	68	5.1	2.2	0.6	1.0	1.5	25
26	2.8	4.5	3.9	11	27	232	31	4.6	1.9	0.5	1.0*	1.7	26
27	2.7	4.2*	4.9	10	24	150	23	4.4	1.6	0.3	1.2	1.7	27
28	5.4	4.2	45	8.7	22	102	18	4.2	1.8	0.2	1.3	1.7	28
29	6.1	4.0	27	8.1		77	16	3.9	1.7	0.1	1.5	1.5	29
30	4.6	4.1	13	6.4		63	14	3.9	1.5	0.1	2.3	1.4	30
31	4.8		9.5	7.2		53		3.6		0.5	1.8		31
MEAN	1.6	3.6	7.8	22.1	395	178	33.1	7.3	2.2	1.3	1.4	1.5	MEAN
MAX.	6.1	6.8	45.0	128	2,370	670	81.0	1[illegible].0	3.6	2.8	3.3	2.5	MAX.
MIN.	0.3	2.0	3.8	5.9	22.0	20.0	12.0	3.6	1.5	0.1	0.3	0.8	MIN
AC. FT.	97	216	477	1360	21939	10990	1968	448	132	77	84	87	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
52.3	7340	11.09	02	12	2045	0.1	3.14	07	29	1615	37876

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

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

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A61265	SQUIRREL CREEK NEAR PENN VALLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	12	11	10	14	306	17	27	21	16	13	12	12	1
2	12	9.0	9.8	13	487	19	24	20	18	14	13	11	2
3	12	8.3	25	12	290	16	25	24	18	14	13	11	3
4	12	8.4	33	12	372	15	45	23	17	15	13	10 *	4
5	12	8.4	14	11	73	18	186	21	16	15	12	9.5	5
6	11	8.6	11	286	48	24	150	19	18	13	12	9.2	6
7	11	11	9.9	150	42	134	109	18	18	13	12	9.2	7
8	11	12 *	12	318	132	219	80	18	18	12	14	9.6	8
9	12	10	12	37	572	58	55	20	17	12	14	10	9
10	12	9.5	12	23	244	43	42	20	18	11	13	11	10
11	11	9.3	12	19	55	32 *	34	20	18	12	12	12	11
12	10	9.1	11	17	631	26	29	20	19	12	11	12	12
13	10	9.0	12	16	712	32	27	21 *	16	12	12	12	13
14	10	8.9	11	15	133	50	25	21	16	12	12	12	14
15	10	9.7	11	14	59	65	25	21	16	12	12	12	15
16	11	10	11	14	40	192	24	21	17	15	12	10	16
17	10	10	10	13 *	32	45	23	20	17	14	12	9.2	17
18	9.5	11	11	12	28	40	24	20	17	12 *	17	10	18
19	8.6	10	11	12	72 *	117	22	20	17 *	11	17	10	19
20	8.6	10	11	12	53	60	21	19	17	10	15	11	20
21	8.6	19	11	11	33	299	20	19	16	9.9	15 *	12	21
22	8.7	14	11	11	27	172 *	20	19	16	9.5	14	12	22
23	8.6	11	10	10	25	54	22	18	15	8.7	13	12	23
24	8.8	10	8.8	10	24	340	50	18	17 *	9.5	13	12	24
25	8.3*	18	9.0	9.9	23	555	38	18	18	9.0*	12	11	25
26	8.3	18	9.2	10	21	83	28	17	16	8.9	12	11	26
27	9.5	15	30	9.8	19	49	24	17	13	9.9	12	12	27
28	22	8.8	129	9.7	17	39	23	17	13	10	12	13	28
29	12	9.4	24	9.9		35	22	16	12	12	12	12	29
30	9.5	10	17	9.8		32	21	16	12	12	12	11	30
31	16		15	14		29		16		12	12		31
MEAN	10.8	10.9	17.2	36.6	163	93.8	42.2	19.3	16.4	11.8	12.9	11.0	MEAN
MAX.	22.0	19.0	129	318	712	555	186	24.0	19.0	15.0	17.0	13.0	MAX.
MIN.	8.3	8.3	8.8	9.7	17.0	15.0	20.0	16.0	12.0	8.7	11.0	9.2	MIN.
AC FT.	666	647	1059	2251	9064	5770	2509	1186	976	725	791	656	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
36.3	2690	12.76	02	12	2015	6.9	5.81	06	27	1600	26301

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 12 38	121 12 04	SW 26 16N 7E	2,690	12.76	2-12-75	FEB 1972-DATE	FEB 1972-DATE	1972		0.00	LOCAL

Station located 0.4 mile north of Highway 20 on Bridgeport Road, 1.5 miles northwest of Penn Valley. Station established and operated in cooperation with Nevada Irrigation District.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	405120	FEATHER RIVER BELOW SHANGHAI BEND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	8,480	4,160	14,600	7,450	6,060	3,560	5,560	10,400	6,980	4,100	8,430	6,880	1
2	8,460	4,070	14,600	7,260	12,900	3,560	5,890	10,300	7,410	4,130	7,960	6,950	2
3	8,480	3,950	14,810	7,290	12,200	3,700	6,360	10,900	7,400	4,310	7,430	6,940	3
4	8,500	3,980	15,000	7,250	9,170	4,190	6,280	11,400	7,500	4,130	7,770	6,950	4
5	8,420	3,980	14,900	7,210	7,140	4,220	6,600	11,700	8,980	4,130	7,830	6,970	5
6	8,350	4,010	14,800	7,460	5,600	4,400	6,790	11,500	11,300	4,160	7,850	6,970	6
7	8,390 •	4,070	14,600	8,460	4,280	4,820	6,560	11,300	12,500	4,160	7,770	6,980	7
8	8,520	4,220	14,000	8,870	4,960	7,070	6,510	11,300 •	13,200	4,070	7,620	6,980	8
9	8,630	4,130	14,400	8,470	7,680	6,860	6,200	11,300	14,000	4,100	7,620	7,110	9
10	8,650	4,070	13,200	8,150	8,400	5,700	6,300	11,600	14,200	4,070	7,350	7,100	10
11	8,590	4,040	10,900	8,010	5,670	5,450	6,150	11,400	13,800	4,590	6,870	7,130	11
12	8,590	4,070	9,240	7,640	4,460	5,210	6,090	11,700	12,500	5,700	6,840	7,140	12
13	8,450	4,070 •	9,050	7,320 •	18,700	5,180	5,790	12,500	11,600	7,020	6,850	7,140	13
14	8,480	6,090	8,100	6,940	16,500	5,560	5,580	12,500	10,800	7,620	6,860	7,120	14
15	8,540	8,370	7,490	6,030	9,720	5,410	5,930	12,400	10,100	7,660	6,820	7,100	15
16	8,540	8,540	7,42[illegible]	5,910	6,900	5,810	5,920	12,500	9,740	7,670	6,830	7,070	16
17	8,450	8,560	7,420 •	5,600	5,420	5,750	5,870	12,100	8,940 •	7,580	6,840	7,040	17
18	8,410	8,860	7,420	5,620	4,000 •	5,970 •	5,890	11,100	7,540	7,490	6,900	7,020	18
19	8,380	9,210	7,340	5,450	4,070	6,270	5,810	10,600	6,830	7,470	6,930	7,040	19
20	8,310	9,470	7,380	5,420	4,470	7,500	5,750	11,100	6,410	7,560	6,940	6,820	20
21	8,300	10,200	7,380	5,580	4,790	6,840	5,790	9,540	5,330	7,630	6,930	6,050	21
22	8,440	12,300	7,3[illegible]	5,610	4,630	10,400	6,780	9,080	4,990	8,410	6,940	5,590	22
23	8,440	12,800	7,170	5,580	4,500	9,290	6,480	8,180	4,760	8,550 •	6,930	5,560	23
24	7,100	13,200	7,240	5,460	4,400	8,610	6,790	5,900	4,340	8,560	6,920	5,560	24
25	5,790	13,700	7,210	5,380	4,340	13,700 •	7,820	4,920	4,820	8,630	6,910	5,550	25
26	4,400	14,000	7,160	5,180	4,310	14,100	7,210	4,850	5,260	8,590	6,840 •	5,530	26
27	4,160	14,500	7,360	5,060	4,340	10,000	7,870	5,020	4,850	8,100	6,790	5,530	27
28	4,310	14,600	7,950	4,850	4,190	8,880	9,160	6,220	3,980	8,230	6,770	5,560	28
29	4,250	14,700	7,960	4,430		8,320	10,400	6,300	3,890	8,270	6,760	5,580	29
30	4,190	14,600	7,680	4,340		7,860	10,400	6,590	4,130	8,340	6,750	5,560	30
31	4,280		7,540	4,660		7,280		7,430		8,380	6,840		31
MEAN	7,502	8,217	9,958	6,385	6,921	6,821	6,651	9,794	8,269	6,561	7,151	6,551	MEAN
MAX.	8,650	14,700	15,000	8,870	18,700	14,100	10,400	12,500	14,200	8,630	8,430	7,140	MAX.
MIN.	4,160	3,950	7,170	4,340	4,000	3,560	5,560	4,850	3,890	4,070	6,750	5,530	MIN
AC. FT.	461315	488965	612317	392608	384396	419444	396357	602241	492059	403458	439715	389811	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
7573.1	22700	44.03	02	13	1800	3010.0	34.29	04	01	2215	5482688

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & R M O B&M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
38 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 power plants. 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
1975	A02903	SACRAMENTO WEIR SPILL TO YOLO BYPASS (a)

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1					0	0							1
2					0	0							2
3					0	0							3
4					0	0							4
5					0	0							5
6					0	0							6
7					0	0							7
8					0	0							8
9					0	0							9
10					0	0							10
11	N	N	N	N	0	0	N	N	N	N	N	N	11
12	0	0	0	0	0	0	0	0	0	0	0	0	12
13					0	0							13
14					87	0							14
15	F	F	F	F	103	0	F	F	F	F	F	F	15
16	L	L	L	L	101	0	L	L	L	L	L	L	16
17	0	0	0	0	50	0	0	0	0	0	0	0	17
18					0	0							18
19	W	W	W	W	0	0	W	W	W	W	W	W	19
20					0	0							20
21					0	0							21
22					0	17							22
23					0	87							23
24					0	102							24
25					0	143							25
26					0	178							26
27					0	158							27
28					0	140							28
29						109							29
30						60							30
31						2.5							31
MEAN					12.2	32.1							MEAN
MAX.					103	178							MAX.
MIN.					0	0							MIN.
AC. FT.					676	1,977							AC. FT.

(a) - Leakage through needles during 1975 water year.
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
3.7	181		3	26	0830						2,653

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

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

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

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A00047	DRY CREEK AT ROSEVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	26	33	31	40	141	61	82	45	19	20	13	22	1
2	24	28	31	41	526	66	76	42	20 *	20	13	21 *	2
3	25	26	70	39	390	59	76	47	22	20	14	20	3
4	24	25	113	41	428	56	92	55	21	21	13	18	4
5	23	25	52	41	173	77	350	51	19	22	12	17	5
6	22	24	41	85	121 *	102	307	48	19	21	12	16	6
7	21	34	37 *	101	115	212	173	44	18	19	12	15	7
8	21	58	35	104	148	530	121	41	16	18	12	18	8
9	21	40	34	74	492	198	101	41	15	16	12	19	9
10	21	35	34	59	209	154	87	41	15	15	12	21	10
11	20	34	34	53	139	127 *	79	37	15	15	12	26	11
12	18	34	34	48	284	98	74	34	15	15	11	25	12
13	17	34	36	45	907	283	68	34	15	16	13	25	13
14	17	33	35	44	355	338	65	35	17	16	13	25	14
15	21	33	34	42	176	165	65	41	17	17	14	23	15
16	19	33	34	42	129	265	62	42	19	22	16	24	16
17	19	33	34	40	102	144	63	38	17	20	17	21	17
18	20	34	34	40	89	119	59	30	18	18	21	20	18
19	20	36	33	39	189 *	114	57	33	19	18	31	20	19
20	21	30	33	39	221	113	53	28	21	18	30	21	20
21	21	49	34	38	112	246	50	32	21	18	30	21	21
22	22	58	33	39	83	496	48	29 *	21	16	30	21	22
23	22	38	33	39	76	183	54	29	20	14	25	18	23
24	23	35	33	39	72	310	70	26	25	13	23	17	24
25	23	36	30	38	69	666	92	24	26	11	22	16	25
26	20	34 *	32	38	64	270	71	23	25	11	19	15	26
27	21	30	47	36	62	170	63	21	23	11	21	14	27
28	41	32	228	36	60	128	56	20	20	12	24	16	28
29	33	33	79	37		110	50	20	20	13	22	17	29
30	26	32	50	38		101	46	19	20	14	21	18 *	30
31	34		42	47		95		18		13 *	22		31
MEAN	22.8	34.6	47.1	47.8	214	195	90.3	34.5	19.3	16.5	18.1	19.7	MEAN
MAX	41.0	58.0	228	104	907	666	350	55.0	26.0	22.0	31.0	26.0	MAX.
MIN.	17.0	24.0	30.0	36.0	60.0	56.0	46.0	18.0	15.0	11.0	11.0	14.0	MIN
AC FT.	1400	2061	2896	2940	11925	12012	5375	2122	1146	1018	1115	1170	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
62.4	1180	8.33	02	13	0815	9.9	2.79	07	27	0330	45179

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	2,370	15.90	1-26-1969	APR 1966-DATE	APR 1966-DATE	1966 1969	1969	0.00 0.00	LOCAL LOCAL

Station located 1,400 feet above Douglas Street bridge. Prior to November 3, 1969, station located 100 feet above Douglas Street bridge. Tributary to Sacramento River via Linda Creek and Back Borrow Pit of Reclamation District 1000.

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

WATER YEAR	STATION NO.	STATION NAME
1975	A02100	SACRAMENTO RIVER AT SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	21,500	18,500	29,100	22,400	17,600	30,100	62,100	29,100	25,100	16,700	19,100	21,900	1
2	21,600	19,000	29,200	20,700	24,300	28,000	54,900	29,200	24,900	16,500	19,200	21,800	2
3	21,400	19,400	29,800	19,500	36,700	27,300	48,000	29,700	25,200	16,500	19,000	22,000	3
4	21,300	18,900	30,800	19,000	40,600	26,400	42,100	30,600	25,200	16,400	18,700	22,300	4
5	21,500	17,800	34,400	18,900	40,400	26,200	38,900	31,300	25,600	16,300	18,900	21,800	5
6	21,600	16,900	37,900	18,700	36,700	26,100	38,300	32,300	27,200	16,200	19,200	21,600	6
7	21,500	16,100	36,000	19,400	33,600	25,700	38,300	31,800	29,100	16,100	19,000	21,400	7
8	21,600	16,200	33,400	21,900	32,900	28,500	37,300	31,000	30,300	16,200	18,700	21,100	8
9	21,700	16,000	31,700	25,400	40,600	37,700	35,800	30,400	30,900	16,100	18,700	20,500	9
10	21,700	16,300	30,700	27,600	47,800	42,700	35,300	30,800	30,900	15,900	18,700	20,800	10
11	21,800	16,900	28,900	26,600	51,100	47,800	33,800	31,500	30,400	15,600	18,500	21,200	11
12	21,700	17,800	26,600	24,400	53,600	54,200	31,300	32,100	29,500	16,300	18,300	21,600	12
12	21,300	18,400	25,300	22,400	62,200	57,400	29,700	32,400	28,000	17,400	18,300	21,500	12
14	20,700	18,700	24,700	20,800	71,300	59,000	29,000	33,400	26,100	18,600	18,500	21,400	14
15	20,200	20,700	23,700	19,600	71,500	56,800	28,300	33,800	25,000	19,300	18,600	21,600	15
16	19,800	22,200	23,300	18,700	71,300	53,700	28,700	34,100	24,400	19,400	18,400	21,500	16
17	19,700	22,700	22,700	18,300	69,500	51,300	29,700	34,600	23,900	19,800	18,300	21,200	17
18	19,600	22,800	22,200	17,700	66,900	49,000	28,300	34,200	23,200	20,500	18,900	20,900	18
19	19,200	23,200	21,900	17,400	63,200	47,700	27,200	33,500	21,900	20,300	19,400	20,800	19
20	19,300	23,800	21,200	17,100	57,300	49,300	26,600	33,800	21,000	20,000	20,000	20,700	20
21	19,600	24,300	20,400	17,700	52,600	54,700	26,100	34,900	20,400	20,000	20,600	20,000	21
22	20,200	26,000	20,000	17,800	49,500	65,400	25,600	33,400	19,600	19,900	21,000	19,100	22
22	21,200	27,300	19,800	17,800	46,700	69,300	24,800	30,800	19,200	20,300	20,900	18,800	23
24	21,200	27,800	19,400	17,500	43,800	69,700	24,500	28,000	18,600	20,100	20,700	18,300	24
25	19,900	28,000	19,200	17,100	41,000	71,600	25,200	25,300	17,900	19,600	20,400	18,200	25
26	17,400	28,400	19,100	16,900	38,700	73,800	27,300	24,100	18,000	19,600	20,500	17,900	26
27	16,400	28,700	18,900	16,700	36,300	72,600	29,200	23,700	18,300	19,700	20,600	17,900	27
28	16,500	29,000	20,500	16,400	32,800	71,900	29,700	24,100	17,700	19,400	20,500	17,800	28
29	17,200	29,200	22,800	16,300		70,400	29,800	24,800	16,900	19,500	20,600	17,900	29
30	17,400	29,100	26,400	15,800		68,600	29,400	24,700	16,900	19,400	20,800	17,900	30
21	18,000		25,000	15,900		66,300		24,800		19,200	21,400		21
MEAN	20,120	22,000	25,650	19,430	47,520	50,940	33,170	30,260	23,710	18,280	19,500	20,380	MEAN
MAX.	21,800	29,200	37,900	27,600	71,500	73,800	62,100	34,900	30,900	20,500	21,400	22,300	MAX.
MIN.	16,400	16,000	18,900	15,800	17,600	25,700	24,500	23,700	16,900	15,600	18,300	17,800	MIN.
AC. FT.	1,237,000	1,309,000	1,577,000	1,195,000	2,639,000	3,132,000	1,974,000	1,861,000	1,411,000	1,124,000	1,199,000	1,213,000	AC. FT.

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

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
27,450	74,400	21.85	3	26	0830						19,870,000

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 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. Records furnished by U. S. Geological Survey. Drainage Area is 23,530 square miles.

[o] - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	481810	MIDDLE CREEK NEAR UPPER LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	1.3	0.5	11	100	73	142	60	9.3	0.6	0.0	0.0	1
2	0.4	1.2	0.6	8.9	207	104	124	56	8.4	0.7	0.0	0.0	2
3	1.0	1.2	0.7	7.8	155	82	116	55	7.5	0.7	0.0	0.0	3
4	0.9	1.1	0.6	8.8	311	73 •	117	52	7.1	0.7	0.0	0.3	4
5	1.0	1.1	0.5•	11	154	71	112	49	6.1	0.6	0.0	0.2	5
6	1.1	1.1	0.5	249	281	72	107	46	4.5	0.6	0.0	0.2	6
7	1.1	1.2	0.5	142	566	352	102	44	4.1	0.7	0.0	0.1	7
8	1.2	1.1	0.5	418	918	650	97	41	3.8	0.7	0.0	0.4	8
9	1.2	1.0	0.6	172	1,380	424	87	39	3.6	0.5	0.0	0.4	9
10	1.3	1.0	0.6	111	892	356	81	37	2.9	0.7	0.0	0.0	10
11	0.9	1.0	0.6	79	455	270	77	36	2.3	0.5	0.0	0.0	11
12	0.5	0.9	0.7	59	1,140	185 •	73	34	2.1	0.5	0.0	0.2	12
13	0.3	0.9	0.7	48	1,560 •	162	69	33	2.2	0.3	0.0	0.3	13
14	0.2	0.9	0.7	40	666 •	140	66	32	2.1	0.2	0.0	0.4	14
15	0.2	0.9	0.7	34	398	145	62	30	1.9	0.2	0.0	0.3	15
16	0.4•	0.8	0.8	28	291	180	60	29	2.0	0.3	0.0	0.1	16
17	0.9	0.8	0.8	24	211	486	56	27	2.0	0.1	0.0	0.0	17
18	1.0	0.8	0.9	21	134	1,350	52	25	2.0	0.1	0.0	0.0	18
19	1.2	0.7	0.9	18	507	1,270 •	49	24	1.7•	0.1	0.0	0.0	19
20	1.3	0.7	1.0	16	465	632	48	23	2.0	0.1	0.0	0.0	20
21	1.3	0.7	1.0	14	318	1,120	46	22	2.2	0.0	0.0	0.0	21
22	1.3	0.7	1.0	12	209	1,090	43	21	2.4	0.0	0.0	0.0	22
23	1.3	0.6	1.1	10 •	144	743	46 •	20	2.3	0.0	0.0	0.0	23
24	1.3	0.7	1.2	10	122	1,110	171	19	2.2	0.0	0.0	0.0	24
25	1.3	0.6	1.2	9.7	100	1,880	138	18	2.1	0.0	0.0	0.0	25
26	1.2	0.6	1.3	9.5	85	841	99	16	2.1	0.0	0.0	0.0	26
27	1.5	0.6	89	8.6	79	526	83	15 •	2.0	0.0	0.0	0.0	27
28	1.6	0.6	70	7.9	74	383	75	14	1.5	0.0	0.0	0.0	28
29	1.3	0.5	28	7.5•		299	70	13	1.0	0.0	0.0	0.0	29
30	1.3	0.5	19	6.5		246	65	12	0.9	0.0	0.0	0.0	30
31	1.3		14	9.4		181		11		0.0	0.0		31
MEAN	1.0	0.9	7.7	52.0	428	499	84.4	30.7	3.2	0.3	0.0	0.1	MEAN
MAX.	1.6	1.3	89.0	418	1,580	1,880	171	60.0	9.3	0.7	0.0	0.4	MAX.
MIN.	0.0	0.5	0.5	6.5	74.0	71.0	43.0	11.0	0.9	0.0	0.0	0.0	MIN.
AC FT	61	51	476	3197	23806	30736	5024	1890	191	18		6	AC FT

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

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT	MO	DAY	TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT	MO	DAY	TIME	TOTAL ACRE FEET
90.4	2930	10.97	03	25	0245	0.0	4.55	10	01	0000	65456

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	6,800 E	14.75	12-22-64	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 Ranchers Road Bridge, 1.3 mi. N of Upper Lake. Tributary to Clear Lake. Flow affected by upstream diversion. Drainage area is 48.5 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	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	12	490	55	138	37	5.5	0.0	0.0	0.0	1
2	0.0	0.0	0.0	9.8	792	104	117	34	5.2	0.0	0.0	0.0	2
3	0.0	0.0	21	8.5	432	72	108	35	4.5	0.0	0.0	0.0	3
4	0.0	0.0	17	8.3	686	62 *	109	32	3.4	0.0	0.0	0.0	4
5	0.0	0.0	0.1*	7.8	314	64	100	28	2.4	0.0	0.0	0.0	5
6	0.0	0.0	0.0	239	503	96	87	27	1.5	0.0	0.0	0.0	6
7	0.0	0.0	0.0	103	719	950	85	26	1.1	0.0	0.0	0.0	7
8	0.0	0.0	0.0	220	982	925	77	24	0.6	0.0	0.0	0.0	8
9	0.0	0.0	0.0	124	1,370	516	70	23	0.4	0.0	0.0	0.0	9
10	0.0	0.0	0.0*	66	904	376	64	21	0.3	0.0	0.0	0.0	10
11	0.0	0.0	0.0	57	391	266	60	21	0.1	0.0	0.0	0.0	11
12	0.0	0.0	0.0	52	975	196 *	55	20	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	45	1,390 *	171	52	19	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	39	559 *	156	50	18	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	34	336	184	45	18	0.0	0.0	0.0	0.0	15
16	0.0*	0.0	0.0	27	225	412	44	17	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	23	160	653	39	16	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	19	123	1,400	36	15	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	16	263	1,260 *	35	14	0.0*	0.0	0.0	0.0	19
20	0.0	0.0	0.0	14	274	638	34	14	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	12	191	1,370	32	13	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	9.2	151	1,600	29	13	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	7.7	119	939	32 *	13	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	7.4	96	887	85	12	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	7.1	79	1,380	82	11	0.0*	0.0	0.0	0.0	25
26	0.0	0.0	0.0	7.1	69	681	60	9.7	0.0	0.0	0.0	0.0	26
27	0.0	0.0	74	6.8	61	443	51	8.9*	0.0	0.0	0.0	0.0	27
28	0.0	0.0	112	6.5	56	319	46	8.3	0.0	0.0	0.0	0.0	28
29	0.0	0.0	40	5.7		246	42	7.7	0.0	0.0	0.0	0.0	29
30	0.0	0.0	23	4.9		196	42	6.8	0.0	0.0	0.0	0.0	30
31	0.0		16	11		166		6.1		0.0	0.0		31
MEAN	0.0	0.0	9.8	39.0	453	543	63.5	18.3	0.8	0.0	0.0	0.0	MEAN
MAX	0.0	0.0	112	239	1,390	1,600	138	37.0	5.5	0.0	0.0	0.0	MAX.
MIN	0.0	0.0	0.0	4.9	56.0	55.0	29.0	6.1	0.0	0.0	0.0	0.0	MIN.
AC FT.			601	2400	25210	33408	3780	1128	50				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
92.0	2900	11.19	03	21	1815	0.0	1.50	10	01	0000	66576

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 05 44	122 57 38	NW3 14N 10W	11,100	13.38	1-16-74	MAR 68-DATE	MAR 68-DATE	1968		0.00	LOCAL

Station located at Eickhoff Road bridge, 4.2 mi. NW of Lakeport. Prior to October 1, 1968, gage at site 3.0 mi. upstream. Tributary to Clear Lake via Middle Creek. Flow affected by upstream diversion. Drainage area is 55.2 sq. mi.

*

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

WATER YEAR	STATION NO.	STATION NAME
1975	A81940	CLOVER CREEK BYPASS NEAR UPPER LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2					151								2
3					205								3
4					350								4
5					326								5
6					373								6
7					573	335							7
8					761	409							8
9					1070	263							9
10					1030	194							10
11					599	123							11
12					394								12
13					507								13
14					232 *								14
15					105								15
16													16
17						257							17
18						560							18
19					196	527 *							19
20					183	288							20
21						439							21
22						451							22
23						321							23
24						404							24
25						582							25
26						343							26
27						197							27
28						101							28
29													29
30													30
31													31
MEAN													MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.													AC. FT.

FLOWS OF LESS THAN 100 DAILY MEAN CFS NOT PUBLISHED

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

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

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A81250	BEAR CREEK NEAR RUMSEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.5	2.9	2.8	7.4	275	33	87	26	7.2	3.4	2.3	1.9	1
2	1.5	2.5	3.7	6.7	486	39	81	25	7.7	4.0	2.3	1.9	2
3	1.5	2.3	10	6.0	142	34	80	25	7.1	4.2	2.2	1.9*	3
4	1.7	2.2	23	5.7	201	31	85	26	5.9	4.2	2.1	2.0	4
5	1.6	2.3	21	5.6	91	36	79	26	5.7	4.2	2.0	1.8	5
6	1.5	2.4	8.5*	11	60	82	99	25	5.5	3.9	2.0	1.6	6
7	1.5	2.5	5.7	18	275	824	77	23	4.9	3.9	1.9	1.4	7
8	1.6	2.8	4.7	20	535	405	72	22	4.8	3.3	1.8	1.4	8
9	1.7	2.6	4.3	20	1,000	163	67	21	4.2	3.1	1.8	1.5	9
10	1.8	2.5	4.1	14	601	150	58	21	4.3	3.1	1.8	1.7	10
11	1.7	2.5	4.1	11	148	114 *	54	20	3.9	2.9	1.9	1.9	11
12	1.5	2.5	4.5	8.9	766	83	48	18	3.9	2.9	1.9	1.8	12
13	1.4	2.5	4.7	7.7	893 *	80	46	17 *	3.9	3.0	1.7	1.5	13
14	1.4	2.5	4.3	7.1	210	107	45	16	3.5	3.0	1.7	1.4	14
15	1.5	2.5	4.2	6.9	114	120	43	16 *	3.4	3.7	1.7	1.3	15
16	1.5	2.5	4.2	6.6*	91	307	46	16	3.5	4.6	1.6	1.4	16
17	1.6	2.6	4.1	6.2	72	265	43	14	3.6	4.5	1.7	1.4	17
18	1.6*	2.7	4.0	6.0	63	921	40	13	3.5	4.3	1.8	1.4	18
19	1.6	2.8	3.9	5.7	71	326	38	12	3.8	4.8	2.4	1.3	19
20	1.7	2.6	3.9	5.3	73	192	36	12	4.4	4.3	2.8*	1.3	20
21	1.6	3.1	3.9	5.2	53	1,460	35	12	3.9	3.8*	2.2	1.3	21
22	1.5	3.2	3.9	5.0	46	697	33	11	3.6	3.5	2.0	1.3	22
23	1.6	2.7	3.9	4.8	42	301	32	11	3.6	3.3	1.8	1.3	23
24	1.7	2.7	3.7	4.8	40	269	37	10	3.4	2.9	1.8	1.3	24
25	1.8	3.0	3.7	4.8	39	389	45	9.2	3.7*	2.8	1.7	1.2	25
26	1.8	3.1	3.8	4.8	36	202	38	8.9	3.7	2.6	1.7	1.2	26
27	2.1	2.9	4.7	4.5	35	164	32	8.5	3.3	2.5	2.1	1.2	27
28	3.0	2.9	30	4.3	33	135	29	7.9	3.0	2.5	2.0	1.2	28
29	3.2	2.8	24	4.3		118	28	7.5	2.8	2.4	2.0	1.2	29
30	2.4	2.8	13	4.3		109	28	8.0	2.6	2.4	1.8	1.3	30
31	2.7		9.1	7.3		98		7.7		2.4	1.9		31
MEAN	1.8	2.7	7.6	7.7	234	266	52.0	16.0	4.3	3.4	1.9	1.5	MEAN
MAX.	3.6	3.2	30.0	20.0	1,000	1,460	99.0	26.0	7.7	4.8	2.8	2.0	MAX.
MIN.	1.4	2.2	2.8	4.3	33.0	31.0	28.0	7.5	2.6	2.4	1.6	1.2	MIN.
AC FT.	110	158	467	476	13043	16372	3096	983	254	211	120	88	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
48.9	5340	9.36	03	21	1800	1.1	1.05	09	26	0200	35379

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 47	122 20 48	SW 30 13N 4W	9,270	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
1975	A81200	CACHE CREEK ABOVE RUMSEY

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

DATA INSUFFICIENT TO COMPUTE DISCHARGE

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

WATER YEAR SUMMARY

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

Station located 0.4 mile below State Highway 16 bridge, 2.5 miles northwest of Rumsey. Flow regulated by Clear Lake. Drainage area is 955 square miles. Station discontinued July 3, 1975.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A95010	POPE CREEK NEAR POPE VALLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	6.2	7.8	5.7	11	209	32	101	26	4.6	2.4	1.5	0.8	1
2	5.7*	5.0	7.9	9.0	602	53	88	23	6.2	2.6	1.3	0.8	2
3	6.0	3.4	21	8.0	281	41	87	21	7.5	2.6	1.2	0.8*	3
4	6.8	1.9	4[illegible]	7.4	481	34	99	20	5.7	2.6	1.0	0.8	4
5	7.0	1.9	15 *	7.0	220	38	106	19	5.3	2.7	0.9	0.7	5
6	6.8	1.5	1[illegible]	101	178	39	118	20	5.6	2.6	0.9	0.7	6
7	7.5	1.8	6.8	58	544	735	99	18	6.3	2.5	0.8	0.8	7
8	8.2	2.2	7.3	141	916	1,010	78	18	6.1	2.4	0.8	0.8	8
9	6.2	1.7	6.6	44	1,340	332	72	17	5.4	2.1	0.7	0.9	9
10	7.6	1.8	6.0	26	834	323	64	15	5.0	2.0	0.7	1.2	10
11	7.5	1.6	5.4	18	266 *	206	58	14	4.3	2.0	0.7	1.1	11
12	7.2	1.6	5.2	13	1,790	143	51	14	4.3	2.0	0.6	1.0	12
13	7.9	1.5	4.9	10	2,400 *	123	47	12	4.2	1.9	0.7	1.0	13
14	6.6	1.5	4.5	7.9	469	124	44	11	3.7	1.9	0.7	0.9	14
15	7.9	1.6	4.3	6.4	241	177	41	12 *	3.7	2.4	0.7	0.8	15
16	8.9	1.8	4.1	5.7*	163	320	43	13	4.1	3.0	0.9	0.7	16
17	9.2	2.0	4.1	4.4	121	437	42	11	4.5	3.0	1.0	0.8	17
18	8.6	2.6	4.1	4.1	92	1,270	39	11	5.2	2.7	0.9	0.8	18
19	8.2	2.6	4.1	3.6	144	865	35	10	5.4	2.4	0.9	0.8	19
20	8.0	2.8	4.1	3.1	148	402	33	9.4	5.1	2.2	1.0*	0.8	20
21	7.7	5.0	3.9	2.8*	91	1,990	31	9.1	3.7	1.9*	0.8	0.8	21
22	7.5	12	3.7	2.4	70	1,030	29	8.6	3.1	1.7	0.7	1.1	22
23	7.5	8.8	3.6	2.4	58	442	30	8.6	3.0	1.6	0.6	1.0	23
24	8.1	5.7	3.6	2.2	51	485 *	89	8.7	3.3	1.6	0.6	0.8	24
25	8.4	6.0	3.6	2.2	47	973	81	7.8	3.0	1.6	0.6	0.9	25
26	9.0	5.0	3.6	2.0	40	382	45	7.7	2.9*	1.5	0.7	2.3	26
27	9.9	4.4	66	2.0	37	266	41	7.5	2.7	1.3	0.7	5.0	27
28	14	4.1	182	2.0	34	205	37	7.0	2.8	1.3	0.8	3.6	28
29	11	3.8	37	2.0		168	30	6.3	2.5	1.6	0.7	2.8	29
30	10	3.6	2[illegible]	5.0		147	27	6.3	2.3	1.6	0.7	2.5	30
31	10		14	42		119		5.5		1.6	0.8		31
MEAN	8.2	3.6	16.6	17.9	423	416	59.5	12.8	4.4	2.1	0.8	1.3	MEAN
MAX.	14.0	12.0	182	141	2,400	1,990	118	26.0	7.5	3.0	1.5	5.0	MAX.
MIN	5.7	1.5	3.6	2.0	34.0	32.0	27.0	5.5	2.3	1.3	0.6	0.7	MIN.
AC. FT.	506	212	1020	1102	23538	25595	3540	788	261	130	51	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
74.5	7360	13.65	03	21	1630	0.6	2.68	08	12	0030	54817

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
1975	409115	PUTAH CREEK, SOUTH FORK, NEAR DAVIS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	18	6.2	13	19	96	18	1,020	64	26	10	2.2	5.4	1
2	16	5.3	14	19	738	20	958	54	24 *	16	2.2	5.5	2
3	13	7.2	25	19	196	24	880	47	35	15	2.4	3.1	3
4	11	8.9	19	19	215	26	879	47	34	11	3.3	1.8	4
5	9.5	6.7	15	18	224	28	860	6[illegible]	29	10	5.0	1.4	5
6	9.1	5.2	14	19	146 *	34	793	49	30	12	7.3	1.3	6
7	13	7.3	14	20	58	49	723	43	29	9.1	7.3*	2.3	7
8	10	8.9	14	19	136	1,040	730	46	26	7.3	2.8	2.7	8
9	8.2	7.0	15	20	291	249	776	52	24	14	1.6	3.3	9
10	10	5.8	15	21	350	165	766	55	21	16	1.2	1.3	10
11	11	6.2	15	21	192	109	528	40	17	16	2.2	1.4	11
12	9.5	9.0	15	21	127	55	472	33	12	14	4.0	1.4	12
13	9.3	11	15	21	1,210	37	362	38	16	8.5	5.4	1.2	13
14	7.4	11	15	23	263	38	306	34	17	4.8	7.0	1.2	14
15	10	8.0	15	23	164	37	307	32	14	7.0	11	3.0	15
16	11	7.4	15	22	52	136	280	36	14	14	12	3.6	16
17	9.9	8.0	15	22	23	123	201 *	37	14	11	9.9	3.7	17
18	9.0	8.9	15	21	27	37	255	30	17	7.8	11	4.1	18
19	9.3	8.1	15	21	49	291 *	225	32 *	17	11	11	5.8	19
20	9.1	7.4	15	21	31	2,330	218	34	19	11	9.8	4.5	20
21	8.4	11	15	21	19	2,640	220	48	15	8.8	8.9	2.6	21
22	6.2	12	15	21	16	4,530	122	48	20	13	6.5	2.2	22
23	4.5	8.9	15	21	17	4,260	64	38	18	12	5.3	2.4	23
24	3.4	10	15	21	17	4,080	71	32	16	9.2	6.1	2.9	24
25	3.1	12	15	21	18	4,170	68	36	16	5.2	7.2	2.6	25
26	2.9	12 *	15	21	17	4,050	125	36	14	3.4	8.6	2.1	26
27	3.0	12	21	20	17	3,260	85	3[illegible]	16	3.4	9.6	1.6	27
28	3.4	12	40	21	18	1,450	69	26	20	5.0	10	1.4	28
29	8.0	12	38	21		1,370	56	23	14	3.3	8.1	1.7	29
30	6.5	13	40	22		1,260	57	2[illegible]	11	2.7	5.6	2.8	30
31	6.9		21	32		1,130		25		2.4	3.9		31
MEAN	8.9	8.9	18.1	21.0	188	1,195	416	39.7	19.8	9.5	6.4	2.7	MEAN
MAX	18.0	13.0	40.0	32.0	1,210	4,530	1,020	6[illegible].0	35.0	16.0	12.0	5.8	MAX
MIN	2.9	5.2	13.0	18.0	16.0	18.0	56.0	2[illegible].0	11.0	2.4	1.2	1.2	MIN
AC. FT.	545	532	1111	1291	9376	73480	24785	2440	1180	584	394	159	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
160.1	5460	13.26	03	22	0130	0.9	2.56	09	14	0500	115876

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

Station located at low water bridge, 0.5 mile below Interstate 80 bridge, 2.3 miles southwest of Davis. Tributary to Yolo Bypass. Treatment plant at the University of California at Davis discharges into the channel 100 feet upstream from gage. There is little or no flow 1,000 feet upstream from station during periods of heavy upstream diversion.

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

WATER YEAR	STATION NO.	STATION NAME
1975	A02935	YOLO BYPASS NEAR WOODLAND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	19	5.2	5.2	144	67	414	3,460	76	1.0	3.0	1.8	1.0	1
2	14	5.2	5.5	107	274	307	3,080	31	1.0	3.0	1.6	1.0	2
3	23	5.2	20	67	1,230	242	3,030	5.8	.9	3.0	1.6	1.0	3
4	31	5.2	60	27	1,880	222	2,990	4.7	3.2	2.9	1.6	1.0	4
5	35	5.2	240	9.7	2,010	216	2,960	5.8	2.4	2.9	1.4	1.0	5
6	29	5.1	482	6.2	1,640	216	2,870	7.5	7.0	2.9	1.4	1.0	6
7	21	5.1	642	7.2	1,180	232	2,900	7.0	60	19	1.4	1.0	7
8	16	5.1	488	5.3	1,210	1,310	2,960	6.6	43	3.2	1.2	1.0	8
9	13	5.1	258	6.2	2,380	2,950	2,900	5.1	36	2.5	1.2	1.0	9
10	11	5.1	180	3.2	2,900	2,590	2,550	2.4	24	2.7	1.2	1.0	10
11	11	5.1	130	3.4	3,720	2,580	1,580	23	3.1	3.5	1.0	12	11
12	9.5	5.1	96	3.4	3,130	3,130	1,090	82	3.1	2.9	1.0	21	12
13	8.8	5.1	70	3.4	3,990	3,160	825	272	3.2	2.4	0.1	134	13
14	8.8	5.1	52	2.7	8,470	3,040	642	354	3.2	2.5	0.1	196	14
15	8.6	5.1	37	2.0	18,000	2,770	530	416	3.3	2.6	0.1	191	15
16	9.5	5.1	28	1.7	22,100	2,260	380	499	3.3	2.7	1.0	191	16
17	9.1	5.1	21	1.4	14,300	2,140	336	642	3.4	3.2	1.0	193	17
18	6.2	5.2	14	1.2	6,060	2,220	439	728	3.4	2.7	1.0	179	18
19	5.4	5.2	13	1.2	2,880	3,900	939	723	3.5	2.4	1.0	176	19
20	5.0	5.2	12	3.0	1,920	3,970	1,030	819	3.5	2.0	1.1	193	20
21	5.0	5.2	9.7	1.1	1,590	5,310	531	993	3.6	2.3	1.1	191	21
22	5.0	20	11	2.5	1,250	9,520	211	957	3.6	2.4	1.1	200	22
23	5.0	15	10	7.2	1,020	24,100	196	645	3.7	2.6	1.2	191	23
24	5.0	10	6.2	12	1,090	28,200	151	267	3.7	3.4	1.4	176	24
25	5.0	6.6	5.3	12	644	30,800	132	36	3.8	3.2	1.2	179	25
26	5.1	5.0	4.9	10	550	32,000	77	1.2	3.8	3.0	1.0	183	26
27	5.2	5.0	7.2	12	502	28,200	56	2.4	3.4	2.7	1.0	174	27
28	5.4	5.0	38	2.5	468	24,400	54	2.9	3.2	2.4	1.0	158	28
29	7.6	5.0	117	19		17,500	53	1.7	3.0	2.2	1.0	142	29
30	9.8	5.0	145	32		10,300	44	1.0	3.0	2.0	1.0	101	30
31	5.2		169	22		5,410		1.0		1.8	1.0		31
MEAN	11.5	6.1	109	17.4	3,802	8,181	1,300	246	8.2	3.2	1.1	106	MEAN
MAX.	35	20	642	144	22,100	32,000	3,460	993	60	19	1.8	200	MAX.
MIN.	5.0	5.0	4.9	1.1	67	216	44	1.0	0.9	1.8	0.1	1.0	MIN.
AC. FT.	709	366	6,700	1,070	211,200	503,000	77,350	15,110	489	198	67	6,330	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
1,136	36,500	25.70	3	25	1530						822,600

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1.4 SEC T & R M D B &M	CFS	GAGE HT	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
38 40 40	121 38 35	SE 28 10N 3E	272,000	32.00	2-8-1942	MAR 30-OCT 38 ö JAN 1939-DATE	1940-1941# 1941-DATE	1930 1941 1941	1941	0.73 0.00 -3.41	USED USED USCGS

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

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

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

WATER YEAR	STATION NO.	STATION NAME
1975	807020	SAN JOAQUIN RIVER NEAR VERNALIS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3,760	4,710	3,860	3,580	4,290	3,830	6,420	2,510	4,980	2,030	1,430	1,930	1
2	3,830	4,830	4,000	3,480	4,250	3,750	5,800	2,360	5,860	1,930	1,400	1,790 *	2
3	3,560	5,140	4,200	2,850	3,540 *	3,850	5,060	2,330	6,550	1,860	1,430	1,770	3
4	3,400	5,240	4,650	3,680	3,610	3,580	4,450	3,090	7,350	1,930	1,450	1,710	4
5	3,330	5,180	4,640 *	3,890	4,790	3,750	4,100	3,660	7,570	1,970	1,420	1,890	5
6	3,120	4,580	4,740	3,550	6,080	3,930	3,990	3,690	7,070	2,040	1,350	2,130	6
7	2,990	3,860	5,010	2,920	6,910	4,270	4,140	3,910	7,350	2,030	1,400	2,380	7
8	2,970	3,680	5,070	3,770	7,250	4,640	4,320	4,060	7,560	1,910	1,440	2,500	8
9	2,920 *	3,670	5,030	3,880 *	7,200	4,860	4,880	4,000	7,880	2,020	1,470	2,460	9
10	2,770	3,660	4,940	3,940	6,870	5,000	5,110	3,960	8,100	1,980	1,490	2,340	10
11	2,600	3,610	4,890	4,050	6,950	5,060	5,100	3,670	8,000	1,740	1,550	2,470	11
12	2,860	3,600 *	4,860	4,060	7,140	5,610	4,960	3,570	7,510	1,680	1,520	2,570	12
13	3,040	3,610	4,840	3,590	7,110	5,800	4,740	3,440	6,030	1,680	1,440	2,770	13
14	3,040	3,640	4,830	2,950	7,800	5,730	4,560	3,690	6,120	1,630	1,400	2,800	14
15	2,940	3,590	4,840	3,740	8,820	6,350	4,240	3,840	7,160	1,560	1,350	2,800	15
16	2,690	3,620	4,840	4,020	8,670	6,300	3,880	3,970	7,740	1,550	1,340	2,910	16
17	3,020	3,680	4,730	4,120	7,950	6,230	3,470	4,070	7,840	1,650	1,480	2,810	17
18	3,220	3,670	4,350	4,160	7,120	6,380	3,340	4,240	8,040	1,670	1,850	2,760	18
19	3,140	3,670	4,130	4,080	6,710	6,070	3,220	4,340	7,810	1,760	2,270	2,790	19
20	3,060	3,660	4,010	3,610	6,830	6,330	3,240	4,350	6,600	1,780	2,420	2,940	20
21	3,080	3,480	3,940	2,990	6,610	6,590	3,310	4,550	4,380	1,760	2,300	2,980	21
22	3,140	3,400	3,690	3,940	6,300	6,620	3,190	4,650	3,480	1,620	2,230	2,980	22
23	3,560	3,340	3,130	4,230	6,010	7,070	3,070	4,550	3,130	1,460	2,220	2,950	23
24	4,120	3,340	2,870	4,350	5,410	7,040	2,970	4,470	2,860	1,470	2,200	3,010	24
25	4,380	3,500	3,080	4,340	5,030	6,530	2,890	4,530	2,700	1,630	2,090	3,060	25
26	4,560	3,600	3,250	4,140	5,460	6,930	2,900	4,580	2,440	1,490	1,760	3,210	26
27	4,570	3,740	2,890	3,550	4,990	7,010	2,950	4,540	2,330	1,550	1,710	3,250	27
28	4,530	3,830	3,560	3,000	4,240	6,740	2,970	4,590	2,290	1,500	1,710	3,250	28
29	4,620	3,830	3,740	3,880		6,630	2,810	4,580	2,260	1,440	1,640	3,210	29
30	4,770	3,760	3,470	4,150		6,820	2,630	4,630	2,240	1,460	1,620	3,150	30
31	4,820		2,930	4,270		6,920		4,700		1,490	1,740		31
MEAN	3,497	3,891	4,162	3,766	6,212	5,685	3,957	3,972	5,708	1,718	1,680	2,652	MEAN
MAX.	4,820	5,240	5,070	4,350	8,820	7,070	6,420	4,700	8,100	2,040	2,420	3,250	MAX.
MIN.	2,600	3,340	2,870	2,850	3,610	3,580	2,630	2,330	2,240	1,440	1,340	1,710	MIN.
AC. FT.	215,000	231,500	255,900	231,600	345,000	349,500	235,500	244,200	339,600	105,700	103,300	157,800	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
3,888	9,080	18.60	2	15	1845	1,340	10.24	8	16	1815	2,815,000

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R M D B &M	CFS	GAGE HT	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 40 34	121 15 55	NW 13 3S 6E	79,000	32.81	12-9-1950	JUL 22-DEC 23 8	JUL 22-DEC 23 8	1931	1959	5.06	USCGS
						JAN 24-FEB 25	JAN 24-FEB 25	1959		0.00	USCGS
						JUN 25-OCT 28 8	JUN 25-OCT 28 8	1959		3.3	USED
						MAY 29-DATE	MAY 29-DATE				

Station located on left bank 12 feet downstream from Durham Ferry highway bridge, 2.6 miles downstream from Stanislaus River, and 3.2 miles northeast of Vernalis. Maximum discharge listed at site then in use and present datum. Records furnished by U. S. Geological Survey. Drainage area is 13,540 square miles.

8 - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	802805	FRENCH CAMP SLOUGH NEAR FRENCH CAMP

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	114	66	1.4	1.1	3.2	25	110	63	74	75	34	38	1
2	110	40	4.6	0.9	9.2	24	100	62	65	65	55	59	2
3	117	22	60	0.6	16	22	98	51	53	57	65	59	3
4	138	15	210 *	1.0	16	27	97	65	59	55	59	48	4
5	96	10	95	0.7	85	45	107	62	67 *	55	40	85	5
6	109	7.4	43	3.0	138	51	110	62	62	59	31	86	6
7	154	6.8	33	4.7	106	44	116	70	92	81	25	94	7
8	130	6.2	26	4.6	187	359	145	58	92	85	39	104	8
9	120	4.6	21	5.5	286	507	125	51	77	84	52	117	9
10	117	3.3	20	3.4	495	588	108	56	72	68	38	131	10
11	110	2.5	17	4.4	507	524	92	54	61	70	53	134	11
12	101	1.1	15	3.2	538	231	84	59	33	54	50 *	154	12
13	87	0.8	11	5.7 *	644	157	93	50	41	65	51	160	13
14	90	0.8	8.2	14	1,070	782	67	67	69	54	67	160	14
15	86 *	1.0	6.5	12	611	644	46	7[illegible] *	72	70	74	160	15
16	77	3.4	5.2	11	430	493	85	84	75	65	69	141	16
17	61	1.5	5.4	8.2	346	702	83	79	79	99	104	154	17
18	74	0.1	4.4	6.9	136	1,070 *	109	81	109	88	92	129 *	18
19	81	0.1	2.9	4.6	69	388 *	86	96	96	91	94	117	19
20	74	0.1	2.0	6.5	77	194	84	63	101	79	84	115	20
21	69	0.1	2.0	19	78	147	77	86	101	46 *	50	120	21
22	61	7.2	3.2	17	82	758	57	88	102	35	39	107	22
23	63	22	2.0	13	61	1,480	80 *	74	84	29	33	107	23
24	80	9.7	1.7	8.5	47	853	96	59	86	48	51	125	24
25	80	5.9	2.0	7.0	39	793 *	107	91	84	55	59	112	25
26	80	3.4	1.5	5.3	34	1,530	124	95	96	38	43	120	26
27	58	3.0	1.2	4.9	31	722	99	104	99	53	57	117	27
28	28	3.3	1.0	4.1	27	408	90	122	104	43	48	124	28
29	58	2.8	1.1	2.8		278	69	107	63	45	50	125	29
30	37	1.7	1.3	2.6		194	63	85	53	51	55	107	30
31	28		1.1	2.2		144		74		59	63		31
MEAN	86.7	8.4	19.7	6.1	221	457	93.6	74.0	77.4	62.0	56.3	113	MEAN
MAX	154	66.0	210	19.0	1,070	1,530	145	122	109	99.0	104	160	MAX.
MIN	28.0	0.1	1.0	0.6	3.2	22.0	48.0	50.0	33.0	29.0	25.0	38.0	MIN.
AC FT	5332	499	1209	374	12275	28134	5572	4552	4604	3810	3459	6762	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
105.8	1680	8.49	03	26	0445	0.0	2.82	11	18	2330	76580

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

Station located 125 feet below Airport Way bridge, 1.5 miles east of French Camp. Prior to November 1968, station was located on 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
1975	H02A35	DUCK CREEK NEAR STOCKTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	8.8	2.4	0.0	0.0	0.2	0.1	0.9	3.1	11	11	14	17	1
2	9.2*	2.2	0.0	0.0*	2.3	0.0	0.6	3.2	9.5	9.9	12	15	2
3	12	2.6	19 *	0.0	2.6	0.0	0.4	4.7	9.9	8.9	11	15	3
4	9.7	1.0	17	0.0	0.8	0.0	0.3	3.3	9.9	10	9.7	15	4
5	6.6	1.1	8.6	0.0	4.4	0.4	0.6	5.9	10 *	9.5	9.6	15	5
6	4.4	0.6	14	0.1	16	0.2	0.2	4.2	11	8.8	11	14	6
7	1.3	0.3	9.2	0.1	13	0.3	0.0	8.2	12	8.9	13	14	7
8	2.4	0.1	4.6	0.3	43	90	0.0	11	12	10	16	16	8
9	2.8	0.0	2.0	0.1	85	95	0.0	14	9.6	9.3	18	15	9
10	3.9	0.0	1.2	0.0	111	38	0.0	12	11	9.4	18	14	10
11	3.7	0.0	0.7	0.0	73	28	0.0	9.1	11	8.3	15	15	11
12	7.4	0.0	0.3	0.0	23	20	0.0	5.9	15	9.7	16 *	17	12
13	6.3	0.0	0.2	0.0*	155	15	0.0	4.6	14	12	17	18	13
14	6.8	0.0	0.1	0.0	146	210	0.0	9.8	10	13	17	18	14
15	4.0	0.0	0.0	0.0	33	48	0.0	13	11	14	19	19	15
16	5.8	0.0	0.0	0.0	13	85	0.0	11	10	15	18	18	16
17	7.6	0.0	0.0	0.0	7.1	58	0.0	12	9.4	16	16	13	17
18	7.8	0.0	0.0	0.0	5.4	19	0.0	13	7.9	18	17	13 *	18
19	8.5	0.0	0.0	0.0	5.0	9.3	0.0	13	8.5	14	12	12	19
20	9.0	0.0	0.0	0.0	4.0	6.0	0.3	13	9.8	15	6.8	12	20
21	4.1	0.0	0.0	0.0	1.9	5.4	0.9	12	12	15 *	6.3	13	21
22	4.4	0.0	0.0	0.0	1.4	139	0.7	11	12	14	7.7	12	22
23	5.0	0.0	0.0	0.0	1.0	69	1.1*	9.9	10	13	9.4	9.0	23
24	4.3	0.0	0.0	0.0	0.6	26	1.1	11	7.4	12	10	8.4	24
25	4.7	0.0	0.0	0.0	0.5	27	1.4	11	6.7	10	10	8.4	25
26	4.2	0.0	0.0	0.0	0.4	64	1.8	13	7.6	9.7	9.2	10	26
27	0.5	0.0	0.0	0.0	0.3	20	1.9	15	7.2	9.8	10	13	27
28	6.4	0.0	0.0	0.0	0.2	11	3.2	13	8.6	10	15	11	28
29	3.9	0.0	0.0	0.0		4.8	4.3	14	11	11	17	9.8	29
30	3.0	0.0	0.0	0.0		2.4	2.9	12	9.8	15	16	7.4	30
31	3.4		0.0	0.0		2.3		13		17	16		31
MEAN	5.7	0.3	2.5	0.0	26.8	35.3	0.8	10.0	10.2	11.8	13.3	13.6	MEAN
MAX.	12.0	2.6	19.0	0.3	155	210	4.3	15.0	15.0	18.0	19.0	19.0	MAX.
MIN.	1.3	0.0	0.0	0.0	0.2	0.0	0.0	3.1	6.7	8.3	6.3	7.4	MIN
AC. FT.	353	20	153	1	1486	2168	45	613	605	728	819	807	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
10.8	454	5.35	03	14	0400	0.0	1.77	11	09	2330	7797

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	782	6.51	1-16-1973	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-OCT 70	OCT 51-OCT 70	1957	1965	0.00	LOCAL
						OCT 71-DATE	OCT 71-DATE	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.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	802520	CALAVERAS RIVER NEAR STOCKTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	7.0	1.0	14	0.1				NR	38	23	25	18	1
2	13 *	1.2	15	NR				NR	27	22	24	19	2
3	16	1.3	17	NR				NR	37	9.3	18	28	3
4	20	1.3	14 *	NR				NR	44	17	20	26	4
5	12	1.3	12	NR				NR	35 *	28	13	32	5
6	13	2.1	10	NR				15	18	25	12	22	6
7	8.0	3.6	8.4	NR				12	25	13	32	23	7
8	4.3	12	8.0	NR				6.2	32	24 *	51	24	8
9	21	14	7.5	NR				3.3	31	18	63	19	9
10	18	16	7.2	NR	N	N	N	34	13	18	74	16	10
11	13	17	6.8	NR	O	O	O	57	9.7	31	52	11	11
12	5.4	17	6.4	NR				55	8.9	21	26 *	17	12
13	3.0	17	6.3	NR				46	12	19	15	17	13
14	2.3	17	5.8	NR				8.5	32	11	10	23	14
15	2.0	17	4.7	NR	R	R	R	4.3	26	12	27	16	15
16	1.8	17	4.0	NR	E	E	E	23	25	17	27	11	16
17	7.7	17	3.8	NR				27	16	33	35	19	17
18	15	16	3.5	NR	C	C	C	18	8.7	38	39	4.9*	18
19	5.4	16	3.1	NR				17	6.5	32	39	1.7	19
20	0.5	17	1.9	NR	O	O	O	24	14	21	31	1.3	20
21	0.0	19	1.8	NR	R	R	R	17	24	14	28	1.4	21
22	1.8	18	1.5	NR				3.0	30	7.8	25	2.9	22
23	0.8	17	1.5	NR	D	D	D	1.6	24	14	26	3.4	23
24	0.0	17	1.5	NR				1.5	17	16	27	3.2	24
25	6.1	17	1.5	NR				36	20	31	20	5.5	25
26	1.3	17	1.4	NR				41	21	27	20	6.5	26
27	0.0	17	1.4	NR				44	19	22	17	6.7	27
28	0.3	15	1.5	NR				23	14	26	8.1	11	28
29	0.0*	14	1.0	NR				18	21	23	13	9.5	29
30	0.0	14	0.9	NR				23	27	18	49	8.1	30
21	0.0		0.9	NR				19		22	52		31
MEAN	6.4	12.9	5.6	NR	NR	NR	NR	NR	22.5	21.1	29.6	13.6	MEAN
MAX.	21.0	19.0	17.0	NR	NR	NR	NR	NR	44.0	38.0	74.0	32.0	MAX.
MIN.	0.0	1.0	0.9	NR	NR	NR	NR	NR	6.5	7.8	8.1	1.3	MIN
AC. FT.	394	767	346	NR	NR	NR	NR	NR	1340	1295	1821	807	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
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
38 01 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
1975	802560	MORMON SLOUGH AT BELLOTA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	26	429	98	30	21	69						1
2	NR	26	423	60	63	26	63						2
3	NR	26	459	40	92	23	65						3
4	NR	26	452 •	33	77	22	65						4
5	NR	49	443	30	96	24	74						5
6	NR	134	442	28	73	30	86						6
7	NR	197	442	29	66	89	78						7
8	NR	289	436	38	75	1,260	76						8
9	NR	331	433	43	196	1,220	85						9
10	NR	345	433	39	257	1,050	85	N	N	N	N	N	10
11	NR	350	401	43	162	1,040	83	O	O	O	O	O	11
12	NR	350	416	40	89	1,010	83						12
13	NR	350	428	38	566	1,380	82						13
14	NR	350	433	35 •	321	1,680	74						14
15	NR	353	433	33	126	1,490	70	R	R	R	R	R	15
16	NR	347	433	32	83	2,070	68	E	E	E	E	E	16
17	NR	346	436	29	65	2,060	NR						17
18	NR	349	467	28	30	2,000	NR	C	C	C	C	C	18
19	NR	354	405	28	6.0	1,980 •	NR						19
20	NR	440	425	28	22	1,930	NR	O	O	O	O	O	20
21	NR	437	429	28	52	1,950	NR	R	R	R	R	R	21
22	NR	433	434	29	370	3,720	NR						22
23	NR	429	442	30	448	4,590	NR	D	D	D	D	D	23
24	NR	429	438	30	432	4,130	NR						24
25	84	426	433	30	199	5,010	NR						25
26	16	425	433	29	175	6,240	NR						26
27	20	435	433	28	81	5,630	NR						27
28	25 •	429	438	28	42	4,230	NR						28
29	23	429	443	28		1,080	NR						29
30	21	429	423	28		151	NR						30
31	22		187	28		90							31
MEAN	NR	311	425	35.1	153	1,846	NR	NR	NR	NR	NR	NR	MEAN
MAX.	NR	440	467	98.0	566	6,240	NR	NR	NR	NR	NR	NR	MAX.
MIN.	NR	26.0	187	28.0	6.0	21.0	NR	NR	NR	NR	NR	NR	MIN.
AC. FT.	NR	18524	26186	2158	8517	113506	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	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	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	1952	0.00 0.00	LOCAL 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 diversion 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 the diversion dam. Drainage area is 470 square miles.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	B02580	STOCKTON DIVERTING CANAL AT STOCKTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.9	20	455	117	10	11	53	0.3	7.6	5.0	3.7	14	1
2	1.9*	27	453	44	52	7.6	30	4.6	8.0	5.1	3.6	6.7	2
3	1.6	17	511	14	201	8.2	41	5.4	8.2	5.6	3.8	5.9	3
4	1.6	12	569	8.7	100	8.9	54	5.4	9.3	5.9	2.5	5.8	4
5	1.6	12	470 *	7.5	168	8.8	48	5.3	11 *	5.5	5.6	5.5	5
6	2.2	144	450	7.9	95	8.8	79	4.7	8.5	5.9	22	14	6
7	44	322	447	7.3	54 *	11	71	4.1*	8.9	15	7.6	9.6	7
8	51	436	446	8.6	191	1,030	61	3.8	9.4	6.1	9.0	7.1	8
9	46	493	451	12	301	1,380	70	3.7	9.0	5.5	4.4	6.6	9
10	47	510	453	9.7	510	1,120	65	3.2	8.8	4.9	9.6	8.9	10
11	31	507	440	12	384	1,140	48	4.5	8.7	5.2	21	8.4	11
12	10	500	413	21	184	1,100	40	9.9	8.9	9.2	4.2*	11	12
13	1.9	491	435	22	695	1,260 *	35	8.4	11	19	3.9	9.0	13
14	0.9	491	443	8.8	724	2,220	31	16	10	24	10	8.1	14
15	0.7	481	451	6.1	234	1,610	23	17	9.6	9.3	9.3	12	15
16	1.5	477	451	6.1	116	2,110	23	9.3	9.2	8.8	5.2	12	16
17	2.0	469	470	5.9	63	2,060	16	12	8.2	8.6	NR	21	17
18	1.7	462	481	5.7	38	1,910 *	4.8	14	13	8.6	NR	11 *	18
19	1.6	460	483	5.5	8.4	1,850	2.9	10	12	8.4	NR	6.9	19
20	0.8	530	458	5.7	3.9	1,830	1.9	9.0	13	9.1	NR	6.4	20
21	0.0	535	478	5.6	39	1,880	0.7	7.5	9.2	9.0*	NR	5.8	21
22	0.0	523	488	5.9	288	3,500	0.0	10	9.0	12	NR	6.0	22
23	13	507	482	6.2	494	4,790	0.0	6.2	11	7.1	NR	5.9	23
24	18	496	479	6.4	526	3,940 *	0.0	5.4	8.4	6.5	NR	5.6	24
25	6.0	492	482	7.0	286	4,720 *	0.0	5.3	7.4	6.9	NR	6.0	25
26	3.8	486	483	6.9	214	6,210	0.0	5.3	5.4	5.6	NR	6.1	26
27	11	489	484	6.5	121	5,450 *	0.0	13	5.0	4.8	4.1	5.9	27
28	18	474	494	7.3	31	4,170	0.0	12	5.0	4.9	21	5.7	28
29	32	467	508	8.0		1,520 *	0.0	8.4	5.1	5.3	13	5.9	29
30	20 *	460	513	7.9		268 *	0.0	5.8	5.2	4.3	4.4	6.1	30
31	15		291	9.1		97 *		7.8		3.4	3.9		31
MEAN	12.5	393	464	13.3	219	1,846	26.6	7.8	8.8	7.9	NR	8.3	MEAN
MAX	51.0	535	569	117	724	6,210	79.0	17.0	13.0	24.0	NR	21.0	MAX.
MIN	0.0	12.0	291	5.5	3.9	7.6	0.0	0.3	5.0	3.4	NR	5.5	MIN.
AC. FT.	7.9	23385	28586	818	14161	113513	1583	477	522	485	NR	494	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
NR	6,230	12.02	3	26	0015	0.0	2.84	10	21	2000	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 DMLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
37 59 12	121 15 30	SE 42 2N 6E	11,400 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 at the head of Mormon Slough, returns to the river via Stockton Diverting Canal into the Sacramento-San Joaquin Delta. For periods of no record, inflows into the Delta are estimated from the station, "Mormon Slough at Bellota".

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	802007	MOSHER SLOUGH NEAR STOCKTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	17	10	0.0	0.0	1.5	0.0	3.4	23	10	20	11	43	1
2	19	0.9	1.2	0.0*	1.3	0.0	3.6	18 *	10	19	10	48	2
3	16 *	0.0	3.1	0.0	0.6	0.0*	2.9	16	8.4	16	14	37	3
4	17	0.0	0.5	0.0	0.4*	0.0	4.2	23	13	19	16	29	4
5	17	0.0	0.7	0.0	0.1	0.2	9.3	29	12	16	14	16	5
6	14	0.0	0.2	0.6	0.0	0.1	7.6	19	13	20	11	12	6
7	17	0.1	0.0	0.0	0.4	1.3*	5.2	16	14	14	8.1	11	7
8	32	0.0	0.0	0.4	0.7	1.5	9.0	18	14	13	11	10	8
9	36	0.0	0.0	0.0	16 *	0.1	7.3	18	17	12	14	11	9
10	29	0.0	0.0	0.0	16	0.5	2.0	18	11	9.7	12	34	10
11	24	0.0	0.0	0.0	4.6	0.0	1.3	25	13	9.9	10	34	11
12	18	0.0	0.0	0.0	1.1	0.0	1.2	19	14	7.8	3.9	33	12
13	20	0.0	0.0	0.0	11	3.6	2.3	10	12	9.3	6.6	41	13
14	26	0.0	0.0	0.0	15	9.1	3.7	9.3	11	9.6	9.9	40	14
15	24	0.0	0.0	0.0	2.1	5.2	3.1	9.4	12	7.6	19	65	15
16	21	0.0	0.0	0.0	0.2	0.5	13	7.2	13	9.6	17	81	16
17	27	0.0	0.0	0.0	0.0	1.3	17	6.2	7.9	12	18	71	17
18	32	0.0	0.0	0.0	0.0	0.5	18	7.5	4.6	7.4	45	79	18
19	23	0.0	0.0	0.0	0.2	0.2	19	11	5.0*	8.2	61	67	19
20	17	0.0	0.0	0.0	0.0	0.3	18	20	9.5*	13	42	74	20
21	23	0.2	0.0	0.0	0.0	4.2	24	25	11	13	50	45	21
22	21	0.0	0.0	0.0	0.0	11	19	32 *	11	4.4	26	55	22
23	20	0.0	0.0	0.0	0.0	8.2	16	28 *	14	5.4	23	33	23
24	22	0.0	0.0	0.0	0.0	4.4	11	16	17	5.8	28	57	24
25	19	0.0	0.0	0.0	0.0	5.3	7.0	12	24	4.8	31	63	25
26	14	0.0	0.0	0.0	0.0	2.6	12	12	21	5.9	16	55	26
27	11	0.0	0.2	0.0	0.0	1.6	19	11	16	9.1	23	58	27
28	13	0.0	0.5*	0.1	0.0	3.2	25	7.9	15	9.4	23	62	28
29	15	0.0	0.0	0.0		3.5	19	9.5	15	9.5	24	82	29
30	14	0.0	0.0	0.0		2.8	15	10	16	9.2	25	55	30
31	13		0.0	0.5		2.8		8.2		9.3	42		31
MEAN	20.4	0.4	0.2	0.1	2.5	2.4	10.6	15.7	12.8	10.9	21.4	46.7	MEAN
MAX.	36.0	10.0	3.1	0.6	16.0	11.0	25.0	32.0	24.0	20.0	61.0	82.0	MAX.
MIN.	11.0	0.0	0.0	0.0	0.0	0.0	1.2	6.2	4.6	4.4	3.9	10.0	MIN
AC FT.	1252	22	13	3	141	147	631	968	762	672	1318	2779	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
12.0	94	3.21	09	29	0945	0.0	1.71	11	03	2315	8708

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC. T. & R M D B.&M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 01 42	121 17 40	SE 10 2N 6E	94	3.21	9-29-75	OCT 73 - DATE	FEB 72 - DATE	1972		0.00	LOCAL

Station located 200 feet below West Lane Bridge, immediately northeast of Stockton. Tributary to San Joaquin River. Floodflows are diverted to Bear Creek six miles upstream from station.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	802010	BEAR CREEK NEAR LODI

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	17	8.8	0.0	0.6	NR	1.8	14					NR	1
2	16	2.3	0.0	0.4	NP	6.4	9.4					NR	2
3	5.0*	1.0	12	0.2	33 *	6.6	8.0					NR	3
4	5.5	0.4	27 *	0.2	24 *	5.4*	8.1					NR	4
5	1.1	0.1	7.2	0.1	30	5.7	22						5
6	0.8	0.0	1.5	0.3	8.6	9.6	48					29	6
7	0.5	0.0	0.4	0.9	2.1	13 *	44					22	7
8	1.2	0.1	0.1	1.0	15	57	35					6.0	8
9	1.0	0.1	0.0	2.0	1,100	150	15					51	9
10	3.7	0.0	0.1	1.6	533 *	49	9.9	N	N	N	N	45	10
11	6.3	0.0	0.0	1.1	100	59	7.5	O	O	O	O	41	11
12	6.3	0.0	0.0	0.6	57	32	7.2					59	12
13	5.1	0.0	0.0	0.3	797	196	9.4					33	13
14	5.4	0.0	0.0	0.2	331 *	685 *	7.1					44	14
15	1.3	0.0	0.0	0.4	83	144	5.7	R	R	R	R	13	15
16	0.4	0.0	0.0	0.3	36	229	4.0	E	E	E	E	16	16
17	0.3	0.1	0.0	0.1	17	110 *	3.5					16	17
18	0.3	0.0	0.0	0.0	9.7	38	NR	C	C	C	C	7.6	18
19	0.2	0.0	0.0	0.0	7.0	20	NR					3.6	19
20	0.2	0.0	0.1	0.0	9.3	13	NR	O	O	O	O	3.8	20
21	12	0.0	0.0	0.0	11 *	15	NR	R	R	R	R	0.9	21
22	4.9	0.0	0.1	NR	6.3	444	NR					6.7	22
23	1.7	0.0	0.0	NR	4.0	156	NR	D	D	D	D	18	23
24	4.7	0.0	0.2	NR	3.0	61	NR					21	24
25	0.9	0.0	0.3	NR	2.4	224	NR					20	25
26	0.4	0.0	0.4	NR	2.0	139	NR					13	26
27	0.2	0.0	0.4	NR	1.6	41	NR					15	27
28	0.6	0.0	0.8*	NR	1.4	21	NR					13	28
29	0.4	0.0	0.4	NR		12	NR					17	29
30	0.6	0.0	1.0	NR		14	NR					15	30
31	0.5		1.2	NR		17							31
MEAN	3.4	0.4	1.7	NR	NR	96.0	NR	NR	NR	NR	NR	NR	MEAN
MAX.	17.0	8.8	27.0	NR	NR	685	NR	NR	NR	NR	NR	NR	MAX.
MIN.	0.2	0.0	0.0	NR	NR	1.8	NR	NR	NR	NR	NR	NR	MIN.
AC. FT.	207	26	106	NR	NR	5900	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	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT	MO	DAY	TIME	DISCHARGE	GAGE HT	MO	DAY	TIME	ACRE FEET
NR	NR					NR					NR

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 27	121 12 40	SE 28 3N 7E	4,550	8.33	1-22-1967	DEC 1965-DATE	FEB 1965-DATE	1965		44.45	USCGS

Station located 50 feet above Alpine Road bridge, 5.0 miles southeast of Lodi. Tributary to San Joaquin River via Disappointment Slough. Drainage area is 36.7 square miles. A removable board dam, 1/2 mile below gaging station, impounds flows during the irrigation season and discharges are not computed for this period. Monthly flows below the dam during its operation are estimated at less than 500 acre-feet.

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

WATER YEAR	STATION NO.	STATION NAME
1975	B02105	MOKELUMNE RIVER AT WOODBRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	558	762	311	156	72	78	898	1,040	724	557	389	551	1
2	570	686	316	156	75	77	795	1,050	723	420	375	522	2
3	545	653	351	117	59	76	825	1,050	720	424	387	517	3
4	531	652	223	97	49	77	832	1,060	719	432	381	476	4
5	526	649	177	97	41	79	858	1,060	718	433	380	470	5
6	535	551	170	99	33	78	851	1,070	716	439	386	477	6
7	543	541	168	96	38	83	843	1,020	720	437	372	480	7
8	538	537	168	95	36	82	847	738	723	415	364	488	8
9	615	459	169	90	82	79	853	695	731	410	383	514	9
10	595	439	169	89	168	95	854	689	705	400	389	535	10
11	585	434	168	88	86	82	858	697	698	392	403	570	11
12	589	429	168	88	68	76	861	694	669	387	391	557	12
13	595	384	165	88	90	93	864	690	646	409	391	559	13
14	596	366	166	88	106	89	863	675	659	419	405	564	14
15	601	361	167	87	85	69	877	684	444	399	411	596	15
16	619	360	167	87	88	169	1,150	824	580	396	401	576	16
17	643	359	167	87	86	84	1,230	862	1,020	396	406	567	17
18	674	359	167	87	86	319	1,230	867	1,160	402	483	548	18
19	656	358	167	87	86	757	1,240	865	1,170	409	480	542	19
20	652	358	166	87	83	796	1,240	860	1,150	421	502	533	20
21	665	367	165	87	80	821	1,240	865	974	423	496	545	21
22	667	363	165	86	79	712	1,240	1,070	922	425	488	560	22
23	648	360	166	76	76	649	1,170	1,120	916	409	507	606	23
24	669	358	167	67	76	650	1,150	1,060	914	402	505	639	24
25	708	359	167	70	78	803	1,160	1,060	915	418	505	630	25
26	656	357	168	70	78	895	1,160	1,050	915	411	477	626	26
27	655	341	170	68	77	1,410	1,170	1,040	907	417	474	649	27
28	696	333	178	69	78	1,600	1,170	1,020	603	425	474	655	28
29	744	331	159	67		1,220	1,150	960	576	413	471	674	29
30	1,060	318	157	65		1,090	1,070	734	580	407	479	675	30
31	880		156	69		1,080		724		398	494		31
MEAN	639	439	184	89	76.4	460	1,018	900	781	418	434	563	MEAN
MAX.	1,060	762	351	156	168	1,600	1,240	1,120	1,170	557	507	675	MAX.
MIN.	526	318	156	65	33	69	795	675	444	387	364	470	MIN.
AC. FT.	39,300	26,150	11,320	5,470	4,240	28,300	60,590	55,330	46,450	25,680	26,680	33,520	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
501	1,630	13.05	3	28	0930						363,000

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
38 09 31	121 18 09	NE 34 4N 6E	27,000	29.58	11-22-1950	MAY 24-OCT 25 8 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 power plants. Records furnished by U. S. Geological Survey. Drainage area is 661 square miles.

8 - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	B21160	SUTTER CREEK NEAR SUTTER CREEK

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.9	9.7	6.6	9.0	16	24	80	41	15	6.8	1.2	1.5	1
2	0.9*	6.3	6.6	8.5	132	23	73	39	15	6.0	1.0	1.4	2
3	1.0	5.1	30	8.4	82	21	68	44	15	5.9	1.0	1.1	3
4	1.1	4.7	56	9.1	113	20	69	48	14	5.9	1.0	0.9	4
5	1.3	4.4	24 *	10	86	24	96	40	14	5.7	1.1	0.8	5
6	1.4	4.4	15	42	64 *	32 *	98	37	14	5.0	1.0	0.7	6
7	1.4	5.1	12	58	52	200	95	34	13	5.0	1.0	0.5	7
8	1.3	12	11	123	54	408	94	33	13	4.4	0.8	0.4	8
9	1.5	7.8	9.6	62	339	167	101	31	12	4.2	0.6	0.5	9
10	1.7	6.2	9.0	37	275	117	101	30	11	4.1	0.6	0.5	10
11	1.7*	5.6	8.6	28	120	91	91	29	11 *	3.9	0.6	0.7	11
12	1.6	5.4	8.3	23	85	74	84	28	11	3.8	0.6	0.7	12
13	1.4	5.4	9.7	20	184 *	80	78	28	11	3.7	0.6	0.7	13
14	1.4	5.2	8.8	18	135	86	75	27	10	3.5	0.8	0.6	14
15	1.4	5.2	8.4	16 *	94	87	83	26	9.7	3.4	0.7	0.7	15
16	1.4	4.9	8.7	15	76	186	77	26	9.5	4.1	0.5	0.7	16
17	1.4	4.8	8.4	14	62	129	71	25	9.5	3.9	0.5	0.8	17
18	1.4	4.9	8.1	13	50	101	65	24	9.2	3.6	1.9*	0.7*	18
19	1.4	5.2	8.1	12	55	100	58	23	9.3	3.4	4.5	0.6	19
20	1.6	5.2	7.7	12	81	105	54	22	9.4	3.2	3.5	0.6	20
21	1.8	15	7.7	11	58	147	51	22	9.0	3.2	3.1	0.5	21
22	2.0	26	8.3	10	49	341	48	21	8.5	2.9*	2.8	0.4	22
23	2.1	11	8.1	9.9	43	194	46	20	8.2	2.6	2.3	0.5	23
24	2.3	8.5	7.6	9.9	38	187	62 *	20	9.0	2.3	1.8	0.8	24
25	2.5	8.6	7.6	9.5	34	850	80	20	9.4	2.1	1.4	0.7	25
26	2.4	8.4	7.6	9.5	31	324	64	19	8.4	1.9	1.1	0.4	26
27	2.5	7.7	8.2	9.9	27	202	53	18	7.9	1.7	1.3	0.1	27
28	16	7.3	15	9.4	26	151	48	18	7.7	1.7	1.5	0.0	28
29	19	7.0	13	9.3		121	44	17	7.2	1.5	1.5	0.0	29
30	6.3	6.7	11	9.3		104	43	16	6.9	1.2	1.6	0.4	30
31	6.8		9.5	9.4		91		16		1.2	1.5		31
MEAN	2.9	7.5	11.9	20.8	88.1	154	71.7	27.2	10.6	3.6	1.4	0.6	MEAN
MAX.	19.0	26.0	56.0	123	339	850	101	48.0	15.0	6.8	4.5	1.5	MAX.
MIN.	0.9	4.4	6.6	8.4	16.0	20.0	43.0	16.0	6.9	1.2	0.5	0.0	MIN
AC FT.	180	444	730	1280	4891	9493	4264	1670	630	222	86	37	AC FT.

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

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT	MAXIMUM MO	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT	MINIMUM MO	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
33.1	1480	4.01	03	25	0645	0.0	0.49	09	28	1645	23928

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 49	SE 5 6N 11E	5,770 E	6.27	1-31-1963	JAN 36-DEC 41	JAN 36-DEC 41	1936	1938	-4.00	LOCAL
						MAR 1960-DATE	MAR 1960-DATE	1938		0.00	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
1975	801520	DRY CREEK NEAR GALT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1		7.9	2.8	7.0	12	102	264	111	11	0.0	0.0	0.0	1
2		7.2	2.5	6.4	272	102	234	99	13	0.0	0.0	0.0	2
3		4.1	16	5.3	323	91	213	96	14	0.0	0.0	0.0	3
4		1.8	66	5.2	325	83	206	114	14	0.0	0.0	0.0	4
5		0.2	76	5.2	342	86	461	105	12	0.0	0.0	0.0	5
6		0.0	39	7.1	202	140	697	95	11	2.3	0.0	0.0	6
7		0.0	25	67	168	146	564	89	6.3	6.8	0.0	0.0	7
8		0.0	19	138	198	1,580	422	88	5.1	9.0	0.0	0.0	8
9		3.1	16	211	2,840	1,030	384	81	3.2	4.4	0.0	0.2	9
10	N	6.9	13	100	3,810	562	331	76	4.6	2.1	0.0	4.0	10
11	O	3.3	11	62	997	417	289	73	2.4	1.7	0.0	11	11
12		2.0	10	44	519	310	258	69	0.0	0.1	0.0	4.6	12
13		2.3	9.1	37	2,190	415	234	65	0.0	0.0	0.0	3.0	13
14		3.8	10	32	1,650	1,030	218	53	0.0	0.0	0.0	2.0	14
15	F	8.2	10	28	668	646	217	51	0.0	0.0	0.0	2.3	15
16	L	1.3	9.0	24	425	1,090	213	48	0.0	0.0	0.0	0.5	16
17		0.1	8.1	21	314	809	196	43	0.0	0.0	0.0	0.0	17
18	O	0.0	7.1	20	250	521	175	38	0.0	0.0	0.0	0.0	18
19		0.0	5.5	18	223	388	161	34	0.0	0.0	5.2	0.0	19
20	W	0.0	5.3	16	389	381	153	34	0.0	0.0	4.0	0.0	20
21		0.0	5.6	13	282	340	145	31	0.0	0.0	4.3	0.0	21
22		0.0	4.4	11	213	2,050	134	31	0.0	0.0	1.0	0.0	22
23		16	4.5	10	185	1,160	124	32	0.0	0.0	1.6	0.0	23
24		13	3.0	9.3	168	833	128	30	0.0	0.0	0.0	0.0	24
25		7.9	1.2	8.6	146	2,400	217	31	0.0	0.0	0.0	0.0	25
26		6.5	0.0	8.8	131	2,030	183	31	0.0	0.0	0.0	0.0	26
27		4.8	0.0	8.3	122	987	149	34	7.0	0.0	4.3	0.0	27
28		4.2	0.1	7.7	108	661	129	26	1.0	0.0	7.1	0.0	28
29		3.3	13	7.2		494	120	18	0.7	0.0	4.5	0.0	29
30		2.7	17	6.8		396	119	14	0.0	0.0	3.9	1.8	30
31			12	6.4		327		10		0.0	1.4		31
MEAN	0.0	3.7	13.6	30.7	624	697	245	56.5	3.5	0.8	1.2	1.0	MEAN
MAX.	0.0	16	76	211	3,810	2,400	697	114	14	9.0	7.1	11	MAX.
MIN.	0.0	0.0	0.0	5.2	12	83	119	10	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	219	837	1,890	34,660	42,860	14,550	3,470	209	52	74	58	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
137	7,280	14.22	2	10	0200						98,880

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 53	121 13 53	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 U. S. Geological Survey. Drainage area is 329 square miles.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	801580	DEER CREEK NEAR SLOUGHHOUSE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	1.5	5.3	22	9.4	29	11	0.3	0.0	0.0	0.0	1
2	0.0*	3.1	1.5	4.7	352	11	25	11	0.3	0.0	0.0	0.0*	2
3	0.0	2.8	6.4	4.7	165	9.3	24	10	0.4	0.0	0.0	0.0	3
4	0.0	2.1	25	4.7	323	8.5	26	14	0.3	0.0	0.0*	0.0	4
5	0.0	1.6	11 *	5.1	94	12	89	12	0.3	0.0	0.0	0.0	5
6	0.0	1.4	6.1	22	51 *	25	89	9.7	0.3	0.0	0.0	0.0	6
7	0.0	1.6	5.8	79	58	30 *	52	9.9	0.1	0.0	0.0	0.0	7
8	0.0	2.3	5.3	165	93	71	39	9.0	0.1	0.0	0.0	0.0	8
9	0.0	4.9	4.7	51	522	38	34	7.4	0.0	0.0	0.0	0.0	9
10	0.0	2.8	4.3	31	304	31 *	30	6.3	0.0	0.0	0.0	0.0	10
11	0.0	2.0	4.3	22	148	30	29	5.7	0.0	0.0	0.0	0.0	11
12	0.0	1.7	4.7	16	150	24	26	5.8	0.0	0.0	0.0	0.0	12
13	0.0	1.5	5.3	13	776 *	139	24	5.5	0.0	0.0	0.0	0.0	12
14	0.0	1.3	5.8	11	152 *	161	23	4.7	0.0	0.0	0.0	0.0	14
15	0.0	1.3	5.3	10 *	49	102	28	4.4	0.0	0.0	0.0	0.0	15
16	0.0	1.3	4.7	8.4	34	174	26	4.5	0.0	0.0	0.0	0.0	16
17	0.0	1.3	4.7	7.3	27	63	26	4.6	0.0	0.0	0.0	0.0	17
18	0.0	1.4	4.3	6.6	21	46	17	3.8	0.0	0.0	0.0*	0.0	18
19	0.0	1.5	4.3	6.4	49	39	15	3.2	0.0	0.0	0.0	0.0	19
20	0.0	1.7	4.3	6.3	72	40	14	2.8	0.0	0.0	0.0	0.0	20
21	0.0	3.8	4.3	6.4	32	175	14	2.7	0.0	0.0	0.0	0.0	21
22	0.0	25	4.3	6.4	23	329	13	2.4	0.0	0.0*	0.0	0.0	22
22	0.0	8.0	4.7	6.1	18	88	13	2.0	0.0	0.0	0.0	0.0	23
24	0.0	4.4	3.8	5.8	15	127	16 *	1.9	0.0	0.0	0.0	0.0	24
35	0.0	3.4	3.4	5.8	14	497	43	1.7	0.0	0.0	0.0	0.0	25
36	0.0	3.2	4.3	5.8	12	144	25	1.6	0.0	0.0	0.0	0.0	26
27	0.0	2.5	4.7	5.6	10	63	19	1.4	0.0	0.0	0.0	0.0	27
28	0.0	2.1	5.8	5.3	9.3	45	15	1.1	0.0	0.0	0.0	0.0	28
29	0.0*	1.9	6.4	5.1		38	13	0.8	0.0	0.0	0.0	0.0	29
30	0.0	1.8	5.8	4.8		34	12	0.5	0.0	0.0	0.0	0.0	30
21	0.0		5.3	5.5		31		0.4		0.0	0.0		21
MEAN	0.0	3.1	5.6	17.5	128	85.0	28.3	5.2	0.1	0.0	0.0	0.0	MEAN
MAX.	0.0	25.0	25.0	165	776	497	89.0	14.0	0.4	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	1.5	4.7	9.3	8.5	12.0	0.4	0.0	0.0	0.0	0.0	MIN.
AC FT.		186	341	1075	7131	5225	1682	321	4				AC FT.

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

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT	MAXIMUM MO	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT	MINIMUM MO	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
22.1	1340	9.45	02	13	1200	0.0	5.70	10	01	0000	15966

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
1975	B01125	COSUMNES RIVER AT MCCONNELL

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	59	39	52	92	426	1,410	1,110	931	104	2.0	0.7	1
3	0.0	59	39	44	402	450	1,260	1,070	925	105	1.9	0.4	3
3	0.0	56	46	40	1,580	459	1,140	1,090	841	104	1.9	0.2	3
4	0.0	42	60	38	1,130	458	1,120	1,350	757	122	1.9	0.1	4
5	0.0	30	306	49	1,490	456	1,570	1,260	692	113	1.9	0.7	5
6	0.0	25	191	58	692	539	1,960	1,130	664	100	1.9	1.6	6
7	0.0	28	119	229	499	601	1,860	1,050	650	93	1.9	1.3	7
8	0.0	32	90	516	634	2,200	1,460	1,020	602	87	1.9	0.6	8
9	0.0	36	73	855	2,270	2,270	1,310	1,080	533	78	1.9	0.3	9
10	0.0	52	64	471	5,270	1,460	1,190	1,180	468	69	1.9	0.2	10
11	0.0	39	57	306	2,280	1,190	1,090	1,250	432	60	1.9	0.0	11
12	0.0	32	52	239	1,220	965	1,010	1,390	416	54	1.9	0.2	12
13	0.0	28	51	195	2,270	887	962	1,510	393	64	1.9	0.5	13
14	0.0	25	54	168	3,280	1,930	942	1,650	365	55	1.9	0.2	14
15	0.0	23	64	152	1,570	1,580	1,010	1,780	350	45	1.9	0.0	15
16	0.0	24	56	138	979	1,830	990	1,670	331	46	1.9	0.0	16
17	0.0	25	49	131	754	1,710	937	1,570	307	47	1.9	0.0	17
18	0.0	28	48	127	606	1,160	882	1,610	282	51	1.9	0.0	18
19	0.0	24	47	118	530	968	825	1,660	248	45	48	0.0	19
20	0.0	25	46	114	952	1,070	788	1,590	223	40	103	0.0	20
21	0.0	33	42	111	910	1,020	772	1,370	201	36	84	0.0	21
22	0.0	46	40	112	655	3,200	796	1,110	194	29	55	0.0	22
23	0.0	120	42	104	557	2,570	838	1,010	177	14	26	0.0	23
24	0.0	96	45	101	503	1,730	891	1,010	167	13	22	0.0	24
25	0.0	65	39	98	466	4,100	1,520	1,050	170	10	17	0.0	25
26	0.0	56	30	97	441	6,340	1,630	1,080	98	8.1	8.2	0.0	26
27	0.0	58	39	98	430	3,270	1,410	1,070	152	2.8	4.0	0.0	27
28	0.0	50	54	100	417	2,510	1,260	1,020	64	2.6	3.0	0.0	28
29	45	44	75	93		2,010	1,170	980	79	2.5	2.2	0.2	29
30	122	41	74	82		1,690	1,120	943	106	2.3	1.6	0.3	30
31	87		58	87		1,510		918		2.1	1.0		31
MEAN	8.2	43.4	67.4	165	1,174	1,695	1,171	1,245	394	51.8	13.2	0.2	MEAN
MAX.	122	120	306	855	5,270	6,340	1,960	1,780	931	122	103	1.6	MAX.
MIN.	0.0	23	30	38	92	426	772	918	64	2.1	1.0	0.0	MIN.
AC. FT.	504	2,580	4,140	10,160	65,220	104,300	69,670	76,530	23,440	3,180	812	15	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
498	7,600	42.79	3	26	0730	0.0		10	1		360,500

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & R M.D.B.&M	CFS	GAGE HT	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
38 21 29	121 20 34	SW 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-5 (CONT.)
DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A00020	MORRISON CREEK NEAR SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	7.4	8.5	2.6	2.4	70	3.0	2.3	4.9	5.8	8.7	6.6	4.4	1
2	7.4	5.4	11	1.6	174	2.2	2.3	4.0	7.0	7.5	5.0	6.4	2
3	6.4	3.9	110	3.1	66	2.6	2.1	3.8	8.3	7.3	3.6	6.9	3
4	6.7	5.0	42	2.2	117	2.8	2.6	3.9	9.3	4.1	6.2	6.7	4
5	6.4	4.7	12	1.6	39	22	70	4.6	9.6	3.5	6.8	8.3	5
6	5.9	4.2	7.7	15	23	15	102	5.4	9.7	4.1	7.1	6.9	6
7	6.8	22	4.8	7.4	47	40	43	5.8	7.5	5.8	7.7	4.3	7
8	6.8	8.3	3.5	8.4	93	138	21	6.1	5.7	7.2	10	6.0	8
9	6.5	7.2	5.0	5.7	285	43	12	6.4	6.6	6.1	7.1	6.6	9
10	7.6	5.1	6.0	5.4	104	39	9.4	4.7	8.3	5.5	6.4	5.3	10
11	7.6	5.1	6.5	2.6	41	31	6.9	4.3	8.1	5.4	10	4.0	11
12	4.2	6.7	6.2	2.0	130	20	4.6	5.2	9.3	4.2	16	4.3	12
13	3.9	4.6	6.5	4.4	523	159	4.7	5.4	8.4	3.8	15	2.2	13
14	2.9	4.5	4.3	5.4	158	70	5.7	4.6	6.2	5.0	17	1.2	14
15	5.0	4.4	4.0	5.2	37	21	6.4	4.4	6.2	5.7	16	2.3	15
16	5.2	2.6	6.1	5.7	17	52	9.3	5.7	6.3	4.8	7.7	3.4	16
17	5.0	1.6	6.5	5.1	10	25	6.7	4.7	6.3	5.0	4.2	4.1	17
18	5.2	5.5	6.6	2.1	8.4	15	4.8	4.7	6.6	4.0	45	4.9	18
19	3.3	5.1	6.7	1.8	33	12	3.7	5.1	4.3	3.1	26	4.2	19
20	2.0	5.2	5.2	4.1	25	11	3.7	4.5	5.2	2.8	22	2.8	20
21	5.1	37	3.5	5.1	14	118	3.9	5.0	4.0	4.2	12	1.8	21
22	5.7	12	3.0	5.3	7.0	160	4.0	4.6	3.5	3.5	11	3.9	22
23	5.3	6.0	3.2	5.5	4.7	10	4.8	5.1	5.6	4.2	6.6	5.1	23
24	5.5	4.1	3.1	5.1	4.5	40	11	5.4	9.2	5.7	6.4	6.6	24
25	6.6	8.5	2.6	2.9	3.9	133	5.0	4.4	10	4.8	11	6.5	25
26	6.0	6.9	2.8	2.1	3.3	10	3.8	3.8	8.8	3.3	12	6.4	26
27	35	6.5	48	3.8	3.3	2.5	3.9	6.0	9.1	2.2	12	3.8	27
28	37	4.0	150	10	3.4	2.3	4.2	5.9	7.2	2.9	13	3.3	28
29	11	2.7	20	6.1		2.3	4.9	6.3	6.8	3.6	11	5.7	29
30	7.2	2.5	4.5	4.6		2.3	5.1	7.1	8.3	5.0	6.4	5.6	30
31	26		2.4	32		2.2		6.6		6.1	4.8		31
MEAN	8.5	7.0	16.3	5.6	73	38.9	12.5	5.1	7.2	4.8	11.3	4.8	MEAN
MAX.	37	37	150	32	523	160	102	7.1	10	8.7	45	8.3	MAX.
MIN.	2.0	1.6	2.4	1.6	3.3	2.2	2.1	3.8	3.5	2.2	3.6	1.2	MIN.
AC. FT.	521	416	1,000	345	4,060	2,390	741	314	431	296	697	285	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
15.9	946	6.02	2	13	0730						11,500

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC. T & R. M D B &M	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
38 29 55	121 27 06	SE 32 8N 5E	1,610	8.53	1-26-1969	JULY 1959-DATE	JULY 1959-DATE	1959	1960	8.15	USCGS
								1960	1965	10.31	USCGS
								1965		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
1975	B95925	DELTA-MENDOTA CANAL NEAR TRACY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	4,331		0.0	0.0	4,497	4,787	4,161	4,722	3,318	4,633	4,588	4,436	1
2	4,450		0.0	0.0	4,527	4,777	4,792	4,717	3,687	4,644	4,578	4,040	2
3	4,345		0.0	0.0	4,506	4,782	4,752	4,727	4,046	4,633	4,568	3,944	3
4	4,344		0.0	0.0	4,361	4,750	4,735	4,705	4,056	4,635	4,540	3,970	4
5	4,333		0.0	0.0	4,485	4,772	4,751	4,699	4,083	4,649	4,583	3,965	5
6	4,357		0.0	0.0	4,496	4,764	4,716	4,704	4,082	4,678	4,572	3,968	6
7	4,363		0.0	1,071	4,486	4,472	4,718	4,628	4,073	4,634	4,571	3,968	7
8	4,360		0.0	1,684	4,375	4,111	4,738	4,759	4,072	4,638	4,193	3,979	8
9	4,371		0.0	2,309	4,474	4,116	4,739	4,764	4,052	4,670	4,593	3,965	9
10	4,352	N	0.0	2,723	4,509	4,113	4,317	4,764	4,045	4,639	4,583	3,978	10
11	4,353	O	0.0	2,637	4,673	4,116	3,860	4,739	4,023	4,641	4,578	3,974	11
12	4,351		0.0	3,202	4,714	4,086	3,735	4,757	4,053	4,637	4,615	3,975	12
13	4,348		0.0	3,209	4,743	4,127	3,714	4,288	4,034	4,635	4,624	3,974	13
14	4,363		0.0	3,236	4,254	3,681	3,535	4,140	4,042	4,641	4,606	3,958	14
15	4,372	F	0.0	3,192	3,936	2,825	3,238	3,582	4,060	4,633	4,589	3,979	15
16	4,298	L	0.0	3,252	3,941	2,461	3,230	3,387	4,006	4,626	4,600	3,981	16
17	3,921		0.0	3,400	3,934	2,452	3,229	3,356	4,032	4,632	4,536	3,971	17
18	3,860	O	0.0	3,486	3,934	2,455	3,226	3,367	4,016	4,584	4,492	3,967	18
19	3,875		92	3,486	3,930	2,946	3,224	3,372	4,043	4,583	4,352	3,861	19
20	3,872	W	224	3,475	3,959	3,377	3,219	3,367	4,033	4,533	4,380	3,760	20
21	3,872		0.0	3,482	3,951	3,372	3,466	3,338	3,963	4,524	4,371	3,748	21
22	3,403		0.0	3,483	3,918	3,372	4,445	3,377	3,917	4,529	4,385	3,755	22
23	2,701		0.0	3,509	3,931 *	3,387	4,737	3,375	3,938	4,581	4,376	3,764	23
24	2,437		0.0	3,492	3,422	3,364	4,734	3,336	4,009	4,602	4,347	3,730	24
25	2,471		0.0	3,952	3,228	3,398	4,745	3,360	3,947	4,562	4,377	2,810	25
26	1,865		0.0	3,948	3,299	3,383	4,734	3,346	4,010	4,613	4,404	2,394	26
27	1,664 *		0.0	3,943	4,209	3,383	4,728	3,366	3,992	4,618	4,415	2,397	27
28	1,676		0.0	3,944	4,588	3,373	4,720	3,371	4,001	4,602	4,409	2,302	28
29	1,080		0.0	4,129		3,413	4,727	3,342	4,005	4,592	4,422	2,295	29
30	243		0.0	4,489		4,043	4,729	3,343	4,245	4,588	4,487	2,313	30
31	0.0		0.0	4,568		4,092		3,333		4,568	4,458		31
MEAN	3,440	0.0	10.2	2,687	4,189	3,760	4,213	3,949	3,996	4,612	4,490	3,637	MEAN
MAX.	4,450	0.0	224	4,568	4,743	4,787	4,792	4,764	4,245	4,678	4,624	4,436	MAX.
MIN.	0.0	0.0	0.0	0.0	3,228	2,452	3,219	3,333	3,318	4,524	4,347	2,295	MIN.
AC. FT.	211,640	0.0	627	165,228	232,300	231,177	250,702	242,842	237,788	283,595	276,087	216,442	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
3,244											2,348,428

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 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
1975	B95910	CONTRA COSTA CANAL NEAR OAKLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	90	123	66	59	98	73	82	94	136	144	184	146	1
2	91	97	63	62	91	71	80	88	133	146	185	146	2
2	91	81	58	63	94	80	82	85	130	159	186	154	3
4	83	80	58	60	99	81	79	87	130	163	177	150	4
5	86	78	59	59	103	79	82	100	168	159	170	156	5
6	84	76	58	61	103	74	91	92	183	160	169	157	6
7	86	74	61	61	84	73	93	89	175	166	174	155	7
8	89	71	60	61	81	68	88	99	179	175	174	153	8
9	87	70	58	63	79	67	90	99	205	179	178	145	9
10	83	68	62	64	93	75	92	103	217	181	178	143	10
11	80	71	61	57	86	89	85	114	209	185	180	138	11
12	85	72	63	58	84	98	82	123	234	184	182	129	12
13	81	69	61	65	80	75	83	117	178	182	183	127	13
14	106	75	60	61	78	72	87	114	204	170	176	126	14
15	116	63	58	67	76	70	92	112	200	173	181	125	15
16	116	67	60	67	70	76	92	112	201	167	167	134	16
17	112	65	60	67	74	71	86	116	182	183	168	136	17
18	110	64	62	68	75	69	89	127	148	177	162	136	18
19	121	69	61	66	78	70	82	122	157	171	160	138	19
20	93	69	60	63	76	68	84	113	159	174	165	129	20
21	91	68	53	67	76	68	102	115	153	177	166	127	21
22	94	66	58	65	72	61	109	112	150	189	167	132	22
23	94	62	61	63	74 B	59	103	112	151	182	168	133	23
24	93	63	57	63	82	66	116	124	144	185	170	136	24
25	111	64	55	62	79	74	102	122	143	190	166	134	25
26	93	63	60	60	78	70	112	125	143	190	167	139	26
27	111 A	63	58	66	78	72	126	125	149	187	166	138	27
28	108	63	56	86	79	76	152	122	150	183	164	124	28
29	124	60	57	97		71	152	130	151	178	158	122	29
30	122	61	60	104		72	113	137	144	178	157	101	30
31	112		56	101		82		136		180	155		31
MEAN	98.2	71.2	59.4	67.3	82.9	73.2	96.9	112	167	175	171	137	MEAN
MAX.	124	123	66	104	103	98	152	137	234	190	186	157	MAX.
MIN.	80	60	53	57	70	59	79	85	130	144	155	101	MIN.
AC. FT.	6,036	4,235	3,650	4,138	4,602	4,503	5,768	6,875	9,929	10,745	10,518	8,150	AC. FT.

A - 25 hour day
B - 23 hour day

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
109											79,146

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M.D B &M	OF RECORD 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. Recording flow meters on pumps. Records furnished by U. S. Bureau of Reclamation.

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

WATER YEAR	STATION NO.	STATION NAME
1975	B95920	CALIFORNIA AQUEDUCT AT DELTA PUMPING PLANT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	896	830	4,480	2,590	3,110	4,435	1,636	1,637	350	259	1,087	3,950	1
2	896	1,389	1,635	1,976	3,360	6,300	1,635	2,268	218	259	3,540	3,945	2
3	897	2,240	1,553	3,124	1,949	2,856	1,636	2,901	158	259	6,300	3,943	3
4	869	830	1,682	4,194	1,950	1,222	1,666	4,060	231	231	3,701	3,958	4
5	1,019	1,077	1,831	5,180	1,950	2,139	3,170	1,637	131	350	3,138	3,970	5
6	1,120	1,091	1,692	3,314	1,150	3,599	5,180	2,267	130	350	3,136	5,000	6
7	666	736	2,754	3,321	914	3,024	1,879	2,268	218	350	3,363	6,300	7
8	518	1,136	4,480	3,322	2,503	3,460	1,878	2,268	350	131	3,230	4,011	8
9	418	1,739	1,658	2,594	3,360	3,710	1,879	2,268	131	218	5,015	4,032	9
10	417	2,590	1,780	2,553	1,382	1,335	1,878	3,843	130	158	6,300	3,946	10
11	354	1,174	1,879	3,219	1,546	1,234	1,876	6,300	158	231	3,722	3,949	11
12	350	1,179	1,878	4,830	1,120	1,234	2,959	2,262	231	218	3,857	3,341	12
13	350	976	1,879	1,653	593	1,793	2,799	2,268	350	131	3,950	4,482	13
14	350	912	3,173	1,315	1,664	1,222	1,232	1,978	189	345	4,590	6,300	14
15	354	1,398	5,180	1,634	3,804	1,118	1,260	705	233	350	3,950	2,269	15
16	931	1,743	1,879	1,982	3,710	0	1,360	259	158	131	4,878	2,396	16
17	958	4,480	3,320	2,083	2,759	93	1,359	640	232	193	6,300	2,728	17
18	959	1,634	3,320	3,544	1,283	417	1,332	3,360	131	354	3,872	2,998	18
19	1,048	2,134	2,603	4,830	2,983	722	2,074	997	131	218	3,949	2,999	19
30	1,470	1,979	2,603	1,733	2,981	1,880	2,612	283	131	350	3,951	4,295	20
21	1,279	2,154	3,619	1,633	1,313	1,881	1,042	409	218	158	3,934	6,300	21
22	1,415	1,798	5,180	1,635	3,681	3,163	1,878	130	350	231	3,921	3,581	22
23	1,445	3,476	3,321	1,659	4,964	5,180	1,863	350	158	158	4,872	3,546	23
34	1,120	3,710	2,282	1,758	1,735	1,832	1,750	218	259	231	6,300	3,679	34
25	1,213	1,415	3,710	2,942	1,738	1,447	1,449	350	231	131	3,236	3,383	25
26	1,754	1,635	2,385	4,480	3,723	1,634	2,585	130	133	350	3,228	3,321	26
27	1,531	1,634	2,657	2,270	3,788	1,634	2,307	204	131	350	2,974	3,895	27
28	858	4,480	3,460	2,197	3,228	1,635	2,111	262	218	139	3,000	5,180	28
29	1,162	1,635	3,710	1,852		2,756	1,482	232	350	323	3,358	2,677	29
30	2,860	2,754	2,299	2,354		4,480	1,477	131	158	546	4,877	3,321	30
31	1,860		2,210	2,354		1,635		218		613	6,300		31
MEAN	1,011	1,865	2,777	2,714	2,437	2,228	1,975	1,519	207	268	4,124	3,923	MEAN
MAX.	2,860	4,480	5,180	5,180	4,964	6,300	5,180	6,300	350	613	6,300	6,300	MAX.
MIN.	350	736	1,553	1,315	593	0	1,042	130	130	131	2,974	2,269	MIN.
AC. FT.	62,156	110,990	170,760	166,859	135,353	136,998	117,508	93,428	12,292	16,495	253,545	233,444	AC. FT.

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

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
2,085											1,509,828

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

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

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

WATER YEAR	STATION NO.	STATION NAME
1975	B89100	MARSH CREEK NEAR BYRON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1					0.0	1.5	16	7.8					1
2					2.2	1.4	14	6.6					2
3					2.2	1.3	13	5.9					3
4					7.0	1.1	17	5.7					4
5					3.9	1.1	46	5.5					5
6					2.5	2.8	39	5.2					6
7					2.3	8.3	26	4.9					7
8					3.0	16	67	4.7					8
9					30	9.7	36	4.5					9
10	N	N	N	N	45	18	29	4.2	N	N	N	N	10
11	O	O	O	O	21	16	25	4.0	O	O	O	O	11
12					13	10	21	3.7					12
13					72	59	20	3.5					13
14					37	40	19	2.5					14
15	F	F	F	F	19	26	17	2.5	F	F	F	F	15
16	L	L	L	L	14	59	17	2.6	L	L	L	L	16
17					9.6	25	19	2.3					17
18	O	O	O	O	7.3	20	15	2.1	O	O	O	O	18
19					6.3	17	13	1.8					19
20	W	W	W	W	9.0	13	13	1.3	W	W	W	W	20
21					5.8	56	12	1.6					21
22					4.2	141	11	1.3					22
23					3.6	50	11	1.3					23
24					3.3	39	11	1.1					24
25					2.8	131	13	1.3					25
26					2.3	55	11	0.9					26
27					2.0	38	9.6	0.7					27
28					1.8	29	9.1	0.2					28
29						23	8.9	0.0					29
30						20	8.6	0.0					30
21						18		0.0					21
MEAN	0.0	0.0	0.0	0.0	11.9	30.5	19.6	2.9	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	0.0	72	141	67	7.8	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	1.1	8.6	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	0.0	0.0	0.0	659	1,880	1,160	178	0.0	0.0	0.0	0.0	AC. FT.

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

WATER YEAR SUMMARY

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
5.36	465	5.87	3	21	2400						3,880

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & R M O B &M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
37 52 24	121 43 34	SW 2 1S 2E	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 U. S. Geological Survey. 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
1975	012200	BIDWELL CREEK NEAR FORT BIDWELL

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	5.2	6.3	5.8	5.6	7.1	12	11	23	145	34 •	12	8.5	1
2	5.2	6.2	5.8	5.6	7.1	13	11	25	157	31	12	8.3	2
3	5.2	6.1	6.2	5.6	7.4	14	11	28	167	30	11	8.0	3
4	5.2	6.1	6.3	5.6	7.4	13	11	30	176	29	11	7.7	4
5	5.2	6.1	6.3	5.6	7.4	14	12	31	177 •	29	11	7.4	5
6	5.0	6.1	6.3	5.6	7.7	14	11	31	178	30	11	7.4	6
7	5.1	6.1	6.3	5.6	7.7	14	11	30	177	29	11	7.2	7
8	5.2	6.1	6.1	5.4	7.7	14	11	31	163	27	11	7.1	8
9	5.2	6.1	6.1	5.4	8.0	14	10	34	141	25	10	7.1	9
10	5.2•	6.1	6.1	5.4	8.0	14	11	38	124	24	11	7.1	10
11	5.2	6.1	6.2	5.4	8.0	13	11	43	111 •	23	10	7.5	11
12	5.2	6.1	6.4	5.4	8.3	12	11	49	109	25	9.6	7.4	12
13	5.2	6.1	6.8	5.4	8.3	11	12	54	107	24	9.3	7.2	13
14	5.2	5.9	6.6	5.4	8.3	11	13	58	101	21	9.4	7.1	14
15	5.2	5.8•	6.9	5.4	8.6	11	13	65	100	24	9.6	6.9	15
16	5.2	5.8	7.4	5.4	8.6	10	14	73	99	24	9.6	6.9	16
17	5.2	5.8	7.2	5.6	8.6	9.8	14	82	95	21	12	6.9	17
18	5.0	5.8	6.6	5.6	8.6	9.6	14	87	90	20	14	6.8•	18
19	5.0	5.8	6.5	5.8	9.0	10	15	95	82	19	11 •	6.7	19
20	5.0	5.8	6.6•	5.8	9.0	11	16	96 •	77	18	11	6.5	20
21	5.1	6.0	6.8	6.1	9.0•	11	17	88	71	17	10	6.5	21
22	5.2	6.1	6.5	6.1	9.0	11	19	79	67	16	10	6.3	22
23	5.4	6.1	6.1	6.3	9.3	11	20	76	63	15	9.8	6.2	23
24	5.4	6.1	5.9	6.3	9.0	10	22 •	81	57	15	9.3	6.1	24
25	5.5	6.1	5.8	6.5	8.6	10	23	84	56	14	9.1	5.8	25
26	5.6	5.9	5.8	6.5	8.5	11	24	85	53	14	9.0	5.8	26
27	5.6	6.1	5.8	6.5	8.7	11 •	23	88	49	14	8.9	5.6	27
28	6.2	5.9	5.8	6.8	9.7	11	22	93	45	13	9.5	5.7	28
29	6.5	5.7	5.8	6.8		11	22	98	39	14	8.9	5.6	29
30	6.4	5.8	5.8	6.8		11	22	109	37	13	8.7	5.3	30
21	6.3		5.8	7.1		11		131		13	8.7		21
MEAN	5.4	6.0	6.3	5.9	8.3	11.7	15.2	65.1	103	21.5	10.3	6.8	MEAN
MAX	6.5	6.3	7.4	7.1	9.7	14.0	24.0	131	178	34.0	14.0	8.5	MAX.
MIN.	5.0	5.7	5.8	5.4	7.1	9.6	10.0	23.0	37.0	13.0	8.7	5.3	MIN
AC. FT.	330	357	386	362	461	721	906	4003	6175	1319	632	406	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
22.2	181	4.28	06	05	2215	5.0	3.26	10	05	1815	16057

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

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

¶ - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	615150	CEDAR CREEK NEAR CEDARVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.2	0.5	0.5	0.7	2.3	12	7.3	21	29	6.2	17	0.5	1
2	0.2	0.4	0.5	0.7	2.2	13	7.0	28	28	5.8*	15	0.5	2
3	0.3	0.4	0.6	0.7	2.2	11	7.0	30	26	5.5	13	0.5	3
4	0.3	0.4	0.7	0.7	2.1	10	6.9	25	24	5.1	11	0.5	4
5	0.3	0.4	0.6	0.8	2.0	10	6.7	22	23	4.9	9.8	0.5	5
6	0.4	0.4	0.5	0.9	1.9	9.8	5.6	21	22	4.7	8.6	0.5	6
7	0.4	0.4	0.6	1.0	2.0	9.6	5.5	25	21	4.4	7.3	0.4	7
8	0.4	0.5	0.5	1.4	2.8	9.0	5.4	32	19	4.0	6.3	0.4	8
9	0.4	0.5	0.5	1.2	3.8	8.7	5.1	38	17	3.8	5.5	0.4	9
10	0.4*	0.5	0.5	1.1	3.8	7.9	5.5	38	15	3.4	4.8	0.5	10
11	0.4	0.5	0.7	1.1	3.6	7.0	5.8	39	14 *	3.4	4.0	0.5	11
12	0.4	0.5	1.1	1.1	3.7	5.7	6.6	39	12	3.2	3.4	0.5	12
13	0.4	0.5	0.6	1.2	7.0	5.1	8.2	41	12	3.1	2.8	0.5	13
14	0.4	0.5	0.6	1.3	5.4	4.8	11	43	12	2.6	2.2	0.5	14
15	0.3	0.5	1.3	1.4*	4.5	4.6	12	39	12	2.4	1.8	0.5	15
16	0.3	0.5*	0.8	1.4	4.3	4.3	11	39	11	2.6	1.4	0.6	16
17	0.3	0.5	0.5	1.5	4.0	4.2	10	37	11	2.5	1.1	0.5	17
18	0.3	0.6	0.5	1.9	3.8	4.2	10	38	10	2.3	1.3	0.3*	18
19	0.3	0.6	0.5	2.2	4.4	5.4	11	37	11	2.0	1.6*	0.2	19
20	0.3	0.6	1.1*	2.4	4.4	6.2	12	34 *	11	1.8	1.4	0.2	20
21	0.3	0.6	0.9	2.4	3.9*	6.5	14	30	11	1.6	1.3	0.2	21
22	0.3	0.6	0.7	2.1	3.7	6.4	17	31	10	1.5	1.2	0.2	22
23	0.4	0.5	0.7	2.2	3.6	6.0	17	34	9.5	1.3	1.1	0.2	23
24	0.4	0.6	1.0	4.0	3.6	5.9	22	32	9.2	1.1	0.9	0.2	24
25	0.4	0.7	0.7	6.0	3.6	8.3	21	29	9.3	1.0	0.8	0.2	25
26	0.4	0.6	0.7	4.2	3.5	8.4	17	27	9.0	0.9	0.7	0.2	26
27	0.4	0.6	0.7	3.5	4.3	8.1*	15	28	8.1	0.8	0.6	0.2	27
28	0.5	0.5	0.7	4.7	7.8	6.0	15	28	7.3	0.7	0.7	0.2	28
29	0.4	0.4	0.7	3.2		5.9	15	28	6.6	7.9	0.6	0.2	29
30	0.4	0.5	0.7	4.1		6.7	17	28	6.4	20	0.6	0.2	30
31	0.5		0.7	2.4		8.0		29		19	0.6		31
MEAN	0.4	0.5	0.7	2.0	3.7	7.4	11.0	31.9	14.2	4.2	4.1	0.4	MEAN
MAX.	0.5	0.7	1.3	6.0	7.8	13.0	22.0	43.0	29.0	20.0	17.0	0.6	MAX.
MIN.	0.2	0.4	0.5	0.7	1.9	4.2	5.1	21.0	6.4	0.7	0.6	0.2	MIN.
AC. FT.	22	30	42	126	207	454	654	1964	846	257	255	22	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	55	4.25	05	14	1745	0.2	2.41	10	01	2030	4878

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

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

DAILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	G17150	EAGLE CREEK AT EAGLEVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2										33.4 *			2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10	1.00 *												10
11									43.9 *				11
12													12
13													13
14													14
15				1.42 *									15
16		2.08 *											16
17													17
18												2.42 *	18
19											14.8 *		19
20			2.45 *					20.4 *					20
21					2.00 *						6.78 *		21
22													22
23													23
24													24
25							4.61 *						25
26													26
27						3.52 *							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 *
Note: Gage height data insufficient to compute daily mean discharge.
Measured discharge published.

MEAN DISCHARGE	MAXIMUM DISCHARGE	GAGE HT.	MO.	DAY	TIME	MINIMUM DISCHARGE	GAGE HT.	MO.	DAY	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
41 18 40	120 07 27	SE23 40N 16E	N.R.			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
1975	631140	PINE CREEK AT EAGLE LAKE 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	0.0	0.0	0.0	198	97	0.0*	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	302 *	100	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0*	0.0	0.0	0.0	360	95	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	265	82	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	199	74	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	133	69	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	184	63	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	300	57	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	471	55	0.0	0.0	0.0	9
10	0.0*	0.0	0.0	0.0	0.0	0.0	0.0	528	51	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	607	46	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	720	41 *	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	870	36	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,040	32	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,140	28	0.0	0.0	0.0	15
16	0.0	0.0*	0.0	0.0	0.0	0.0	0.0	1,030	25	0.0*	0.0	0.0	16
17	0.0	0.0	0.0*	0.0	0.0	0.0	0.0	900	23	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	780	21	0.0	0.0*	0.0	18
19	0.0	0.0	0.0	0.0	0.0	0.0	1.8	680 *	21	0.0	0.0	0.0*	19
20	0.0	0.0	0.0	0.0	0.0*	0.0	4.1	585	21	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	0.0	0.0	12	436 *	20	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	0.0	46	325	18	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	0.0	70	258	15	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	0.0	99	221	13	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	0.0	102 *	196	12	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	0.0	88	160	8.8	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	0.0	80	133	7.3	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	0.0	0.0*	85	120	5.3	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0		0.0	105	109 *	2.8	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0		0.0	138	105	0.7	0.0	0.0	0.0	30
31	0.0		0.0	0.0		0.0		99		0.0	0.0		31
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	27.7	434	38.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	0.0	0.0	0.0	138	1,140	100	0.0	0.0	0.0	MAX.
MIN	0.0	0.0	0.0	0.0		0.0	0.0	99.0	0.7	0.0	0.0	0.0	MIN
AC FT.							1648	26686	2261				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
42.3	1140	5.45	05	15	0000	0.0	1.38	10	01	0000	30595

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & R M.D.B.&M	CFS	GAGE HT	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
40 39 56	120 47 07	NE1 32N 10E	1,140	5.45	5-15-75	JUL 56-DATE	JUL 56-DATE	1956	1969	0.00	LOCAL
								1969		0.00	LOCAL

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

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	661705	LONG VALLEY CREEK NEAR HALLELUJAH JUNCTION

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.0	4.9	2.8	3.3	1.6	16	38	35	27	2.5	1.0	1.1	1
2	1.0*	4.0	2.6	3.0	1.6	20	38	36	26	2.5	1.0	1.1	2
3	1.1	3.8	2.8	2.7	1.8	16	37	39	24	2.4*	1.0	1.2	3
4	1.1	3.7	4.3	3.0	1.9	16	37	37	23 *	2.3	1.0	1.3	4
5	1.2	3.5	2.8	4.3	2.2	16 *	37	37	22	2.3	1.0	1.4	5
6	1.2	3.4	2.8	11	2.2	16	37	36 *	21	2.2	1.0	1.5	6
7	1.3	3.3	2.7	13	2.2	19	36	37	19	2.2	1.1	1.7	7
8	1.3	3.2	2.6	11	2.3	22	35	39	18	2.1	1.1	1.9	8
9	1.4	3.1	2.6	3.7	3.9	18	35	41	17	2.1	1.1	2.0	9
10	1.4	3.1	2.6	4.7	3.1	16	35	44	15	2.0	1.1	2.4	10
11	1.5	3.0	2.6	4.7	2.9	16	29	47	13	2.0	1.1	2.2*	11
12	1.6	2.9	2.6	4.2	3.2	13	25	49	9.1	1.9	1.1	1.7	12
13	1.7	2.8	2.6	4.5	11	15	26	51	7.4	1.8	1.1	1.7	13
14	1.8	2.7	2.6	5.0	7.2	18	29	55	6.1	1.8	1.1	1.8	14
15	1.8	2.5*	2.6	4.7	5.0	19	29	56	5.1	1.7	1.1	1.6	15
16	1.9	2.4	2.3	4.5	4.7	18	29	58	4.7	1.7	1.0	1.6	16
17	2.0	2.4	2.3	4.3	4.0	17	27	59	5.5	1.6	1.1	1.5	17
18	2.1	2.4	2.3	4.4	4.3	18	28	62	6.4	1.6	1.1	1.5	18
19	2.2	2.4	2.5	4.5	6.3	20	30	63 *	7.5	1.5	1.1	1.5	19
20	2.3	2.4	2.6	4.5*	6.7	19	31	57	5.8	1.5	1.1	1.5	20
21	2.4	3.3	2.5	4.6	4.4	17	32	52	4.7	1.4	1.1	1.4	21
22	2.5	3.7	2.2	4.4	4.2	15	32	45	4.0	1.4	1.1	1.4	22
23	2.6	2.7	2.2	4.6	4.9	21	32	43	3.3	1.4	1.1	1.4	23
24	2.7	2.8	2.2	2.4	5.3	37	36	4	4.4	1.4	1.1	1.4	24
25	2.7	2.8	2.1	1.2	7.2	114	37	39	6.1	1.3	1.1	1.3	25
26	2.8	2.7	3.9	1.3	8.3	40	33	36	4.2	1.3	1.1	1.3	26
27	2.9	2.7	7.0	1.3	14	45 *	33	35	3.3	1.3	1.1	1.3	27
28	3.3	2.6	5.5	1.3	16	46	33	33	2.9	1.2	1.1	1.3	28
29	3.5	2.7	3.8	1.3		44	34	3[illegible]	2.7	1.1	1.1	1.3	29
30	3.5	2.8	3.9	1.4		41	34	29	2.5	1.1	1.1	1.2	30
31	3.8		3.8	1.4		39		28		1.0	1.1		31
MEAN	2.1	3.0	3.0	4.2	5.1	26.0	32.8	43.5	10.7	1.7	1.1	1.5	MEAN
MAX.	3.8	4.9	7.0	13.0	16.0	114	38.0	63.0	27.0	2.5	1.1	2.4	MAX.
MIN.	1.0	2.4	2.1	1.2	1.6	13.0	25.0	28.0	2.5	1.0	1.0	1.1	MIN.
AC. FT.	126	180	184	258	282	1601	1952	2672	636	106	66	90	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
11.3	435	3.79	03	25	0230	1.0	2.21	10	01	0000	8154

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M D B &M	CFS	GAGE HT	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 46 55	121 04 14	SW3 22N 17E	3520	9.16	1/24/70	OCT 70-DATE	OCT 70-DATE	1970		0.00	LOCAL

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

TABLE B-6

DIVERSIONS

This table includes diversion data on the Feather, Mokelumne, Sacramento, and Yuba Rivers. Data furnished by federal and local agencies are published as received from those agencies.

Additional diversion data not included in this table may be obtained from the Water Rights Division of the State Water Resources Control Board.

TABLE B-6 (Continued)
DIVERSIONS -- FEATHER AND YUBA RIVERS
October 1974 through September 1975

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	
					FEATHER RIVER										
--NICOLAUS BRIDGE--	9.2														
Hamatani Brothers	9.75R	1-20 1-30	0						66	2,583	2,763	2,769	2,786	1,455	12,442
--BEAR RIVER--															
Garden Highway Mutual Water Company	13.1R	2-20 1-24		471	64			53	331	3,734	3,255	3,299	2,737	1,044	14,988a
Feather Water District b	15.2R	3-14	32						254	1,182	1,563	2,099	1,467	562	7,159
Plumas Mutual Water Company	17.5L	2-18	313						250	2,361	2,955	3,108	2,000	1,882	12,869a
Tudor Mutual Water Company	18.4R	2-30 1-35	0						0	824	1,451	1,161	1,134	259	4,849
Feather Water District b	20.4R	4-26	158						478	2,670	3,761	3,825	2,174	1,116	14,182
Oswald Water District	21.4R	2-16	0						126	420	482	471	424	246	2,169
--YUBA RIVER--															
--GAGING STATION - FEATHER RIVER AT YUBA CITY--	28.0#														
--10TH STREET BRIDGE--	28.2														
City of Yuba City c	29.6R	3-20	437	233	228	217	198	217	273	567	680	738	738	584	5,110
Sutter Extension Water District d	38.1R	1-36 1-46 1-48	0						1,349	9,192	2,902	4,923	5,524	1,168	25,058
--HONCUT CREEK--	43.7L														
--FEATHER RIVER OUTLET AT THERMALITO AFTERBAY	58.2R														
--THERMALITO DIVERSION DAM--	65.6														
Western Canal Outlet at e Thermalito Afterbay	19/3-18D**	Gravity	33,144	36,145	18,768	6,196			1,720	43,211	43,296	47,898	42,193	10,312	282,883
Richvale Canal Outlet at e Thermalito Afterbay	19/3-18D**	Gravity	553						3,065	25,474	22,539	22,596	20,781	5,779	100,787
PG&E Outlet at Thermalito e Afterbay	19/3-19E**	Gravity								1,423	812	880	820	52	3,987
Sutter-Butte Canal Outlet e at Thermalito Afterbay	18/3-5B**	Gravity	40,672	0				129	35,077	111,572	97,768	98,560	91,043	45,075	519,896
--OROVILLE DAM--	70.4														
FEATHER RIVER, TOTAL DIVERSIONS			75,309	36,849	19,060	6,413	198	399	42,989	205,213	184,227	192,367	173,821	69,534	1,006,379

** 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 Includes an undetermined amount of spill to river.
b Records furnished by U. S. Bureau of Reclamation.
c Records furnished by City of Yuba City.
d Records furnished by Sutter Extension Water District.
e Records obtained from Report of Operations: California Water Project.

					YUBA RIVER										
--HIGHWAY 99E BRIDGE--	0.0														
--DAGUERRE POINT DAM--	11.0														
Hallwood Irrigation District	11.0R	Gravity	5,387						4,580	18,105	13,805	12,522	12,510	8,965	75,894
Cordua Irrigation District	11.0R	Gravity	10,910						3,344	14,010	14,140	16,150	15,690	4,411	78,655
Browns Valley Irrigation District	11.7R	1-24 1-16 1-12 1-6	1,562						500	4,140	4,235	3,890	3,402	612	18,341
--DRY CREEK--	13.1R														
--DEER CREEK--	21.8L														
--ENGLEBRIGHT DAM--	22.8														
YUBA RIVER, TOTAL DIVERSIONS			17,859						8,424	36,255	32,180	32,562	31,602	14,008	172,890

Diversions for the irrigation period April through September are measured under a cooperative agreement between the Department and the Yuba County Water Agency.

TABLE B-6 (Continued)

MISCELLANEOUS DIVERSIONS - SACRAMENTO RIVER - SACRAMENTO TO RED BLUFF *

October 1974 through September 1975

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.	
--TOWER BRIDGE - SACRAMENTO--	[illegible]														
--GAGING STATION - SACRAMENTO RIVER AT SACRAMENTO--	0.6L														
--AMERICAN RIVER--	1.1L														
Natomas Central Mutual Water Co.	2.15L		0						0	4	24	31	26	0	85
--STAGE STATION - SACRAMENTO RIVER AT SACRAMENTO WEIR	4.0R														
Natomas Central Mutual Water Co.	6.1L		346						202	1,976	1,719	2,166	1,746	851	8,807
Natomas Central Mutual Water Co.	7.5L		0						82	76	69	46	4	0	277
University of California	10.25L		0						0	17	162	171	194	0	544
Hanks, G. A. and Sons	11.1R		0						0	70	190	171	124	31	586
Woodland Farms, Ltd	12.0R		473						0	2,209	4,299	5,377	5,025	3,044	20,429
Natomas Central Mutual Water Co.	14.1L		18						70	2,275	2,239	2,569	2,598	1,278	11,047
Latter Day Saints Church	15.1R		0						0	20	1	156	95	0	272
Natomas Central Mutual Water Co.	16.0L		306						1,652	10,886	9,141	9,208	9,830	3,657	44,680
Hershey, Davidella, et al	16.27R		0						0	0	0	0	0	0	0
Deseret Farms of California	16.62R		0						17	35	65	120	96	0	333
Deseret Farms of California	17.0R		0						0	0	245	66	24	0	335
--CROSS CANAL - RECLAMATION DISTRICTS 1000 and 1001--	19.6L														
Natomas Central Mutual Water Co.	(1.0S) a		0						1,573	4,929	4,383	4,538	4,758	1,167	21,348
Natomas Central Mutual Water Co.	(2.0S) a		0						1,336	10,787	8,983	9,261	8,607	1,965	40,939
Pleasant Grove-Verona Mutual Water Company	(3.3N) a		0						96	2,382	1,651	1,655	1,892	536	8,212
Pleasant Grove-Verona Mutual Water Company	(3.45N)a		111						373	2,770	2,711	2,959	2,388	675	11,987
--FEATHER RIVER--	20.9L														
--SACRAMENTO SLOUGH--	21.2L														
Deseret Farms of California	22.5R		0						70	120	476	371	250	0	1,287
Furlan, Antonio, et ux.	26.8L		0						0	0	101	0	0	0	101
--STAGE STATION - SACRAMENTO RIVER AT FREMONT WEIR, WEST END	27.9R														
Hershey, Estate, (Wallace & Son)	28.1R		0						0	188	199	78	57	0	522
Furlan, Antonio, et ux.	28.2L		0						0	103	43	90	0	0	236
Wallace Construction Co., Inc.	29.7R		0						0	174	111	153	99	63	600
Furlan, Antonio, et ux.	30.5L		0						0	147	87	0	47	0	281
Wallace Construction Co., Inc.	30.7R		0						0	64	35	52	45	52	248
Wallace Construction Co., Inc.	32.1R		0						0	511	530	486	510	35	2,072
Sutter Mutual Water Co.	32.4L		0						286	3,390	3,555	3,354	3,278	1,747	15,610
MCM Properties	33.75L		0						0	193	87	170	268	135	853
--GAGING STATION - SACRAMENTO RIVER AT KNIGHTS LANDING--	34.0L														
River Garden Farms Co.	34.5R		0						885	4,221	4,467	3,749	3,921	992	18,235
Title Insurance and Trust Co.	35.2L		0						129	48	0	0	0	0	177
Sutter Mutual Water Co.	40.6L		0						1,239	7,654	7,086	6,088	6,416	1,639	30,122
River Garden Farms Co.	41.0R		0						127	1,046	1,160	1,043	1,039	399	4,816
Reclamation District No. 108	43.1R		0						175	7,986	7,742	7,597	7,237	242	30,979
River Garden Farms Co.	43.1R		0						930	1,318	692	698	298	68	4,004
Reclamation District No. 108	43.4R		0						0	112	113	115	56	59	455
Clauss, John, Jr., et al.	44.2L		0						0	0	0	0	0	0	0
Clauss, John, Jr., et al.	45.6L		0						0	0	0	121	0	0	121
Clauss, John, Jr., et al.	46.45L		0						290	638	254	245	46	0	1,473
Henle, John R., et ux.	46.5L		0						0	0	83	94	0	0	177
Oji, Masonobu, et al	48.7L		0						199	762	999	1,010	1,112	387	4,469
Miatt, Glenwood J., et al.	49.0L		0						36	123	356	97	48	0	660
Miatt, Glenwood J., et al.	49.7L		0						0	297	116	336	366	89	1,204
Reclamation District No. 108	51.1R		0						1,206	4,822	4,636	4,712	5,276	1,048	21,700
Leal and Montna	51.2L		0						63	811	946	1,040	184	0	3,044
Reclamation District No. 108	53.8R		0						249	1,414	1,183	2,212	1,890	387	7,335
Chaplin, May B., et al	55.1L		0						0	158	56	79	0	0	293

TABLE B-6 (Continued)
MISCELLANEOUS DIVERSIONS - SACRAMENTO RIVER - SACRAMENTO TO RED BLUFF *
October 1974 through September 1975

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	
Chaplin, May B., et al.	56.3L		0						[illegible]	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Reclamation District No. 108	56.4R		2						1,512	3,114	2,691	3,513	2,77[illegible]	62[illegible]	4,234
Chaplin, May B., et al.	56.95L		0						211	1,220	1,134	1,118	986	16[illegible]	4,83[illegible]
Felger Mutual Water Co.	57.25L		0						493	345	31	809	1,223	[illegible]	2,90[illegible]
Title Insurance and Trust Co.	58.3L		0						0	0	155	202	58	89	[illegible]04
Reclamation District No. 108	59.15R		0						0	328	335	292	[illegible]	[illegible]	[illegible].66
Larner, William A., et ux.	60.4L		33						278	639	564	662	499	18	2,69[illegible]
Reclamation District No. 108	61.05R		0						0	0	0	0	0	0	0
Reclamation District No. 108	61.2R		0						0	45	55	85	69	[illegible]	[illegible]
Reclamation District No. 108	62.3R		0						0	201	158	15[illegible]	187	63	2[illegible]
Reclamation District No. 108	62.6R		15						0	7	5	29	3	[illegible]	69
Reclamation District No. 108	63.2R		0						11,197	32,228	[illegible],914	24,853	19,190	2,681	[illegible]
Sutter Mutual Water Co.	63.75L		0						22,191	47,121	53,273	43,471	38,596	8,362	[illegible]
Oji Brothers Farm, Inc.	63.9L		0						0	307	223	461	[illegible]	[illegible]	[illegible]
--STAGE STATION - SACRAMENTO RIVER AT TISDALE WEIR--	64.2L														
Tisdale Irrigation and Drainage Co.	64.4L		0						103	470	492	511	408	146	[illegible]
Tisdale Irrigation and Drainage Co.	67.1L		0						241	1,647	1,549	1,333	1,189	492	6,45[illegible]
Winship, Alan D., et al.	67.1L		0						0	43	0	59	49	0	[illegible]
Newhall Land and Farming Co.	67.5L		0						580	1,082	1,724	494	92	0	3,972
Meridian Farms Water Co.	68.8L		0						0	0	0	0	0	0	0
Reclamation District No. 108	70.4R		39						839	1,274	1 305	1,246	1,187	[illegible]	[illegible]
Meridian Farms Water Co.	71.1L		0						919	1,648	1,548	1,565	1,626	294	7,600
Andreotti, Otterina, et al.	72.1L		0						67	891	720	851	819	301	3,649
Meridian Farms Water Co.	74.8L		0						319	1,031	936	1,026	909	142	4,363
Davis, Olive Percy, et al.	77.8R		0						27	282	115	397	385	[illegible]	[illegible]
Davis, Olive Percy, et al.	78.15R		275						1,915	2,535	3,382	3,327	3,104	421	14,959
Davis, Olive Percy, et al.	78.75R		185						361	748	668	635	663	505	3,765
Davis, Olive Percy, et al.	78.8R		0						873	2,237	2,414	1,744	1,820	[illegible]	9,142
Meridian Farms Water Co.	80.0L		0						1,759	4,087	4,228	4,463	3,914	831	19,282
Tomlinson, Fred L., et al.	81.5L		0						81	186	147	97	17	[illegible]	528
Tomlinson, Fred L., et al.	81.8L		0						0	0	18	14	16	0	48
Reclamation District No. 1004	85.3L		0						0	0	12	15	2	0	29
Swinford Tract Irrigation Co.	87.7R		0						0	78	71	57	37	0	243
Colusa Irrigation Co.	89.2R		0						0	260	281	243	106	82	972
Reclamation District No. 1004	89.25L		0						0	660	387	340	373	252	[illegible]
Roberts Ditch Irrigation Co., Inc.	90.7R		41						472	476	447	477	379	92	2,384
--STAGE STATION - SACRAMENTO RIVER AT COLUSA WEIR--	92.4L														
Lovvorn, Wilson M., et ux.	93.15R		0						5	187	111	120	17	[illegible]	440
Wilbur, Roger C.	95.25L		79						0	282	261	324	238	16	[illegible]
Lewis, Joan, et al.	95.6L		395						42	923	701	759	778	20[illegible]	[illegible]
Griffin, J. T., et al.	95.75L		0						16	65	22	151	209	104	[illegible]
Griffin, J. T., et al.	95.8L		0						0	829	720	444	283	0	2,276
Wells, Joyce	98.6L		0						95	239	279	104	101	140	958
Hunter Estate	98.6L		0						131	330	386	144	139	193	[illegible]
Sactane Mutual Water Co.	99.25L		0						0	978	637	829	984	70[illegible]	[illegible]
Forry, David	99.8L		150						124	376	549	589	597	16[illegible]	[illegible]
Forry, David	100.0L		0						0	0	68	15	87	[illegible]	[illegible]
Colusa Properties, Inc.	101.8L		0						0	120	58	290	111	[illegible]	[illegible]
Carter, Robert E.	102.9L		0						0	0	0	0	0	[illegible]	[illegible]
--STAGE STATION - SACRAMENTO RIVER AT HOULTON WEIR--	103.6R														
Maxwell Irrigation District	103.8R		88						695	1,703	1,386	1,[illegible]32	[illegible]	[illegible]	[illegible]
Zumwalt Orchards, Inc.	104.8L		0						0	64	[illegible]	117	[illegible]	[illegible]	[illegible]
Cannell, Fred, et al.	106.0R		0						0	215	264	185	0	[illegible]	[illegible]
Reclamation District No. 1004	112.1L		2,776						3,746	14,023	13,613	11,015	10,[illegible]	[illegible]385	6[illegible]30

TABLE B-6 (Continued)

MISCELLANEOUS DIVERSIONS - SACRAMENTO RIVER - SACRAMENTO TO RED BLUFF *

October 1974 through September 1975

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.	
Princeton-Codora-Glenn Irrigation District	112.4R		0						2,169	4,529	5,504	4,559	3,435	1,241	21,437
--GAGING STATION - SACRAMENTO RIVER AT BUTTE CITY--	115.8L														
Princeton-Codora-Glenn Irrigation District	123.9R		297						5,210	10,449	9,468	9,778	9,454	2,610	47,266
Provident Irrigation District	124.2R		2,290						6,748	9,923	12,333	10,441	6,895	2,105	50,735
--GAGING STATION - SACRAMENTO RIVER AT ORD FERRY--	130.8R														
M. & T., Incorporated	141.5L		38						45	186	169	504	719	226	1,887
--GAGING STATION - SACRAMENTO RIVER AT HAMILTON CITY--	149.5L														
Glenn-Colusa Irrigation District	154.8R		32,312						90,906	165,623	160,049	159,178	148,709	54,447	811,224
Provident Irrigation District	154.8R	Gravity	0						250	1,502	1,656	1,502	1,118	0	6,028
--RED BLUFF BRIDGE--	193.4S														
SACRAMENTO RIVER, TOTAL DIVERSIONS			40,271						166,006	392,472	390,321	369,306	336,261	103,609	1,798,246

* All data furnished by the U. S. Bureau of Reclamation. Quantities from November through March are not measured.

a Mile 19.6L Cross Canal. Distance from Sacramento River and bank are shown in parentheses.

TABLE B-6 (Continued)
DIVERSIONS - MOKELUMNE RIVER
October 1974 through September 1975

WATER USER	MILE AND BANK ABOVE NEW HOPE BRIDGE	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.	
						BELOW WOODBRIDGE DAM									
Albin G. Steffan	8.7R	1-12						NO DIVERSION							
	10.6R	1-16	101	14		19	44	51	572	583	523	552	539	255	3,258
	12.7R	1-12	112						535	705	648	571	583	218	3,372
Cranston Vineyards	12.71L	1-6									14	5			19
Mrs. Julie Blattler	15.5R	1-4	4								31	9			44
W. G. Taddei	15.6R	1-6							5	9	22	26	24		86
Mrs. Rose J. Kinde	16.8R	1-6								1	107	56	107	11	282
James Piazza	17.96R	1-6								28	38	72	31	37	206
Warren Hargrave	18.18L	1-7 1/2										5			5
--GAGING STATION - MOKELUMNE RIVER AT WOODBRIDGE--	19.2R														
--SACRAMENTO ROAD BRIDGE--	19.8														
--WOODBRIDGE IRRIGATION DISTRICT DAM--	19.9														
MOKELUMNE RIVER BELOW WOODBRIDGE DAM															
Total diversions			222	14		19	44	51	1,112	1,326	1,383	1,296	1,284	521	7,272
Average cubic feet per second			4	0		0	1	1	18	22	23	21	21	9	10

--WOODBRIDGE IRRIGATION DISTRICT DAM--	19.9					WOODBRIDGE DAM TO CAMANCHE DAM									
Woodbridge Irrigation District	19.9L	Gravity	8,070					684	4,270	17,040	18,580	20,160	19,040	11,630	99,474
Arthur J. Hoffman	21.85R	1-10	5						113	.67	23	12	14	10	244
C. N. Fillhardt	22.1R	1-6									3	3	4		10
James W. Baum	22.5R	1-5								1	2	5	3	1	12
Robert Peters	23.03R	1-3								1	2	2	1	1	7
Cecil Humbert	23.4R	1-4									28	22	59		109
--SOUTHERN PACIFIC RAILROAD BRIDGE--	23.6														
Occidental Petroleum Corporation	24.01L	1-4										28			28
	24.12L	1-1 1/2						NO DIVERSION							
--HIGHWAY 99 BRIDGE	24.2														
R. Vaccarezza	24.8L	1-5						NO DIVERSION							
Ray A. Mettler	25.2R	1-10							1		22	5	9		37
--CENTRAL CALIFORNIA TRACTION COMPANY BRIDGE--	25.6														
W. F. Johnson	26.3L	1-4								18	7		7		32
Richard Wagers	26.35L	1-2								1	3		1		5
Nakagawa Brothers	26.9R	1-5									12	12	29	34	87
James Gott e	27.5L	1-5								30	44	52			126
Rose Linde	27.6L	1-8								1	12		10		23
Cranston Vineyards	27.9L	1-10						3	179	104	22	28			336
Nakagawa Brothers	27.97R	1-8									6	9	7		22
Frankie G. Dick	28.59L	1-6						No Diversion							
Nakagawa Brothers	28.6R	1-6	6								42	9	62	38	157
	28.71R	1-4							6	2	3	8	7	7	33
Dr. R. Burley & Dr. R. Van Gelder	29.9R	1-8								35	29	19			83
Emil Bender	30.0L	1-10								4	3		1	3	11
--BRUELLA ROAD BRIDGE--	30.0														
A. Knoll	30.13L	1-8									4	12			16
V. W. Hoffman	30.15L	1-8	21						27	27	34	49	47	6	211
Hugh Davis	30.35R	1-6	3						89	24	23	25	20	1	185
J. J. Schmiedt	30.95L	1-7										46			46
Leon Kirschenmann	31.0L	1-8									44	22	7		73
V. W. Hoffman and Sons	31.45R	1-5							34		1				35
Sun-Bar Ranch	31.7L	1-5										22	27	69	118
John Graffigna Estate	31.8R	1-7							194		19	32			245
Lawrence Jones	32.29L	1-14						NO DIVERSION							

TABLE B-6 (Continued)
DIVERSIONS - MOKELUMNE RIVER
October 1974 through September 1975

WATER USER	MILE AND BANK ABOVE NEW HOPE BRIDGE	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 DAM TO CAMANCHE DAM (Continued)												
North San Joaquin Water Conservation District	32.3L	3-14 1-16 1-18	268					2	344	1,678	1,724	1,980	1,078	773	8,347
John Kavtz b	32.33R	1-6							28		13	23	13		77
William J. Lange	32.8R	1-1 1/2						NO DIVERSION							
Chester M. Locke	33.25L	1-10								68	8	15	117	308	516
Cranston Vineyards	33.45R 33.6R	1-8 1-8						NO DIVERSION	33	34	28	56	43		194
Mokelumne North Irrigation Assn., Inc.	33.69R	2-10 1-12								127	108	225	209	26	695
N. C. Locke	33.7L	1-12	2					236	19	81	213	186	1		738
T. and E. Schmierer	33.8R	1-4							19		13	12			44
Pritam Singh Dhaliwal	34.05R	1-4								14	12	8	8	1	43
Norman Knoll	34.1R 34.3R	1-4 1-4							30 20	36 31	42 26	19 13	21 15	4	148 109
--ELLIOTT ROAD BRIDGE--	34.35														
J. Null, J. Graham, and T. Hess	34.5R	1-4						NO DIVERSION							
Dr. O. D. Jacobsen	34.55L	1-10	2							20	19	14	22	19	96
Donald Smith	34.55L	1-1 1/2	1							2	2	1	1	1	8
Agri-Management	34.6R	1-5						NO DIVERSION							
H. Bava, D. Panella, and Dr. Barkett	34.75L	1-16		76			61	59	27	66	183	127	119	16	734
Agri-Management	35.14R	1-16					8	8	23	64	65	84	41	9	302
A. Paredes, M. Gresham, and R. Tucker	35.2L	1-8	37							54	97	79	43	41	351
El Rio Vineyards	35.31R	2-10	62	33			66	42	60	66	164	231	46	92	862
Manuel Machado	35.4L	1-8	5			29	4		7	7	4	106	46		208
R. O. Mehlhaff	35.7L 35.7L	1-6 1-8				9	8	13 8	19 5	85 4	91	91	59	59	434 17
I. N. Quessenberry	35.9L	1-7				8					36	38	34		116
Ferdie F. Sievers	36.0L	1-6	2						36	55	71	41	16	6	227
Ossie Parker	36.45L	1-12									146	144	7		297
J. R. Widerrich	36.75L	1-5								6	18	21	19	9	73
W. L. Moffat, et al	37.45R 37.65L	1-8 1-10							118		105 58	73 105	118 75	80	414 318
Harris Vineyards c	37.7R	1-12									11	12			23
Frank Lucchesi	38.0L 38.1L	1-6 1-8							16 31		15 36		14 40		43 107
R. and R. Sutter	38.3L	1-10							44	26	125	102	2	18	317
Ruben Goehring	38.5L	1-12						NO DIVERSION							
Clements Estate	39.0L	1-12	204	1					281	461	557	388	276	180	2,348
W. S. Magee Estate	39.25L	1-5								9	7	6	8	6	36
--OLD CLEMENTS BRIDGE--	39.3														
L. and T. Oeluca	39.59L	1-4							2			9			11
Bill Wakehan	39.6L	1-6	6							42	50	50	37	39	224
J. N. Henry	39.9R	1-6						NO DIVERSION							
Samuel West d	40.48L	1-2 1/2								18	28	18	15	12	91
Claude C. Wood Company	40.52L	1-6									25	28	34	18	105
W. Ostermann	40.53L	1-6						29		17	53	33	33	41	206
C. and A. Mehrten	40.72L	1-6								4	15	7	10	5	41
Harry Mason	40.83L	1-6						NO DIVERSION							
--HIGHWAY 88 BRIDGE--	41.00														
John Sutphin	41.14L	1-3								20	20	26			66
C. Fukuhara and R. Nakashima	41.14R	1-2 1-8									4 81	1 49	2 16	3 18	10 164
H. P. Lesage	41.23R	1-7 1/2			3				7	7	4	10			31
L. A. Rozzoni Estate	41.40L	1-10						NO DIVERSION							
Clarence Jones	42.11R	1-8	11	2				2	9	24	35	54	17	12	166
George W. Beggs	42.64L	1-6							6	24	61	64	31	38	224
P. W. Olivera	42.66R	1-3	7							17	10	16	11	20	81

TABLE B-6 (Continued)
DIVERSIONS - MOKELUMNE RIVER
October 1974 through September 1975

WATER USER	MILE AND BANK ABOVE NEW HOPE BRIDGE	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 DAM TO CAMANCHE DAM (Continued)												
George W. Beggs	42.97L	1-4	6						3	9	14	15	5	5	57
	42.99L	1-8	50	35					30	65	25	24	21	24	274
--CAMANCHE RECORDER - MOKELUMNE RIVER BELOW CAMANCHE DAM--	43.00														
P. W. Olivera	43.15R	1-4	6							13	7	15	13	16	70
--CAMANCHE DAM--															
MOKELUMNE RIVER, WOODBRIDGE DAM TO CAMANCHE DAM															
Total diversions			8,774	147	3	46	147	1,086	6,130	20,609	23,397	25,201	22,591	13,699	121,830
Average cubic feet per second			143	2	0	1	2	18	103	335	393	410	367	230	168

Note: All diversion data were furnished by the East Bay Municipal Utility District.

a Formerly listed as Mrs. James Gott

b Formerly listed as G. R. Kalange

c Formerly listed as Maria Costa et al

d Formerly listed as Dr. Donald L. Farrell

TABLE 8-7

DELIVERIES FROM FOLSOM AND NIMBUS RESERVOIRS
October 1974 through September 1975

Water User	Monthly Diversion in Acre-Feet												Total
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
City of Folsom a													
Total acre-feet	1,432	1,068	842	1,118	853	1,001	939	1,120	1,362	1,543	1,578	1,563	14,419
Average cubic feet per second	23	18	14	18	15	16	16	18	23	25	26	26	20
Monthly quantities in percent of seasonal	9.9	7.4	5.9	7.8	5.9	6.9	6.5	7.8	9.5	10.7	10.9	10.8	
City of Roseville a													
Total acre-feet	547	276	289	243	205	308	412	870	1,084	1,146	1,065	927	7,372
Average cubic feet per second	9	5	5	4	4	5	7	14	18	19	17	16	10
Monthly quantities in percent of seasonal	7.4	3.7	3.9	3.3	2.8	4.2	5.6	11.8	14.7	15.6	14.4	12.6	
Cordova Water Service													
Total acre-feet a	651	486	383	508	388	455	427	509	619	701	717	710	6,554
Average cubic feet per second	11	8	6	8	7	7	7	8	10	11	12	12	9
Monthly quantities in percent of seasonal	9.9	7.4	5.9	7.8	5.9	7.0	6.5	7.8	9.4	10.7	10.9	10.8	
San Juan Suburban Water Service													
Total acre-feet a	3,494	1,359	1,588	1,731	1,341	1,370	1,887	4,238	5,669	6,065	5,468	4,722	38,932
Average cubic feet per second	57	23	26	28	24	22	32	69	95	99	89	79	54
Monthly quantities in percent of seasonal	9.0	3.5	4.1	4.4	3.4	3.5	4.9	10.9	14.6	15.6	14.0	12.1	
State of California													
Total acre-feet a	84	57	23	82	99	112	112	127	135	140	126	108	1,205
Average cubic feet per second	1	1	0	1	2	2	2	2	2	2	2	2	2
Monthly quantities in percent of seasonal	7.0	4.7	1.9	6.8	8.2	9.3	9.3	10.5	11.2	11.6	10.5	9.0	

TABLE 8-8

IMPORTATIONS INTO NORTHEASTERN CALIFORNIA
October 1974 through September 1975

Water User	Monthly Diversion in Acre-Feet												Total
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
Clear Creek Powerplant a													
Total acre-feet	138,260	17,310	21,080	19,880	15,120	22,990	166,450	70,840	174,840	132,980	134,930	120,080	1,034,760
Average cubic foot per second	2,249	291	343	323	272	374	2,797	1,152	2,938	2,163	2,194	2,018	1,429
Monthly quantities in percent of seasonal	13.4	1.7	2.0	1.9	1.5	2.2	16.1	6.8	16.9	12.9	13.0	11.6	

TABLE 8-9

EXPORTATIONS FROM NORTHEASTERN CALIFORNIA
October 1974 through September 1975

Water User	Monthly Diversion in Acre-Feet												Total
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
MOKELUMNE RIVER													
East Bay Municipal Utility District b													
Total acre-feet	16,031	18,032	18,566	18,559	14,145	14,668	11,736	18,215	22,045	22,361	23,825	20,965	219,148
Average cubic foot per second	261	303	302	302	255	239	197	296	370	364	387	352	303
Monthly quantities in percent of seasonal	7.3	8.2	8.5	8.5	6.4	6.7	5.4	8.3	10.0	10.2	10.9	9.6	
PUTAH CREEK													
Putah South Canal a													
Total acre-feet d	14,305	2,198	1,555	1,730	1,225	3,414	18,395	38,297	40,362	38,395	36,851	25,797	222,524
Average cubic foot per second d	233	37	25	28	22	56	309	623	678	624	599	434	307
Monthly quantities in percent of seasonal	6.4	1.0	0.7	0.8	0.5	1.5	8.3	17.2	18.1	17.3	16.6	11.6	
CACHE SLOUGH													
City of Vallejo c													
Total acre-feet	1,422	1,252	1,159	1,106	984	1,289	1,140	1,333	1,367	1,455	1,497	1,415	15,419
Average cubic feet per second	23	21	19	18	18	21	19	22	23	24	24	24	21
Monthly quantities in percent of seasonal	9.2	8.1	7.5	7.2	6.4	8.4	7.4	8.6	8.9	9.4	9.7	9.2	
OLD RIVER													
Contra Costa Canal a													
Total acre-feet	6,036	4,235	3,650	4,138	4,602	4,503	5,768	6,875	9,929	10,745	10,518	8,150	79,146
Average cubic feet per second	98	71	59	67	83	73	97	112	167	175	171	137	109
Monthly quantities in percent of seasonal	7.6	5.4	4.6	5.2	5.8	5.7	7.3	8.7	12.5	13.6	13.3	10.3	
Delta-Mendota Canal a													
Total acre-feet	211,640	0	627	165,228	232,300	231,177	250,702	242,842	237,788	283,595	276,087	216,442	2,348,428
Average cubic feet per second	3,442	0	10	2,687	4,183	3,760	4,213	3,949	3,996	4,612	4,490	3,638	3,244
Monthly quantities in percent of seasonal	9.0	0	0.1	7.0	9.9	9.8	10.7	10.3	10.1	12.1	11.8	9.2	
California Aqueduct													
Total acre-feet	62,156	110,990	170,760	166,859	135,353	136,998	117,508	93,428	12,292	16,495	253,545	233,444	1,509,828
Average cubic feet per second	1,011	1,865	2,777	2,714	2,437	2,228	1,975	1,519	207	268	4,123	3,923	2,086
Monthly quantities in percent of seasonal	4.1	7.3	11.3	11.0	9.0	9.1	7.8	6.2	0.8	1.1	16.8	15.5	

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

TABLE B-10

MAXIMUM AND MINIMUM GAGE HEIGHTS

This table contains the historical maximum and the annual maximum and minimum gage heights for selected stations formerly reported in the "Daily Mean Heights" table.

Discharges corresponding to the reported maximum gage heights are included in the table. Due to possible changes in gage height-discharge relationships, the discharges may not be record or annual maximums. Discharges are rounded off in accordance with the procedures described in Table B-5, "Daily Mean Discharge".

Historic data include the location, period of record, gage height datum, and a brief description of each station.

TABLE 8-10 (Continued)

MAXIMUM AND MINIMUM GAGE HEIGHTS

Station Name: SACRAMENTO RIVER AT KESWICK — Station Number A21010 — Water Year: 1975

Location: LAT 40 36 04 LONG 122 26 36 NW Sec 28 T32N R5W MDB&M — Period of Record: 1938 to DATE

Historic:	Maximum Gage Height: *47.20	Discharge: *186,000 cfs	Date: 2-28-40	Time:	Zero of Gage: 495.01 USCGS
	32.20	78,900 cfs	1-24-70		479.81 USCGS
Water Year:	Maximum Gage Height: 24.52	Discharge: 37,600 cfs	Date: 3-19-75	Time: 2315	Zero of Gage: 479.81 USCGS
	Minimum Gage Height:		Date:	Time:	

* - Prior to regulation by Shasta Lake

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

Station Name: SACRAMENTO RIVER ABOVE BEND BRIDGE NEAR RED BLUFF — Station Number: A02788 — Water Year: 1975

Location: LAT 40 17 19 LONG 122 11 08 NE Sec 15 T28N R3W MDB&M — Period of Record: 1967 to DATE

Historic:	Maximum Gage Height: 36.60	Discharge: 157,000 cfs	Date: 1-24-70	Time:	Zero of Gage: 0.00 Local
Water Year:	Maximum Gage Height: 24.44	Discharge: 84,600 cfs	Date: 2-13-75	Time: 1130	Zero of Gage: 0.00 Local
	Minimum Gage Height:		Date:	Time:	

Station located 2.7 miles upstream from Bend Bridge, 8.1 miles NE of Red Bluff. Records furnished by USGS. Drainage area is 8,900 square miles.

Station Name: SACRAMENTO RIVER AT VINA BRIDGE — Station Number: A02700 — Water Year: 1975

Location: LAT 39 54 34 LONG 122 05 31 NE Sec 28 T24N R2W MDB&M — Period of Record: 1945 to DATE

Historic:	Maximum Gage Height: 91.48	Discharge: 171,000 cfs	Date: 1-24-70	Time: 0530	Zero of Gage: 100.00 USED
Water Year:	Maximum Gage Height: 85.26	Discharge: 106,600 cfs	Date: 2-13-75	Time: 1730	Zero of Gage: 97.15 USCGS
	Minimum Gage Height: 66.63	7,870 cfs	Date: 1-4-75	Time: 0400	

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

Station Name: SACRAMENTO RIVER AT HAMILTON CITY — Station Number: A02630 — Water Year: 1975

Location: LAT 39 45 07 LONG 121 59 43 NE Sec 20 T22N R1W MDB&M — Period of Record: 1927 to DATE

Historic:	Maximum Gage Height: *22.60	Discharge: 350,000 E cfs	Date: 2-28-40	Time:	Zero of Gage: 127.9 USED
	49.65	158,000 cfs	1-17-74	1415	100.0 USED
Water Year:	Maximum Gage Height: 44.99	Discharge: 103,00 cfs	Date: 2-13-75	Time: 2345	Zero of Gage: 96.5 USCGS
	Minimum Gage Height: 28.50	7,340 cfs	Date: 9-9-75	Time: 1930	

* - Prior to regulation by Shasta Lake

Station located at Gianella Bridge, State Highway 32, 1.0 mile NE of Hamilton City. The maximum discharges of record since February 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 December 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 April 1963. Drainage area, excluding Goose Lake Basin, is approximately 11,060 square miles.

Station Name: SACRAMENTO RIVER AT ORD FERRY — Station Number: A02570 — Water Year: 1975

Location: LAT 39 37 39 LONG 121 59 28 SE Sec 32 T21N R1W MDB&M — Period of Record: #1921 to DATE

Historic:	Maximum Gage Height: *121.70	Discharge: 370,000 cfs	Date: 2-28-40	Time:	Zero of Gage: 0.00 USED
	69.8	138,000 cfs	1-24-70		
Water Year:	Maximum Gage Height: 64.05	Discharge: 101,000 cfs	Date: 2-14-75	Time: 0715	Zero of Gage: 50.00 USED
	Minimum Gage Height: 47.27	7,690 cfs	Date: 9-10-75	Time: 0015	

\# - 1921 to 1941 Flood season only

* - Prior to regulation by Shasta Lake

Station located 0.1 mile 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 December 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 April 1963. Drainage area, excluding Goose Lake Basin, is approximately 12,480 square miles.

Station Name: SACRAMENTO RIVER AT BUTTE CITY — Station Number: A02500 — Water Year: 1975

Location: LAT 39 27 28 LONG 121 59 35 NE Sec 32 T19N R1W MDB&M — Period of Record: 1929 to DATE

Historic:	Maximum Gage Height: *96.87	Discharge: 170,000 cfs	Date: 2-7-42	Time:	Zero of Gage: 0.00 USED
Water Year:	Maximum Gage Height: 90.62	Discharge: 91,000 cfs	Date: 2-14-75	Time: 1330	Zero of Gage: 0.00 USED
	Minimum Gage Height:		Date:	Time:	

Station located at highway bridge, 0.5 mile S of Butte City. Maximum discharge of record listed is for period 1940 to date. Records furnished by USGS.

* - Prior to regulation by Shasta Lake

TABLE 8-1 (Continued)

MAXIMUM AND MINIMUM GAGE HEIGHTS

Station Name: SACRAMENTO RIVER AT COLUSA — Station Number: A02420 — Water Year: 1975

Location: LAT 39 12 51 LONG 121 59 57 NW Sec 29 T16N R1W MDB&M — Period of Record: 1919 to DATE

Historic:	Maximum Gage Height:	*69.20	Discharge: 49,000 cfs	Date: 2-8-42	Time:	Zero of Gage:	0.00 USED
		67.68	48,600 cfs	1-18-74			-3.0 USCGS
Water Year:	Maximum Gage Height:	65.15	Discharge: 41,400 cfs	Date: 2-14-75	Time: 2100	Zero of Gage:	-3.0 USCGS
	Minimum Gage Height:			Date:	Time:		

* - Prior to regulation by Shasta Lake

Station located just below bridge at Colusa. Maximum discharge of record listed is for period 1938 to date. Records furnished by USGS. Drainage area 12,096 square miles.

Station Name: CHEROKEE CANAL NEAR RICHVALE — Station Number: A02984 — Water Year: 1975

Location: LAT 39 27 53 LONG 121 44 37 NW Sec 34 T19N R2E MDB&M — Period of Record: 1960 to DATE

Historic:	Maximum Gage Height:	13.80	Discharge: 15,200 E cfs	Date: 10-13-62	Time:	Zero of Gage:	88.20 USCGS
Water Year:	Maximum Gage Height:	11.50	Discharge: 7,130 cfs	Date: 2-12-75	Time: 2115	Zero of Gage:	88.20 USCGS
	Minimum Gage Height:	1.81	.5 cfs	Date: 10-6-74	Time: 1400		

Station located at Butte City Road Bridge, 2.1 miles S of Richvale. Backwater from Cherokee Dam weir, 1.05 miles below station, at times affects the stage-discharge relationship. Weir has 13 bays and is operated by the Richvale Irrigation District.

Station Name: SACRAMENTO RIVER BELOW WILKINS SLOUGH — Station Number: A02280 — Water Year: 1975

Location: LAT 39 00 36 LONG 121 49 25 NE Sec 2 T13N R1E MDB&M — Period of Record: 1931 to DATE

Historic:	Maximum Gage Height:	*52.75	Discharge:	Date: 3-1-40	Time:	Zero of Gage:	0.00 USED
		50.72	29,300 cfs	1-26-70			-3.00 USCGS
Water Year:	Maximum Gage Height:	48.58	Discharge: 27,100 cfs	Date: 3-23-75	Time: 1830	Zero of Gage:	-3.00 USCGS
	Minimum Gage Height:			Date:	Time:		

* - Prior to regulation by Shasta Lake

Station located 0.3 mile below Wilkins Slough Pumping Plant of Reclamation District 108, 1.3 miles below Tisdale Weir, 6 miles SE of Grimes. Maximum discharge of record listed is for period 1938 to date. Records furnished by USGS.

Station Name: COLUSA BASIN DRAIN AT HIGHWAY 20 — Station Number: A02976 — Water Year: 1975

Location: LAT 39 11 44 LONG 122 03 34 NE Sec 34 T16N R2W MDB&M — Period of Record: 8/1924 to DATE

Historic:	Maximum Gage Height:	51.93	Discharge: 25,400 cfs	Date: 2-21-58	Time:	Zero of Gage:	0.00 USED
Water Year:	Maximum Gage Height:	48.14	Discharge: 2,470 cfs	Date: 2-13-75	Time: 1530	Zero of Gage:	0.00 USED
	Minimum Gage Height:	37.21	59.0 cfs	Date: 5-1-75	Time: 2030		

8 - 1924 to 1940 Irrigation season only

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

Station Name: COLUSA BASIN DRAIN AT KNIGHTS LANDING — Station Number: A02945 — Water Year: 1975

Location: LAT 38 47 58 LONG 121 43 27 SW Sec 14 T11N R2E MDB&M — Period of Record: 8/1924 to DATE

Historic:	Maximum Gage Height:	36.8	Discharge:	Date: 2-10-42	Time:	Zero of Gage:	0.00 USED
Water Year:	Maximum Gage Height:	29.36	Discharge: NA	Date: 2-14-75	Time: 1130	Zero of Gage:	0.00 USED
	Minimum Gage Height:	20.70	Discharge: 0.0	Date: 1-27-75	Time: 0415		

8 - 1924 to 1940 Irrigation season only

Station located at Knights Landing Outfall Gates, 0.3 mile W of Knights Landing. Tributary to Sacramento River. Flow regulated by outfall gates. An undetermined amount of flow is diverted to Yolo Bypass via Ridge Cut at Knights Landing. For total flow to Sacramento River, combine with the flows of Reclamation District 787 to Colusa Basin Drain.

Station Name: SACRAMENTO RIVER AT KNIGHTS LANDING — Station Number: A02200 — Water Year: 1975

Location: LAT 38 48 11 LONG 121 42 55 NE Sec 14 T11N R2E MDB&M — Period of Record: 1919 to DATE

Historic:	Maximum Gage Height:	41.83	Discharge:	Date: 2-8-42	Time:	Zero of Gage:	-3.02 USCGS
Water Year:	Maximum Gage Height:	37.29	Discharge: 27,200 cfs	Date: 3-25-75	Time: 1700	Zero of Gage:	-3.02 USCGS
	Minimum Gage Height:			Date:	Time:		

Station located just above the Southern Pacific Railroad Bridge, 13.1 miles 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. Drainage area 14,541 square miles.

TABLE B-10 (Continued)

MAXIMUM AND MINIMUM GAGE HEIGHTS

Station Name: BUTTE SLOUGH NEAR MERIDIAN — Station Number: A02972 — Water Year: 1975

Location: LAT 39 10 20 LONG 121 54 02 NE Sec 7 T15N R1E MDB&M — Period of Record: #1934 to DATE

Historic:	Maximum Gage Height: 61.64	Discharge: 150,000 cfs	Date: 1-26-70	Time: 0000	Zero of Gage: 0.00 USED
Water Year:	Maximum Gage Height: 55.18	Discharge: 36,900 cfs	Date: 3-24-75	Time: 0245	Zero of Gage: 0.00 USED
	Minimum Gage Height: 40.00	132 cfs	Date: 9-22-75	Time: 1745	

- 1934 to 1937 Flood season only

Station located on right bank 0.3 mile upstream from Farmlan Road, 2.0 miles 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.

Station Name: WADSWORTH CANAL NEAR SUTTER — Station Number: A05929 — Water Year: 1975

Location: LAT 39 09 12 LONG 121 44 00 NE Sec 15 T15N R2E BDB&M — Period of Record: 1961 to DATE

Historic:	Maximum Gage Height: 53.62	Discharge: NA	Date: 1-26-70	Time:	Zero of Gage: 0.00 USED
Water Year:	Maximum Gage Height: 47.97	Discharge: NA	Date: 2-12-75	Time: 2000	Zero of Gage: 0.00 USED
	Minimum Gage Height: 37.71	NA	Date: 1-31-75	Time: 1415	

Station located at South Butte Road Bridge, 0.9 mile E of Sutter. Tributary to Sutter Bypass. This station and one 2.2 miles 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.

Station Name: YUBA RIVER NEAR MARYSVILLE — Station Number: A06150 — Water Year: 1975

Location: LAT 39 10 33 LONG 121 31 26 — Period of Record: 1940 to DATE

Historic:	Maximum Gage Height: 90.15	Discharge: 180,000 cfs	Date: 12-22-64	Time:	Zero of Gage: -2.95 USCGS
Water Year:	Maximum Gage Height: 67.12	Discharge: 10,900 cfs	Date: 3-25-75	Time: 0730	Zero of Gage: -2.95 USCGS
	Minimum Gage Height:		Date:	Time:	

Station located 5 miles below Dry Creek, 4.2 miles northeast of Marysville. Maximum discharge listed for period 1943 to date. Records furnished by U. S. Geological Survey. Drainage area is 1,339 square miles.

Station Name: BEAR RIVER NEAR WHEATLAND — Station Number: A06550 — Water Year: 1975

Location: LAT 39 00 01 LONG 121 24 21 SW Sec 3 T13N R5E MDB&M — Period of Record: 1928 to DATE

Historic:	Maximum Gage Height: 19.30	Discharge: 33,000 cfs	Date: 12-22-55	Time:	Zero of Gage: 78.92 USCGS
Water Year:	Maximum Gage Height: 13.05	Discharge: 8,900 cfs	Date: 3-25-75	Time: 1400	Zero of Gage: 71.92 USCGS
	Minimum Gage Height:		Date:	Time:	

Station located 100 feet below U. S. Highway 99E bridge, 1 mile southeast of Wheatland. Tributary to Feather River. Flow regulated by Camp Far West Reservoir. Records furnished by U. S. Geological Survey. Drainage area is 292 square miles.

Station Name: AMERICAN RIVER AT FAIR OAKS — Station Number: A07175 — Water Year: 1975

Location: LAT 38 38 08 LONG 121 13 36 NE Sec 17 T9N R7E MDB&M — Period of Record: 1904 to DATE

Historic:	Maximum Gage Height: 31.85	Discharge: 180,000 cfs	Date: 11-21-50	Time:	Zero of Gage: 64.79 USCGS
Water Year:	Maximum Gage Height: 9.85	Discharge: 8,450 cfs	Date: 3-25-75	Time: 1700	Zero of Gage: 71.53 USCGS
	Minimum Gage Height:		Date:	Time:	

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 U. S. Geological Survey. Drainage area is 1,888 square miles.

Station Name: CACHE CREEK AT YOLO — Station Number A08125 — Water Year: 1975

Location: LAT 38 43 31 LONG 121 48 22 — Period of Record: 1903 to DATE

Historic:	Maximum Gage Height: 85.35	Discharge: 41,400 cfs	Date: 2-25-58	Time:	Zero of Gage: 52.27 USCGS
Water Year:	Maximum Gage Height: 69.71	Discharge: 15,000 cfs	Date: 3-22-75	Time: 0630	Zero of Gage: 0.00 USCGS
	Minimum Gage Height:		Date:	Time:	

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.

TABLE B-10 (CONTINUED)

MAXIMUM AND MINIMUM GAGE HEIGHTS

Station Name: YOLO BYPASS NEAR WOODLAND — Station Number: A02935 — Water Year: 1975

Location: LAT 38 40 40 LONG 121 38 35 SE Sec 28 T10N R3E MBD&M — Period of Record: 1939 to DATE

Historic:	Maximum Gage Height: 32.00	Discharge: 272,000 cfs	Date: 2-8-42	Time		Zero of Gage: -3.41 USCGS
Water Year:	Maximum Gage Height: 25.70	Discharge: 36,500 cfs	Date: 3-25-75	Time: 1530		Zero of Gage: -3.41 USCGS
	Minimum Gage Height:		Date:	Time:		

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 effected by tidal action. Records furnished by U. S. Geological Survey.

Station Name: PUTAH CREEK NEAR WINTERS — Station Number: A91250 — Water Year: 1975

Location: LAT 38 30 55 LONG 122 04 51 NE Sec 28 T8N R2W MDB&M — Period of Record: 1930 to DATE

Historic:	Maximum Gage Height: 30.50	Discharge: 81,000 cfs	Date: 2-27-40	Time:		Zero of Gage: 160.75 USCGS
Water Year:	Maximum Gage Height: 12.98	Discharge: 3,870 cfs	Date: 3-25-75	Time: 1315		Zero of Gage: 160.75 USCGS
	Minimum Gage Height:		Date:	Time:		

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.

Station Name: MOKELUMNE RIVER AT WOODBRIDGE — Station Number: B02105 — Water Year: 1975

Location: LAT 38 09 31 LONG 121 18 09 NE Sec 34 T4N R6E MDB&M — Period of Record: 1924 to DATE

Historic:	Maximum Gage Height: 29.58	Discharge: 27,000 cfs	Date: 11-22-50	Time:		Zero of Gage: 14.90 USCGS
Water Year:	Maximum Gage Height: 13.05	Discharge: 1,630 cfs	Date: 3-28-75	Time: 0930		Zero of Gage: 14.90 USCGS
	Minimum Gage Height:		Date:	Time:		

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.

Station Name: COSUMNES RIVER AT MICHIGAN BAR — Station Number: B11150 — Water Year: 1975

Location: LAT 38 30 01 LONG 121 02 39 SE Sec 36 T8N R8E MDB&M — Period of Record: 1907 to DATE

Historic:	Maximum Gage Height: 14.59	Discharge: 42,000 cfs	Date: 12-23-55	Time:		Zero of Gage: 168.09 USCGS
Water Year:	Maximum Gage Height: 8.53	Discharge: 11,000 cfs	Date: 3-25-75	Time: 1030		Zero of Gage: 168.09 USCGS
	Minimum Gage Height:		Date:	Time:		

Station located on highway bridge, 5.5 miles southwest of Latrobe. Flow partly regulated by Jenkinson Lake. Records furnished by the U. S. Geological Survey. Drainage area is 536 square miles.

Station Name: COSUMNES RIVER AT MCCONNELL — Station Number: B01125 — Water Year: 1975

Location: LAT 38 21 29 LONG 121 20 34 SW Sec 20 T6N R6E MDB&M — Period of Record: 1941 to DATE

Historic:	Maximum Gage Height: 46.26	Discharge: 54,000 cfs	Date: 12-23-55	Time:		Zero of Gage: -3.34 USCGS
Water Year:	Maximum Gage Height: 42.79	Discharge: 7,600 cfs	Date: 3-26-75	Time: 0730		Zero of Gage: -3.34 USCGS
	Minimum Gage Height:		Date:	Time:		

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.

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

WATER YEAR	STATION NO.	STATION NAME
1975	A02445	SACRAMENTO RIVER AT MOULTON WEIR

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					77.12								13
14					78.70								14
15					77.15								15
16					78.01								16
17													17
18													18
19						76.87							19
20						77.93							20
21						77.86							21
22						77.94							22
23						78.80							23
24						77.32							24
25						77.22							25
26						78.54							26
27						77.85							27
28													28
29													29
30													30
31													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
2-14-75	1800	79.28	3-23-75	0500	79.25						

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	2/7/42	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) are not indicative of flow over weir.

- Flood season only.

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

WATER YEAR	STATION NO.	STATION NAME
1975	AC2450	SACRAMENTO RIVER OPPOSITE MOULTON WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	57.68	59.40	59.41	57.99	58.38	61.46	64.97	62.12	61.11	58.75	58.29	58.66	1
2	57.65	59.25	59.40	57.81	63.69	61.48	63.90	62.21	61.12	58.70	58.34	58.71	2
3	57.61	58.73	59.75	57.72	64.82	61.71	62.98	62.19	61.02	58.69	58.32	58.78	3
4	57.67	58.19	64.03	57.65	61.27	61.58	62.55	62.71	60.86	58.64	58.37	58.51	4
5	57.66	57.75	64.80	57.61	61.58	61.27	62.81	62.83	60.91	58.61	58.29	58.16	5
6	57.65	57.49	61.18	57.72	60.75	61.12	63.49	62.55	61.01	58.66	58.26	57.73	6
7	57.62	57.45	60.31	59.88	62.30	61.82	63.26	62.53	61.18	58.64	58.34	57.30	7
8	57.60	57.61	59.99	60.38	67.72	71.81	62.88	62.44	61.02	58.61	58.28	57.21	8
9	57.59	58.14	59.86	62.86	71.66	75.33	63.38	62.47	60.81	58.54	58.25	57.22	9
10	57.67	58.78	59.77	60.18	73.30	74.53	62.89	62.58	60.63	58.51	58.25	57.26	10
11	57.61	59.23	59.68	59.09	68.64	73.34	62.42	62.73	60.52	58.50	58.31	57.42	11
12	57.61	59.27	59.69	58.59	65.30	71.60	62.00	62.77	60.45	58.46	58.27	57.51	12
13	57.62	59.35	59.68	58.30	72.85	69.94	62.20	62.81	60.39	58.46	58.32	57.55	13
14	57.67	59.37	59.74	58.13	78.91	69.17	62.32	62.91	60.29	58.45	58.22	57.53	14
15	57.65	59.34	59.76	58.00	76.82	68.76	62.90	63.14	60.26	58.46	58.23	57.55	15
16	57.62	59.39	59.70	57.92	71.48	68.04	62.35	63.25	60.31	58.62	58.24	57.58	16
17	57.56	59.38	59.67	57.83	69.15	68.41	61.40	63.12	60.26	58.70	58.27	57.57	17
18	57.55	59.40	59.44	57.75	67.96	68.97	61.31	63.01	60.14	58.62	58.43	57.57	18
19	57.54	59.42	58.94	57.72	66.68	74.99	61.14	63.06	60.03	58.54	58.57	57.61	19
20	57.86	59.41	58.62	57.69	67.02	77.94	61.16	63.09	59.79	58.49	58.83	57.63	20
21	58.36	59.45	58.56	57.66	68.39	77.89	60.91	62.52	59.61	58.47	58.71	57.67	21
22	58.57	59.48	58.48	57.63	66.73	77.98	60.55	62.00	59.33	58.44	58.58	57.71	22
23	58.63	59.53	58.43	57.61	65.48	79.08	60.58	61.78	59.15	58.38	58.52	57.70	23
24	58.24	59.47	58.38	57.56	64.79	76.60	60.74	61.49	59.09	58.32	58.47	57.68	24
25	57.74	59.46	58.36	57.57	64.36	76.37	62.03	61.36	59.07	58.34	58.47	57.68	25
26	57.70	59.45	58.17	57.58	63.69	78.77	63.22	61.31	59.03	58.45	58.45	57.71	26
27	57.73	59.57	57.83	57.54	62.79	77.44	62.47	61.19	59.01	58.36	58.47	57.73	27
28	57.98	59.46	60.94	57.53	61.87	73.58	61.85	61.15	58.93	58.35	58.49	57.87	28
29	58.27	59.42	61.82	57.52		71.17	61.45	61.14	58.82	58.33	58.54	57.93	29
30	58.58	59.42	58.93	57.48		68.99	61.63	61.12	58.79	58.43	58.60	57.90	30
31	58.94		58.23	57.48		66.72		61.12		58.29	58.68		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
2-14-75	1800	79.63	3-23-75	0545	79.67						

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		
39 20 13	122 01 50	SW12 17N 2W		85.5	2/7/42 12/24/64	MAR 54-DATE ‡	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.

‡ - Irrigation season only.
# - Flood season only.

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

WATER YEAR	STATION NO.	STATION NAME
1975	A02430	SACRAMENTO RIVER AT COLUSA WEIR

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						63.52							8
9					62.90	64.41							9
10					63.81	64.17							10
11					62.33	63.61							11
12						62.96							12
13					62.88	62.33							13
14					65.98	61.94							14
15					65.42	61.85							15
16					63.05								16
17					62.04								17
18						62.45							18
19						64.04							19
20						65.41							20
21						65.61							21
22						65.42							22
23						66.07							23
24						65.04							24
25						64.71							25
26						65.72							26
27						65.41							27
28						63.73							28
29						62.71							29
30						62.05							30
31													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
2-14-75	2200	66.40	3-9-75	2400	64.52	3-23-75	0830	66.25			

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 12	121 59 38	SE17 16N 1W		70.6	3/1/40	JAN 40-DATE #	JAN 35-DATE #			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 indicative of flow over weir.

- Flood season only.

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

WATER YEAR	STATION NO.	STATION NAME
1975	A02380	SACRAMENTO RIVER AT MERIDIAN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			NR	39.92	39.14	45.03	51.63	45.12	44.01	40.69	39.73	40.49	1
2			NR	39.55	43.93	44.81	49.81	45.46	44.00	40.61	39.68	40.51	2
3			NR	39.28	50.28	44.96	48.07	45.47	43.98	40.53	39.[illegible]7	40.[illegible]7	3
4			NR	39.09	46.95	45.03	46.91	45.85	43.89	40.45	39.66	40.62	4
5			NR	38.95	45.28	44.72	46.74	46.48	43.79	40.37	39.64	40.27	5
6			NR	38.98	44.70	44.41	47.56	46.18	43.76	40.30	39.62	39.83	6
7			NR	40.49	45.09	44.72	48.00	45.90	43.91	40.26	39.59	39.25	7
8			NR	42.59	50.56	52.41	47.25	45.91	43.98	40.25	39.58	38.86	8
9			NR	45.55	55.78	57.71	47.43	45.82	43.88	40.22	39.56	38.75	9
10	N	N	NR	44.49	57.22	57.71	47.48	45.97	43.69	40.16	39.55	38.75	10
11	O	O	NR	42.07	55.50	57.20	46.62	46.21	43.48	40.11	39.58	38.92	11
12			NR	40.93	52.15	56.67	45.98	46.34	43.27	40.06	39.51	39.02	12
13			NR	40.31	54.75	55.97	45.77	46.42	43.09	40.02	39.58	39.15	13
14	R	R	NR	39.94	58.91	55.50	46.10	46.49	42.93	39.99	39.56	39.18	14
15			NR	39.67	58.89	55.20	46.54	46.76	42.79	39.96	39.54	39.18	15
	E	E											
16			NR	39.49	56.83	54.53	46.81	47.10	42.69	39.95	39.52	39.21	16
17	C	C	NR	39.33	55.58	54.57	45.30	47.10	42.04	40.08	39.54	39.20	17
18			NR	39.15	54.56	54.59	44.66	46.96	42.57	40.16	39.75	39.16	18
19	O	O	NR	39.09	53.32	57.38	44.50	46.86	42.45	40.16	39.92	39.08	19
20			40.46	39.06	52.53	58.71	44.29	46.95	42.31	40.13	40.34	39.07	20
	R	R											
21			40.23	39.10	54.55	59.07	44.11	46.74	42.10	40.10	40.53	39.08	21
22	D	D	40.11	39.08	53.40	58.82	43.51	45.72	41.90	40.08	40.49	39.11	22
23			40.01	39.05	51.79	59.47	43.32	45.09	41.65	40.04	40.43	39.13	23
24			39.93	39.03	50.63	58.70	43.39	44.70	41.41	39.98	40.38	39.13	24
25			39.88	39.02	49.73	58.20	44.29	44.39	41.24	39.93	40.32	39.11	25
26			39.78	39.02	48.88	59.01	46.75	44.33	41.12	39.91	40.27	39.08	26
27			39.36	38.95	47.57	58.97	46.41	44.26	41.02	39.90	40.23	39.04	27
28			40.61	38.83	46.09	57.62	45.41	44.18	40.95	39.88	40.20	39.06	28
29			46.08	38.76		56.61	44.70	44.13	40.87	39.84	40.19	39.17	29
30			42.71	38.71		55.65	44.49	44.10	40.78	39.81	40.24	39.24	30
31			40.67	38.71		53.82		44.05		39.78	40.42		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
2-15-75	0145	59.53	3-23-75	1145	59.62						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & R M.O.B.&M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT	DATE			FROM	TO		
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-OCT 69	1915-OCT 69 DEC 74-DATE			5.00	USED

Station located 190 ft. below Meridian Bridge, State Highway 20, immediately NW of Meridian. Recorder reinstalled December 1974 for stage only.

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

WATER YEAR	STATION NO.	STATION NAME
1975	A02301	SACRAMENTO RIVER AT TISDALE WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1							46.03						1
2													2
3													3
4													4
5													5
6													6
7													7
8					46.16	47.05							8
9					47.35	47.92							9
10					47.91	47.96							10
11					47.54	47.86							11
12					46.38	47.77							12
13					46.94	47.59							13
14					48.57	47.45							14
15					48.61	47.34							15
16					47.97	47.11							16
17					47.58	47.06							17
18					47.27	47.04							18
19					46.85	47.77							19
20					46.41	48.22							20
21					47.09	48.43							21
22					46.77	48.41							22
23					46.05	48.72							23
24					45.54	48.50							24
25						48.19							25
26						48.39							26
27						48.45							27
28						48.10							28
29						47.79							29
30						47.52							30
31						46.94							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
2-15-75	0515	48.84	3-23-75	1615	48.78						

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

Station located west of north end of weir, 5.0 mi. SE of Grimes. Gage heights below weir crest (elevation 45.45 ft.) are not indicative of flow over weir.

- Flood season only.

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

WATER YEAR	STATION NO.	STATION NAME
1975	A02971	BUTTE SLOUGH AT MAWSON BRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1		43.16	43.97	43.12	41.89	46.64	49.96	44.17	45.66	42.73	42.78	43.[illegible]	1
2		43.48	44.00	42.67	44.69	46.42	49.00	43.53	45.65	42.37	42.83	43.73	2
3		43.08	44.31	42.28	46.97	46.45	48.38	42.72	45.57	42.23	42.96	43.85	3
4		42.48	45.50	41.86	47.25	46.49	47.93	42.65	45.46	42.39	43.01	4[illegible].91	4
5		41.93	47.10	41.75	47.49	46.28	47.66	42.43	45.45	42.90	43.05	43.63	5
6		41.76	47.11	41.75	47.98	46.07	47.52	42.12	45.49	43.10	43.04	43.47	6
7		41.7[illegible]	46.33	42.36	47.99	46.25	47.33	41.83	45.61	43.24	43.08	43.11	7
8		41.76	45.74	44.21	48.41	46.87	47.23	41.83	45.51	43.01	43.11	42.9[illegible]	8
9		41.79	45.40	45.11	48.60	50.78	47.12	42.23	45.26	42.84	43.07	43.09	9
10	N	42.25	45.09	45.52	51.56	53.26	47.03	42.63	44.94	42.85	42.83	43.19	10
11	O	42.99	44.74	44.50	52.66	53.53	46.96	43.05	44.61	42.86	42.79	43.23	11
12		43.25	44.42	43.57	51.90	53.16	46.83	43.60	43.99	42.90	42.73	43.15	12
13		43.35	44.18	43.00	51.74	52.21	46.69	44.03	43.29	43.00	42.75	43.22	13
14	R	43.40	44.03	42.67	54.69	51.19	46.55	44.05	42.98	42.99	42.83	43.2[illegible]	14
15	E	43.41	43.99	42.37	56.54	50.09	46.41	43.83	43.01	42.9[illegible]	42.87	43.24	15
16		43.41	43.92	42.16	55.74	49.32	46.37	43.81	43.37	42.92	42.97	43.18	16
17	C	43.44	43.85	41.92	53.93	48.69	46.28	44.16	43.44	43.13	42.99	43.04	17
18		43.46	43.67	41.76	52.35	48.35	46.02	44.62	43.38	43.26	42.78	42.56	18
19	O	43.55	43.19	41.75	51.09	49.88	45.88	45.06	43.39	43.28	42.90	42.24	19
20		43.63	42.47	41.83	50.34	53.46	45.69	45.92	43.39	43.24	43.09	42.17	20
21	R	43.69	42.11	42.18	49.46	55.09	45.54	46.36	43.30	42.98	43.26	42.12	21
22	D	43.73	42.00	42.22	48.82	55.85	45.05	46.56	43.16	42.88	43.11	42.08	22
23		43.82	41.91	42.21	48.38	56.75	44.79	46.34	42.87	42.77	43.13	42.07	23
24		43.88	41.85	42.33	48.05	56.82	44.61	46.05	42.70	42.75	43.05	41.90	24
25		43.86	41.84	42.42	47.77	56.19	44.72	45.83	42.71	42.75	43.05	41.81	25
26		43.89	41.81	42.27	47.51	56.03	45.21	45.85	42.73	42.78	43.06	41.80	26
27		43.99	41.76	42.01	47.31	56.63	45.61	45.79	42.74	42.73	43.09	41.79	27
28		44.03	42.27	41.78	47.10	55.87	45.47	45.73	42.78	42.59	43.10	41.76	28
29		43.98	45.53	41.75		54.31	45.04	45.72	42.73	42.46	43.13	41.75	29
30		43.97	45.19	41.75		52.73	44.62	45.71	42.65	42.75	43.28	41.75	30
31	42.59		43.94	41.75		51.37		45.69		42.84	43.53		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
2-15-75	1500	56.75	3-24-75	0300	57.15						

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 14	121 54 28	SE31 16N 1E				JAN 39-SEP 66	NOV 34-MAY 37 # OCT 37-SEP 66 JAN 73	1934		0.00	USED

Station located at West Butte-Meridian Highway bridge, 3.0 mi. N of Meridian. Tributary to Sutter Bypass. During flood periods, Sacramento River water enters Butte Basin above Butte City by bank spill and spill over Moulton and Colusa Weirs. Stage only, for flow figures - see Butte Slough near Meridian.

- Flood season only.

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

WATER YEAR	STATION NO.	STATION NAME
1975	A02927	SUTTER BYPASS AT RECLAMATION DISTRICT 1500 PUMPING PLANT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	17.41	16.91	21.42	18.43	16.08	21.54	31.23	20.28	19.26	15.56	17.11	18.91	1
2	17.41	17.24	21.42	17.61	20.12	20.46	29.31	20.22	19.20	15.26	17.19	18.83	2
3	17.21	17.27	21.56	17.08	24.95	19.91	27.82	20.51	19.41	15.23	17.21	19.03	3
4	17.24	16.82	21.98	16.85	26.20	19.81	26.60	20.88	19.53	15.26	17.09	19.27	4
5	17.38	16.19	23.76	16.72	25.75	19.80	25.37	21.19	19.67	15.31	17.26	19.24	5
6	17.41	15.69	24.99	16.71	24.40	19.68	24.49	21.59	20.26	15.40	17.17	19.01	6
7	17.38	15.29	24.40	17.10	22.98	19.70	23.99	21.32	20.92	15.46	17.14	19.14	7
8	17.34	15.30	23.44	18.72	22.56	21.40	23.49	20.97	21.53	15.51	17.12	18.98	8
9	17.39	15.38	22.71	20.09	24.80	25.49	22.87	20.85	21.69	15.47	17.12	18.38	9
10	17.39	15.63	22.20	20.98	27.55	27.79	22.59	21.01	21.67	15.28	17.20	18.61	10
11	17.48	15.99	21.31	20.23	29.39	30.27	22.24	21.44	21.39	15.25	17.00	18.80	11
12	17.48	16.55	20.26	19.28	30.06	31.59	21.65	21.64	20.90	15.65	16.90	18.90	12
13	17.53	16.85	19.72	18.26	31.11	31.89	21.11	22.00	20.38	16.39	16.83	18.91	13
14	17.39	17.06	19.43	17.53	34.00	31.66	20.77	22.26	19.75	16.70	16.87	18.81	14
15	17.44	18.16	18.90	16.96	34.56	30.98	20.76	22.42	19.38	16.81	16.90	18.66	15
16	17.37	18.67	18.64	16.54	34.69	30.25	20.92	22.54	18.95	16.91	16.97	18.48	16
17	17.35	18.80	18.56	16.25	34.02	29.54	20.62	22.64	18.88	17.21	17.14	18.27	17
18	17.30	18.83	18.46	16.11	33.08	28.93	19.98	22.56	18.44	17.54	17.35	18.28	18
19	17.17	18.96	18.26	15.90	31.76	28.64	19.64	22.38	17.85	17.38	17.76	18.14	19
20	17.20	19.07	17.87	15.93	30.48	29.29	19.44	22.63	17.46	17.30	18.12	18.22	20
21	17.30	19.24	17.52	16.38	29.45	31.08	19.17	23.19	17.15	17.34	18.38	17.67	21
22	17.66	19.94	17.36	16.36	28.90	33.92	18.85	22.76	16.95	17.42	18.50	17.17	22
23	17.95	20.48	17.15	16.34	28.25	34.76	18.39	21.81	16.66	17.60	18.39	16.94	23
24	17.89	20.69	16.99	16.18	27.36	34.93	18.41	20.64	16.36	17.61	18.31	16.83	24
25	17.10	20.88	16.94	16.04	26.35	35.03	18.76	19.68	16.21	17.45	18.08	16.73	25
26	15.93	21.02	16.97	15.99	25.27	35.07	19.69	19.34	16.33	17.49	18.19	16.54	26
27	15.61	21.19	16.92	15.83	24.09	34.91	20.54	19.01	16.33	17.56	18.13	16.45	27
28	15.73	21.35	17.23	15.66	22.86	34.75	20.75	19.29	15.90	17.18	18.16	16.39	28
29	16.09	21.39	19.34	15.56		34.30	20.78	19.45	15.74	17.22	18.30	16.42	29
30	16.30	21.39	20.35	15.28		33.64	20.55	19.34	15.57	17.11	18.39	16.47	30
31	16.55		19.56	15.27		32.76		19.36		17.13	18.71		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
3-25-75	1630	35.13									

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		
							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
1975	A02170	SACRAMENTO RIVER AT FREMONT WEIR, WEST END

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	18.60	18.83	22.51	19.75	17.54	22.74	32.40	21.66	20.67	16.76	18.02	19.93	1
2	18.64	19.35	22.51	19.01	21.07	22.05	29.90	21.79	20.53	16.74	18.09	19.94	2
3	18.45	19.36	22.60	18.52	26.77	21.78	27.80	22.05	20.67	16.69	18.11	20.08	3
4	18.49	18.79	23.16	18.29	27.56	21.85	26.31	22.44	20.70	16.74	18.01	20.23	4
5	18.59	18.04	25.87	18.17	26.13	21.81	25.06	22.88	20.80	16.68	18.12	20.15	5
6	18.64	17.41	26.72	18.12	24.57	21.67	24.95	23.24	21.36	16.76	18.05	19.82	6
7	18.60	16.95	25.33	18.43	23.48	21.60	25.18	22.91	21.97	16.81	18.03	19.64	7
8	18.56	16.95	24.31	20.27	24.22	23.75	25.04	22.59	22.48	16.86	18.04	19.26	8
9	18.58	17.03	23.70	21.78	27.58	28.37	24.28	22.50	22.59	16.79	18.03	19.07	9
10	18.61	17.43	23.32	23.02	29.82	29.45	24.37	22.69	22.55	16.62	18.10	19.25	10
11	18.69	18.03	22.58	21.87	30.75	31.21	24.02	23.11	22.28	16.56	17.93	18.60	11
12	18.69	18.63	21.71	20.74	30.76	32.72	23.28	23.34	21.85	16.89	17.81	19.63	12
13	18.73	18.85	21.25	19.72	32.16	33.06	22.77	23.63	21.29	17.41	17.76	19.71	13
14	18.63	19.01	20.96	19.04	34.69	32.91	22.60	23.80	20.84	17.70	17.86	19.75	14
15	18.68	19.72	20.58	18.55	35.06	32.54	22.48	23.97	20.47	17.81	17.86	19.56	15
16	18.64	20.15	20.36	18.17	35.13	32.52	22.95	24.18	20.13	17.96	17.89	19.46	16
17	18.58	20.21	20.32	17.89	34.63	32.52	22.69	24.34	20.05	18.26	18.02	19.37	17
18	18.50	20.25	20.18	17.75	33.99	32.52	21.81	24.26	19.61	18.55	18.29	19.30	18
19	18.40	20.38	19.96	17.56	32.84	31.08	21.43	24.07	19.10	18.44	18.69	19.11	19
20	18.44	20.48	19.47	17.62	31.12	30.72	21.16	24.31	18.78	18.40	19.08	19.04	20
21	18.61	20.62	19.06	17.89	30.51	32.20	20.92	24.62	18.53	18.36	19.46	18.76	21
22	19.03	21.17	18.93	17.91	29.78	34.51	20.47	23.91	18.24	18.36	19.57	18.38	22
23	19.34	21.66	18.80	17.90	28.85	35.20	19.96	22.95	17.95	18.52	19.40	18.20	23
24	19.37	21.84	18.63	17.76	27.74	35.32	19.89	21.98	17.58	18.48	19.30	18.13	24
25	18.72	22.02	18.59	17.65	26.76	35.42	20.26	21.26	17.34	18.33	19.15	18.00	25
26	17.63	22.14	18.56	17.60	25.96	35.44	21.63	20.94	17.47	18.38	19.14	17.87	26
27	17.27	22.29	18.43	17.45	25.05	35.33	22.63	20.75	17.51	18.44	19.10	17.79	27
28	17.46	22.45	18.67	17.23	23.94	35.22	22.40	20.82	17.23	18.13	19.13	17.75	28
29	17.75	22.48	21.30	17.18		34.85	22.17	20.86	17.04	18.11	19.26	17.79	29
30	18.04	22.48	22.38	16.96		34.40	21.81	20.74	16.87	18.04	19.43	17.84	30
31	18.38		21.02	16.89		33.87		20.71		18.06	19.74		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
12/6/74	0230	27.10	2/16/75	0530	35.22	3/13/75	1430	33.12	3/25/75	1600	35.60

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M.D.B.&M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
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
1975	A02160	SACRAMENTD RIVER AT FREMONT WEIR, EAST END

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					33.50								13
14					34.16								14
15					34.47								15
16					34.55								16
17					34.09								17
18					33.54								18
19													19
20													20
21						33.50							21
22						33.98							22
23						34.59							23
24						34.71							24
25						34.83							25
26						34.85							26
27						34.74							27
28						34.63							28
29						34.32							29
30						33.81							30
31						33.50							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
2-16-75	0600	34.61	3-25-75	1600	34.98						

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 45 55	121 38 05	SW 27 11N 3E		39.3	3-10-1940		APR 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
1975	A05191	FEATHER RIVER AT OROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.51	0.89	0.93	0.93	0.62	0.51	0.51	0.52	0.52	0.53	0.58	NR	1
2	0.51	0.87	0.93	0.93	0.58	0.51	0.51	0.53	0.52	0.53	0.57	NR	2
3	0.51	0.91	0.93	0.93	0.51	0.51	0.52	0.53	0.51	0.53	0.57	NR	3
4	0.52	0.92	0.93	0.90	0.52	0.51	0.52	0.53	0.51	0.53	0.57	NR	4
5	0.51	0.92	0.93	0.88	0.52	0.51	0.52	0.53	0.52	0.53	0.57	NR	5
6	0.51	0.92	0.91	0.93	0.51	0.51	0.52	0.53	0.51	0.53	0.57	NR	6
7	0.51	0.92	0.91	0.93	0.51	0.52	0.52	0.53	0.52	0.53	0.57	NR	7
8	0.51	0.92	0.91	0.94	0.52	0.52	0.52	0.53	0.51	0.53	0.57	NR	8
9	0.51	0.91	0.91	0.94	0.52	0.52	0.52	0.53	0.51	0.53	0.57	NR	9
10	0.51	0.92	0.91	0.92	0.51	0.52	0.52	0.53	0.54	0.53	0.57	NR	10
11	0.51	0.92	0.91	0.90	0.51	0.52	0.52	0.53	0.53	0.53	0.57	NR	11
12	0.50	0.92	0.91	0.88	0.55	0.51	0.51	0.53	0.52	0.53	0.57	NR	12
13	0.51	0.92	0.90	0.93	0.53	0.52	0.51	0.52	0.52	0.53	0.57	NR	13
14	0.51	0.92	0.89	0.96	0.51	0.52	0.51	0.52	0.51	0.53	0.57	NR	14
15	0.52	0.93	0.88	0.95	0.48	0.51	0.52	0.52	0.52	0.54	0.58	NR	15
16	0.77	0.93	0.89	0.95	0.48	0.51	0.52	0.52	0.52	0.57	0.58	NR	16
17	0.88	0.93	0.90	0.95	0.50	0.52	0.52	0.52	0.52	0.57	0.57	NR	17
18	0.88	0.94	0.91	0.94	0.51	0.52	0.52	0.52	0.52	0.58	0.58	0.55	18
19	0.87	0.93	0.90	0.93	0.51	0.52	0.52	0.52	0.51	0.57	0.58	0.56	19
20	0.87	0.93	0.89	0.93	0.51	0.52	0.51	0.51	0.51	0.57	0.58	0.56	20
21	0.87	0.93	0.89	0.94	0.51	0.53	0.51	0.51	0.51	0.57	0.58	0.55	21
22	0.88	0.93	0.91	0.95	0.50	0.53	0.52	0.51	0.51	0.57	0.58	0.55	22
23	0.88	0.93	0.94	0.94	0.50	0.52	0.52	0.52	0.51	0.57	0.57	0.54	23
24	0.88	0.93	0.94	0.93	0.50	0.52	0.52	0.52	0.51	0.56	0.57	0.54	24
25	0.87	0.93	0.92	0.91	0.50	0.52	0.52	0.52	0.52	0.54	0.58	0.55	25
26	0.89	0.93	0.92	0.91	0.51	0.51	0.52	0.51	0.53	0.54	0.58	0.55	26
27	0.92	0.93	0.94	0.94	0.51	0.51	0.52	0.52	0.53	0.54	0.58	0.55	27
28	0.91	0.93	0.94	0.95	0.51	0.51	0.51	0.51	0.53	0.55	0.58	0.55	28
29	0.86	0.93	0.93	0.94		0.50	0.52	0.51	0.53	0.55	0.57	0.55	29
30	0.87	0.93	0.93	0.94		0.50	0.52	0.51	0.53	0.57	0.57	0.55	30
31	0.89		0.94	0.94		0.50		0.52		0.57	0.57		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-13-75	1400	1.13									

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 31 18	121 32 48	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 is regulated by reservoirs and powerplants. Maximum discharge listed at site then in use (approximately 167.5 feet, USCGS Datum).

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

WATER YEAR	STATION NO.	STATION NAME
1975	A05165	FEATHER RIVER NEAR GRIDLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	78.00	76.23	78.97	76.21	76.03	75.36	75.21	78.19	76.32	75.72	77.25	76.65	1
2	77.98	76.21	78.94	76.30	75.87	75.35	75.11	78.50	76.33	75.71	77.04	76.66	2
3	78.00	76.23	78.95	76.29	75.66	75.33	75.00	78.95	76.32	75.72	77.14	76.64	3
4	77.98	76.24	78.96	76.25	75.55	75.33	74.90	79.00	76.57	75.71	77.10	76.65	4
5	77.91	76.26	78.93	76.26	75.42	75.34	74.87	78.99	77.51	75.71	77.09	76.65	5
6	77.93	76.26	78.94	76.27	75.38	75.35	74.85	78.98	78.25	75.72	77.09	76.64	6
7	77.93	76.28	78.91	76.30	75.38	74.42	74.85	78.99	78.62	75.72	77.01	76.61	7
8	77.96	76.25	78.91	76.31	75.40	75.43	74.85	78.99	78.65	75.72	77.00	76.64	8
9	77.94	76.24	78.78	76.29	75.44	75.42	74.84	79.04	78.64	75.72	77.00	76.66	9
10	77.94	76.23	78.09	76.29	75.43	75.40	74.84	79.07	78.65	75.72	76.67	76.66	10
11	77.94	76.24	77.35	76.25	75.40	75.36	74.83	79.05	78.32	76.34	76.63	76.66	11
12	77.90	76.25	77.03	76.24	75.47	75.36	74.82	79.11	77.89	76.91	76.64	76.65	12
13	77.88	76.49	76.91	76.25	75.66	75.38	74.83	79.17	77.48	77.36	76.64	76.65	13
14	77.92	77.72	76.35	76.32	75.54	75.36	74.84	79.16	76.97	77.42	76.62	76.63	14
15	77.92	77.98	76.26	76.30	75.46	75.38	74.83	79.13	76.68	77.39	76.64	76.62	15
16	77.91	77.98	76.25	76.25	75.40	75.38	74.81	79.11	76.63	77.40	76.64	76.60	16
17	77.89	77.98	76.29	76.12	75.38	75.39	74.81	78.79	76.08	77.35	76.64	76.61	17
18	77.88	78.02	76.29	76.07	75.39	75.40	74.82	78.39	75.82	77.32	76.65	76.59	18
19	77.84	78.03	76.26	76.04	75.40	75.38	74.82	78.34	75.79	77.31	76.67	76.61	19
20	77.82	78.03	76.26	76.04	75.36	75.37	74.80	78.03	75.78	77.33	76.67	76.29	20
21	77.84	78.53	76.26	76.06	75.34	75.43	75.09	77.49	75.77	77.33	76.66	75.87	21
22	77.87	78.93	75.59	76.07	75.35	75.44	75.42	77.35	75.73	77.35	76.66	75.82	22
23	77.73	78.93	75.44	76.07	75.34	75.41	75.68	76.94	75.74	77.34	76.64	75.82	23
24	77.02	78.94	75.43	76.04	75.34	75.42	76.09	76.51	75.73	77.34	76.63	75.82	24
25	76.31	78.96	75.80	76.03	75.33	75.39	76.64	76.32	75.73	77.35	76.64	75.82	25
26	76.24	78.95	75.76	76.02	75.33	75.36	77.16	76.32	75.73	77.33	76.64	75.82	26
27	76.24	78.95	76.32	76.04	75.32	75.35	77.59	76.32	75.73	77.31	76.67	75.81	27
28	76.27	78.97	76.31	76.08	75.33	75.33	78.05	76.31	75.73	77.30	76.64	75.82	28
29	76.22	78.99	75.56	76.06		75.32	78.15	76.32	75.73	77.32	76.63	75.83	29
30	76.23	78.98	76.28	76.05		75.32	78.18	76.33	75.71	77.31	76.64	75.84	30
31	76.24		76.17	76.13		75.28		76.32		77.29	76.64		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
11-28-74	2300	78.99	4-30-75	1745	78.33	5-14-75	0915	79.22	6-7-75	2030	78.73

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		
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
1975	A05135	FEATHER RIVER AT YUBA CITY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	43.15	41.08	45.41	41.92	41.47	40.18	40.78	43.70	41.90	40.44	42.80	42.06	1
2	43.15	41.03	45.41	41.82	44.84	40.09	41.11	43.78	42.11	40.46	42.54	42.09	2
3	43.15	40.98	45.51	41.85	44.02	40.08	41.18	44.18	42.10	40.51	42.37	42.08	3
4	43.15	40.94	45.57	41.80	42.79	40.25	41.15	44.44	42.18	40.44	42.53	42.08	4
5	43.15	40.90	45.50	41.79	41.78	40.33	41.33	44.53	43.04	40.43	42.52	42.08	5
6	43.13	40.87	45.45	41.89	41.05	40.43	41.40	44.46	44.19	40.44	42.54	42.07	6
7	43.12	40.87	45.38	42.38	40.65	40.63	41.28	44.41	44.67	40.42	42.47	42.08	7
8	43.12	40.90	45.17	42.55	40.83	41.82	41.27	44.39	44.98	40.38	42.41	42.07	8
9	43.13	40.89	45.30	42.33	42.17	41.56	41.11	44.43	45.25	40.39	42.42	42.14	9
10	43.14	40.87	44.63	42.20	42.31	41.01	41.17	44.54	45.29	40.38	42.23	42.14	10
11	43.14	40.85	43.59	42.12	41.05	40.85	41.08	44.50	45.08	40.78	41.99	42.15	11
12	43.14	40.83	42.83	41.94	40.92	40.67	41.05	44.61	44.48	41.57	41.97	42.14	12
13	43.12	40.83	42.76	41.81	47.20	40.63	40.90	44.87	44.08	42.28	41.97	42.14	13
14	43.11	42.50	42.22	41.65	45.37	40.83	40.93	44.90	43.69	42.54	41.98	42.13	14
15	43.10	43.04	41.92	41.28	42.43	40.76	41.03	44.84	43.32	42.55	41.97	42.11	15
16	43.10	43.09	41.88	41.25	41.03	41.02	41.01	44.87	43.20	42.56	41.97	42.08	16
17	43.09	43.08	41.89	41.05	40.59	40.96	41.00	44.63	42.73	42.50	41.98	42.06	17
18	43.08	43.19	41.90	41.04	40.46	41.09	41.03	44.18	42.09	42.45	42.02	42.03	18
19	43.06	43.30	41.86	40.95	40.37	41.26	40.97	44.00	41.77	42.45	42.04	42.04	19
20	43.04	43.38	41.87	40.95	40.53	41.87	40.94	44.10	41.56	42.48	42.05	41.89	20
21	43.02	43.76	41.88	41.05	40.71	41.48	40.99	43.23	41.07	42.52	42.05	41.45	21
22	43.01	44.71	41.83	41.07	40.61	43.00	41.19	43.07	40.87	42.79	42.05	41.19	22
23	43.02	44.86	41.79	41.05	40.58	42.03	41.41	42.58	40.79	42.83	42.05	41.16	23
24	42.92	45.00	41.84	40.97	40.54	41.72	41.58	41.55	40.59	42.84	42.06	41.14	24
25	42.47	45.13	41.82	40.94	40.50	44.45	42.13	41.12	40.82	42.86	42.05	41.13	25
26	41.88	45.26	41.80	40.88	40.47	44.06	41.98	41.10	41.03	42.84	42.06	41.12	26
27	41.52	45.41	41.90	40.84	40.44	42.29	42.50	41.22	40.77	42.65	42.06	41.11	27
28	41.39	45.42	42.21	40.82	40.41	41.89	43.21	41.61	40.39	42.74	42.04	41.12	28
29	41.25	45.44	42.17	40.69		41.72	43.67	41.63	40.38	42.79	42.02	41.12	29
30	41.16	45.43	42.03	40.63		41.63	43.67	41.78	40.48	42.78	42.02	41.10	30
31	41.12		41.96	40.75		41.49		42.10		42.75	42.06		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12/4/74	0945	45.61									
2/13/75	1600	48.62	3/25/75	1930	45.17	5/14/75	0715	44.94	6/9/75	1930	45.36

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 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 - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1975	A05120	FEATHER RIVER BELOW SHANGHAI BEND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	37.13	34.75	40.28	36.40	35.63	34.16	35.42	38.10	36.23	34.32	37.06	36.29	1
2	37.12	34.67	40.29	36.28	39.46	34.16	35.54	38.02	36.51	34.34	36.79	36.33	2
3	37.12	34.60	40.39	36.31	39.07	34.26	35.75	38.38	36.51	34.45	36.48	36.32	3
4	37.13	34.61	40.48	36.28	37.47	34.60	35.70	38.63	36.57	34.33	36.70	36.32	4
5	37.08	34.62	40.41	36.25	36.27	34.62	35.90	38.79	37.44	34.32	36.73	36.33	5
6	37.03	34.63	40.36	36.40	35.32	34.67	36.01	38.71	38.74	34.33	36.75	36.32	6
7	37.06	34.68	40.29	36.99	34.75	34.88	35.87	38.59	39.33	34.32	36.70	36.32	7
8	37.14	34.78	39.97	37.23	34.89	36.27	35.84	38.55	39.73	34.27	36.62	36.32	8
9	37.19	34.72	40.17	36.99	36.62	36.13	35.64	38.59	40.11	34.28	36.62	36.39	9
10	37.20	34.66	39.56	36.80	37.06	35.39	35.71	38.73	40.19	34.26	36.46	36.38	10
11	37.16	34.63	38.39	36.71	35.45	35.24	35.61	38.67	40.01	34.60	36.18	36.39	11
12	37.16	34.65	37.47	36.49	34.98	35.09	35.57	38.81	39.35	35.42	36.16	36.40	12
13	37.08	34.65	37.37	36.30	42.24	35.07	35.43	39.21	38.90	36.22	36.17	36.39	13
14	37.10	35.83	36.85	36.07	41.21	35.31	35.30	39.25	38.50	36.58	36.18	36.38	14
15	37.13	36.98	36.46	35.50	37.81	35.20	35.47	39.18	38.09	36.60	36.17	36.36	15
16	37.12	37.07	36.41	35.43	36.17	35.47	35.46	39.22	37.92	36.60	36.17	36.34	16
17	37.07	37.09	36.41	35.23	35.28	35.42	35.43	39.01	37.46	36.55	36.19	36.32	17
18	37.05	37.26	36.41	35.24	34.76	35.57	35.44	38.53	36.64	36.49	36.22	36.29	18
19	37.03	37.46	36.36	35.14	34.53	35.75	35.39	38.26	36.21	36.48	36.25	36.30	19
20	36.99	37.60	36.37	35.12	34.81	36.51	35.35	38.55	35.94	36.52	36.26	36.16	20
21	36.97	38.01	36.38	35.23	35.06	36.09	35.38	37.67	35.27	36.56	36.26	35.66	21
22	37.06	39.11	36.33	35.26	34.93	38.15	35.57	37.43	34.98	37.02	36.27	35.37	22
23	37.06	39.38	36.25	35.24	34.82	37.51	35.83	36.91	34.83	37.09	36.27	35.34	23
24	36.38	39.59	36.29	35.17	34.77	37.13	36.01	35.51	34.52	37.10	36.27	35.34	24
25	35.27	39.82	36.27	35.13	34.73	39.82	36.64	34.86	34.84	37.15	36.27	35.32	25
26	34.81	39.99	36.24	35.06	34.70	40.02	36.27	34.80	35.21	37.13	36.27	35.31	26
27	34.75	40.24	36.35	35.01	34.70	37.91	36.67	34.98	34.87	36.84	36.26	35.29	27
28	34.86	40.28	36.74	34.95	34.60	37.27	37.41	35.74	34.25	36.93	36.24	35.31	28
29	34.82	40.30	36.71	34.76		36.95	38.09	35.79	34.19	36.96	36.23	35.32	29
30	34.77	40.30	36.55	34.61		36.67	38.08	35.98	34.35	37.00	36.22	35.30	30
31	34.82		36.45	34.76		36.33		36.51		37.03	36.27		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
12/4/74	1315	40.54									
2/13/75	1800	44.03	3/26/75	0015	40.84	5/14/75	0730	39.29	6/10/75	2230	40.29

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC. T. & R M D B &M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 04 44	121 36 08	NE 11 14N 3E		76.8	12-24-1955	JUN 44-OCT 45 ß 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.

ß - Irrigation season only.
- Flood season only.

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

WATER YEAR	STATION NO.	STATION NAME
1975	A05103	FEATHER RIVER AT NICOLAUS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	25.70	22.00	28.14	23.99	22.95	22.40	31.41	25.22	23.93	21.50	24.86	24.09	1
2	25.72	21.88	28.15	23.84	27.58	22.00	28.99	24.94	23.92	21.48	24.73	24.12	2
3	25.72	21.79	28.24	23.81	30.00	21.92	27.76	25.40	24.11	21.69	24.33	24.15	3
4	25.74	21.78	28.36	23.80	28.55	22.29	25.72	25.74	24.15	21.58	24.24	24.16	4
5	25.74	21.77	28.47	23.75	27.25	22.37	25.25	25.85	24.76	21.57	24.41	24.16	5
6	25.68	21.79	28.65	23.84	25.15	22.40	25.53	26.03	26.15	21.58	24.38	24.16	6
7	25.67	21.81	28.45	24.46	23.87	22.57	25.41	25.77	26.99	21.59	24.41	24.16	7
8	25.70	21.98	28.04	24.95	23.79	24.63	25.10	25.63	27.57	21.53	24.31	24.14	8
9	25.77	21.94	28.00	25.45	26.76	27.26	24.73	25.60	27.89	21.51	24.31	24.20	9
10	25.81	21.87	27.76	24.97	29.16	27.71	24.68	25.71	28.09	21.50	24.28	24.22	10
11	25.80	21.83	26.49	24.66	29.28	29.40	24.44	25.81	27.98	21.61	23.92	24.22	11
12	25.79	21.83	25.30	24.37	29.20	31.06	24.15	25.85	27.41	22.48	23.86	24.26	12
13	25.74	21.84	24.97	23.99	33.93	31.52	23.98	26.33	26.79	23.43	23.85	24.27	13
14	25.71	22.55	24.63	23.75	36.23	31.49	22.75	26.46	26.32	24.04	23.86	24.24	14
15	25.74	24.34	24.00	23.18	34.74	30.80	23.00	26.44	25.83	24.11	23.86	24.23	15
16	25.74	24.60	23.88	22.91	34.34	30.01	23.02	26.45	25.52	24.11	23.87	24.23	16
17	25.71	24.63	23.88	22.73	33.58	29.30	22.93	36.35	25.37	24.13	23.87	24.18	17
18	25.68	24.73	23.87	22.70	32.90	28.51	22.73	25.90	24.34	24.04	23.92	24.17	18
19	25.66	25.01	23.85	22.59	31.07	28.16	22.62	25.42	23.75	24.00	23.97	24.14	19
20	25.62	25.17	23.79	22.55	30.01	29.01	22.51	25.69	23.43	24.03	24.02	24.15	20
21	23.57	25.44	23.82	22.65	28.84	30.56	22.47	25.42	22.78	24.09	24.02	23.70	21
22	24.51	26.61	23.82	22.72	27.96	33.92	22.54	25.56	22.31	24.48	24.04	23.16	22
23	24.50	27.12	23.72	22.70	27.03	34.85	22.74	25.02	22.18	24.71	24.05	23.08	23
24	24.04	27.34	23.71	22.62	25.99	34.80	22.48	23.78	21.77	24.82	24.05	23.09	24
25	23.05	27.59	23.74	22.57	25.16	35.66	23.63	22.56	21.83	24.89	24.09	23.09	25
26	22.07	27.77	23.70	22.53	24.50	36.31	23.86	22.28	22.47	24.86	24.05	23.09	26
27	21.92	28.03	23.74	22.48	23.89	35.27	23.95	22.26	22.30	24.78	24.02	23.07	27
28	22.02	28.12	24.16	22.42	23.26	34.82	24.49	23.17	21.59	24.47	24.06	23.07	28
29	22.03	28.15	24.49	22.23		34.33	25.31	23.38	21.28	24.79	24.00	23.11	29
30	21.97	28.16	24.33	22.02		33.71	25.42	23.41	21.45	24.80	24.00	23.11	30
31	22.01		24.13	22.03		32.93		24.04		24.75	24.05		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-6-74	1100	28.67	2-14-75	0230	37.05	3-27-75	0030	35.67			

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 53 26	121 26 12	SE14 12N 3E	357,000	51.60	12-23-1955	JUN 21-OCT 28 8 JAN 39-DATE	1920-DATE	1920 1920		0.00 -3.30	USED USCGS

Station located on left bank 1.7 miles southwest of Nicolaus and 4.2 miles below Bear River. Prior to September 1973, station located on State Highway 99 Bridge 1.2 miles upstream. 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.

8 - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1975	A02150	SACRAMENTO RIVER AT VERONA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	16.76	15.99	20.65	17.55	15.20	19.53	30.24	19.48	18.23	14.41	16.22	17.58	1
2	16.81	16.33	20.65	16.73	18.93	18.70	27.65	19.44	18.05	14.31	16.28	17.67	2
3	16.64	16.43	20.77	16.28	24.26	18.35	25.30	19.69	18.19	14.29	16.22	17.74	3
4	16.64	16.03	21.17	16.09	25.15	18.40	23.48	20.03	18.27	14.31	16.12	17.90	4
5	16.74	15.44	22.84	15.96	24.07	18.44	22.48	20.37	18.41	14.32	16.26	17.96	5
6	16.76	14.95	24.11	15.96	22.18	18.35	22.37	20.82	19.04	14.34	16.24	17.80	6
7	16.73	14.56	23.36	16.38	20.79	18.36	22.37	20.62	19.84	14.45	16.22	17.66	7
8	16.70	14.57	22.41	17.99	20.79	20.20	21.96	20.30	20.43	14.47	16.16	17.47	8
9	16.73	14.63	21.77	19.36	23.79	24.52	21.42	20.12	20.74	14.44	16.16	17.17	9
10	16.75	14.87	21.39	20.16	26.54	25.85	21.31	20.24	20.83	14.32	16.18	17.22	10
11	16.80	15.24	20.56	19.33	27.57	28.07	20.96	20.58	20.64	14.23	16.11	17.39	11
12	16.81	15.74	19.52	18.36	27.82	29.93	20.37	20.84	20.24	14.59	15.93	17.54	12
13	16.82	16.00	18.93	17.39	29.86	30.40	19.87	21.15	19.60	15.23	15.79	17.66	13
14	16.72	16.22	18.63	16.78	33.17	30.32	19.55	21.43	19.09	15.83	15.82	17.66	14
15	16.75	17.32	18.11	16.16	33.29	29.56	19.60	21.57	18.65	16.00	15.85	17.60	15
16	16.71	17.88	17.84	15.72	33.26	28.65	19.84	21.70	18.28	16.06	15.90	17.48	16
17	16.66	17.98	17.75	15.45	32.61	27.81	19.66	21.83	18.10	16.29	15.96	17.35	17
18	16.59	18.02	17.66	15.29	31.68	26.94	18.96	21.71	17.72	16.57	16.15	17.32	18
19	16.47	18.17	17.50	15.10	30.32	26.58	18.59	21.48	17.11	16.52	16.49	17.19	19
20	16.47	18.28	17.12	15.09	28.82	27.37	18.34	21.60	16.68	16.43	16.80	17.12	20
21	16.50	18.45	16.77	15.42	27.50	29.17	18.14	21.85	16.35	16.46	17.12	16.85	21
22	16.84	19.09	16.63	15.47	26.57	32.46	17.87	21.37	15.94	16.46	17.33	16.37	22
23	17.13	19.67	16.46	15.46	25.57	33.46	17.48	20.53	15.70	16.80	17.29	16.11	23
24	17.10	19.90	16.30	15.33	24.40	33.56	17.46	19.43	15.37	16.65	17.17	16.01	24
25	16.34	20.09	16.26	15.21	23.41	33.87	17.83	18.31	15.03	16.50	17.08	15.92	25
26	15.19	20.25	16.26	15.16	22.59	34.09	18.81	17.91	15.12	16.52	17.04	15.80	26
27	14.82	20.38	16.20	15.02	21.72	33.73	19.68	17.70	15.32	16.55	17.02	15.71	27
28	14.99	20.58	16.43	14.82	20.70	33.57	19.87	17.86	15.02	16.33	16.99	15.64	28
29	15.23	20.62	18.18	14.73		33.16	19.93	18.14	14.58	16.30	17.07	15.65	29
30	15.42	20.63	19.58	14.47		32.54	19.74	18.11	14.48	16.25	17.15	15.68	30
31	15.65		18.69	14.44		31.79		18.15		16.24	17.33		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
12-6-74	1000	24.23	2-14-75	1130	33.38	3-26-75	0600	34.17			

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	SE23 11N 3E	79,200	41.20	3-1-1940	MAY 26-OCT 28 8 MAY 29-DATE	MAY 1926-DATE	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.

8 - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1975	A02105	SACRAMENTO RIVER AT SACRAMENTO WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	10.48	9.74	13.32	10.86	9.67	13.10	19.89	9.75	8.36	4.86	6.77	7.82	1
2	10.66	10.00	13.37	10.32	11.65	12.37	17.70	9.70	8.42	4.70	6.83	7.81	2
3	10.60	10.08	13.72	9.86	15.67	11.97	15.57	9.83	8.53	4.65	6.84	7.93	3
4	10.54	9.84	14.07	9.67	17.11	11.76	13.81	10.10	8.42	4.78	6.89	8.08	4
5	10.57	9.43	14.92	9.57	16.40	11.82	12.82	10.28	8.45	4.85	7.12	8.05	5
6	10.56	9.04	16.01	9.74	15.09	11.82	12.58	10.60	9.11	4.81	7.12	7.99	6
7	10.57	8.80	15.44	9.95	14.18	12.02	12.61	10.50	9.71	4.83	6.92	7.99	7
8	10.64	8.73	14.60	11.02	13.97	13.10	12.31	10.29	10.14	4.97	6.79	7.92	8
9	10.61	8.69	14.06	11.99	16.27	16.27	11.86	10.21	10.41	4.94	6.82	7.63	9
10	10.58	8.80	13.82	12.63	18.55	17.61	11.72	10.32	10.35	4.96	6.86	7.77	10
11	10.60	9.03	13.26	12.30	19.47	19.34	11.31	10.53	10.17	4.93	6.90	7.88	11
12	10.54	9.42	12.54	11.48	20.00	21.18	10.47	10.71	10.05	5.10	6.83	7.99	12
13	10.49	9.72	11.96	10.75	22.24	21.95	10.03	10.93	9.31	5.52	6.72	7.99	13
14	10.34	9.92	11.76	10.18	24.94	22.12	9.89	11.35	8.67	5.86	6.75	7.89	14
15	10.22	10.63	11.38	9.78	25.12	21.43	9.79	11.38	8.51	6.22	6.78	7.88	15
16	10.12	11.08	11.10	9.44	25.08	20.58	9.90	11.41	8.23	6.48	6.81	7.77	16
17	10.12	11.14	10.86	9.07	24.62	19.80	9.87	11.45	7.98	6.32	6.84	7.69	17
18	10.08	11.16	10.69	8.93	23.88	19.08	9.39	11.25	7.54	6.65	6.94	7.70	18
19	10.06	11.17	10.49	8.71	22.83	18.73	8.97	11.26	7.15	6.78	7.09	7.63	19
20	10.09	11.30	10.17	8.75	21.24	19.18	8.74	11.30	6.98	6.54	7.24	7.48	20
21	10.00	11.75	9.93	9.08	19.72	20.72	8.70	11.54	6.48	6.61	7.54	7.26	21
22	10.17	12.03	9.79	9.20	18.76	23.77	8.68	11.15	6.16	6.62	7.65	6.92	22
23	10.47	12.35	9.63	9.28	17.88	24.96	8.33	10.53	5.98	6.66	7.57	6.63	23
24	10.38	12.52	9.61	9.27	16.94	25.13	8.37	9.70	6.13	6.67	7.42	6.48	24
25	9.98	12.75	9.70	9.23	16.09	25.63	8.68	8.78	5.63	6.55	7.37	6.46	25
26	9.30	12.89	9.86	9.25	15.39	26.13	9.22	8.35	5.55	6.39	7.51	6.46	26
27	9.00	13.03	10.16	9.02	14.69	25.85	9.84	8.29	5.57	6.07	7.41	6.51	27
28	9.43	13.20	10.47	8.95	13.91	25.61	10.00	8.41	5.31	6.09	7.23	6.47	28
29	9.38	13.26	11.20	8.88		25.21	10.04	8.54	4.92	6.35	7.25	6.34	29
30	9.39	13.29	12.33	8.74		24.75	9.92	8.37	4.85	6.35	7.37	6.49	30
31	9.55		11.65	8.90		24.12		8.29		6.26	7.58		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-6-74	1400	16.17	2-14-75	1545	25.24	3-26-75	0830	26.19			

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	NE29 9N 4E		33.1	12-23-1955		NOV 26-JULY 37#	1926		0.00	USED
							OCT 37-DATE	1926		-3.07	USCGS
									1964	-3.49	USCGS
								1964		-3.00	USCGS

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

- Flood season only.

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

WATER YEAR	STATION NO.	STATION NAME
1975	A02100	SACRAMENTO RIVER AT SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	6.63	5.86	9.25	6.94	6.02	9.23	18.70	8.73	7.93	4.81	5.77	6.73	1
2	6.83	6.10	9.31	6.44	7.68	8.52	16.62	8.69	7.83	4.77	5.88	6.73	2
3	6.78	6.16	9.73	5.97	11.32	8.09	14.56	8.80	7.76	4.84	5.94	6.86	3
4	6.72	5.94	10.06	5.82	12.88	7.80	12.83	9.04	7.88	4.94	6.09	7.01	4
5	6.73	5.58	10.77	5.71	12.27	7.87	11.86	9.17	8.28	4.97	6.21	6.95	5
6	6.70	5.21	11.81	5.94	11.12	7.89	11.62	9.47	8.80	5.12	6.26	6.98	6
7	6.71	5.00	11.30	6.14	10.30	8.12	11.64	9.41	9.27	5.19	5.98	7.00	7
8	6.80	4.92	10.52	7.13	10.06	9.01	11.35	9.24	9.63	5.28	5.86	6.92	8
9	6.75	4.86	10.02	7.96	12.21	11.75	10.93	9.18	9.79	5.30	5.92	6.65	9
10	6.72	4.95	9.80	8.56	14.35	13.14	10.78	9.30	9.87	5.17	5.97	6.78	10
11	6.72	5.15	9.32	8.27	15.19	14.64	10.34	9.46	9.85	5.08	6.03	6.86	11
12	6.65	5.52	8.66	7.50	15.80	16.47	9.44	9.60	9.50	5.20	5.95	6.95	12
13	6.59	5.83	8.14	6.81	18.05	17.44	9.02	9.83	8.96	5.52	5.85	6.91	13
14	6.44	6.02	7.89	6.30	20.62	17.75	8.93	10.28	8.51	5.96	5.85	6.80	14
15	6.29	6.65	7.53	5.92	20.81	17.08	8.78	10.28	8.16	5.96	5.89	6.83	15
16	6.18	7.07	7.23	5.59	20.79	16.25	8.87	10.31	7.81	5.86	5.90	6.71	16
17	6.18	7.11	6.95	5.31	20.36	15.47	8.86	10.35	7.66	6.14	5.92	6.65	17
18	6.14	7.13	6.76	5.07	19.65	14.78	8.43	10.25	7.37	6.46	5.97	6.67	18
19	6.15	7.12	6.54	4.93	18.67	14.44	8.00	10.19	7.08	6.44	6.09	6.62	19
20	6.18	7.25	6.22	4.89	17.08	14.81	7.77	10.16	6.76	6.40	6.23	6.44	20
21	6.05	7.77	6.01	5.24	15.57	16.28	7.77	10.41	6.50	6.39	6.50	6.25	21
22	6.19	7.99	5.85	5.37	14.60	19.25	7.81	10.11	6.23	6.33	6.60	5.93	22
23	6.48	8.23	5.70	5.46	13.79	20.51	7.45	9.55	6.16	6.46	6.51	5.64	23
24	6.37	8.39	5.71	5.48	12.92	20.69	7.52	8.86	5.89	6.38	6.38	5.47	24
25	6.05	8.64	5.84	5.46	12.12	21.23	7.82	8.06	5.45	6.18	6.33	5.50	25
26	5.48	8.77	6.03	5.49	11.45	21.80	8.27	7.73	5.45	6.18	6.50	5.53	26
27	5.23	8.94	6.41	5.24	10.76	21.50	8.82	7.61	5.49	6.27	6.36	5.60	27
28	5.72	9.10	6.71	5.21	9.95	21.26	8.96	7.58	5.21	6.19	6.17	5.55	28
29	5.59	9.16	7.22	5.12		20.92	8.99	7.74	5.00	6.07	6.19	5.49	29
30	5.56	9.20	8.29	5.02		20.41	8.89	7.77	4.92	5.83	6.30	5.57	30
31	5.71		7.62	5.27		19.84		7.85		5.72	6.55		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-6-74	1445	11.97	2-14-75	2015	20.93	3/26/75	0830	21.85			

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	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 I/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. Records furnished by U. S. Geological Survey. Drainage area is 23,530 square miles.

I/O - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1975	A07140	AMERICAN RIVER AT SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	18.98	18.15	NR	17.92	18.06	19.52	23.49	19.51	19.48	18.71	18.43	18.09	1
2	19.00	18.14	NR	17.91	18.09	19.52	22.27	19.51	19.48	18.71	18.42	18.08	2
3	18.99	18.13	18.52	17.91	17.95	19.52	21.48	19.53	19.49	18.70	18.43	18.08	3
4	18.99	18.13	18.50	17.92	18.02	19.28	20.94	19.59	19.49	18.71	18.43	18.07	4
5	18.99	18.13	18.48	17.92	18.33	19.05	20.88	19.57	19.49	18.70	18.48	17.71	5
6	19.00	18.13	18.48	17.95	19.22	19.02	20.84	19.53	19.49	18.69	18.45	18.05	6
7	19.02	18.17	18.48	17.93	19.48	19.04	20.80	19.54	19.50	18.69	18.44	18.07	7
8	19.04	18.15	18.48	17.91	19.49	19.09	20.77	19.57	19.50	18.70	18.44	18.08	8
9	19.04	18.14	18.49	17.87	19.78	19.04	20.75	19.56	19.50	18.71	18.44	18.08	9
10	19.00	18.14	18.48	17.87	19.88	19.16	20.74	19.58	19.49	18.70	18.44	18.09	10
11	19.05	18.15	18.47	17.87	20.16	19.58	20.43	19.57	19.48	18.69	18.44	18.08	11
12	19.03	18.14	18.47	17.87	21.15	20.67	19.66	19.52	19.48	18.70	18.44	18.07	12
13	18.81	18.15	18.47	17.86	22.97	21.53	19.46	19.49	19.46	18.70	18.45	17.79	13
14	18.55	18.13	18.48	17.87	24.74	21.64	19.48	19.48	19.03	18.70	18.45	17.75	14
15	18.23	18.14	18.47	17.86	24.87	21.12	19.49	19.47	18.98	18.72	18.45	18.08	15
16	18.12	18.14	18.46	17.87	24.88	20.76	19.51	19.47	18.98	18.74	18.19	18.11	16
17	18.12	18.13	18.25	17.87	24.52	20.34	19.49	19.46	18.97	18.72	18.15	18.11	17
18	18.12	18.13	17.98	17.87	23.95	20.05	19.48	19.46	18.98	18.72	18.20	18.10	18
19	18.12	18.12	17.88	17.86	23.25	20.01	19.47	19.46	18.99	18.73	18.17	18.12	19
20	18.13	18.37	17.87	17.86	21.62	20.05	19.48	19.47	19.00	18.72	18.15	18.10	20
21	18.13	18.49	17.89	17.89	20.75	20.85	19.48	19.48	18.70	18.71	18.15	18.09	21
22	18.13	18.46	17.89	17.89	20.28	23.10	19.47	19.48	18.70	18.70	18.12	18.09	22
23	18.14	18.46	17.88	17.89	19.92	24.25	19.48	19.47	18.70	18.69	18.13	18.10	23
24	18.12	NR	17.88	17.89	19.71	24.43	19.48	19.46	18.71	18.47	18.13	18.09	24
25	18.14	NR	17.88	17.88	19.61	25.18	19.49	19.46	18.72	18.45	18.12	18.09	25
26	18.14	NR	17.88	17.88	19.57	25.89	19.49	19.46	18.69	18.44	18.13	18.09	26
27	18.15	NR	17.93	17.88	19.55	25.65	19.49	19.48	18.70	18.43	18.14	18.10	27
28	18.20	NR	18.08	17.87	19.53	25.44	19.47	19.49	18.70	18.45	18.13	18.10	28
29	18.15	NR	17.92	17.88		25.13	19.47	19.49	18.70	18.45	18.13	18.09	29
30	18.15	NR	17.91	17.89		24.74	19.46	19.48	18.71	18.44	18.13	18.09	30
31	18.19		17.92	17.92		24.31		19.47		18.44	18.13		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
2-14-75	1530	24.98	3-26-75	1030	25.96						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T & R M.D.B &M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 34 08	121 25 22	SW 3 8N 5E	176,000	45.73	11-21-1950	JUL 21-OCT 21	JUL 21-OCT 21	1921		0.00	USED
						MAY 24-DEC 42 8	JUN 24-NOV 24	1921		-3.07	USCGS
						MAY 43-SEPT 59	JUN 1925-DATE				

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.

8 - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1975	A81820	SCOTTS CREEK NEAR UPPER LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.12	2.27	0.71	6.25	6.35 E	8.27 E	10.07	9.12	8.18	6.78	3.40	0.69	1
2	1.24	2.34	0.86	6.29	8.25 E	8.34 E	9.92	9.08	8.12	6.75	3.10	0.69	2
3	1.28	2.40	1.04	6.30	8.84 E	8.36 E	9.79	9.03	8.09	6.74	2.75	0.69	3
4	1.29	2.47	1.55	6.32	9.76 E	8.36 E	9.71	8.99	8.06	6.73	2.49	0.69	4
5	1.30	2.54	1.66	6.33	8.92 E	8.38	9.60	9.02	8.03	6.66	2.13	0.69	5
6	1.31	2.63	1.56	6.85	8.87 E	8.47	9.49	9.01	7.98	6.62	1.56	0.69	6
7	1.32	2.75	1.56	7.18	10.04 E	9.55	9.36	8.99	7.95	6.58	1.31	0.69	7
8	1.34	2.90	1.58	7.65	10.85 E	11.28	9.26	8.98	7.92	6.53	1.01	0.69	8
9	1.38	2.99	1.61	7.52	13.72 E	10.99	9.15	8.96	7.88	6.50	0.70	0.71	9
10	1.43	3.09	1.66	7.31	12.73 E	10.33	9.13	8.92	7.83	6.46	0.69	0.73	10
11	1.50	3.18	1.69	7.08	10.81 E	9.79	9.15	8.89	7.78	6.41	0.69	0.75	11
12	1.52	3.28	1.77	6.87	10.82 E	9.49	9.15	8.88	7.75	6.35	0.69	0.77	12
13	1.54	3.37	1.84	6.69	13.69 E	9.33	9.14	8.86	7.70	6.35	0.69	0.80	13
14	1.58	3.46	1.91	6.54	12.06 E	9.25	9.12	8.81	7.66	6.27	0.71	0.77	14
15	1.59	2.56	1.99	6.42	9.65 E	9.26	9.17	8.75	7.60	6.25	0.72	0.70	15
16	1.62	0.70	2.04	6.32	8.86 E	9.57	9.17	8.75	7.52	6.24	0.69	0.70	16
17	1.65	0.67	2.09	6.24	8.44 E	10.03	9.14	8.74	7.38	6.18	0.69	0.70	17
18	1.68	0.68	2.12	6.17	8.23 E	12.43	9.10	8.70	7.40	6.16	0.69	0.70	18
19	1.69	0.67	2.16	6.12	8.78 E	13.20	9.06	8.57	7.37	6.10	0.69	0.70	19
20	1.71	0.67	2.20	6.07	9.10 E	12.20	9.07	8.54	7.32	6.05	0.69	0.69	20
21	1.75	0.68	2.26	6.04	8.80 E	11.99	9.05	8.55	7.28	6.06	0.69	0.69	21
22	1.77	0.73	2.31	6.01	8.62 E	13.98	9.04	8.53	7.23	5.94	0.69	0.69	22
23	1.77	0.70	2.35	5.98 E	8.47 E	13.28	9.08	8.50	7.13	5.97	0.69	0.69	23
24	1.77	0.67	2.38	5.96 E	8.38 E	12.69	9.14	8.47	7.06	5.73	0.69	0.69	24
25	1.79	0.75	2.43	5.94 E	8.34 E	13.64	9.16	8.44	7.06	5.87	0.69	0.69	25
26	1.83	0.74	2.48	5.93 E	8.27 E	12.81	9.14	8.38	7.00	5.52	0.69	0.69	26
27	1.88	0.73	3.12	5.89 E	8.25 E	11.70	9.14	8.35	6.94	5.14	0.69	0.69	27
28	2.00	0.72	5.11	5.87 E	8.25 E	11.01	9.15	8.33	6.92	5.22	0.69	0.69	28
29	2.06	0.71	5.87	5.85 E		10.63	9.14	8.30	6.89	4.53	0.69	0.71	29
30	2.10	0.71	6.00	5.58 E		10.41	9.13	8.26	6.82	3.70	0.69	0.73	30
31	2.18		6.13	5.90 E		10.21		8.22		3.66	0.69		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
3-22-75	1030	14.11									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC T & R M.D B &M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 09 32	122 55 13	SW12 15N 10W		22.14	12/23/64		NOV 59-DATE	1959		1321.2	USCGS

Station located 0.1 mi. above State Highway 29 Bridge, 0.7 mi. SW of Upper Lake. Gage height reflects the elevation of Clear Lake as well as flow of Scotts Creek.

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

WATER YEAR	STATION NO.	STATION NAME
1975	B07020	SAN JDAQUIN RIVER NEAR VERNALIS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	13.67	14.71	13.77	13.34	14.14	13.74	16.38	12.11	14.98	11.67	10.65	11.31	1
2	13.74	14.83	13.93	13.21	14.09	13.66	15.79	11.92	15.85	11.59	10.59	11.12	2
3	13.44	15.14	14.16	12.44	13.03	13.76	15.07	11.88	16.49	11.49	10.59	11.10	3
4	13.25	15.24	14.64	13.45	13.36	13.46	14.42	12.86	17.20	11.59	10.67	11.00	4
5	13.16	15.18	14.57	13.70	14.67	13.66	14.05	13.55	17.39	11.63	10.62	11.26	5
6	12.90	14.58	14.62	13.30	15.94	13.85	13.93	13.58	16.99	11.73	10.50	11.60	6
7	12.74	13.78	14.90	12.53	16.75	14.24	14.10	13.83	17.22	11.71	10.58	11.95	7
8	12.71	13.58	14.96	13.56	17.06	14.63	14.28	14.00	17.38	11.53	10.64	12.12	8
9	12.65	13.57	14.92	13.65	17.03	14.86	14.88	13.94	17.65	11.68	10.69	12.06	9
10	12.46	13.55	14.82	13.75	16.74	15.00	15.11	13.89	17.83	11.62	10.72	11.89	10
11	12.25	13.50	14.77	13.87	16.81	15.07	15.10	13.56	17.75	11.27	10.82	12.08	11
12	12.58	13.49	14.75	13.88	16.98	15.61	14.96	13.44	17.34	11.17	10.76	12.20	12
13	12.80	13.50	14.72	13.34	16.95	15.79	14.74	13.30	16.10	11.16	10.63	12.46	13
14	12.80	13.53	14.71	12.56	17.56	15.73	14.54	13.58	16.17	11.08	10.55	12.50	14
15	12.68	13.47	14.72	13.52	18.40	16.31	14.20	13.75	17.07	10.98	10.48	12.49	15
16	12.36	13.51	14.72	13.84	18.28	16.26	13.79	13.90	17.53	10.96	10.49	12.64	16
17	12.78	13.57	14.61	13.95	17.71	16.20	13.33	14.02	17.62	11.09	10.70	12.50	17
18	13.02	13.57	14.20	14.00	17.01	16.35	13.17	14.20	17.78	11.12	11.27	12.45	18
19	12.93	13.57	13.96	13.90	16.64	16.05	13.02	14.31	17.59	11.24	11.85	12.48	19
20	12.82	13.56	13.82	13.37	16.76	16.30	13.05	14.32	16.59	11.26	12.06	12.67	20
21	12.85	13.35	13.75	12.61	16.55	16.53	13.13	14.54	14.51	11.23	11.89	12.72	21
22	12.93	13.24	13.46	13.74	16.27	16.56	12.99	14.64	13.55	11.02	11.78	12.72	22
23	13.45	13.18	12.79	14.07	15.99	16.96	12.83	14.54	13.14	10.76	11.77	12.68	23
24	14.07	13.18	12.46	14.20	15.41	16.94	12.72	14.45	12.82	10.78	11.73	12.76	24
25	14.35	13.38	12.73	14.19	15.03	16.48	12.61	14.51	12.62	11.02	11.57	12.82	25
26	14.56	13.48	12.94	13.97	15.47	16.84	12.62	14.57	12.32	10.79	11.11	13.02	26
27	14.57	13.64	12.49	13.30	15.00	16.91	12.69	14.53	12.17	10.88	11.02	13.07	27
28	14.52	13.74	13.32	12.62	14.20	16.67	12.71	14.58	12.11	10.79	11.03	13.06	28
29	14.62	13.74	13.53	13.68		16.57	12.51	14.57	12.07	10.69	10.92	13.02	29
30	14.77	13.67	13.21	13.98		16.74	12.28	14.62	12.04	10.71	10.88	12.93	30
31	14.82		12.53	14.11		16.83		14.70		10.75	11.06		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-15	1845	18.60									

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		
37 40 34	121 15 55	NW 13 3S 6E	79,000	32.81	12-9-1950	JUL 22-DEC 23 B	JUL 22-DEC 23 B	1931	1959	5.06	USCGS
						JAN 24-FEB 25	JAN 24-FEB 25	1959		0.00	USCGS
						JUN 25-OCT 28 B	JUN 25-OCT 28 B	1959		3.3	USED
						MAY 29-DATE	MAY 29-DATE				

Station located on left bank 12 feet downstream from Durham Ferry highway bridge, 2.6 miles downstream from Stanislaus River, and 3.2 miles northeast of Vernalis. Maximum discharge listed at site then in use and present datum. Records furnished by U. S. Geological Survey. Drainage area is 13,540 square miles.

B - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1975	G32100	EAGLE LAKE NEAR SUSANVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	11.44	11.27	11.23	11.33	12.56 E	12.63 E	12.70 E	12.84	13.80 E	13.45 E	13.26	12.85	1
2	11.44	11.25	11.22	11.33	12.57 E	12.63 E	12.70 E	12.86	13.80 E	13.45 E	13.22	12.85	2
3	11.43	11.24	11.23	11.33	12.57 E	12.63 E	12.70 E	12.90	13.80 E	13.45 E	13.22	12.81	3
4	11.42	11.24	11.29	11.34	12.57 E	12.63 E	12.71 E	12.95	13.80 E	13.45 E	13.20	12.81	4
5	11.39	11.24	11.28	11.35	12.57 E	12.64 E	12.71 E	12.97	13.80 E	13.45 E	13.20	12.81	5
6	11.37	11.23	11.28	11.35	12.58 E	12.64 E	12.71 E	12.98	13.80 E	13.45 E	13.14	12.81	6
7	11.36	11.23	11.28	11.36	12.58 E	12.64 E	12.71 E	13.00	13.80 E	13.45 E	13.14	12.81	7
8	11.35	11.24	11.27	11.40	12.58 E	12.65 E	12.72 E	13.03	13.80 E	13.45 E	13.10	12.81	8
9	11.35	11.24	11.27	11.39	12.58 E	12.65 E	12.72 E	13.07	13.80 E	13.45 E	13.10	12.81	9
10	11.35	11.24	11.28	11.40	12.59 E	12.65 E	12.72 E	13.11	13.80 E	13.45 E	13.08	12.81	10
11	11.34	11.23	11.28	11.38	12.59 E	12.65 E	12.72 E	13.16	13.80 E	13.45 E	13.08	12.81	11
12	11.32	11.23	11.29	11.38	12.59 E	12.65 E	12.73 E	13.21	13.80 E	13.45 E	13.06	12.81	12
13	11.32	11.23	11.28	11.38	12.59 E	12.66 E	12.73 E	13.27	13.79	13.45 E	13.06	12.81	13
14	11.31	11.23	11.29	11.39	12.60 E	12.66 E	12.73 E	13.35	13.77	13.45 E	13.04	12.81	14
15	11.31	11.23	11.29	11.39	12.60 E	12.66 E	12.73 E	13.43	13.51	13.45 E	13.04	12.78	15
16	11.30	11.23	11.29	11.39	12.60 E	12.66 E	12.74 E	13.49	13.51	13.45 E	13.01	12.78	16
17	11.30	11.22	11.30	11.39	12.60 E	12.66 E	12.74 E	13.50	13.50	13.45 E	13.01	12.74	17
18	11.30	11.23	11.30	11.39	12.60 E	12.67 E	12.74 E	13.54	13.49	13.44 E	13.00	12.74	18
19	11.29	11.22	11.30	11.96	12.60 E	12.67 E	12.75 E	13.57 E	13.48	13.43	13.00	12.74	19
20	11.30	11.20	11.30	12.45	12.61 E	12.67 E	12.75 E	13.62 E	13.48	13.43	13.00	12.74	20
21	11.27	11.20	11.30	12.46	12.61 E	12.67 E	12.75 E	13.65 E	13.47	13.41	13.00	12.72	21
22	11.25	11.25	11.30	12.47	12.61 E	12.68 E	12.75 E	13.69 E	13.46	13.41	12.98	12.71	22
23	11.25	11.24	11.29	12.50	12.61 E	12.68 E	12.75 E	13.70 E	13.46	13.39	12.98	12.70	23
24	11.24	11.20	11.28	12.50	12.62 E	12.68 E	12.75 E	13.73 E	13.43	13.39	12.95	12.70	24
25	11.23	11.25	11.28	12.51	12.62 E	12.68 E	12.76 E	13.76 E	13.44	13.37	12.95	12.69	25
26	11.23	11.24	11.28	12.54	12.62 E	12.69 E	12.76	13.78 E	13.45 E	13.37	12.91	12.67	26
27	11.22	11.24	11.30	12.55 E	12.62 E	12.69 E	12.77	13.79 E	13.45 E	13.33	12.91	12.66	27
28	11.24	11.23	11.34	12.56 E	12.62 E	12.69 E	12.78	13.81 E	13.45 E	13.33	12.91	12.65	28
29	11.25	11.23	11.33	12.56 E		12.70 E	12.79	13.82 E	13.45 E	13.30	12.91	12.64	29
30	11.24	11.23	11.33	12.56 E		12.70 E	12.81	13.83 E	13.45 E	13.30	12.87	12.63	30
31	11.2[illegible]		11.33	12.56 E		12.70 E		13.81 E		13.26	12.87		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
5-30-75	0000	13.88									

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		13.88	5/30/75		OCT 56-DATE	1956		5095.06	USCGS

Station located on east shore, 14 mi. NW of Susanville.

TABLE B-12

DAILY TIDES

This table shows the water surface elevations for the daily high and low tides or the daily maximum and minimum water surface elevations for days where normal tide patterns did not occur.

The reported elevations are referenced to USC&GS mean sea level datum established at the Golden Gate in 1929. Water surface elevation at each station referenced to this datum is obtained by subtracting the zero of the gage, shown under "Datum of Gage", from the reported elevations.

Example:

1. Pages 162 and 163 "Sacramento River near Freeport". From Page 163 the zero of the gage since 1964 = 0.00 USC&GS datum. Elevations referenced to mean sea level of the Golden Gate are as reported.

2. Pages 164 and 165. "Sacramento River at Snodgrass Slough". From Page 165 the zero of the gage since 1964 = -3.00' USC&GS datum. Elevations referenced to mean sea level at the Golden Gate are obtained by subtracting 3.00 from the reported values.

TABLE 8-12 (CONTINUED)

DAILY TIDES

89185d SACRAMENTO RIVER NEAR FREEPORT
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	4.45	5.10	3.78	4.39	6.55	6.61	NR	NR	4.03	5.37	6.84	7.47	01
	4.47	5.45	4.01	5.17	6.67	7.44			4.29	5.06	6.53	6.65	
02	4.67	5.25	3.92	4.57	6.61	6.93	NR	NR	4.69A	6.07A	6.19	6.69	02
	4.72	5.75	4.25	5.40	6.78	7.46					5.66	6.19	
03	4.74	5.26	4.10	4.62	NR	NR	NR	NR	6.91A	9.56A	5.76	6.51	03
	4.68	5.61	4.27	5.28							5.38		
04	4.61	5.11	3.93	4.47	NR	NR	NR	NR	9.60A	10.35A	5.67	5.41	04
	4.61	5.65	4.12	5.02							6.21	5.32	
05	4.58	5.05	3.64	4.28	NR	NR	NR	NR	9.71A	8.72A	5.74	5.51	05
	4.66	5.64	3.87	4.68							6.29	5.40	
06	4.53	4.95	3.32	4.11	NR	NR	NR	NR	8.72A	7.92A	5.61	5.63	06
	4.65	5.57	3.56	4.21							6.35	5.34	
07	4.47	4.95	2.99	4.21	NR	NR	NR	NR	7.85	7.96	5.86	5.76	07
	4.78	5.77	3.58						7.69	8.20	6.91		
08	4.63	5.13	4.21	3.03	NR	NR	4.26	4.95	7.28A	8.07A	6.03A	7.46A	08
	4.87	5.61	4.05	3.23			4.87	6.29					
09	4.55	5.13	3.85	2.93	NR	NR	5.37	5.76	7.99A	10.41A	7.49A	9.78A	09
	4.82		4.18	3.16			5.59	6.39					
10	5.56	4.51	3.77	3.01	NR	NR	5.72	6.16	10.41A	11.60A	9.70A	10.47A	10
	5.13	4.70	4.31				6.11	6.83					
11	5.43	4.52	3.21	3.82	NR	NR	5.96	6.11	11.56A	12.04A	10.47A	12.28A	11
	5.14	4.57	3.28	4.52			5.83	6.41					
12	5.26	4.41	3.42	4.04	NR	NR	5.32	5.50	11.94A	12.91A	12.29A	13.47A	12
	5.16	4.51	3.56	4.87			5.11	5.73					
13	5.19	4.39	3.69	4.31	NR	NR	4.68	4.96	12.91A	15.57A	13.46A	14.17A	13
	5.24		3.09	5.17			4.61	5.26					
14	4.41	5.06	3.89	4.46	NR	NR	4.09	4.64	15.60A	16.81A	14.17A	13.85A	14
	4.29	5.26	4.06	5.38			4.26	4.91					
15	4.28	4.89	4.26	4.93	NR	NR	3.90	4.47	16.76A	16.62A	13.84A	13.14A	15
	4.21	5.19	4.68	5.81			4.01	4.59					
16	4.09	4.72	4.75	5.23	NR	NR	3.57	4.31	16.78A	16.51A	13.13A	12.44A	16
	4.14	5.27	4.97	5.88			3.79	4.27					
17	4.11	4.72	4.83	5.27	NR	NR	3.38	4.11	16.52A	16.05A	12.43A	11.68A	17
	4.18	5.29	5.01	5.71			3.50	3.80					
18	4.05	4.65	4.78	5.33	NR	NR	3.06	3.97	16.03A	15.34A	11.67A	11.26A	18
	4.18	5.31	5.12	5.66			3.31	3.57					
19	4.06	4.74	4.78	5.27	NR	NR	3.01	3.95	15.33A	14.30A	11.01A	11.29A	19
	4.32	5.35	5.07	5.35			3.06	3.22					
20	4.13	4.79	4.73	5.43	NR	NR	2.88	4.06	14.29A	12.68A	11.14A	11.84A	20
	4.42	5.23	5.29	5.62			3.14						
21	3.97	4.53	5.11	6.34	NR	NR	3.42	3.26	12.68A	11.58A	11.86A	13.85A	21
	4.28	4.92	6.00	6.03			4.48	3.36					
22	3.95	4.75	6.02	5.42	NR	NR	3.63	3.47	11.58A	10.84A	13.89A	16.19A	22
	4.55	5.16	6.09	5.76			4.62	3.34					
23	4.28	4.97	5.88	5.61	NR	NR	3.69	3.55	10.82A	10.01A	16.20A	16.53A	23
	4.61		6.21	5.85			4.84						
24	4.91	4.18	5.96	5.75	NR	NR	3.44	3.85	10.00	10.02	16.52A	16.68A	24
	4.91	4.41	6.37	6.00			3.62	4.93	9.63	9.88			
25	4.76	4.02	6.27	6.06	NR	NR	3.44	3.93	9.22	9.35	16.65A	17.49A	25
	4.78	4.04	6.68				3.61	5.03	8.93	9.27			
26	4.48	3.60	6.13	6.31	NR	NR	3.57	4.13	8.60	8.84	17.49A	17.67A	26
	4.58	3.61	6.16	6.86			3.70	4.98	8.34	8.68			
27	4.19	3.39	6.24	6.48	NR	NR	3.48	3.98	8.03	8.33	17.51A	17.20A	27
	4.54	3.61	6.33	7.04			3.41	4.56	7.75	8.07			
28	4.57	3.94	6.38	6.64	NR	NR	3.27	3.96	7.42	7.87	17.25A	17.00A	28
	5.46		6.50	7.24			3.41	4.80	7.12	7.44			
29	4.03	4.44	6.49	6.72	NR	NR	3.34	4.07			17.03A	16.63A	29
	3.71	4.88	6.56	6.26			3.30	4.43					
30	3.66	4.29	6.50	6.76	NR	NR	3.19	4.27			16.63A	16.19A	30
	3.72	4.92	6.61	7.37			3.19	4.30					
31	3.65	4.28			NR	NR	3.17	4.46			16.18A	15.63A	31
	3.89	5.07					3.71	4.95					
MAXIMUM	5.77		7.37		NR		NR		16.81A		17.67A		MAXIMUM
MINIMUM	3.39		2.93		NR		NR		4.03A		5.32A		MINIMUM

NR - NO RECORD

A - HIGH FLOWS AFFECTED THE NORMAL TIDAL PATTERN

LOCATION: LAT. 38 28 23, LONG. 121 31 58, SW SEC. 10, T7N, R4E,
10.7 MILES BELOW SACRAMENTO, 1.9 MILES NORTHWEST OF FREEPORT.
MAXIMUM GAGE HEIGHT LISTED AT PRESENT DATUM.

PERIOD OF RECORD: AUG 1955 TO DATE

TABLE B-12 (CONTINUED)

DAILY TIDES

891850 SACRAMENTO RIVER NEAR FREEPORT
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	15.61A	14.22A	6.30	6.71	6.23	5.87	3.29	3.40	4.98	3.76	5.63	4.48	01
			6.04		6.01	5.42	2.81		3.99	3.82	4.87	4.61	
02	14.19A	12.22A	6.49	6.26	6.29	5.71	4.39	3.09	5.16	3.79	5.61	4.48	02
			6.54	5.96	5.77	5.33	3.25	2.87	4.15	3.98	4.95	4.62	
03	12.21A	10.52A	6.49	6.23	6.18	5.46	4.45	3.02	5.28	3.79	5.70	4.59	03
			6.50	6.17	5.52	5.27	3.33	3.11	4.29	4.10	5.14	4.71	
04	10.51A	9.17A	6.78	6.46	6.23	5.52	4.65	3.03	5.55	3.97	5.79	4.75	04
			6.57	6.29	5.85	5.53	3.46	3.25	4.55	4.23	5.35		
05	9.32A	8.59A	6.83	6.50	6.74	5.87	4.75	3.02	5.60	4.00	4.82	5.04	05
			6.60	6.42	6.16	6.02	3.55	3.28	4.74	4.35	4.75	5.42	
06	8.86	8.68	7.02	6.76	7.03	6.29	4.94	3.11	5.71	4.11	4.71	5.73	06
	8.91	8.63	6.89	6.68	6.63	6.52	3.82	3.56	4.78		4.80	5.70	
07	8.96	8.71	7.15	6.68	7.38	6.61	5.16	3.19	4.18	5.39	4.85	5.66	07
	8.92		6.81	6.59	6.92	6.82	4.01	3.62	3.81	4.43	4.80	5.88	
08	8.84	8.45	7.12	6.52	7.67	6.89	5.17	3.26	3.83	5.12	4.92	5.60	08
	8.64		6.73	6.51	7.20	7.11	4.05		3.73	4.58	4.77	5.85	
09	8.22	8.53	7.16	6.47	7.81	7.01	3.59	5.23	3.90	5.09	4.65	5.17	09
	8.04	8.29	6.74		7.28		3.31	4.13	3.82	4.84	4.47	5.81	
10	7.95	8.36	6.54	7.21	7.19	7.91	3.52	5.06	4.00	4.98	4.67	5.27	10
	7.89	8.26	6.57	6.85	7.11	7.42	3.20	4.12	3.88	5.12	4.69	5.90	
11	7.92	8.31	6.69	7.32	7.27	8.06	3.45	4.88	4.19	5.02	4.75	5.23	11
	7.39	7.50	6.66	6.90	7.12	7.43	3.11	4.22	3.95	5.29	4.81	5.96	
12	7.00	7.46	6.81	7.40	7.17	7.78	3.47	4.72	4.17	4.74	4.81	5.27	12
	6.54	6.81	6.78	7.04	6.70	7.00	3.22	4.51	3.89	5.36	4.95	6.00	
13	6.48	7.11	6.93	7.59	6.67	7.18	3.68	4.67	4.05	4.45	4.79	5.25	13
	6.26	6.76	7.04	7.53	6.25	6.84	3.50	5.06	3.80	5.30	4.91		
14	6.50	7.18	7.47	8.11	6.45	6.92	4.11	4.88	3.95	4.36	5.02	4.62	14
	6.20	6.59	7.45	7.72	5.85	6.63	3.92	5.39	3.87		5.19	4.83	
15	6.31	6.89	7.59	8.00	6.11	6.51	4.16	4.55	5.33	3.91	5.72	4.65	15
	6.06	6.42	7.37	7.70	5.63		3.75		4.37	4.01	5.19	4.71	
16	6.27	6.89	7.58	7.94	6.50	5.75	5.11	3.92	5.47	3.90	5.54	4.53	16
	6.18		7.39		5.99	5.25	4.23	3.72	4.40	4.02	5.12	4.62	
17	6.58	6.46	7.78	7.65	6.26	5.47	5.31	4.01	5.34	3.84	5.42	4.49	17
	6.91	6.08	7.90	7.36	5.76	5.31	4.50	4.20	4.63	4.19	5.18		
18	6.44	6.11	7.51	7.74	6.30	5.17	5.70	4.32	5.28	3.87	4.60	5.47	18
	6.48	5.62	7.34	7.86	5.35	4.93	4.71	4.41	4.52	4.10	4.56	5.26	
19	6.02	5.74	7.52	7.67	6.22	4.91	5.76	4.23	5.25	3.97	4.63	5.44	19
	6.04	5.26	7.34	7.90	5.15	4.67	4.71	4.41	4.59		4.54	5.25	
20	5.79	5.45	7.35	7.43	5.92	4.51	5.71	4.20	4.14	5.20	4.47	5.15	28
	5.79	5.11	7.27		4.94	4.63	4.77	4.45	4.07	4.79	4.32	5.10	
21	5.88	5.40	7.94	7.57	5.94	4.27	5.69	4.20	4.32	5.39	4.32	5.02	21
	5.92	5.31	7.69	7.44	4.73	4.35	4.74	4.35	4.32	5.08	4.22	5.03	
22	6.18	5.50	7.97	7.29	5.69	4.84	5.58	4.14	4.56	5.45	4.08	4.71	22
	5.97	5.22	7.44	7.10	4.68	4.31	4.78		4.43	5.10	3.95	4.85	
23	5.95	5.00	7.71	6.80	5.61	3.97	4.40	5.61	4.50	5.28	3.79	4.29	23
	5.57	4.96	6.96		4.76		4.29	4.91	4.33	5.11	3.68	4.62	
24	5.94	5.11	6.62	7.31	4.29	5.43	4.49	5.57	4.44	5.08	3.56	4.06	24
	5.94		6.19	6.38	3.75	4.37	4.20	4.86	4.21	5.04	3.53	4.61	
25	5.37	6.37	5.99	6.72	3.85	4.93	4.32	5.26	4.36	4.95	3.52	4.06	25
	5.39	5.96	5.47	5.85	3.28	4.12	4.02	4.84	4.21	5.15	3.67	4.73	
26	5.57	6.51	5.52	6.45	3.68	4.75	4.30	5.16	4.45	5.07	3.55	4.13	26
	5.72	6.22	5.22	5.85	3.34	4.31	4.03	5.00	4.46	5.48	3.80	4.05	
27	6.01	6.93	5.51	6.38	3.87	4.69	4.39	5.09	4.51	4.76	3.63	4.23	27
	6.20	6.60	5.12	5.68	3.32	4.32	4.20	5.31	4.18	5.21	3.96	4.95	
28	6.38	7.02	5.36	6.08	3.77	4.33	4.54	4.94	4.20	4.40	3.63	4.19	28
	6.22	6.56	5.09	5.73	3.01	4.21	4.01	5.23	4.04	5.13	3.88	4.78	
29	6.38	7.00	5.54	6.11	3.56	4.00	4.35	4.63	4.11	4.33	3.51	4.22	29
	6.29	6.66	5.21	5.91	2.97	4.28	3.94	5.10	4.13	5.19	3.82		
30	6.46	6.95	5.68	6.14	3.44	3.71	4.04	4.16	4.12	4.44	4.78	3.58	30
	6.11	6.50	5.23		2.93	4.39	3.65	4.91	4.33		4.39	3.85	
31			6.07	5.78			3.79	3.91	5.43	4.29			31
			6.06	5.36			3.64		4.69	4.59			
MAXIMUM	15.61A		8.11		8.06		5.76		5.71		6.00		MAXIMUM
MINIMUM	4.96A		5.09		2.93		2.81		3.73		3.51		MINIMUM

A - HIGH FLOWS AFFECTED THE NORMAL TIDAL PATTERN

MAXIMUM GAGE HEIGHT OF RECORD: 23.9 - 12-23-55

ZERO OF GAGE: 1955 4.93 USCGS
1956 0.00 USCGS
1964 -0.43 USCGS
1964 TO DATE 0.00 USCGS

TABLE 8-12 (CONTINUED)

DAILY TIDES

891750 SACRAMENTO RIVER AT SNODGRASS SLOUGH
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	5.48	6.81	5.05	6.30	6.72	7.56	5.44	6.66	5.45	7.59	7.30	8.75	01
	5.54	7.27	5.50	7.36	7.11	8.62	5.74	7.08	5.70	6.97	7.13	8.06	
02	5.73	6.94	5.16	6.43	6.78	7.73	5.27	6.65	5.91	7.95	6.93	8.34	02
	5.86	7.66	5.72	7.52	7.23	8.59	5.46	6.47	6.54	7.53	6.61	7.39	
03	5.81	6.98	5.25	6.40	6.96	8.05	4.89	6.48	7.28	9.38	6.57	7.99	03
	5.87	7.54	5.71	7.34	7.78	9.26	5.10	5.93	8.80		5.95	6.78	
04	5.65	6.81	5.11	6.30	7.69	8.79	4.72	6.78	9.67	9.52	6.26	7.75	04
	5.84	7.58	5.62	7.15	8.06	8.98	5.04	5.67	10.58	9.27	5.99		
05	5.60	6.69	4.94	6.28	7.59	8.81	4.68	6.75	9.56	9.14	6.98	6.47	05
	5.90	7.54	5.50	6.86	8.26	8.99	4.90		10.02	8.52	7.80	6.06	
06	5.54	6.56	4.72	6.23	8.33	9.40	5.62	4.99	8.85	8.40	7.08	6.65	06
	5.91	7.44	5.24	6.40	8.63	8.98	7.33	5.23	9.34	7.88	7.83	6.03	
07	5.43	6.56	4.48	6.49	8.22	9.21	6.03	5.37	8.54	8.03	7.16	6.75	07
	6.10	7.66	5.30	6.45	8.08		7.42	5.29	9.14	7.52	8.57	6.86	
08	5.65	6.78	4.54	6.31	8.50	7.75	6.49	6.11	8.36	7.80	7.99	7.28	08
	6.19	7.45	4.84		8.83	7.53	8.16	6.12	9.05	7.89	8.48	7.49	
09	5.54	6.81	6.00	4.46	8.05	7.45	6.95	6.38	9.33	8.93	8.95	8.71	09
	6.09	7.38	6.51	4.72	8.76	7.33	7.77		10.37	9.73	9.93	9.14	
10	5.48	6.86	5.88	4.53	8.02	7.47	6.07	6.97	10.71	10.35	9.99	9.50	10
	5.90		6.62	4.66	8.84	7.22	6.61	7.98	11.14		10.30	9.68	
11	7.21	5.47	5.85	4.69	7.92	7.33	6.25	6.95	10.50	11.02	10.56	10.33	11
	6.84	5.63	6.79	4.76	8.65		6.45	7.76	10.74	11.35	11.18	11.00	
12	6.99	5.36	5.99	4.99	6.86	7.61	5.86	6.62	10.79	11.30	11.72	11.60	12
	6.90	5.52	7.08		7.03	8.43	5.97	7.19	11.04	11.74	12.15	11.99	
13	6.92	5.42	4.95	6.21	6.51	7.34	5.36	6.25	11.57A	13.60A	12.45	12.30	13
	7.08	5.45	5.30	7.36	6.75	8.06	5.60	6.92			12.82		
14	6.84	5.42	5.12	6.34	6.21	7.10	5.09	6.18	13.63A	14.80A	12.56	12.84	14
	7.22		5.50	7.56	6.58	7.93	5.43	6.7[illegible]			12.48	12.68	
15	5.37	6.68	5.41	6.66	6.06	6.95	4.91	6.18	14.63	14.82	12.29	12.56	15
	5.38	7.20	5.94	7.73	6.40	7.61	5.30	6.45	14.56	14.71	11.95	12.15	
16	5.20	6.55	5.65	6.73	5.81	6.79	4.73	6.17	14.88A	14.51A	11.81	12.17	16
	5.40	7.34	6.13	7.64	6.02	7.11	5.15	6.12			11.39	11.56	
17	5.23	6.54	5.66	6.73	5.39	6.53	4.58	6.04	14.61A	14.13A	11.17	11.55	17
	5.50	7.37	6.11	7.36	5.88	6.97	4.88	5.59			10.80	10.96	
18	5.19	6.48	5.54	6.80	5.31	6.60	4.34	5.95	14.13A	13.59A	10.58	11.11	18
	5.57	7.41	6.24	7.25	5.86	6.53	4.70	5.32			10.33	10.55	
19	5.26	6.64	5.51	6.65	5.08	6.47	4.35	5.99	13.58A	12.84A	10.31	10.89	19
	5.81	7.47	6.11	6.83	5.68	6.12	4.47	4.9[illegible]			10.15	10.48	
20	5.36	6.69	5.39	6.74	4.90	6.33	4.29	6.17	12.48	12.59	10.33	10.88	20
	5.94	7.27	6.26	6.93	5.36	5.66	4.50		11.51		10.45		
21	5.16	6.34	5.79	7.08	4.74	6.47	5.14	4.73	11.52	11.16	10.96	10.95	21
	5.74	6.81	7.04	7.17	5.33	5.59	6.60	4.62	11.40	10.54	11.56	11.52	
22	5.07	6.54	6.01	7.30	4.81	6.38	5.33	4.98	10.66	10.36	12.42A	14.17A	22
	5.98	6.96	6.30		4.95		6.76	4.58	10.83	9.93			
23	5.33	6.68	6.64	5.95	5.31	4.75	5.44	5.08	10.23	9.80	14.43	14.38	23
	5.88	6.53	7.23	6.20	6.29	4.67	7.04	4.70	10.48		14.66	14.40	
24	5.17	6.62	6.62	6.05	5.23	4.84	5.67	5.17	9.36	9.84	14.72	14.53	24
	5.65		7.36	6.32	6.63	4.75	7.19	4.74	9.19	10.11	14.86	14.55	
25	6.44	5.16	7.04	6.45	5.52	5.09	5.86	5.19	8.82	9.54	15.08	14.88	25
	6.68	5.45	7.75	6.37	7.06	4.93	7.36		8.70	9.77	15.37	15.20	
26	6.44	5.08	6.99	6.52	5.91	5.43	4.89	6.11	8.42	9.31	15.57	15.37	26
	6.81	5.19	7.96		7.47	5.10	5.32	7.32	8.27	9.30	15.63	15.28	
27	6.34	4.98	6.46	7.17	6.24	5.82	4.86	5.99	8.00	8.99	15.57	15.14	27
	6.86	5.12	6.71	8.14	8.28		4.98	6.91	7.83	8.82	15.36	15.03	
28	6.78	5.63	6.54	7.33	5.82	6.72	4.67	6.07	7.60	8.82	15.01	15.34	28
	7.85	5.62	6.90	8.38	5.92	7.71	4.95	7.17	7.43	8.38	14.90	15.14	
29	6.51	5.28	6.65	7.40	5.41	6.45	4.77	6.20			14.82	15.22	29
	7.17		6.93	8.38	5.88	7.91	4.85	6.74			14.64	14.85	
30	5.10	6.34	6.65	7.49	6.09	7.09	4.65	6.48			14.53	14.89	30
	5.27	7.19	7.04	8.55	6.52	7.98	4.91	6.62			14.29	0.00	
31	5.02	6.24			5.90	6.61	4.69	6.75			14.21	14.55	31
	5.39	7.29			5.86	7.17	5.20	7.11			13.95	14.06	
MAXIMUM	7.85		8.55		9.40		8.16		14.88A		15.63A		MAXIMUM
MINIMUM	4.98		4.46		4.67		4.29		5.45A		0.00A		MINIMUM

A = HIGH FLOWS AFFECTED THE NORMAL TIDAL PATTERN

LOCATION: LAT. 38 21 02, LONG. 121 31 56, SW SEC 22, T6N, R4E, 0.2 MILE ABOVE HEAD OF SLOUGH (LEVEED OFF FROM RIVER), WEST OF STATE HWY 160, 2.5 MILES NE OF COURTLAND. AT TIMES TIDAL FLUCTUATION IS INFLUENCED BY OPERATION OF THE DELTA CROSS CHANNEL GATES.

PERIOD OF RECORD: AUG 1939 TO DATE

TABLE A-12 (CONTINUED)

DAILY TIDES

B91750 SACRAMENTO RIVER AT SNODGRASS SLOUGH
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	13.69	13.79	6.96	7.79	6.85	7.26	4.97	5.37	5.05	5.73	7.53	5.46	01
	12.96	12.98	6.35	7.50	6.12		4.47	6.78	5.36	7.30	6.45	5.80	
02	12.85A	11.32A	6.90	7.47	7.81	6.63	4.76	5.22	5.03	5.93	7.49	5.41	02
			6.25		6.95	6.04	4.60		5.54		6.56	5.76	
03	10.82	10.93	7.50	6.74	7.66	6.26	6.84	4.64	7.46	5.04	7.60	5.52	03
	9.91		7.24	6.44	6.59	5.98	5.34	4.89	6.15	5.69	6.77	5.79	
04	10.20	9.83	7.73	6.85	7.73	6.19	7.07	4.63	7.81	5.28	7.66	5.85	04
	9.88	8.83	7.12	6.38	6.76	6.37	5.56	5.11	6.53	5.83	7.01	5.84	
05	9.52	8.92	7.64	6.71	8.38	6.58	7.17	4.59	7.96	5.35	7.70	5.75	05
	9.31	8.36	7.05	6.49	7.32	6.83	5.68	5.15	6.69	5.86	7.22		
06	9.22	8.55	7.67	6.77	8.56	6.79	7.41	4.69	7.97	5.37	8.01	7.63	06
	9.17	8.35	7.26	6.75	7.64	7.15	6.01	5.44	6.72	5.64	5.85	7.59	
07	9.29	8.53	7.91	6.75	8.66	6.85	7.64	4.81	7.61	5.03	5.96	7.51	07
	9.23	8.36	7.35	6.76	7.73	7.28	6.24	5.50	6.37		5.89	7.85	
08	9.28	8.36	8.03	6.66	8.87	7.00	7.65	4.80	5.22	7.32	6.03	7.45	08
	9.06	8.16	7.40	6.85	7.85	7.45	6.28	5.44	4.97	6.61	5.96	7.91	
09	9.10	8.66	8.22	6.66	8.89	7.05	7.70	4.87	5.29	7.27	5.82	7.00	09
	8.86	8.02	7.46	6.90	7.90	7.50	6.40		5.09	6.95	5.71	7.91	
10	9.04	7.92	8.26	6.69	8.98	7.15	5.35	7.53	5.38	7.12	5.88	7.07	10
	8.85		7.54	6.99	8.18		4.78	6.44	5.17	7.26	5.97	7.91	
11	8.04	8.09	8.27	6.69	7.69	9.25	5.28	7.35	5.57	7.11	5.85	6.97	11
	7.48	8.13	7.42		7.32	8.31	4.70	6.57	5.35	7.52	6.12	7.97	
12	7.34	8.39	7.01	8.26	7.67	9.01	5.26	7.09	5.61	6.76	5.89	6.95	12
	6.81	7.66	6.72	7.56	6.92	7.93	4.74	6.80	5.34	7.63	6.25	7.98	
13	6.99	8.29	7.17	8.48	7.23	8.41	5.31	6.91	5.50	6.43	5.87	6.97	13
	6.62	7.73	6.96	8.12	6.54	8.08	4.92	7.24	5.31	7.58	6.27	7.79	
14	7.16	8.51	7.77	9.04	7.27	8.36	5.62	6.96	5.35	6.28	5.71	6.95	14
	6.67	7.64	7.38	8.23	6.47	8.15	5.30	7.64	5.42	7.58	6.14		
15	6.97	8.14	7.79	8.75	7.87	7.98	5.50	6.43	5.27	6.31	7.64	5.70	15
	6.40	7.34	7.23	8.21	6.31	8.08	5.05	7.28	5.62		6.91	6.00	
16	6.91	8.05	7.74	8.56	6.64	7.37	5.21	6.02	7.72	5.29	7.42	5.58	16
	6.45	7.42	7.23	8.27	6.01	7.97	5.05	7.47	6.41	5.69	6.86	5.81	
17	7.07	8.01	7.72	8.36	6.32	7.12	5.27	6.28	7.62	5.19	7.32	5.56	17
	6.45	7.47	7.15		6.21		5.60		6.67	5.80	6.98	5.82	
18	6.94	7.63	8.19	7.54	8.06	6.04	7.84	5.47	7.50	5.15	7.37	5.69	18
	6.08		8.18	7.23	6.73	5.97	6.45	5.80	6.47	5.57	7.13	5.88	
19	7.13	6.56	8.55	7.61	8.10	5.91	7.87	5.39	7.41	5.17	7.38	5.71	19
	7.25	5.75	8.16	7.39	6.67	5.81	6.49	5.85	6.48	5.53	7.12		
20	6.99	6.24	8.82	7.33	7.94	5.54	7.88	5.37	7.27	5.22	5.68	7.02	20
	7.03	5.74	7.63	6.97	6.61	5.94	6.61	5.90	6.65	5.64	5.48	6.98	
21	7.25	6.20	8.46	7.32	8.06	5.43	7.84	5.34	7.37	5.44	5.50	6.92	21
	7.29	6.01	7.87	7.30	6.58	5.82	6.58	5.78	6.93		5.49	7.01	
22	7.76	6.33	8.72	7.20	7.92	5.29	7.75	5.29	5.84	7.39	5.36	6.65	22
	7.38	6.00	7.86	7.19	6.64	5.89	6.63	5.79	5.53	6.91	5.31	6.90	
23	7.55	5.90	8.70	6.93	7.87	5.28	7.70	5.40	5.74	7.16	5.10	6.20	23
	7.03	5.83	7.67	6.97	6.74	5.90	6.74		5.47	6.97	5.06	6.71	
24	7.64	5.90	8.59	6.54	7.71	5.14	5.85	7.65	5.66	6.96	4.85	5.99	24
	7.51	6.36	7.42	6.70	6.45		5.35	6.77	5.37	6.92	5.03	6.75	
25	8.11	6.15	8.28	6.07	5.51	7.21	5.71	7.33	5.58	6.78	4.84	5.97	25
	7.37	6.36	7.16		6.04	6.24	5.20	6.83	5.42	7.10	5.20	6.89	
26	8.02	6.20	6.43	8.16	5.34	6.99	5.72	7.21	5.72	6.90	4.92	6.10	26
	7.29		5.94	7.33	4.67	6.42	5.25	6.99	5.75	7.45	5.43	7.05	
27	6.60	8.24	6.57	8.14	5.50	6.86	5.40	7.07	5.74	6.44	5.04	6.21	27
	6.47	7.46	5.85	7.16	4.65	6.46	5.47	7.31	5.43	7.18	5.67	7.15	
28	6.86	8.21	6.45	7.74	5.43	6.44	5.99	6.89	5.39	6.01	5.06	6.21	28
	6.44	7.42	5.72	7.09	4.48	6.44	5.37	7.34	5.32	7.07	5.58	6.94	
29	6.89	8.14	6.49	7.61	5.31	6.14	5.78	6.47	5.22	5.89	4.90	6.28	29
	6.49	7.55	5.77	7.31	4.51	6.57	5.29	7.16	5.45	7.10	5.47	6.98	
30	7.03	8.09	6.71	7.61	5.16	5.76	5.43	5.87	5.19	6.04	4.98	6.47	30
	6.42	7.48	5.86	7.41	4.50	6.71	5.04	7.01	5.73	7.37	5.43		
31			6.82	7.44			5.13	5.57	5.30	6.29			31
			6.02	7.72			5.09	7.10	5.93				
MAXIMUM	13.79A		9.04		9.25		7.88		7.97		7.98		MAXIMUM
MINIMUM	5.74A		5.72		4.48		4.47		4.97		4.84		MINIMUM

A - HIGH FLOWS AFFECTED THE NORMAL TIDAL PATTERN

MAXIMUM GAGE HEIGHT OF RECORD: 20.57 - 12-25-64

ZERO OF GAGE: 1939 -3.02 USCGS
1964 -3.40 USCGS
1964 TO DATE -3.00 USCGS

TABLE 8-12 (CONTINUED)

DAILY TIDES

891650 SACRAMENTO RIVER AT WALNUT GROVE
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	3.26	1.30	0.85	2.88	1.62	3.22	0.69	2.90	1.40	4.20	2.67	4.89	01
	3.79		1.58	4.08	2.45	4.70	1.35	3.50	1.81	3.53	2.55	4.12	
02	1.43	3.36	0.92	2.96	1.70	3.45	0.70	3.06	1.71	4.49	2.50	4.62	02
	1.68	4.20	1.80	4.19	2.60	4.58	1.14	2.88	1.82	3.11	2.11	3.46	
03	1.50	3.41	0.93	2.89	1.83	3.72	0.44	2.99	2.08	5.08	2.22	4.29	03
	1.74	4.09	1.76	4.00	3.26	5.29	0.81	2.31	3.33		1.25	2.72	
04	1.30	3.22	0.80	2.82	2.91	4.74	0.37	3.39	4.70	4.21	1.89	4.07	04
	1.72	4.15	1.71	3.84	3.50	4.92	0.74	1.98	5.94	3.69	1.40	3.05	
05	1.24	3.07	0.73	2.91	2.66	4.52	0.43	3.38	4.60	3.88	2.20	4.11	05
	1.80	4.11	1.68	3.58	3.28	4.37	0.57	1.94	5.43	3.19	1.46		
06	1.15	2.93	0.59	2.94	2.88	4.79	0.84	3.97	4.17	3.44	3.15	2.44	06
	1.87	3.99	1.47	3.14	3.32	4.18	0.91		4.98	2.78	4.11	1.42	
07	1.02	2.94	0.43	3.25	2.89	4.80	2.42	1.34	4.12	3.35	3.23	2.49	07
	2.11	4.21	1.52	3.19	2.95		4.08	0.91	5.01	2.61	5.08	2.52	
08	1.26	3.16	0.52	3.07	3.90	2.71	2.87	2.06	4.11	3.19	4.19	3.04	08
	2.19	3.95	0.95	2.70	4.58	2.51	4.72	1.59	5.02	2.84	4.67	2.66	
09	1.13	3.25	0.47	3.28	3.58	2.61	2.98	1.89	4.86	3.86	4.52	3.66	09
	2.04	3.87	0.75		4.65	2.39	4.01	1.13	5.82	4.13	5.36	3.75	
10	1.07	3.31	2.55	0.57	3.68	2.77	2.68	1.92	5.73	4.69	5.27	4.18	10
	1.76		3.38	0.60	4.82	2.34	4.03		6.14		5.57	4.10	
11	3.70	1.06	2.50	0.72	3.66	2.76	1.14	2.60	4.51	5.66	5.59	4.60	11
	3.27	1.37	3.53	0.61	4.76	2.09	1.77	3.94	4.82	6.09	5.98	4.92	
12	3.46	0.95	2.58	0.97	3.51	2.63	0.97	2.52	4.71	5.85	6.14	5.33	12
	3.38	1.20	3.78	0.71	4.69		1.46	3.45	4.99	6.31	6.37	5.54	
13	3.37	1.08	2.76	1.30	1.91	3.39	0.58	2.33	5.25	6.70	6.60	5.78	13
	3.60	1.12	4.05		2.43	4.38	1.21	3.33	6.01	7.01	6.80		
14	3.30	1.16	0.86	2.89	1.61	3.16	0.51	2.49	6.56	7.60	5.96	6.75	14
	3.79	1.05	1.53	4.25	2.30	4.28	1.21	3.19	7.24	7.72	5.88	6.59	
15	3.16	1.17	1.10	3.11	1.52	3.11	0.46	2.61	7.20	7.81	5.81	6.71	15
	3.79		1.85	4.29	2.20	3.99	1.17	2.99	7.20	7.62	5.57	6.37	
16	0.89	3.05	1.11	3.01	1.33	2.99	0.41	2.73	7.18	7.96	5.64	6.70	16
	1.27	3.97	1.94	4.11	1.67	3.39	1.07	2.65	7.24	7.47	5.24	5.86	
17	0.93	3.05	1.07	2.96	0.74	2.74	0.31	2.63	7.11	7.73	5.15	6.18	17
	1.43	4.02	1.90	3.76	1.63	3.33	0.81	2.06	6.97	7.18	4.83	5.49	
18	0.89	2.99	0.92	3.05	0.74	2.90	0.15	2.59	6.84	7.44	4.85	5.99	18
	1.55	4.06	2.03	3.58	1.63	2.77	0.65	1.76	6.59	6.77	4.48	5.19	
19	1.00	3.19	0.88	2.83	0.53	2.81	0.25	2.67	6.51	7.20	4.74	5.89	19
	1.89	4.14	1.85	3.00	1.43	2.24	0.37	1.26	6.11	6.37	4.39	5.20	
20	1.14	3.25	0.71	2.93	0.40	2.73	0.30	2.88	6.06	6.72	4.79	5.75	20
	2.07	3.92	1.96	3.01	1.12	1.76	0.39	1.57	5.21		4.44		
21	0.90	2.87	1.18	4.18	0.36	2.97	0.84	3.31	5.55	5.18	5.40	5.11	21
	1.85	3.38	2.75	3.06	1.15	1.72	0.40		5.98	4.48	6.01	5.34	
22	0.77	3.08	1.30	3.39	0.53	2.94	1.73	1.11	5.09	4.61	6.56	6.35	22
	2.06	3.45	1.62	2.26	0.66	1.46	3.47	0.31	5.76	4.12	7.25	6.68	
23	1.01	3.14	1.68	3.18	0.55	2.86	1.89	1.24	5.04	4.25	7.52	7.20	23
	1.78	2.85	1.33		0.33		3.77	0.42	5.64	3.82	7.86	7.04	
24	0.80	3.08	2.15	1.16	1.41	0.74	2.17	1.33	4.94	3.89	7.86	7.26	24
	1.51	2.83	3.30	1.44	3.26	0.38	3.93	0.49	5.52	3.55	8.12	7.22	
25	0.92	3.25	2.69	1.63	1.82	1.05	2.43	1.35	4.93	3.63	8.40	7.67	25
	1.40		3.71	1.36	3.71	0.56	4.11	0.68	5.38		8.59	7.68	
26	3.00	1.06	2.56	1.72	2.31	1.46	2.69	1.48	3.35	4.89	8.45	7.82	26
	3.53	1.27	3.97	1.42	4.13	0.74	4.15		3.29	4.99	8.54	7.71	
27	3.02	1.08	2.79	1.93	2.71	1.90	0.66	2.63	3.02	4.70	8.62	7.68	27
	3.62	1.16	4.14	1.45	4.91		1.08	3.76	2.95	4.60	8.37	7.52	
28	3.47	1.79	2.93	2.16	1.42	3.07	0.53	2.74	2.77	4.74	8.43	7.40	28
	4.02	1.68	4.41		1.78	4.35	1.03	3.94	2.69	4.28	8.10	7.37	
29	3.15	1.37	1.53	2.99	0.96	2.78	0.61	2.88			8.48	7.27	29
	3.92	1.04	2.18	4.40	1.64	4.34	0.89	3.49			7.99		
30	2.99	1.37	1.54	3.13	1.16	2.92	0.55	3.22			7.23	8.33	30
	3.93		2.36	4.61	1.85	4.17	0.98	3.37			7.03	7.78	
31	0.90	2.84			0.99	2.46	0.65	3.46			7.12	8.12	31
	1.48	4.01			1.21	3.43	1.27	3.75			6.87	7.39	
MAXIMUM	4.62		4.61		5.29		4.72		7.96		8.62		MAXIMUM
MINIMUM	0.77		0.43		0.33		0.15		1.40		1.25		MINIMUM

LOCATION: LAT. 38 14 22, LONG. 121 30 57, SW SEC 35, T5N, R4E, AT HEAD OF GEORGIANA SLOUGH IMMEDIATELY SOUTHWEST OF WALNUT GROVE. AT TIMES TIDAL FLUCTUATION IS INFLUENCED BY OPERATION OF THE DELTA CROSS CHANNEL GATES.

PERIOD OF RECORD: FEB. 1929 TO DATE

TABLE 8-12 (CONTINUED)

DAILY TIDES

891650 SACRAMENTO RIVER AT WALNUT GROVE
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	6.83 6.20	7.42 6.60	2.46 1.44	3.74 3.36	2.64 1.64	3.32 4.10	1.18 0.73	1.92 3.51	0.91 1.57	2.17 4.01	1.81 1.70	2.78	01
02	6.02 5.12	6.43 5.67	2.30 1.29	3.29 3.37	2.36 1.60	2.97 3.97	0.92 0.91	1.82 3.61	0.85 1.76	2.42	4.02 2.93	0.96 1.63	02
03	5.07 4.19	5.63	2.14 1.52	2.96	1.93 1.58	2.53	0.76 1.28	1.97	4.16 2.71	0.83 1.92	4.15 3.16	1.85 1.53	03
04	5.20 5.80	4.44 3.56	3.57 2.64	2.07 1.31	4.07 2.74	1.69 2.68	3.68 2.27	0.71 1.53	4.52 3.15	1.12 2.02	4.17 3.39	1.18 1.53	04
05	4.92 4.74	4.00 3.27	3.37 2.49	1.76 1.44	4.77 3.39	2.12 2.51	4.01 2.42	0.64 1.55	4.65 3.28	1.15 1.96	4.21 3.70	1.34 1.55	05
06	4.75 4.61	3.60 3.21	3.34 2.68	1.66 1.70	4.87 3.58	2.17 2.71	4.25 2.75	0.73 1.87	4.65 3.33	1.16 1.69	4.09 4.09	1.51	06
07	4.80 4.69	3.54 3.30	3.63 2.86	1.64 1.85	4.81 3.53	1.95 2.73	4.46 2.97	0.89 1.86	4.29 2.95	0.78 1.19	1.67 1.61	4.02 4.37	07
08	4.85 4.59	3.37 3.17	3.84 3.03	1.63 2.06	4.99 3.54	1.93 2.78	4.47 3.02	0.82 1.80	3.99 3.22	0.74	1.72 1.74	3.90 4.58	08
09	4.74 4.48	3.12 3.17	4.18 3.14	1.65 2.14	4.92 3.57	1.92 2.83	4.52 3.15	0.91 1.67	1.24 0.91	3.92 3.59	1.56 1.56	3.49 4.51	09
10	4.78 4.56	2.98 3.19	4.20 3.17	1.63 2.18	5.03 3.95	2.05 3.10	4.35 3.19	0.84	1.30 1.03	3.77 3.90	1.63 1.85	3.52 4.51	10
11	4.87 3.65	2.06 2.49	4.13 2.97	1.48 2.16	5.37 4.13	2.35	1.60 0.78	4.16 3.33	1.49 1.31	3.74 4.21	1.55 2.07	3.41 4.56	11
12	4.21 3.42	1.84 2.34	4.11 3.13	1.45	3.11 1.95	5.11 3.82	1.53 0.78	3.87 3.54	1.57 1.36	3.36 4.31	1.59 2.23	3.35 4.52	12
13	4.33 3.60	1.81	2.39 1.69	4.38 3.71	2.70 1.68	4.56 4.17	1.47 0.91	3.63 3.94	1.44 1.38	3.01 4.28	1.56 2.27	3.40 4.32	13
14	2.69 1.90	4.62 3.54	3.10 2.16	4.88 3.77	2.92 1.87	4.61 4.45	1.70 1.27	3.61 4.30	1.25 1.56	2.82 4.29	1.40 2.09	3.41	14
15	2.52 1.54	4.21 3.18	2.97 1.91	4.47 3.72	2.83 1.84	4.25 4.42	1.57 1.00	2.97 3.95	1.14 1.81	2.96 4.42	4.18 3.35	1.33 1.90	15
16	2.46 1.57	4.08 3.17	2.91 1.90	4.22 3.81	2.32 1.58	3.58 4.39	1.10 1.05	2.49 4.15	1.16 1.89	3.02	3.94 3.33	1.24 1.66	16
17	2.57 1.61	3.96 3.32	2.82 1.72	3.90 3.73	2.00 1.90	3.32 4.51	1.11 1.69	2.77	4.35 3.29	1.08 1.94	3.84 3.49	1.26 1.66	17
18	2.54 1.29	3.59 3.08	2.57 1.98	3.70 4.24	1.66 1.78	2.93	4.47 2.90	1.22 1.88	4.19 3.05	0.96 1.63	3.90 3.64	1.46 1.72	18
19	2.18 1.00	3.25	2.63 2.37	3.70	4.66 2.98	1.63 1.69	4.49 2.99	1.14 1.94	4.08 3.03	0.93 1.53	3.88 3.64	1.48 1.50	19
20	3.02 3.09	1.82 1.07	4.68 2.99	2.28 1.67	4.54 3.05	1.24 1.99	4.53 3.10	1.14 1.97	3.90 3.18	0.93 1.57	3.51 3.52	1.26	20
21	3.47 3.49	1.76 1.43	4.10 3.18	1.95 2.11	4.69 3.11	1.21 1.93	4.47 3.11	1.10 1.84	3.96 3.44	1.15 1.72	1.29 1.34	3.45 3.60	21
22	3.97 3.59	1.87 1.48	4.48 3.34	1.98 2.23	4.62 3.23	1.11 2.04	4.40 3.17	1.05 1.84	3.95 3.43	1.22	1.20 1.25	3.22 3.53	22
23	3.89 3.27	1.40 1.39	4.64 3.36	1.90 2.25	4.57 3.34	1.16 2.07	4.36 3.27	1.12 1.85	1.58 1.17	3.69 3.48	0.96 1.03	2.76 3.37	23
24	4.07 3.79	1.38 2.01	4.73 3.36	1.70 2.28	4.42 3.09	1.08	4.28 3.32	1.11	1.49 1.12	3.47 3.45	0.71 1.09	2.56 3.44	24
25	4.53 3.58	1.59 1.91	4.63 3.33	1.44 2.19	1.73 0.57	3.95 2.93	1.74 0.99	3.97 3.41	1.40 1.27	3.29 3.67	0.72 1.34	2.54 3.59	25
26	4.33 3.25	1.42 1.99	4.60 3.62	1.45	1.59 0.59	3.72 3.10	1.77 1.11	3.84 3.60	1.58 1.64	3.38 4.01	0.84 1.65	2.72 3.76	26
27	4.41 3.21	1.50	2.44 1.38	4.62 3.49	1.72 0.59	3.57 3.14	1.83 1.38	3.67 3.92	1.56 1.33	2.80 3.75	0.98 1.97	2.83 3.04	27
28	2.18 1.42	4.25 3.22	2.31 1.17	4.19 3.37	1.63 0.47	3.14 3.18	1.98 1.35	3.45 4.01	1.17 1.27	2.33 3.65	0.99 1.85	2.84 3.67	28
29	2.29 1.46	4.18 3.32	2.30 1.17	3.93 3.57	1.58 0.59	2.84 3.30	1.78 1.28	2.94 3.84	0.95 1.45	2.16 3.67	0.82 1.69	2.95 3.70	29
30	2.48 1.46	4.05 3.34	2.56 1.33	3.90 3.90	1.39 0.67	2.38 3.47	1.39 1.08	2.27 3.69	0.87 1.82	2.35 3.94	0.91 1.58	3.15	30
31			2.71 1.50	3.62 4.01			1.05 1.22	1.94 3.79	0.91 1.96	2.62 4.05			31
MAXIMUM	7.42		4.88		5.37		4.53		4.65		4.56		MAXIMUM
MINIMUM	1.00		1.17		0.47		0.64		0.74		0.71		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 12.24 - 12-25-64

ZERO OF GAGE:

1929 TO 1931	0.00 USED
1931 TO 1940	0.33 USED
1940	0.00 USCGS
1964	-0.69 USCGS
1964 TO DATE	0.00 USCGS

TABLE 8-12 (CONTINUED)

DAILY TIDES

891560 YOLO BYPASS NEAR LISBON
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	4.40 4.48	7.80 6.82	01
02	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	4.23 3.79	7.56 6.10	02
03	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	3.73 3.28	7.06 5.78	03
04	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	3.96 3.53	7.14 6.11	04
05	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	4.35 3.47	7.16	05
06	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	6.17 7.27	4.63 3.48	06
07	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	6.37 8.00	4.80 4.45	07
08	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	5.21A	8.49A	08
09	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	8.52A	9.66A	09
10	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	9.36A	9.96A	10
11	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	9.66A	10.09A	11
12	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	10.07 10.11	9.87	12
13	NR	NR	NR	NR	NR	NR	NR	NR	10.04A	10.47A	9.93A	10.36A	13
14	NR	NR	NR	NR	NR	NR	NR	NR	10.47A	11.18A	10.30A	10.51A	14
15	NR	NR	NR	NR	NR	NR	NR	NR	11.20A	12.69A	10.47A	10.57A	15
16	NR	NR	NR	NR	NR	NR	NR	NR	12.70A	13.76A	10.63A	10.49A	16
17	NR	NR	NR	NR	NR	NR	NR	NR	13.76A	13.92A	10.49A	10.16A	17
18	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	10.15A	9.64A	18
19	NR	NR	NR	NR	NR	NR	NR	NR	13.26A	12.49A	9.54A	9.95A	19
20	NR	NR	NR	NR	NR	NR	NR	NR	12.48A	11.89A	9.96A	10.69A	20
21	NR	NR	NR	NR	NR	NR	NR	NR	11.89A	11.26A	10.69A	11.32A	21
22	NR	NR	NR	NR	NR	NR	NR	NR	11.26A	10.17A	11.34A	12.37A	22
23	NR	NR	NR	NR	4.06A	4.55A	NR	NR	10.14A	7.48A	12.39A	14.53A	23
24	NR	NR	NR	NR	3.93A	5.07A	NR	NR	7.35 6.69	7.75 8.00	14.54A	15.37A	24
25	NR	NR	NR	NR	4.37A	5.50A	NR	NR	5.90 5.62	7.20 7.76	15.36A	15.76A	25
26	NR	NR	NR	NR	4.78A	5.88A	NR	NR	5.17 4.94	7.20 7.43	15.57A	15.70A	26
27	NR	NR	NR	NR	5.16A	6.95A	NR	NR	4.60 4.47	7.11 7.12	15.70A	15.41A	27
28	NR	NR	NR	NR	6.46A	5.75A	NR	NR	4.41 4.40	7.39 6.90	15.40A	15.09A	28
29	NR	NR	NR	NR	5.16A	6.18A	NR	NR			15.09A	14.58A	29
30	NR	NR	NR	NR	NR	NR	NR	NR			14.57A	13.95A	30
31	NR	NR			NR	NR	NR	NR			13.94A	13.01A	31
MAXIMUM	NR		NR		NR		NR		NR		15.76A		MAXIMUM
MINIMUM	NR		NR		NR		NR		NR		3.28A		MINIMUM

NR = NO RECORD

A = HIGH FLOWS AFFECTED THE NORMAL TIDAL PATTERN

LOCATION: LAT. 38 28 30, LONG. 121 35 14, SE SEC 1, T7N, R3E, IN WEST CUT, 6.9 MILES SOUTH OF INTERSTATE 80, 5.2 MILES NORTHWEST OF CLARKSBURG.

PERIOD OF RECORD: FEB 1959 TO DATE

TABLE B-12 (CONTINUED)

DAILY TIDES

891560 YOLO BYPASS NEAR LISBON
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	13.00A	12.34A	4.14	6.35	6.21	4.80	NR	NR	NR	NR	NR	NR	01
			2.79	6.05	5.76	3.68							
02	12.33A	12.00A	4.22	6.04	6.35	4.58	NR	NR	NR	NR	NR	NR	02
			2.63		5.37	3.67							
03	11.98A	11.70A	5.99	3.78	6.12	3.86	NR	NR	NR	NR	NR	NR	03
			5.57	2.79	4.68	3.34							
04	11.73A	11.55A	6.00	3.38	6.13	3.53	NR	NR	NR	NR	NR	NR	04
			5.00	2.41	4.99	4.10							
05	11.55A	11.44A	5.73	2.86	6.91	4.31	NR	NR	NR	NR	NR	NR	05
			4.76	2.45	5.80	4.79							
06	11.47A	11.38A	5.75	2.65	7.12	4.58	NR	NR	NR	NR	NR	NR	06
			5.02	2.81	5.90	4.98							
07	11.38A	11.23A	6.08	2.66	7.02	4.00	NR	NR	NR	NR	NR	NR	07
			5.25	3.04	5.91	4.79							
08	11.23A	11.19A	6.29	2.71	7.21	3.87	NR	NR	NR	NR	NR	NR	08
			5.56	3.54	5.71	4.70							
09	11.16A	11.20A	6.63	2.77	7.04	3.66	NR	NR	NR	NR	NR	NR	09
			5.58	3.50	5.71								
10	11.19A	11.10A	6.53	2.66	4.67	7.07	NR	NR	NR	NR	NR	NR	10
			5.55	3.48	4.10	6.04							
11	11.10A	10.91A	6.44	2.40	5.16	7.40	NR	NR	NR	NR	NR	NR	11
			5.28		4.78	6.27							
12	10.90A	10.09A	3.46	6.40	5.24	7.13	NR	NR	NR	NR	NR	NR	12
			2.40	5.59	4.44	5.87							
13	10.07A	8.14A	3.87	6.94	4.90	6.55	NR	NR	NR	NR	NR	NR	13
			3.16	6.60	4.21	6.04							
14	7.80	8.58	5.23	7.81	5.23	6.68	NR	NR	NR	NR	NR	NR	14
	6.50	7.40	4.03	6.70	4.52	6.50							
15	6.30	7.68	5.00	7.37	5.27	6.50	NR	NR	NR	NR	NR	NR	15
	5.54	6.79	3.53	6.61	4.45								
16	5.83	7.33	4.83	7.12	6.54	5.30	NR	NR	NR	NR	NR	NR	16
	4.74	6.44	3.68	6.80	5.93	4.61							
17	5.29	7.00	4.90	6.75	6.39	4.76	NR	NR	NR	NR	NR	NR	17
	4.22	6.51	3.76	6.78	5.52	4.50							
18	5.08	6.81	5.00	6.61	6.60	4.13	NR	NR	NR	NR	NR	NR	18
	4.26		4.26		5.17	4.26							
19	6.62	5.76	7.35	5.08	6.95	4.24	NR	NR	NR	NR	NR	NR	19
	6.92	5.56	6.65	4.57	5.40	4.15							
20	7.04	6.20	7.47	4.38	6.60	3.95	NR	NR	NR	NR	NR	NR	20
	7.05	5.71	5.45	4.26	5.29	4.51							
21	7.19	5.34	7.30	5.17	6.76	4.22	NR	NR	NR	NR	NR	NR	21
	6.91	4.34	6.41	5.42	5.35	4.61							
22	7.30	4.43	7.71	5.26	6.60	4.40	NR	NR	NR	NR	NR	NR	22
	6.80	3.69	6.58	5.19	5.41	4.89							
23	6.99	3.42	7.68	4.50	6.65	4.82	NR	NR	NR	NR	NR	NR	23
	6.32	3.35	6.28	4.50	5.66								
24	7.00	3.34	7.45	3.41	5.14	6.49	NR	NR	NR	NR	NR	NR	24
	6.85	4.14	5.99	4.16	4.90	5.25							
25	7.49	3.40	6.80	2.66	4.76	5.85	NR	NR	NR	NR	NR	NR	25
	6.42		5.44		4.27	4.91							
26	3.67	6.98	4.00	6.63	4.48	5.65	NR	NR	NR	NR	NR	NR	26
	2.72	6.00	3.13	5.81	4.28	5.03							
27	3.55	6.99	4.50	6.71	4.58	5.51	NR	NR	NR	NR	NR	NR	27
	2.70	5.91	2.96	5.52	3.86	5.02							
28	3.66	6.74	4.24	6.15	4.51	5.20	NR	NR	NR	NR	NR	NR	28
	2.42	5.84	2.63	5.34	3.95	5.02							
29	3.81	6.75	4.31	6.05	4.46	4.98	NR	NR	NR	NR	NR	NR	29
	2.55	5.95	2.67	5.52	3.91								
30	4.08	6.66	4.62	6.09	5.15	4.48	NR	NR	NR	NR	NR	NR	30
	2.56	5.89	3.23	5.90	4.76	3.92							
31			4.90	5.96			NR	NR	NR	NR			31
			3.34										
MAXIMUM	13.00A		7.81		7.40		NR		NR		NR		MAXIMUM
MINIMUM	2.42A		2.40		3.34		NR		NR		NR		MINIMUM

NR - NO RECORD

A - HIGH FLOWS AFFECTED THE NORMAL TIDAL PATTERN

MAXIMUM GAGE HEIGHT OF RECORD:

ZERO OF GAGE: 1959 TO 1962 0.43 USED
1962 0.00 USED
1962 -3.04 USCGS
1964 -3.39 USCGS
1964 TO DATE -3.00 USCGS

TABLE 8-12 (CONTINUED)

DAILY TIDES

891210 SACRAMENTO RIVER AT RIO VISTA
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	6.14	2.92	5.75	3.66	2.17	5.90	1.45	5.72	3.23	7.24	7.29	2.85	01
	6.71	2.89	7.06	2.14	4.09	7.52	3.00	6.41	3.40	6.40	6.36		
02	6.24	3.42	5.85	3.93	2.28	6.17	1.75	5.94	3.72	7.42	3.16	7.13	02
	7.06	2.95	7.14		4.20	7.37	2.83	5.77	3.20	5.84	2.49	5.64	
03	6.28	3.56	2.12	5.74	2.42	6.41	1.64	5.93	3.33	7.22	3.10	6.82	03
	7.02	2.68	3.87	6.94	4.39	7.50	2.44	5.16	2.94	5.94	2.16	5.42	
04	6.07	3.65	2.05	5.68	3.02	6.90	1.85	6.36	4.43	7.67	3.72	6.90	04
	7.08		3.89	6.75	4.38	7.14	2.33	4.80	2.88	5.66	2.42	5.78	
05	2.57	5.92	2.10	5.80	2.59	6.54	2.14	6.35	3.95	7.11	4.17	6.93	05
	3.85	7.04	3.96	6.50	3.68	6.05	2.08	4.75	2.30		2.56	5.69	
06	2.47	5.76	2.03	5.82	2.19	6.50	2.87	6.96	5.47	3.87	4.53	6.90	06
	4.02	6.92	3.73	6.02	3.09	5.47	2.37		6.89	2.26	2.52		
07	2.30	5.60	1.99	6.20	2.32	6.69	5.26	3.48	5.83	4.05	6.01	4.45	07
	4.35	7.11	3.69	6.08	2.78	5.41	7.06	2.26	7.21	2.46	7.57	3.43	
08	2.62	5.96	2.10	6.04	2.69	6.66	5.66	4.23	6.09	4.05	6.61	4.33	08
	4.36	6.82	2.86	5.60	2.26	5.21	7.52	2.59	7.31	2.75	7.08	2.67	
09	2.42	6.04	2.19	6.28	3.02	6.86	5.71	3.66	6.77	4.29	6.38	3.90	09
	4.14	6.71	2.50	5.49	2.20		6.85	1.81	7.65	3.66	7.00	2.77	
10	2.36	6.15	2.32	6.37	5.50	3.41	5.40	3.59	7.02	4.23	6.56	3.74	10
	3.69	6.59	2.14		7.14	2.20	6.84	1.72	7.39	2.86	6.91	2.93	
11	2.36	6.23	5.39	2.54	5.60	3.59	5.28	3.44	6.37	3.73	6.75	3.55	11
	3.04		6.51	2.00	7.20	2.09	6.78	1.70	7.00	2.70	6.85	3.00	
12	6.37	2.21	5.44	2.89	5.62	3.72	5.26	3.19	6.45	3.72	6.65	3.28	12
	6.30	2.72	6.75	2.00	7.26	2.14	6.29	1.40	7.09	3.21	6.69	3.03	
13	6.28	2.46	5.64	3.28	5.67	3.02	5.10	3.07	7.15	4.12	6.81	3.38	13
	6.55	2.50	7.04	2.10	6.96	1.80	6.23	1.55	6.95	3.39	6.64	3.20	
14	6.22	2.68	5.77	3.58	5.49	3.59	5.33	3.17	6.97	3.70	6.59	2.94	14
	6.76	2.34	7.22		6.88	1.78	6.08	1.67	6.30		6.35	3.26	
15	6.08	2.79	2.32	5.95	5.48	3.60	5.50	3.17	3.07	6.47	6.78	2.88	15
	6.77	2.12	3.89	7.20	6.61	1.69	5.89		3.46	5.88	6.30	4.07	
16	5.97	3.65	2.20	5.79	5.41	3.59	1.77	5.65	3.36	6.80	7.26	3.01	16
	6.95	2.15	3.96	7.00	6.21		3.10	5.53	3.27	5.16	5.96	3.61	
17	5.95	3.33	2.13	5.73	1.73	5.51	1.80	5.56	3.29	6.37	6.73	2.67	17
	7.00		3.90	6.61	3.60	6.14	2.01	4.91	3.28	4.92	5.72		
18	2.10	5.88	2.00	5.85	1.81	5.70	1.83	5.53	3.55	6.37	3.95	6.85	18
	3.57	7.03	4.16	6.39	3.67	5.57	2.66	4.60	2.89	4.72	2.70	5.54	
19	2.33	6.09	2.01	5.63	1.72	5.65	2.19	5.61	3.89	6.68	4.21	6.67	19
	4.07	7.10	3.94	5.60	3.47	5.04	2.29	4.09	2.89	5.30	2.93	5.62	
20	2.59	6.13	1.91	5.71	1.79	5.60	2.52	5.84	4.37	6.80	4.49	6.58	20
	4.31	6.85	4.10	5.79	3.12	4.52	2.19	4.39	2.31	5.04	2.50	5.62	
21	2.30	5.79	2.70	7.08	2.02	5.86	3.16	6.26	3.95	6.41	4.42	6.59	21
	4.21	6.25	4.82	5.74	3.10	4.47	2.01	4.55	1.79		3.46	6.69	
22	2.26	5.99	2.71	6.16	2.35	5.86	3.49	6.42	5.00	3.57	4.61	7.17	22
	4.43	6.25	3.20	4.87	2.35	4.21	1.73		6.59	1.73	2.92		
23	2.61	5.99	2.44	5.92	2.60	5.84	4.70	3.61	5.49	3.29	6.51	4.08	23
	4.00	5.68	2.64		1.73	4.19	6.73	1.79	6.82	1.72	6.98	2.60	
24	2.10	5.96	4.71	2.56	2.89	6.16	5.03	3.61	5.83	3.08	6.69	3.86	24
	3.55	5.68	6.02	2.63	1.72		6.92	1.81	7.07	2.11	7.27	3.16	
25	2.59	6.15	5.38	3.18	4.63	3.21	5.32	3.55	6.28	3.09	7.66	4.77	25
	3.36		6.50	2.29	6.68	1.84	7.15	1.96	7.19	2.48	7.79	3.30	
26	5.85	2.89	5.19	3.23	5.14	3.65	5.60	3.62	6.56	2.86	7.01	3.33	26
	6.44	3.21	6.77	2.27	7.11	1.95	7.25	1.92	6.89	2.32	7.02	3.32	
27	5.92	3.01	5.42	3.44	5.59	4.19	5.53	3.14	6.56	2.58	7.40	3.25	27
	6.60	2.98	6.92	2.12	7.95	2.68	6.87	1.83	6.56	2.49	6.91	3.32	
28	6.40	3.91	5.56	3.74	5.98	3.70	5.68	2.98	6.89	2.58	7.24	2.72	28
	7.50	3.43	7.20		7.27	1.94	7.00	1.94	6.37	2.91	6.44	3.46	
29	6.03	3.31	2.12	5.65	5.62	3.43	5.85	2.77			7.61	2.91	29
	6.91	2.58	3.72	7.20	7.28	1.82	6.53				6.62	3.80	
30	5.90	3.38	2.10	5.80	5.66	3.42	1.99	6.23			7.72	2.91	30
	6.90	2.26	3.98	7.46	7.06		2.87	6.39			6.62	4.35	
31	5.73	3.53			1.59	5.17	2.20	6.54			7.75	2.87	31
	6.98	2.10			2.65	6.26	3.19	6.77			6.23		
MAXIMUM	7.50		7.46		7.95		7.52		7.67		7.79		MAXIMUM
MINIMUM	2.10		1.91		1.59		1.40		1.72		2.16		MINIMUM

LOCATION: LAT. 38 08 42, LONG. 121 41 30, SW SEC. 31, T4N, R3E,
ON DOCK AT U. S. ENGINEERS TRANSPORTATION DEPOT,
1.1 MILES BELOW STATE HIGHWAY 12 BRIDGE.

PERIOD OF RECORD: 1925 TO DATE

TABLE 8-12 (CONTINUED)

DAILY TIDES

891210 SACRAMENTO RIVER AT RIO VISTA
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	4.21	6.95	4.20	6.46	4.54	3.99	3.22	4.80	2.67	5.04	2.36	5.60	01
	2.41	5.76	2.12	6.03	2.95	6.87	2.84	6.52	4.06	6.98	3.78	6.97	
02	4.12	6.34	4.09	5.89	4.06	5.56	2.89	4.65	2.40	5.30	2.19	5.80	02
	2.32	5.69	2.00	6.03	3.09	6.82	3.27	6.62	4.27	7.16	3.61		
03	4.24	6.23	3.73	5.48	3.35	5.24	2.56	4.77	2.32	5.60	7.14	2.24	03
	2.59	6.02	2.40	6.27	3.33	6.93	3.74	6.89	4.36		6.03	3.33	
04	4.45	6.10	3.41	5.66	3.01	5.47	2.38	5.13	7.55	2.65	7.17	2.34	04
	2.71		2.17	6.03	4.02	7.61	4.00	7.03	6.03	4.30	6.30	3.19	
05	6.31	4.32	2.84	4.65	3.37	6.05	2.21	5.38	7.70	2.56	7.21	2.61	05
	6.16	2.65	2.42		4.31		4.02		6.15	4.10	6.61	3.13	
06	6.34	3.72	5.98	2.50	7.69	3.22	7.31	2.20	7.69	2.45	7.13	2.91	06
	6.07	2.63	5.84	2.64	6.23	4.48	5.61	4.30	6.17	3.71	7.03	3.21	
07	6.38	3.43	6.31	2.34	7.04	2.71	7.51	2.35	7.33	1.95	6.99	3.10	07
	6.16	2.77	5.35	2.96	6.19	4.43	5.81	4.22	5.91	3.06	7.32	3.25	
08	6.52	3.09	6.57	2.28	7.80	2.52	7.57	2.15	7.05	1.99	6.85	3.39	08
	6.18	2.82	5.64	3.32	6.23	4.39	5.89	4.06	6.19	3.09	7.49		
09	6.51	2.85	6.92	2.27	7.71	2.41	7.66	2.30	6.97	2.32	2.91	6.40	09
	6.19	3.22	5.79	3.40	6.27	4.45	6.06	3.87	6.58	3.12	3.33	7.49	
10	6.72	2.63	6.92	2.07	7.85	2.56	7.48	2.22	6.80	2.57	3.11	6.39	10
	6.26	3.31	5.73	3.49	6.61	4.75	6.13	3.78	6.92		3.76	7.47	
11	6.86	2.56	6.85	1.78	8.16	2.94	7.28	2.20	3.32	6.71	2.95	6.25	11
	6.17	3.51	5.53	3.46	6.80	4.70	6.34	3.67	3.05	7.25	4.16	7.53	
12	6.92	2.35	6.88	1.71	7.87	2.52	6.92	2.23	3.35	6.30	3.13	6.17	12
	6.05	3.61	5.74	3.80	6.54	4.31	6.56		3.26	7.33	4.40	7.44	
13	7.10	2.44	7.13	2.05	7.36	2.40	3.49	6.62	3.17	5.91	3.03	6.24	13
	6.27	4.23	6.26	4.58	6.87		2.40	6.95	3.39	7.29	4.44	7.21	
14	7.34	2.59	7.55	2.48	4.63	7.44	3.63	6.56	2.91	5.69	2.81	6.22	14
	6.17	4.07	6.23	4.31	2.84	7.17	2.89	7.30	3.76	7.31	4.19	7.06	
15	6.98	2.11	7.15	2.13	4.37	7.00	3.24	5.83	2.75	5.76	2.75	6.20	15
	5.81	4.12	6.23		2.92	7.26	2.67	6.96	4.11	7.45	3.90	6.88	
16	6.83	2.11	4.25	6.84	3.88	6.37	2.68	5.34	2.73	5.90	2.67	6.20	16
	5.79		2.13	6.36	2.85	7.31	2.98	7.15	4.15		3.55		
17	4.38	6.67	4.15	6.48	3.44	5.95	2.68	5.59	7.31	2.58	6.80	2.74	17
	2.20	5.92	1.95	6.31	3.47	7.43	3.77	7.48	6.12	4.09	6.35	3.46	
18	4.31	6.27	3.83	6.23	2.84	5.69	2.61	5.69	7.18	2.39	6.84	2.99	18
	1.94	5.74	2.47	6.92	3.51	7.55	3.99	7.48	5.96	3.75	6.51	3.52	
19	3.96	5.94	3.60	6.13	2.82	5.73	2.44	5.83	7.06	2.30	6.79	3.04	19
	1.70	5.73	2.77	7.28	3.45		4.10		5.94	3.57	6.61	3.23	
20	3.41	5.85	2.94	5.28	7.45	2.30	7.54	2.42	6.88	2.28	6.45	2.86	20
	1.91		2.10		5.82	4.02	5.94	4.10	6.68	3.51	6.44	2.94	
21	6.25	3.20	6.78	2.26	7.54	2.30	7.48	2.35	6.97	2.57	6.41	3.12	21
	6.21	2.45	5.60	2.92	5.89	4.02	5.97	3.95	6.36	3.65	6.53	2.88	
22	6.78	3.00	7.21	2.27	7.54	2.22	7.44	2.30	6.91	2.63	6.13	3.12	22
	6.26	2.48	5.87	3.23	6.00	4.13	6.07	3.90	6.29	3.42	6.45	2.59	
23	6.73	2.39	7.39	2.25	7.53	2.30	7.37	2.41	6.65	2.68	5.67	2.96	23
	6.03	2.55	6.00	3.45	6.12	4.14	6.16	3.87	6.38	3.28	6.32		
24	6.96	2.28	7.53	2.09	7.35	2.28	7.29	2.41	6.42	2.68	2.27	5.47	24
	6.55	3.40	6.07	3.80	5.93	3.78	6.22	3.80	6.38		3.22	6.43	
25	7.40	2.38	7.53	1.97	6.90	1.70	6.99	2.38	3.19	6.23	2.33	5.44	25
	6.31	3.26	6.09	3.83	5.80	3.71	6.34	3.86	3.06	6.60	3.63	6.57	
26	7.15	1.87	7.50	2.14	6.66	1.78	6.82	2.62	3.46	6.24	2.57	5.63	26
	5.94	3.27	6.35	4.20	5.99		6.54	3.93	3.49	6.86	4.04	6.72	
27	7.19	1.84	7.49	2.12	3.88	6.46	6.62	3.12	3.31	5.63	2.75	5.69	27
	5.85	3.44	6.24	4.15	1.87	6.05	6.88		3.28	6.85	4.44	6.75	
28	7.02	1.66	7.07	1.88	3.77	6.02	4.07	6.37	2.90	5.15	2.67	5.74	28
	5.87	3.74	6.13	4.18	1.98	6.11	3.22	6.97	3.47	6.56	4.32	6.62	
29	6.94	1.87	6.74	1.91	3.84	5.72	3.84	5.76	2.59	4.95	2.50	5.87	29
	5.96		6.36		2.29	6.26	3.21	6.81	3.76	6.59	4.85	6.65	
30	4.09	6.80	4.57	6.74	3.56	5.21	3.36	5.15	2.40	5.13	2.54	6.08	30
	1.98	6.02	2.34	6.71	2.54	6.43	3.32	6.67	4.18	6.07	3.73	6.86	
31			4.77	6.43			2.92	4.82	2.33	5.45			31
			2.65	6.75			3.62	6.75	4.29	7.02			
MAXIMUM	7.40		7.55		8.16		7.66		7.70		7.55		MAXIMUM
MINIMUM	1.66		1.71		1.70		2.15		1.95		2.19		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 10.2 - 12-26-55

ZERO OF GAGE: 1925 0.00 USED
1961 -0.57 USED
1961 -3.63 USCGS
1964 -3.80 USCGS
1964 TO DATE -3.00 USCGS

TABLE B-12 (CONTINUED)

DAILY TIDES

B91160 THREE MILE SLOUGH AT SACRAMENTO RIVER
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	3.17	0.08	2.79	0.81	2.92	1.21	-1.41	2.72	0.33	4.21	4.22	-0.01	01
	3.72	0.00	4.11	-0.70	4.52		0.15	3.41	0.52	3.41	3.33		
02	3.25	0.56	2.87	1.08	-0.64	3.16	-1.10	2.96	0.88	4.42	0.30	4.09	02
	4.07	0.10	4.17		1.33	4.39	-0.02	2.79	0.36	2.85	-0.38	2.64	
03	3.31	0.72	-0.74	2.77	-0.47	3.44	-1.20	2.94	0.49	4.22	0.26	3.79	03
	4.03	-0.17	1.01	3.97	1.50	4.56	-0.39	2.19	0.07	2.97	-0.69	2.43	
04	3.09	0.79	-0.84	2.70	0.14	3.91	-0.98	3.36	1.56	4.67	0.88	3.91	04
	4.10		1.03	3.78	1.50	4.15	-0.51	1.83	0.00	2.67	-0.45	2.80	
05	-0.29	2.96	-0.76	2.85	-0.31	3.55	-0.69	3.36	1.09	4.11	1.33	3.95	05
	1.00	4.08	1.10	3.54	0.79	3.05	-0.75	1.80	-0.55		-0.30	2.91	
06	-0.38	2.79	-0.84	2.87	-0.71	3.47	0.04	3.98	2.46	1.01	1.69	3.93	06
	1.18	3.94	0.64	3.09	0.21	2.48	-0.47		3.86	-0.60	-0.33		
07	-0.57	2.84	-0.89	3.23	-0.55	3.66	2.29	0.64	2.83	1.20	3.02	1.59	07
	1.50	4.13	0.83	3.13	-0.11	2.42	4.07	-0.59	4.20	-0.40	4.52	0.54	
08	-0.24	2.98	-0.77	3.10	-0.19	3.64	2.68	1.41	3.08	1.20	3.61	1.49	08
	1.50	3.84	0.02	2.65	-0.60		4.52	-0.26	4.29	-0.12	4.07	0.00	
09	-0.43	3.06	-0.68	3.30	2.23	0.17	2.75	0.82	3.75	1.42	3.35	1.02	09
	1.27	3.72	-0.35	2.52	3.86	-0.68	3.86	-1.05	4.60	0.77	3.94	-0.10	
10	-0.50	3.18	-0.52	3.41	2.50	0.56	2.41	0.75	3.96	1.37	3.53	0.89	10
	0.83	3.61	-0.72		4.15	-0.70	3.85	-1.14	4.36	-0.03	3.89	0.06	
11	-0.50	3.24	2.45	-0.30	2.60	0.72	2.30	0.60	3.35	0.86	3.70	0.70	11
	0.20	3.40	3.55	-0.86	4.19	-0.81	3.76	-1.16	3.97	-0.17	3.84	0.13	
12	-0.64	3.30	2.50	0.04	2.63	0.85	2.28	0.35	3.43	0.84	3.58	0.41	12
	-0.14		3.80	-0.87	4.24	-0.75	3.30	-1.46	4.04	0.32	3.64	0.16	
13	3.30	-0.39	2.68	0.43	2.67	0.77	2.11	0.24	4.13	1.23	3.75	0.52	13
	3.55	-0.36	4.08	-0.78	3.95	-1.09	3.24	-1.29	3.92	0.49	3.76	0.33	
14	3.23	-0.17	2.80	0.73	2.49	0.74	2.35	0.33	3.93	0.87	3.57	0.07	14
	3.75	-0.51	4.25	-0.55	3.87	-1.12	3.11	-1.17	3.30		3.31	0.38	
15	3.10	-0.05	2.99	1.04	2.48	0.74	2.52	0.34	0.20	3.46	3.73	-0.01	15
	3.78	-0.73	4.23	-0.67	3.60		2.92		0.59	2.88	3.26	1.16	
16	2.98	0.20	2.84	1.11	-1.20	2.43	-1.06	2.67	0.47	3.77	4.27	0.13	16
	3.96	-0.71	4.05		0.73	3.25	0.27	2.58	0.42	2.19	2.94	0.75	
17	2.97	0.48	-0.76	2.78	-1.13	2.55	-1.03	2.58	0.45	3.37	3.71	-0.23	17
	4.01		1.05	3.65	0.81	3.18	0.00	1.96	0.36	1.95	2.72		
18	-0.76	2.89	-0.88	2.89	-1.03	2.73	-0.99	2.56	0.66	3.36	1.08	3.84	18
	0.74	4.05	1.32	3.45	0.83	2.62	-0.15	1.66	-0.02	1.75	-0.19	2.54	
19	-0.53	3.10	-0.86	2.66	-1.12	2.67	-0.64	2.65	0.99	3.69	1.35	3.88	19
	1.21	4.11	1.11	2.86	0.64	2.10	-0.54	1.17	-0.02	2.33	0.02	2.65	
20	-0.27	3.13	-0.95	2.76	-1.05	2.63	-0.30	2.88	1.50	3.81	1.63	3.60	20
	1.44	3.86	1.25	2.86	0.29	1.59	-0.63	1.44	-0.57		-0.38	2.63	
21	-0.53	2.85	-0.17	4.05	-0.81	2.89	0.37	3.29	2.07	1.08	1.56	3.60	21
	1.37	3.29	1.97	2.85	0.35	1.55	-0.82	1.60	3.47	-1.07	0.55	3.70	
22	-0.59	3.00	-0.16	3.18	-0.46	2.92	0.68	3.46	2.04	0.71	1.94	4.14	22
	1.56	3.27	0.35	1.91	-0.48	1.28	-1.10		3.57	-1.16	0.02		
23	-0.26	3.01	-0.41	2.96	-0.20	2.94	1.75	0.78	2.46	0.43	3.46	1.20	23
	1.16	2.73	-0.23	1.76	-1.10		3.77	-1.05	3.78	-1.08	3.93	-0.31	
24	-0.54	2.98	-0.30	3.07	1.26	0.06	2.07	0.79	2.80	0.23	3.63	0.94	24
	0.70	2.71	-0.18		3.22	-1.13	3.95	-1.04	4.01	-0.77	4.20	0.20	
25	-0.26	3.17	2.41	0.30	1.67	0.38	2.35	0.72	3.24	0.23	4.56	1.83	25
	0.51	2.88	3.53	-0.58	3.70	-1.01	4.17	-0.88	4.13	-0.41	4.78	0.44	
26	0.02	3.46	2.22	0.37	2.18	0.81	2.62	0.78	3.49	0.00	3.98	0.43	26
	0.35		3.78	-0.62	4.13	-0.90	4.28	-0.92	3.83	-0.54	3.99	0.36	
27	2.95	0.16	2.45	0.61	2.61	1.35	2.55	0.35	3.50	-0.28	4.33	0.28	27
	3.62	0.12	3.95	-0.78	4.97	-0.17	3.96	-1.01	3.50	-0.37	3.85	0.35	
28	3.41	1.02	2.60	0.87	3.08	0.90	2.70	0.15	3.84	-0.26	4.17	-0.21	28
	4.49	0.58	4.24	-0.76	4.32	-0.85	4.00	-0.90	3.33	0.05	3.36	0.51	
29	3.08	0.45	2.68	0.86	2.72	0.63	2.88	-0.06			4.53	-0.07	29
	3.94	-0.28	4.21	-0.81	4.30	-1.04	3.54				3.52	0.84	
30	2.92	0.52	2.82	1.10	2.67	0.58	-0.83	3.23			4.64	-0.06	30
	3.91	-0.60	4.45	-0.75	4.09		0.02	3.41			3.54	1.40	
31	2.75	0.68			-1.19	2.26	-0.55	3.56			4.68	-0.02	31
	4.01	-0.76			-0.13	3.32	0.30	3.75			3.21		
MAXIMUM	4.49		4.45		4.97		4.52		4.67		4.78		MAXIMUM
MINIMUM	-0.76		-0.95		-1.20		-1.46		-1.16		-0.69		MINIMUM

LOCATION: LAT. 38 06 18, LONG. 121 41 57, NE SEC. 13, T3N, R2E, ON SHERMAN ISLAND, 0.1 MILE EAST OF STATE HIGHWAY 160 BRIDGE, 3.6 MILES SOUTH OF RIO VISTA, IN TIDAL ZONE. MAXIMUM GAGE HEIGHT DOES NOT INDICATE MAXIMUM DISCHARGE.

PERIOD OF RECORD: APRIL 1929 TO DATE

TABLE 8-12 (CONTINUED)

DAILY TIDES

891160 THREE MILE SLOUGH AT SACRAMENTO RIVER
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	1.32	3.91	1.34	3.44	1.65	3.00	0.38	1.86	-0.20	2.07	NR	NR	01
	-0.53	2.72	-0.78	3.01	0.07	3.83	0.02	3.55	1.21	4.00			
02	1.23	3.34	1.21	2.92	1.17	2.58	0.06	1.71	-0.39	2.33	NR	NR	02
	-0.59	2.68	-0.90	3.01	0.21	3.80	0.44	3.87	1.41	4.17			
03	1.35	3.24	0.86	2.51	0.50	2.27	-0.29	1.80	-0.54	2.61	NR	NR	03
	-0.33	3.00	-0.48	3.26	0.50	3.93	0.88	3.92	1.50	4.56			
04	1.56	3.16	0.56	2.08	0.16	2.48	-0.47	2.15	-0.22	3.03	4.17	-0.52	04
	-0.17		-0.71	3.01	1.16	4.57	1.16	4.06	1.45		3.29	0.34	
05	3.29	1.45	-0.02	1.87	0.50	3.04	-0.65	2.32	NR	NR	4.18	-0.24	05
	3.17	-0.22	-0.45		1.42		1.16				3.59	0.28	
06	3.30	0.87	2.96	-0.36	4.68	0.32	4.31	-0.66	NR	NR	4.10	0.04	06
	3.09	-0.23	2.05	-0.19	3.20	1.57	2.62	1.44			3.98	0.32	
07	3.33	0.57	3.29	-0.53	4.62	-0.16	4.52	-0.54	NR	NR	3.96	0.24	07
	3.14	-0.11	2.34	0.11	3.17	1.54	2.83	1.35			4.27	0.37	
08	3.48	0.23	3.56	-0.59	4.78	-0.33	4.56	-0.72	NR	NR	3.83	0.53	08
	3.14	-0.04	2.63	0.45	3.22	1.52	2.89	1.18			4.50		
09	3.47	-0.02	3.88	-0.60	4.68	-0.46	4.62	-0.57	NR	NR	0.06	3.39	09
	3.16	0.34	2.75	0.54	3.25	1.57	3.03	0.97			0.49	4.45	
10	3.69	-0.25	3.90	-0.82	4.81	-0.33	4.45	-0.64	NR	NR	0.23	3.38	10
	3.22	0.45	2.70	0.63	3.57	1.86	3.10	0.88			0.91	4.47	
11	3.81	-0.31	3.84	-1.09	5.10	0.02	4.27	-0.67	NR	NR	0.10	3.24	11
	3.16	0.66	2.51	0.60	3.73	1.81	3.30	0.77			1.31	4.53	
12	3.91	-0.50	3.86	-1.16	4.84	-0.36	3.91	-0.63	NR	NR	0.25	3.17	12
	3.01	0.76	2.71	0.93	3.52	1.44	3.54				1.53	4.44	
13	4.07	-0.41	4.11	-0.84	4.36	-0.48	0.63	3.62	NR	NR	0.15	3.25	13
	3.20	1.34	3.19	1.66	3.81		-0.45	3.91			1.57	4.22	
14	4.31	-0.28	4.53	-0.42	1.75	4.38	0.78	3.54	NR	NR	-0.07	3.22	14
	3.16	1.22	3.19	1.40	-0.07	4.09	0.00	4.25			1.31	4.04	
15	3.98	-0.75	4.14	-0.76	1.51	3.96	0.37	2.85	NR	NR	-0.13	3.21	15
	2.81	1.27	3.21		0.04	4.20	-0.18	3.95			1.04		
16	3.83	-0.75	1.36	3.84	1.01	3.33	-0.17	2.36	NR	NR	3.88	-0.17	16
	2.78		-0.76	3.33	-0.04	4.27	0.14	4.15			3.21	0.68	
17	1.45	3.68	1.28	3.47	0.59	2.93	-0.18	2.60	NR	NR	3.79	-0.11	17
	-0.68	2.91	-0.93	3.27	0.60	4.40	0.88	4.44			3.35	0.59	
18	1.44	3.29	0.96	3.22	-0.01	2.72	-0.26	2.68	NR	NR	3.86	0.14	18
	-0.93	2.72	-0.43	3.84	0.68	4.60	1.11	4.47			3.49	0.64	
19	1.10	2.97	0.74	3.11	-0.03	2.75	-0.43	2.83	NR	NR	3.76	0.17	19
	-1.16	2.72	0.12	4.25	0.62		1.22				3.50	0.36	
20	0.57	2.87	0.19	2.41	4.46	-0.56	4.52	-0.46	NR	NR	3.45	0.02	20
	-0.95		-0.72		2.84	1.14	2.93	1.22			3.44	0.09	
21	3.22	0.35	3.74	-0.59	4.64	-0.57	4.48	-0.51	NR	NR	3.40	0.28	21
	3.20	-0.43	2.60	0.05	2.90	1.15	2.97	1.07			3.54	0.02	
22	3.70	0.14	4.16	-0.62	4.59	-0.64	4.44	-0.56	NR	NR	3.15	0.29	22
	3.25	-0.37	2.84	0.36	3.01	1.29	3.06	1.01			3.45	-0.26	
23	3.70	-0.46	4.35	-0.63	4.55	-0.59	4.36	-0.45	NR	NR	2.69	0.15	23
	3.02	-0.29	2.98	0.58	3.10	1.29	3.15	0.98			3.33		
24	3.94	-0.57	4.49	-0.78	4.38	-0.59	4.28	-0.44	NR	NR	-0.57	2.50	24
	3.50	0.52	3.04	0.93	2.95	0.93	3.19	0.92			0.38	3.44	
25	4.38	-0.49	4.54	-0.90	3.95	-1.17	3.98	-0.48	NR	NR	-0.51	2.47	25
	3.29	0.40	3.08	0.97	2.81	0.86	3.32	0.98			0.78	3.60	
26	4.15	-0.98	4.49	-0.72	3.69	-1.06	3.81	-0.24	NR	NR	-0.29	2.66	26
	2.91	0.41	3.28	1.32	2.98	1.02	3.51	1.06			1.19	3.75	
27	4.17	-1.03	4.47	-0.73	3.50	-0.96	3.63	0.27	NR	NR	-0.11	2.75	27
	2.82	0.58	3.22	1.29	3.05		3.85				1.56	3.74	
28	4.01	-1.17	4.06	-0.92	0.92	3.06	1.20	3.39	NR	NR	-0.23	2.78	28
	2.85	0.88	3.14	1.33	-0.80	3.12	0.36	3.96			1.46	3.64	
29	3.93	-1.01	3.76	-0.95	0.99	2.78	0.95	2.81	NR	NR	-0.35	2.90	29
	2.93		3.33		-0.56	3.27	0.35	3.82			1.19	3.67	
30	1.22	3.79	1.71	3.74	0.71	2.26	0.51	2.19	NR	NR	-0.32	3.16	30
	-0.92	2.99	-0.53	3.66	-0.31	3.48	0.47	3.67			0.87	3.86	
31			1.88	3.44			0.05	1.87	NR	NR			31
			-0.22	3.73			0.78	3.76					
MAXIMUM	4.38		4.54		5.10		4.62		NR		NR		MAXIMUM
MINIMUM	-1.17		-1.16		-1.17		-0.72		NR		NR		MINIMUM

NR - NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 6.7 - 12-26-55

ZERO OF GAGE:

1929 TO 1940	0.00	USED
1940 TO 1959	0.00	USCGS
1959	-10.00	USCGS
1964	-10.24	USCGS
1964 TO DATE	0.00	USCGS

TABLE 8-12 (CONTINUED)

DAILY TIDES

891110 SACRAMENTO RIVER AT COLLINSVILLE
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	5.30	2.41	4.88	3.12	5.02	3.57	4.85	2.50	2.74	6.40	6.33	2.34	01
	5.81	2.20	6.28	1.59	6.61	1.68	5.55		2.90	5.58	5.42	2.66	
02	5.36	2.79	4.98	3.43	5.27	3.68	1.22	5.07	3.20	6.54	6.20	1.95	02
	6.08	2.29	6.31	1.53	6.52		2.38	4.93	2.68	4.96	4.71		
03	5.40	3.01	4.88	3.35	1.85	5.64	1.15	5.07	2.83	6.33	2.60	5.98	03
	6.12	2.07	6.10		3.91	6.79	1.96	4.31	2.35	5.03	1.68	4.53	
04	5.18	3.11	1.45	4.81	2.44	6.00	1.37	5.52	3.89	6.73	3.23	6.01	04
	6.19	2.00	3.36	5.93	3.75	6.24	1.83	3.96	2.27	4.73	1.90	4.88	
05	5.03	3.35	1.48	4.94	1.99	5.65	1.65	5.52	3.42	6.19	3.70	6.06	05
	6.19		3.43	5.66	3.12	5.12	1.60	3.95	1.75		2.04	5.02	
06	1.89	4.88	1.47	4.99	1.59	5.57	2.39	6.13	4.57	3.34	4.04	6.04	06
	3.51	6.05	3.13	5.24	2.51	4.56	1.87	4.45	5.98	1.69	2.02		
07	1.73	4.90	1.43	5.34	1.75	5.75	2.98	6.21	4.91	3.53	5.18	4.00	07
	3.79	6.16	3.17	5.21	2.20	4.53	1.72		6.29	1.91	6.61	2.66	
08	1.93	4.98	1.53	5.21	2.15	5.73	4.75	3.62	5.17	3.52	5.71	3.47	08
	3.74	5.86	2.34	4.76	1.72	4.31	6.55	1.93	6.37	2.19	6.15	2.95	
09	1.71	5.06	1.62	5.44	2.48	5.98	4.82	3.09	5.80	3.73	5.38	3.25	09
	3.49	5.76	1.97	4.64	1.64		5.97	1.26	6.65	2.95	5.93	2.20	
10	1.76	5.24	1.81	5.56	4.60	2.88	4.55	3.11	6.03	3.70	5.62	3.23	10
	3.69	5.70	1.62	4.61	6.25	1.61	5.98	1.15	6.43	2.24	5.95	2.32	
11	1.80	5.36	2.05	5.71	4.70	3.04	4.41	2.92	5.39	3.17	5.73	3.03	11
	2.51	5.55	1.47		6.29	1.48	5.90	1.19	6.02	2.10	5.93	2.42	
12	1.69	5.44	4.65	2.37	4.73	3.19	4.40	2.69	5.49	3.20	5.66	2.71	12
	2.17		5.97	1.45	6.35	1.53	5.43	0.86	6.10	2.05	5.69	2.43	
13	5.43	1.93	4.81	2.75	4.77	3.07	4.24	2.57	6.21	3.50	5.77	2.74	13
	5.68	1.95	6.20	1.53	6.04	1.20	5.37	1.05	5.93	2.70	5.69	2.64	
14	5.39	2.16	4.94	3.05	4.58	3.08	4.50	2.67	5.89	3.11	5.61	2.36	14
	5.89	1.81	6.37	1.70	5.99	1.17	5.27	1.16	5.31	2.44	5.37	2.70	
15	5.22	2.28	5.07	3.33	4.58	3.07	4.66	2.69	5.49	2.87	5.78	2.27	15
	5.91	1.58	6.33	1.60	5.72	1.11	5.05	1.28	4.92	2.72	5.27	3.40	
16	5.11	2.53	4.96	3.46	4.55	3.08	4.79	2.62	5.75	2.63	6.27	2.32	16
	6.09	1.61	6.16	1.59	5.38	1.17	4.69	1.33	4.24		4.93	3.64	
17	5.10	2.82	4.89	3.43	4.64	3.16	4.70	2.36	2.67	5.41	5.77	2.07	17
	6.14	1.56	5.77		5.29		4.09		2.53	4.03	4.76	3.40	
18	5.71	2.99	1.50	4.98	1.29	4.83	1.37	4.67	2.91	5.48	5.90	2.08	18
	6.16		3.64	5.56	3.17	4.74	2.20	3.81	2.20	3.82	4.57	3.66	
19	1.74	5.18	1.47	4.77	1.21	4.78	1.75	4.78	3.25	5.79	5.94	2.18	19
	3.54	6.22	3.44	4.98	2.96	4.22	1.82	3.29	2.20	4.31	4.67		
20	1.98	5.21	1.41	4.98	1.28	4.75	2.06	5.01	3.68	5.83	3.87	5.43	20
	3.70	5.98	3.59	4.98	2.64	3.73	1.69	3.57	1.66		1.84	4.68	
21	1.82	4.95	2.16	6.12	1.53	5.02	2.71	5.41	4.13	3.36	3.87	5.70	21
	3.72	5.40	4.23	4.92	2.64	3.68	1.55	3.72	5.57	1.17	2.76	5.72	
22	1.70	5.10	2.12	5.26	1.84	5.04	3.01	5.55	4.12	3.04	4.21	6.13	22
	3.87	5.28	2.70	4.04	1.85	3.35	1.18		5.65	1.12	2.20		
23	1.98	5.11	1.94	5.08	2.12	5.06	3.86	3.12	4.51	2.74	5.45	3.47	23
	3.44	4.84	2.12	3.90	1.25	3.38	5.87	1.28	5.84	1.18	5.94	1.89	
24	1.77	5.08	2.68	5.18	2.42	5.34	4.18	3.13	4.84	2.53	5.67	3.19	24
	3.62	4.43	2.07	4.52	1.20		6.06	1.29	6.09	1.53	6.20	2.91	
25	2.25	5.28	2.62	5.65	3.79	2.72	4.47	3.07	5.31	2.56	6.52	3.78	25
	2.81	4.96	1.73		5.83	1.31	6.28	1.41	6.21	1.83	6.87	2.51	
26	2.26	5.54	4.33	2.71	4.30	3.17	4.73	3.08	5.54	2.31	5.98	2.45	26
	2.64		5.89	1.70	6.24	1.43	6.44	1.37	5.89	1.79	5.97	2.46	
27	5.35	2.46	4.54	2.92	4.74	3.69	4.64	2.64	5.60	2.07	6.31	2.39	27
	5.74	2.45	6.06	1.54	7.17	2.23	6.16	1.30	5.60	1.95	5.85	2.47	
28	5.53	3.26	4.70	3.22	5.23	3.31	4.82	2.52	5.95	2.09	6.16	1.93	28
	6.48	2.87	6.35	1.55	6.51	1.49	6.10	1.44	5.42	2.30	5.36	2.85	
29	5.22	2.76	4.80	3.21	4.86	3.00	5.03	2.31			6.58	2.05	29
	6.06	2.14	6.38	1.50	6.46	1.27	5.71	1.49			5.52	3.03	
30	5.36	2.49	4.92	3.46	4.80	2.91	5.38	2.40			6.67	2.05	30
	6.03	1.69	6.56	1.55	6.20	1.16	5.54	1.81			5.54	3.57	
31	4.89	3.00			4.41	2.24	5.73	2.72			6.73	2.18	31
	6.14	1.55			5.49	0.92	5.97				5.24		
MAXIMUM	6.49		6.56		7.17		6.55		6.73		6.87		MAXIMUM
MINIMUM	1.55		1.41		0.92		0.86		1.12		1.68		MINIMUM

LOCATION: LAT. 38 04 25 LONG. 121 51 18, SW SEC. 27, T3N, R1E
0.4 MILE SOUTHWEST OF COLLINSVILLE 3.3 MILES NORTHEAST
OF PITTSBURG.

PERIOD OF RECORD: JUNE 1929 TO DATE

TABLE 8-12 (CONTINUED)

DAILY TIDES

A9110 SACRAMENTO RIVER AT COLLINSVILLE
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	3.53	5.96	3.60	5.50	3.72	4.95	2.63	3.91	2.13	4.14	1.77	4.48	01
	1.65	4.76	1.42	4.99	2.23	5.75	2.28	5.41	3.54	6.05	3.27	6.82	
02	3.48	5.41	3.48	4.94	3.27	4.59	2.34	3.78	1.92	4.37	1.64	4.85	02
	1.58	4.70	1.32	4.99	2.40	5.88	2.71	5.77	3.74	6.22	3.10	6.19	
03	3.66	5.27	3.14	4.59	2.90	4.32	2.00	3.87	1.77	4.66	1.72	5.12	03
	1.89	5.63	1.64	5.24	2.79	5.99	3.04	5.98	3.79	6.56	2.82		
04	3.89	5.35	2.82	4.18	2.49	4.59	1.80	4.21	2.03	5.05	6.24	1.83	04
	2.04	5.36	1.52	5.05	3.42	6.51	3.39	6.14	3.70		5.36	2.44	
05	3.78	5.23	2.27	3.94	2.64	5.02	1.60	4.39	6.67	1.92	6.23	2.68	05
	2.25		1.82	5.04	3.61	6.65	3.44	6.37	5.14	3.52	5.63	2.53	
06	5.35	3.20	1.91	4.14	2.44	5.19	1.61	4.44	6.71	1.81	6.07	2.58	06
	5.12	2.95	2.08		3.76		3.62		5.15	3.13	5.96	2.52	
07	5.35	2.84	5.35	1.78	6.67	2.03	6.55	1.61	6.37	1.49	5.97	2.49	07
	5.18	2.74	4.41	2.37	5.18	3.78	4.83	3.58	4.97	2.54	6.26	2.44	
08	5.55	2.55	5.64	1.69	6.81	1.96	6.61	1.55	6.10	1.55	5.81	2.72	08
	5.20	2.27	4.68	2.71	5.24	3.82	4.91	3.45	5.21	2.50	6.51		
09	5.54	2.26	5.87	1.59	6.78	1.85	6.63	1.66	6.02	1.83	2.39	5.17	09
	5.21	2.61	4.76	2.82	5.32	3.86	5.05	3.21	5.58	2.57	2.80	6.44	
10	5.78	2.08	5.92	1.40	6.87	1.96	6.48	1.62	5.81	2.07	2.39	5.32	10
	5.24	2.75	4.71	2.88	5.57	4.04	5.14	3.10	5.90	2.68	3.14	6.44	
11	5.88	1.94	5.92	1.20	7.07	2.12	6.31	1.59	5.68	2.48	2.33	5.26	11
	5.20	2.91	4.57	2.89	5.67	3.92	5.30	2.94	6.20		3.54	6.53	
12	5.94	1.82	5.97	1.16	6.86	1.92	5.96	1.65	2.69	5.26	2.39	5.17	12
	5.69	3.05	4.79	3.26	5.56	3.69	5.56		2.60	6.26	3.75	6.41	
13	6.10	1.88	6.24	1.42	6.42	1.75	2.92	5.70	2.43	4.89	2.31	5.21	13
	5.22	3.47	5.14	3.64	5.73	3.78	1.83	5.93	2.75	6.27	3.75	6.14	
14	6.39	2.01	6.56	1.66	6.35	2.02	3.04	5.56	2.29	4.74	2.10	5.28	14
	5.19	3.53	5.09	3.55	5.94		2.27	6.19	3.21	6.30	3.51	5.88	
15	6.59	1.59	6.16	1.43	3.65	5.94	2.67	4.92	2.13	4.78	2.00	5.22	15
	4.90	3.61	5.21		2.15	6.13	2.17	6.02	3.49	6.39	3.26	5.87	
16	5.96	1.54	3.56	5.87	3.20	5.34	2.14	4.44	2.08	4.91	2.03	5.24	16
	4.82	3.75	1.42	5.36	2.12	6.31	2.48	6.22	3.54	6.31	2.95		
17	5.74	1.56	3.53	5.53	2.83	4.91	2.09	4.63	1.96	5.02	5.79	2.14	17
	4.91		1.35	5.31	2.73	6.45	3.14	6.44	3.39	6.23	5.36	2.85	
18	3.72	5.37	3.18	5.27	2.25	4.79	2.00	4.70	1.82	5.01	5.83	2.31	18
	1.28	4.71	1.69	5.78	2.92	6.68	3.29	6.51	3.22		5.49	2.81	
19	3.38	5.03	2.95	5.11	2.21	4.84	1.85	4.85	6.15	1.78	5.68	2.34	19
	1.17	4.78	2.15	6.22	2.92	6.50	3.48		5.02	3.02	5.44	2.55	
20	2.84	4.96	2.46	4.53	1.74	4.89	6.55	1.80	5.93	1.76	5.49	2.39	20
	1.36	5.28	1.61	5.81	3.33		4.94	3.42	5.11	2.97	5.48	2.33	
21	2.67	5.28	1.72	4.70	6.69	1.70	6.51	1.77	6.01	2.04	5.41	2.53	21
	1.80	5.73	2.30	6.23	4.95	3.41	5.01	3.37	5.37	3.06	5.60	2.25	
22	2.34	5.31	1.64	4.92	4.67	1.61	6.48	1.79	5.92	2.13	5.19	2.63	22
	1.90		2.62		5.04	3.54	5.12	3.37	5.32	2.84	5.48	2.01	
23	5.82	1.92	6.40	1.60	6.44	1.61	6.41	1.84	5.71	2.18	4.76	2.49	23
	5.14	3.35	5.04	2.87	5.09	3.54	5.19	3.26	5.39	2.70	5.41	1.77	
24	6.26	1.80	6.57	1.53	6.49	1.58	6.29	1.92	5.47	2.19	4.56	2.73	24
	5.55	2.73	5.11	3.22	5.01	3.22	5.22	3.22	5.41	2.63	5.50		
25	6.47	1.79	6.46	1.43	6.65	1.14	6.04	1.89	5.27	2.49	1.81	4.54	25
	5.34	2.75	5.16	3.30	4.85	3.15	5.34	3.25	5.64	2.76	3.12	5.47	
26	6.26	1.29	6.57	1.55	5.77	1.25	5.87	2.10	5.21	2.79	1.95	4.49	26
	5.00	2.59	5.32	3.57	5.04	3.27	5.55	3.30	5.81		3.52	5.78	
27	6.22	1.27	6.57	1.57	5.58	1.36	5.67	2.48	2.65	4.71	2.02	4.71	27
	4.88	2.89	5.27	3.60	5.07	3.17	5.82		2.73	5.46	3.77	5.78	
28	6.13	1.15	6.20	1.41	5.13	1.43	3.39	5.41	2.28	4.24	1.89	4.74	28
	4.90	3.20	5.23	3.68	5.19		2.61	5.96	2.92	5.61	3.75	5.48	
29	6.23	1.31	5.89	1.42	3.20	4.83	3.21	4.90	1.99	4.00	1.85	4.04	29
	4.94	3.51	5.39		1.71	5.33	2.63	5.88	3.20	5.61	3.50	5.71	
30	5.89	1.39	3.99	5.82	2.97	4.31	2.81	4.26	1.78	4.13	1.89	5.16	30
	5.85		1.79	5.64	1.90	5.46	2.78	5.74	3.56	5.88	3.14	5.82	
31			4.02	5.48			2.35	3.97	1.75	4.52			31
			2.01	5.73			3.15	5.82	3.69	6.07			
MAXIMUM	6.47		6.66		7.07		6.03		6.71		6.53		MAXIMUM
MINIMUM	1.15		1.16		1.14		1.55		1.49		1.64		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 9.2 - 4/6/58

ZERO OF GAGE: 1929 0.00 USED
1929 -3.05 USCGS
1964 -3.56 USCGS
1964 TO DATE -3.00 USCGS

TABLE 8-12 (CONTINUED)

DAILY TIDES

895820 SAN JOAQUIN RIVER AT MOSSDALE BRIDGE
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	3.46	3.88	4.23	4.43	3.05	3.66	2.38	3.25	3.18	3.83	3.05	3.91	01
	3.51	4.13	4.16	4.92	3.40	4.43	2.91	3.67	3.20		2.99	3.46	
02	3.60	4.03	3.94	4.37	3.15	3.86	2.79	3.42	3.59	3.35	2.90	3.76	02
	3.73	4.46	4.11	4.82	3.56	4.40	2.82	3.23	4.45	3.40	2.79		
03	3.64	3.97	3.94	4.43	3.26	3.86	2.15	2.91	3.59	3.08	3.06	2.76	03
	3.55	4.14	4.23	4.84	3.43		2.08		4.04	2.70	3.73	2.71	
04	3.30	3.69	4.04	4.47	4.35	3.64	2.55	2.21	3.21	2.93	3.15	2.82	04
	3.38	4.20	4.24	4.96	4.62	4.14	3.44	2.77	4.25		3.88	2.69	
05	3.28	3.65	4.00	4.38	4.67	3.67	2.98	2.71	3.12	3.63	3.37	3.12	05
	3.35	4.25	4.16		4.25	3.74	3.51		3.49	4.35	4.07		
06	3.18	3.46	4.67	3.76	4.12	3.43	2.73	2.83	3.65	4.20	2.88	3.43	06
	3.17	4.07	4.22	3.77	4.13	3.66	2.62	3.81	4.10	4.95	3.21	3.95	
07	2.98	3.38	4.15	3.09	3.95	3.56	2.64	2.91	NR	NR	2.92	3.40	07
	3.18	4.26	3.77	3.30	4.29	3.74	2.40	3.67			3.30	4.40	
08	3.07	3.53	3.90	2.90	4.03	3.70	2.38	3.15	5.12	5.50	3.56	4.14	08
	3.26		3.62	2.96	4.29		3.09	4.64	5.39	5.77	3.89	4.52	
09	4.12	2.97	3.44	2.75	3.67	3.95	3.27	3.59	5.34	5.75	3.77	4.28	09
	3.51	3.16	3.58		3.72	4.41	3.36	4.25	5.58	5.95	4.01	4.50	
10	3.94	2.89	NR	NR	3.68	3.91	2.93	3.26	5.42	5.83	3.33	4.32	10
	3.47	2.97			3.71	4.54	3.09	4.07	5.46	5.82	4.45	4.77	
11	3.70	2.71	NR	NR	3.70	4.02	2.99	3.36	5.28	5.63	4.11	4.53	11
	3.48				3.82	4.57	3.20	4.03	5.36	5.72	4.13	4.80	
12	2.80	3.44	NR	NR	3.69	4.03	3.05	3.34	5.34	5.73	4.20	4.82	12
	2.74	3.48			3.82	4.77	3.16	3.67	5.48	5.83	4.46	4.87	
13	2.92	3.46	NR	NR	3.74	4.09	2.77	3.00	5.41	5.90	4.55	4.99	13
	2.86	3.70			3.87	4.41	2.82	3.47	5.60	5.95	4.71	5.14	
14	3.03	3.51	NR	NR	3.55	3.79	2.27	2.69	5.62	6.17	4.57	4.94	14
	2.98	3.83			3.64	4.40	2.28	3.12	5.98		4.50	4.93	
15	3.02	3.39	NR	NR	3.58	3.82	2.37	3.07	6.22	6.08	4.65	5.20	15
	2.86	3.73			3.66	4.15	2.87	3.47	6.48	6.33	4.87	5.36	
16	2.78	3.18	2.85	3.42	3.47	3.74	2.85	3.43	6.36	6.71	5.19	5.69	16
	2.71	3.80	3.11	4.10	3.63	4.31	3.13	3.44	6.68	6.70	5.03	5.23	
17	2.71	3.16	2.83	3.33	3.52	3.92	2.91	3.39	6.31A	5.80A	4.89	5.41	17
	2.84	3.96	3.08	3.80	3.67	4.16	3.06	3.30			4.82		
18	2.99	3.43	2.71	3.38	3.25	3.69	2.90	3.30	5.80A	5.19A	5.17	5.05	18
	3.12	4.16	3.19	3.84	3.37	3.70	2.94	3.07			5.66	4.87	
19	3.12	3.54	2.73	3.36	2.88	3.47	2.76	3.31	NR	NR	5.16	4.94	19
	3.25	4.17	3.05		3.10	3.40	2.69				5.52	4.78	
20	3.11	3.61	3.43	2.60	2.78	3.36	2.78	2.53	NR	NR	NR	NR	20
	3.31	4.07	3.28	3.05	2.97		3.27	2.37					
21	3.04	3.37	3.59	2.66	3.05	2.63	2.47	2.15	NR	NR	5.23	5.12	21
	3.15		3.96	3.43	3.22	2.89	3.09	2.05			5.41	5.09	
22	3.63	2.95	3.55	2.65	3.64A	2.55A	2.54	2.45	NR	NR	5.60	5.41	22
	3.50	3.26	3.54	2.74			3.72				5.82		
23	3.81	3.14	2.90	2.33	2.99A	3.27A	2.80	3.13	4.50	4.69	NR	NR	23
	3.64	3.47	3.17				3.06	4.05	4.54	4.13			
24	3.83	3.48	2.43	2.62	2.12	2.24	3.04	3.41	4.22	4.41	5.50	5.80	24
	4.01	3.73	2.24	3.13	1.95	3.06	3.33	4.20	4.16	4.65	5.61	5.92	
25	4.07	3.75	2.47	2.86	1.95	2.33	3.15	3.56	3.90	4.30	5.37	6.00	25
	4.21	3.95	2.60	3.75	2.20	3.52	3.41	4.27	3.88	4.50	5.64	6.36	
26	4.30	4.00	2.71	3.09	2.35	2.76	3.20	3.59	3.98	4.43	5.61	6.07	26
	4.45		2.79	3.85	2.62	3.94	3.43		4.15	4.65	5.78	6.09	
27	4.09	4.41	2.78	3.26	2.42	2.78	3.04	3.26	4.07	4.32	5.63	6.20	27
	4.09	4.53	2.99	4.08	2.46	4.11	3.04	4.18	3.80	4.12	5.80	6.00	
28	4.08	4.52	2.95	3.39	2.64	3.69	2.48	2.86	3.46	3.92	5.48	6.00	28
	4.25	5.11	3.17	4.20	3.38	4.38	2.25	3.53	3.22	3.62	5.33	5.55	
29	4.33	4.53	2.98	3.32	3.16	3.67	2.55	3.25			5.22	5.79	29
	4.24	4.79	3.11	4.28	3.37	4.21	2.94	3.75			5.18	5.44	
30	4.20	4.47	3.01	3.49	2.89	3.28	3.00	3.65			5.17	5.75	30
	4.28	4.77	3.23	4.40	2.99	4.28	3.18	3.77			5.24		
31	4.27	4.52			2.80	3.09	3.11	3.60			5.56	5.40	31
	4.34	4.85			2.47	3.29	3.01	3.72			6.21	5.50	
MAXIMUM	5.11		NR		4.77A		4.64		NR		NR		MAXIMUM
MINIMUM	2.71		NR		1.95A		2.05		NR		NR		MINIMUM

NR - NO RECORD

A - HIGH FLOWS AFFECTED THE NORMAL TIDAL PATTERN

LOCATION: LAT. 37 47 12, LONG. 121 18 21, SW SEC. 3, T2S, R6E, ON OLD U.S. HWY 50 BRIDGE, 3.0 MILES SW OF LATHROP.

PERIOD OF RECORD: 1920 TO DATE

TABLE 8-12 (CONTINUED)

DAILY TIDES

895620 SAN JOAQUIN RIVER AT MOSSDALE BRIDGE
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	5.75	5.37	2.83	2.28	4.51	4.00	2.90	1.51	3.00	0.65	3.06	1.29	01
	5.65	4.85	3.14	1.57	4.39	3.91	1.83	1.07	1.51	1.10	2.27	1.70	
02	NR	NR	2.77	2.11	4.93	4.53	2.89	1.16	3.03	0.59	2.97	1.17	02
			2.62	1.22	4.91	4.66	1.56	1.01	1.58	1.19	2.22	1.56	
03	4.49	5.20	2.51	1.71	5.46	5.01	2.93	0.99	2.99	0.61	2.94	1.23	03
	4.49		2.31	1.27	5.18	5.01	1.70	1.33	1.66	1.29	2.34		
04	3.63	4.11	2.80	2.06	5.81	5.42	3.22	1.04	3.28	0.90	1.49	2.86	04
	3.78	4.02	2.44	1.89	5.71	5.66	1.94	1.67	2.23	1.59	1.22	2.42	
05	3.20	3.76	3.01	2.43	6.58	6.01	3.39	1.10	3.08	0.90	1.46	2.85	05
	3.36	3.70	2.77	2.34	6.16		2.03	1.62	2.36		1.39	2.80	
06	2.96	3.55	3.12	2.47	5.90	6.46	3.57	1.29	1.56	3.01	1.74	3.01	06
	3.12	3.54	2.82		5.52	5.82	2.41	2.00	0.92	2.38	1.67	3.04	
07	2.90	3.55	2.46	3.36	5.62	6.30	3.81	1.42	1.34	2.64	1.93	3.08	07
	3.12	3.66	2.64	3.13	5.57	5.91	2.49		0.62	1.91	1.86	3.31	
08	3.09	3.73	2.84	3.68	5.78	6.49	1.88	3.71	0.93	2.49	2.06	3.13	08
	3.16	3.78	2.84	3.39	5.77	6.04	1.25	2.39	0.60	1.95	2.01	3.62	
09	3.34	4.03	3.04	3.94	5.92	6.62	1.80	3.77	0.92	2.41	2.12	2.98	09
	3.65	4.20	2.89	3.48	5.94	6.24	1.42	2.53	0.72	2.07	2.05	3.66	
10	3.84	4.39	3.12	3.99	6.14	6.83	1.79	3.60	1.00	2.26	2.11	2.99	10
	3.90	4.38	2.94	3.33	6.14		1.35	2.52	0.81	2.35	2.14	3.74	
11	3.99	4.49	3.00	3.83	6.45	6.32	1.66	3.28	1.19	2.33	2.05	2.98	11
	3.94	4.50	2.68	2.97	7.01	6.17	1.04	2.49	1.12		2.25		
12	4.04	4.52	2.68	3.68	6.47	6.26	1.45	3.07	2.03	1.33	3.89	2.13	12
	3.82	4.25	2.46	3.08	6.78	5.80	1.02		2.27	1.17	3.07	2.38	
13	3.88	4.52	2.77	3.82	5.98	5.57	2.64	1.41	2.91	1.20	3.96	2.14	13
	3.70		2.49	3.57	5.94	4.76	2.85	1.07	2.03	1.13	3.16	2.67	
14	4.16	3.95	3.23	4.40	5.24	4.90	3.06	1.59	2.82	1.03	3.86	2.10	14
	4.69	3.65	2.97		5.64	4.95	2.86	1.26	1.89	1.18	3.10	2.48	
15	4.16	3.75	3.75	3.39	5.67	5.40	3.25	1.35	2.78	0.88	3.63	2.11	15
	4.37	3.24	4.45	2.98	5.91	5.54	2.23	0.86	2.11	1.41	3.15	2.46	
16	3.70	3.41	3.77	3.41	6.20	5.86	2.92	0.95	2.97	0.92	3.55	2.02	16
	4.23	2.94	4.29	3.05	6.05	5.72	1.80	0.84	2.00	1.44	3.17		
17	3.47	3.11	3.90	3.42	6.26	5.81	3.09	1.04	2.87	0.88	2.33	3.44	17
	4.01	2.67	4.05	2.92	6.01	5.81	2.15	1.45	2.09	1.52	2.12	3.28	
18	3.33	2.94	3.85	3.38	6.42	5.88	3.50	1.13	2.88	1.21	2.33	3.39	18
	3.54	2.40	4.05	3.23	6.02	5.87	2.24	1.56	2.39		2.14	3.36	
19	3.12	2.70	4.37	3.64	6.46	5.83	3.57	1.13	1.78	3.08	2.41	3.41	19
	3.24	2.10	4.16	3.47	5.95	5.70	2.39	1.71	1.51	2.61	2.21	3.37	
20	2.97	2.48	4.79	4.01	6.16	5.15	3.58	1.25	1.96	3.10	2.26	3.14	20
	3.67	2.21	4.20		5.22		2.50		1.65	2.73	2.00	3.19	
21	3.18	2.56	3.37	4.25	4.75	5.24	1.80	3.63	2.01	3.13	2.21	3.13	21
	3.45		3.47	3.82	3.53	3.81	1.25	2.42	1.68	2.84	2.16	3.22	
22	2.52	3.52	3.42	4.52	3.37	4.51	1.65	3.50	2.02	3.09	2.18	2.97	22
	2.66	3.42	3.53	3.93	2.78	3.40	1.08	2.39	1.65	2.76	2.16	3.30	
23	2.37	3.35	3.53	4.66	2.97	4.33	1.52	3.26	1.85	2.87	2.11	2.78	23
	2.22	3.05	3.48	3.90	2.58	3.22	0.96	2.40	1.54	2.71	2.15	3.17	
24	2.25	3.37	3.51	4.71	2.69	3.96	1.46	3.24	1.76	2.68	2.04	2.65	24
	2.19	3.23	3.42	3.92	2.16	2.96	0.91	2.42	1.49	2.60	2.25	3.37	
25	2.40	3.73	3.59	4.80	2.40	3.56	1.42	3.10	1.59	2.50	2.18	2.73	25
	2.28	3.19	3.52	3.99	1.77	2.69	0.89	2.52	1.46	2.83	2.55	3.69	
26	2.42	3.83	3.69	4.87	2.11	3.27	1.44	2.98	1.63	2.55	2.65	3.47	26
	2.17	2.91	3.54	4.12	1.50		0.85	2.70	1.54	2.98	3.40	4.05	
27	2.31	3.66	3.81	4.91	2.62	2.00	1.42	2.96	1.42	2.12	3.10	3.46	27
	2.17	2.99	3.58		3.21	1.44	1.21		1.25	2.75	3.15		
28	2.38	3.53	4.12	3.81	2.66	1.91	3.13	1.66	1.14	1.82	4.10	3.10	28
	2.09	2.97	4.72	3.55	2.87	1.31	2.74	1.09	1.16		3.49	3.26	
29	2.37	3.48	4.08	3.76	2.68	1.80	3.09	1.35	2.68	0.93	3.88	3.07	29
	1.83		4.53	3.36	2.62	1.32	2.28	0.93	1.71	1.32	3.46	3.20	
30	2.82	2.34	4.12	3.84	2.81	1.78	2.87	1.00	2.72	0.82	3.88	2.97	30
	3.38	1.74	4.51	3.49	2.23	1.25	1.62	0.64	1.72	1.48	3.51	3.15	
31			4.37	3.97			2.90	0.76	2.93	0.93			31
			4.42	3.59			1.49	0.78	1.91	1.62			
MAXIMUM	NR		4.91		7.01		3.81		3.28		4.10		MAXIMUM
MINIMUM	NR		1.22		1.25		0.64		0.59		1.17		MINIMUM

NR - NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 24.4 - 12-10-50

ZERO OF GAGE: 1920 TO 1943 5.16 USED
1943 0.00 USCGS
1964 -0.17 USCGS
1964 TO DATE 0.00 USCGS

TABLE A-12 (CONTINUED)

DAILY TIDES

B95400 OLD RIVER AT MEAD
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	1.05	3.02	1.74	3.57	2.30	3.25	1.58	2.84	2.42	3.30	2.31	3.52	01
	1.21	3.10	2.87	4.26	2.74	4.06	2.18	3.22	2.47		2.25	3.02	
02	1.31	3.20	2.52	3.63	2.36	3.46	1.94	2.86	3.04	2.56	2.20	3.40	02
	1.67	3.84	3.07	4.18	2.91	4.02	2.09	2.79	3.99	2.68	2.05	2.47	
03	1.40	3.20	2.69	3.62	2.47	3.44	1.43	2.53	3.08	2.38	2.02	3.24	03
	1.56	3.17	3.12	4.11	2.80	3.93	1.41	2.09	3.71	2.10	1.95		
04	1.03	2.95	2.74	3.67	2.85	4.23	1.37	2.90	2.86	2.41	2.67	2.19	04
	1.49	3.37	3.22	4.36	3.47	4.18	1.95		4.00	2.35	3.51	1.98	
05	1.00	2.88	2.87	3.57	2.86	3.69	2.31	1.81	3.06	2.73	2.94	2.49	05
	1.61	3.42	3.20	4.01	2.96		2.94	1.89	3.83		3.70	2.13	
06	0.86	2.70	2.70	3.59	3.61	2.53	2.11	1.80	2.71	3.41	2.93	2.60	06
	1.54	3.31	2.89		3.59	2.80	3.38	1.91	3.23	4.24	3.56	2.13	
07	0.61	2.70	3.63	2.17	3.33	2.60	2.49	1.80	3.44	4.17	2.79	2.60	07
	1.72	3.57	3.23	2.54	3.68	2.81	3.35		3.96	4.76	3.96		
08	0.87	2.92	3.50	2.07	3.36	2.75	1.65	2.58	3.93	4.55	2.78	3.58	08
	1.82		3.16	2.19	3.53		2.44	4.23	4.27	4.91	3.13	3.98	
09	3.68	0.68	3.01	1.92	2.69	3.26	2.46	3.01	4.13	4.82	2.92	3.67	09
	2.94	1.64	3.14	2.06	2.79	3.83	2.58	3.76	4.48	5.14	3.18	3.91	
10	3.49	0.59	2.85	1.96	2.73	3.20	2.07	2.50	4.33	5.07	2.95	3.65	10
	2.69	1.30	3.18		2.83	4.02	2.28	3.59	4.42	5.01	3.20	4.26	
11	3.25	0.56	1.98	2.80	2.79	3.41	2.06	2.64	4.12	4.73	3.21	3.90	11
	2.93	0.97	1.96	3.55	2.98	4.06	2.35	3.48	4.24	4.83	3.26	4.25	
12	2.67	0.43	2.03	2.67	2.78	3.42	2.10	2.59	4.13	4.82	3.28	4.17	12
	2.86		2.04	3.67	3.01	4.35	2.26	3.04	4.33	4.93	3.45	4.09	
13	0.78	2.87	2.01	2.72	2.83	3.48	1.81	2.29	4.24	5.06	3.48	4.17	13
	0.70	3.10	2.20	4.01	3.03	3.85	1.97	2.96	4.48	5.06	3.68	4.46	
14	0.79	2.73	2.20	2.83	2.60	3.06	1.49	2.24	4.45	5.28	3.61	4.18	14
	0.79	3.25	2.35	4.21	2.79	3.88	1.59	2.73	4.80	5.18	3.51	4.20	
15	0.74	2.49	2.34	3.22	2.03	3.11	1.44	2.41	4.78	5.33	3.65	4.36	15
	0.78	3.23	2.52	3.99	2.81	3.55	2.01	2.89	5.02	5.33	3.78	4.52	
16	0.53	2.33	2.15	3.05	2.50	3.02	1.86	2.72	4.98	5.55	4.14	4.92	16
	0.84	3.37	2.51	3.87	2.79	3.81	2.23	2.79	5.04	5.08	3.98	4.41	
17	0.49	2.21	2.13	2.90	2.57	3.13	1.89	2.63	4.72	5.14	3.87	4.67	17
	1.02	3.16	2.46	3.44	2.89	3.52	2.13	2.56	4.51		3.72		
18	0.66	2.56	1.94	2.95	2.39	3.03	1.83	2.57	4.53	4.28	4.28	4.01	18
	1.35	3.71	2.57	3.49	2.64	3.08	2.02		4.75	3.98	4.88	3.86	
19	0.82	2.75	1.96	2.94	2.06	2.82	2.31	1.83	4.15	3.96	4.25	3.94	19
	1.69	3.60	2.41	3.02	2.39	2.77	2.58	1.87	4.56	3.74	4.84	3.71	
20	0.92	3.02	1.79	2.81	1.88	2.79	1.96	1.65	4.16	4.10	4.14	3.96	20
	1.86	3.70	2.42	3.23	2.18		2.66	1.64	4.81		4.60	3.69	
21	0.76	2.30	1.93	3.65	2.37	1.73	1.91	1.49	3.82	4.23	4.31	4.10	21
	1.64		2.91		2.64	2.10	2.80	1.30	4.07	4.74	4.58	3.98	
22	3.05	0.51	3.20	1.93	2.41	1.87	1.97	1.84	3.64	3.94	4.74	4.41	22
	2.69	1.81	3.17	2.08	3.04	1.88	3.26		3.70	4.23	5.04		
23	3.32	0.79	2.47	1.60	1.95	1.52	1.94	2.48	3.34	3.71	4.09	4.64	23
	2.60	1.68	2.74	1.73	2.88		2.33	3.58	3.48	4.06	4.36	4.92	
24	3.00	0.89	2.13	1.53	1.45	1.68	2.16	2.76	3.17	3.54	4.30	4.80	24
	2.76	1.64	2.73		1.30	2.79	2.53	3.74	3.15	3.98	4.44	5.11	
25	3.10	1.25	1.76	2.39	1.28	1.89	2.29	2.94	2.94	3.68	4.26	5.32	25
	3.06	1.76	1.89	3.38	1.58	3.19	2.61	3.76	2.98	3.94	4.68	5.69	
26	3.32	1.66	1.97	2.66	1.59	2.23	2.36	2.98	3.01	3.47	4.60	5.28	26
	3.23		2.09	3.50	1.99	3.61	2.66	3.94	3.14	3.98	4.69	5.24	
27	1.83	3.39	2.03	2.83	1.74	2.42	2.23	2.68	3.07	3.50	4.50	5.39	27
	1.76	3.39	2.30	3.73	1.93	3.88	2.33	3.84	2.86	3.49	4.82	5.11	
28	1.79	3.67	2.16	2.93	2.03	3.30	1.87	2.54	2.59	3.34	4.34	5.19	28
	2.41	4.41	2.47	3.85	2.72	4.01	1.65	3.27	2.38	3.10	4.17	4.60	
29	2.31	3.59	2.20	2.81	2.40	3.24	1.79	2.76			4.17	4.96	29
	2.13	3.95	2.43	3.95	2.65	3.85	2.18	3.29			4.03	4.52	
30	1.80	3.40	2.25	3.04	2.11	2.75	2.18	3.04			4.07	4.87	30
	2.17	3.67	2.57	4.10	2.31	3.94	2.38	3.23			4.05		
31	1.79	3.39			2.17	2.72	2.29	3.03			NR	NR	31
	2.20	3.83			1.83	2.97	2.20	3.24					
MAXIMUM	4.41		4.36		4.35		4.23		5.55		NR		MAXIMUM
MINIMUM	0.43		1.53		1.28		1.38		2.10		NR		MINIMUM

NR - NO RECORD

LOCATION: LAT. 37 48 27, LONG. 121 19 44, NE SEC. 32, T15, R6E, 500 FEET BELOW SAN JOAQUIN RIVER, 3.0 MILES WEST OF LATHROP.

PERIOD OF RECORD: 1972 TO DATE

TABLE 8-12 (CONTINUED)

DAILY TIDES

895400 OLD RIVER AT MEAD
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	NR	NR	2.54	1.79	3.96	3.22	2.87	1.20	3.02	0.41	2.84	0.84	01
			2.85	0.95	3.73	2.90	1.73	0.77	1.37	0.94	2.02	1.34	
02	4.12	3.70	2.50	1.62	4.29	3.51	2.88	0.88	2.94	0.32	2.76	0.73	02
	4.17	3.16	2.30	0.62	3.88	3.33	1.50	0.78	1.45	1.04	2.00	1.21	
03	3.65	3.29	2.22	1.23	4.49	3.63	2.93	0.70	2.89	0.35	2.74	0.78	03
	3.75	2.66	2.01	0.72	3.97	3.62	1.64	1.15	1.53	1.14	2.14		
04	3.47	3.01	2.50	1.46	4.81	3.96	3.23	0.75	3.17	0.62	1.13	2.66	04
	3.40	2.31	1.94	1.08	4.41	4.23	1.90	1.42	2.11	1.42	0.79	2.22	
05	3.18	2.66	2.51	1.62	5.56	4.51	3.40	0.82	2.96	0.61	1.10	2.63	05
	3.13	2.13	2.14	1.48	4.95	4.52	1.99	1.44	2.26	1.38	1.00	2.56	
06	2.99	2.36	2.58	1.61	5.50	4.23	3.58	0.97	2.88	0.60	1.32	2.76	06
	2.92		2.21	1.64	4.80	4.39	2.36	1.82	2.27		1.25	2.80	
07	2.06	2.93	2.04	1.73	5.43	4.21	3.80	1.11	1.12	2.51	1.47	2.79	07
	2.32	3.08	2.49	1.97	4.82		2.48		0.31	1.77	1.46	3.01	
08	2.24	3.14	3.12	1.90	4.50	5.61	1.72	3.71	0.69	2.36	1.60	2.83	08
	2.34	3.17	2.74		4.38	4.93	0.95	2.39	0.30	1.80	1.62	3.35	
09	2.45	3.33	2.21	3.40	4.62	5.66	1.02	3.75	0.66	2.26	1.59	2.69	09
	2.66	3.49	1.99	2.91	4.47	5.07	1.10	2.59	0.42	1.92	1.57	3.39	
10	2.89	3.63	2.31	3.46	4.79	5.84	1.59	3.60	0.75	2.12	1.81	2.70	10
	2.89	3.61	2.03	2.71	4.65	5.31	1.04	2.51	0.52	2.20	1.70	3.47	
11	3.02	3.75	2.20	3.33	4.99	6.08	1.48	3.20	0.91	2.15	1.53	2.63	11
	2.94	3.81	1.76	2.31	4.80	5.42	0.80	2.48	0.81	2.69	1.90		
12	3.15	3.85	1.90	3.17	4.98	5.88	1.28	3.04	1.06	2.10	3.01	1.61	12
	2.85	3.49	1.58	2.56	4.46	4.98	0.77	2.63	0.89		2.74	2.07	
13	3.01	3.91	2.06	3.38	4.39	5.12	1.24	2.84	2.77	0.91	3.66	1.64	13
	2.75	3.49	1.68	3.16	3.57		0.84		1.85	0.88	2.79	2.21	
14	3.09	4.14	2.61	3.98	4.47	3.90	3.05	1.42	2.68	0.73	3.55	1.61	14
	2.77	3.58	2.18	3.28	4.90	3.71	2.66	1.04	1.72	0.97	2.71	1.99	
15	2.98	3.82	2.70	4.65	4.93	4.31	3.25	1.18	2.63	0.57	3.32	1.50	15
	2.38	3.16	2.14		5.08	4.26	2.24	0.67	1.95	1.22	2.81	1.93	
16	2.70	3.71	3.29	2.68	5.35	4.61	2.91	0.76	2.84	0.62	3.21	1.48	16
	2.14		3.82	2.15	5.06	4.44	1.81	0.66	1.83	1.26	2.84		
17	2.99	2.53	3.38	2.67	5.39	4.57	3.11	0.82	2.72	0.60	1.77	3.08	17
	3.60	1.94	3.49	2.04	4.99	4.57	2.13	1.30	1.89	1.28	1.48	2.93	
18	2.93	2.34	3.31	2.54	5.55	4.60	3.50	0.97	2.70	0.80	1.76	3.04	18
	3.13	1.63	3.48	2.33	4.92	4.60	2.23	1.43	2.19	1.43	1.55	3.01	
19	2.73	2.08	3.85	2.80	5.65	4.58	3.57	0.93	2.67	1.04	1.83	3.04	19
	2.80	1.36	3.55	2.61	4.90	4.49	2.37	1.56	2.35		1.59	3.00	
20	2.55	1.83	4.38	3.19	5.42	4.04	3.58	1.01	1.54	2.86	1.66	2.74	20
	2.71	1.44	3.60	2.45	4.39	3.65	2.50	1.65	1.15	2.46	1.47	2.79	
21	2.76	1.88	3.74	2.53	4.80	2.81	3.62	0.98	1.58	2.87	1.56	2.70	21
	3.04	1.00	3.17	2.48	3.37		2.43		1.19	2.61	1.55	2.78	
22	3.17	2.00	4.02	2.57	2.76	4.31	1.50	3.51	1.04	2.86	1.50	2.49	22
	3.09		3.29		2.14	3.12	0.85	2.37	1.19	2.54	1.50	2.85	
23	1.70	3.01	2.64	4.19	2.47	4.18	1.42	3.27	1.45	2.63	1.37	2.23	23
	1.57	2.72	2.56	3.32	2.00	3.03	0.77	2.41	1.09	2.46	1.26	2.62	
24	1.59	3.04	2.67	4.27	2.29	3.86	1.36	3.25	1.35	2.43	1.08	1.95	24
	1.52	2.93	2.52	3.35	1.64	2.79	0.73	2.43	1.05	2.34	1.13	2.58	
25	1.91	3.45	2.79	4.35	1.99	3.45	1.29	3.10	1.18	2.26	0.96	1.99	25
	1.64	2.93	2.66	3.43	1.25	2.55	0.73	2.52	1.04	2.65	1.18	2.61	
26	1.85	3.32	2.86	4.42	1.75	3.16	1.32	2.98	1.28	2.34	0.90	1.90	26
	1.49	2.57	2.61	3.59	1.06	2.56	0.75	2.71	1.22	2.83	1.09	2.98	
27	1.72	3.36	3.03	4.48	1.71	3.15	1.32	2.94	1.10	1.93	0.74	2.22	27
	1.47	2.52	2.65	3.57	1.02	2.61	1.05	3.15	0.90	2.58	1.88		
28	1.77	3.16	3.04	4.23	1.65	2.83	1.55	2.75	0.76	1.61	3.24	0.78	28
	1.38	2.55	2.61		0.91		0.95	3.10	0.84	2.50	2.25	1.68	
29	1.81	3.16	3.52	2.97	2.64	1.52	1.25	2.27	0.55	1.48	2.93	0.66	29
	1.20	2.55	4.02	2.40	2.58	0.93	0.80		1.02		2.43	1.52	
30	1.84	3.11	3.57	3.07	2.76	1.46	2.88	0.88	2.53	0.48	2.99	0.74	30
	1.08		3.99	2.55	2.12	0.87	1.60	0.52	1.49	1.23	2.51	1.41	
31			3.85	3.20			2.92	0.61	2.75	0.60			31
			3.87	2.64			1.47	0.70	1.66	1.31			
MAXIMUM	NR		4.48		6.08		3.80		3.17		3.66		MAXIMUM
MINIMUM	NR		0.62		0.87		0.52		0.30		0.66		MINIMUM

NR = NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 7.1 - 1-18-73

ZERO OF GAGE: 1972 TO DATE 0.00 USCGS

TABLE 8-12 (CONTINUED)

DAILY TIDES

B95740 SAN JOAQUIN RIVER AT BRANDT BRIDGE
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	4.27	6.44	4.56	6.35	4.06	6.22	3.28	5.91	4.24	6.73	4.28	7.02	01
	4.41	6.97	5.10	7.46	5.01	7.55	4.19	6.52	4.35	6.18	4.23	6.41	
02	4.49	6.54	4.45	6.36	4.10	6.43	3.61	6.17	4.61	7.41	4.27	6.91	02
	4.85	7.27	5.19	7.41	5.15	7.39	4.07	5.99	4.61	6.11	3.95	5.80	
03	4.58	6.57	4.32	6.25	4.15	6.49	3.27	5.96	4.43	7.18	4.02	6.68	03
	4.76	7.13	5.13	7.24	5.00	7.18	3.55	5.39	4.16		3.74		
04	4.26	6.36	4.28	6.22	4.69	7.20	3.13	6.32	6.08	4.99	5.73	4.50	04
	4.74	7.19	5.13	7.15	5.62	7.28	3.76		7.53	4.26	6.97	3.96	
05	4.26	6.27	4.30	6.35	4.50	6.79	5.17	3.47	5.90	4.82	6.06	4.91	05
	4.84	7.24	5.11	6.92	4.89	6.28	6.32	3.57	7.13	4.24	7.10	4.03	
06	4.15	6.11	4.13	6.29	4.03	6.61	5.00	3.72	5.91	5.02	6.18	5.05	06
	4.84	7.08	4.86	6.41	4.53		6.83	3.83	7.12		6.95	3.95	
07	3.96	6.13	3.83	6.48	5.79	4.07	5.59	4.19	4.62	6.35	5.97	4.83	07
	5.05	7.31	4.69		6.78	4.37	6.93	3.66	5.49	7.43	7.28	4.66	
08	4.17	6.32	6.43	3.84	5.76	4.25	5.90	4.85	5.01	6.65	6.77	5.29	08
	5.13	7.07	6.43	4.16	6.70	4.13	7.68		5.71	7.56	7.17	4.69	
09	4.02	6.40	5.95	3.72	5.64	4.41	4.42	6.15	5.28	7.24	6.63	5.21	09
	4.94		6.44	3.93	6.97	4.16	4.73	7.10	6.00	7.90	7.12		
10	6.93	3.93	5.78	3.79	5.84	4.58	3.74	5.65	5.77	7.46	4.64	6.75	10
	6.41	4.59	6.51	3.76	7.19		4.42	6.95	6.02	7.70	5.09	7.19	
11	6.72	3.90	5.74	3.87	4.24	5.93	3.70	5.68	5.42	6.99	4.97	6.93	11
	6.44	4.27	6.66		4.79	7.25	4.43	6.86	5.70	7.42	5.14	7.15	
12	6.50	3.76	3.80	5.76	4.21	5.97	3.67	5.62	5.31	7.03	4.91	6.89	12
	6.42	4.08	4.04	6.87	4.87	7.29	4.22	6.44	5.70	7.47	5.06	6.90	
13	6.43	3.99	3.78	5.93	4.32	6.07	3.36	5.41	5.47	7.39	4.93	6.97	13
	6.65		4.31	7.14	4.90	7.13	4.00	6.35	5.96	7.52	5.23	7.09	
14	4.06	6.42	3.98	6.07	3.98	5.80	3.29	5.55	5.85	7.60	5.16	6.99	14
	4.08	6.79	4.54	7.35	4.62	6.96	3.97	6.16	6.23	7.29	5.05	6.69	
15	4.03	6.28	4.17	6.27	4.01	5.83	3.23	5.71	5.91	7.44	5.25	7.05	15
	4.10	6.77	4.79	7.32	4.66	6.70	4.10	6.14	6.00	7.03	5.09	6.76	
16	3.85	6.17	3.98	6.15	3.82	5.75	3.49	5.92	5.91	7.62	5.73	7.63	16
	4.16	6.91	4.82	7.18	4.63	6.58	4.18	5.81	6.11	6.65	5.41	6.62	
17	3.82	6.16	3.92	6.12	3.94	6.03	3.45	5.79	5.73	7.24	5.43	7.15	17
	4.32	7.02	4.75	6.78	4.81	6.50	3.98	5.30	5.57	6.19	4.98	6.45	
18	3.94	6.16	3.67	6.13	3.83	6.07	3.39	5.82	5.41	7.00	5.65	7.32	18
	4.59	7.14	4.95	6.74	4.66	5.96	3.81	5.01	5.05		5.24	6.37	
19	4.09	6.39	3.72	6.03	3.55	5.93	3.45	5.64	5.81	5.34	5.65	7.37	19
	4.93	7.26	4.71	6.11	4.41	5.49	3.58	4.60	7.08	4.88	5.13		
20	4.20	6.42	3.50	6.05	3.41	5.89	3.46	6.03	6.17	5.87	6.42	5.74	20
	5.11	7.08	4.78	6.16	4.14	5.01	3.51		7.34	4.86	7.18	4.85	
21	4.64	6.17	3.81	7.07	3.34	5.99	4.79	3.85	6.11	5.59	6.34	5.72	21
	4.90	6.58	5.48	6.14	4.10	5.07	6.29	3.27	7.32	4.67	6.93	5.36	
22	3.84	6.29	3.93	6.46	3.62	6.31	4.89	4.10	5.87	5.13	7.28	6.15	22
	5.07	6.59	4.25		3.78		6.60	3.52	6.92		7.67	5.53	
23	4.06	6.32	5.25	3.55	4.76	3.57	5.17	4.41	4.38	5.99	7.16	6.02	23
	4.87		6.11	3.76	6.22	3.37	6.90	3.71	4.88	6.97	7.54	5.52	
24	6.11	4.06	5.05	3.54	4.63	3.59	5.46	4.56	4.31	6.12	7.21	5.86	24
	6.36	4.77	6.11	3.79	6.23	3.18	7.07		4.67	7.08	7.63	5.56	
25	6.16	4.35	5.66	4.03	4.97	3.90	3.84	5.70	4.33	6.43	7.99	6.55	25
	6.57	4.81	6.69	3.83	6.66		4.62	7.19	4.69	7.17	8.63		
26	6.37	4.65	5.54	4.20	3.43	5.47	3.95	5.94	4.49	6.65	6.17	7.75	26
	6.87	4.82	6.82		4.31	7.05	4.75	7.37	4.68	6.93	6.32	7.84	
27	6.41	4.74	3.65	5.75	3.00	5.70	3.96	5.90	4.49	6.64	5.90	7.87	27
	6.96	4.74	4.48	7.07	4.45	7.43	4.47	7.26	4.42	6.62	6.10	7.62	
28	6.78	5.28	3.91	5.95	4.00	6.31	3.79	5.85	4.23	6.76	5.71	7.69	28
	7.89		4.66	7.23	4.97	7.42	3.91	6.96	4.15	6.41	5.44	6.95	
29	5.22	6.58	3.94	5.99	4.22	6.15	3.63	6.08			5.47	7.78	29
	5.03	7.26	4.62	7.26	4.76	7.28	4.11	6.85			5.24	6.95	
30	4.68	6.39	3.98	6.14	3.79	5.92	3.84	6.30			5.47	7.77	30
	4.99	7.21	4.84	7.46	4.49	7.32	4.24	6.56			5.21	6.99	
31	4.58	6.31			4.10	5.68	3.94	6.39			5.76	8.19	31
	5.00	7.35			4.04	6.39	3.84	6.57			5.66	7.06	
MAXIMUM	7.89		7.46		7.55		7.68		7.90		8.63		MAXIMUM
MINIMUM	3.76		3.50		3.18		3.13		4.15		3.74		MINIMUM

LOCATION: LAT. 37 51 53, LONG. 121 19 18, NW SEC. 9, T15, R6E,
ON BOWMAN ROAD BETWEEN ROBERTS ISLAND AND R.D. 17.

PERIOD OF RECORD: JULY 1940 TO SEPT 1966
JAN 1968 TO DATE

TABLE H-12 (CONTINUED)

DAILY TIDES

895740 SAN JOAQUIN RIVER AT BRANDT BRIDGE
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	5.87	7.45	4.62	6.45	7.06	5.46	6.32	3.85	6.60	3.25	6.79	3.24	01
	4.88	6.35	3.27		6.46	4.69	5.05	3.48	5.10	4.14	5.68	4.19	
02	5.35	6.79	5.96	4.44	7.20	5.32	6.41	3.54	6.75	3.12	6.73	3.16	02
	4.47		5.86	2.96	6.23	4.73	4.84	3.71	5.27	4.30	5.74	4.09	
03	6.16	5.19	5.93	4.04	7.16	5.08	6.49	3.32	6.84	3.12	6.80	3.25	03
	6.62	4.24	5.54	3.30	6.03	4.98	4.99	4.13	5.49	4.42	5.93	3.92	
04	6.28	5.18	6.24	4.08	7.38	5.14	6.76	3.32	7.14	3.41	6.77	3.32	04
	6.48	4.08	5.33	3.14	6.32	5.62	5.31	4.45	5.93	4.58	6.09	3.85	
05	6.44	4.92	6.07	3.78	8.08	5.73	6.95	3.29	7.23	3.40	6.78	3.59	05
	6.23	3.99	5.20	3.40	7.04	6.04	5.43	4.41	6.01	4.47	6.42		
06	6.38	4.55	6.03	3.61	8.15	5.55	7.12	3.43	7.18	3.35	3.96	6.81	06
	6.23	3.92	5.36	3.66	7.05	5.97	5.80	4.76	5.43	4.17	3.85	6.72	
07	6.36	4.38	6.30	3.59	8.03	5.35	7.33	3.59	6.83	3.01	4.04	6.72	07
	6.25	4.08	5.65	3.98	6.99	6.05	5.93	4.66	5.66		4.02	6.96	
08	6.54	4.29	6.56	3.69	8.23	5.44	7.24	3.4[illegible]	3.62	6.53	4.10	6.65	08
	6.30		5.96	4.36	7.05	6.10	5.90	4.55	3.01	5.87	4.17	7.18	
09	4.25	6.62	6.87	3.81	8.17	5.42	7.28	3.55	3.61	6.46	4.04	6.37	09
	4.37	6.43	6.09	4.48	7.10		6.02		3.16	6.16	4.18	7.23	
10	4.61	6.80	6.93	3.82	6.21	8.32	4.43	7.16	3.68	6.37	4.11	6.38	10
	4.43	6.53	6.06		5.61	7.41	3.50	6.05	3.32	6.42	4.45	7.32	
11	4.75	6.91	4.42	6.84	6.48	8.61	4.35	6.92	3.84	6.36	4.03	6.26	11
	4.49	6.59	3.57	5.77	5.90	7.59	3.35	6.07	3.71	6.85	4.70	7.38	
12	4.99	7.10	4.19	6.77	6.50	8.41	4.17	6.81	3.99	6.08	4.06	6.30	12
	4.37	6.42	3.38	5.87	5.52	7.26	3.32	6.24	3.85	6.45	4.84	7.35	
13	4.90	7.20	4.48	7.00	6.01	7.80	4.08	6.4[illegible]	3.80	5.78	4.94	6.37	13
	4.36	6.53	3.63	6.46	4.92	7.27	3.44	6.62	3.41	6.89	4.99		
14	5.17	7.44	5.22	7.56	5.93	7.76	4.28	6.4	3.59	5.66	7.21	3.94	14
	4.46	6.48	4.24	6.47	5.14	7.61	3.78	6.85	4.12		6.35	4.69	
15	5.10	7.15	5.12	7.30	6.03	7.51	4.00	5.74	6.[illegible]0	3.44	6.97	3.82	15
	3.98	6.14	4.01	6.44	5.47		3.44		5.73	4.37	6.31	4.56	
16	4.98	7.36	5.09	7.12	7.72	5.92	6.63	3.51	7.04	3.44	6.83	3.77	16
	3.91	6.06	3.95	6.53	7.09	5.42	5.35	3.56	5.82	4.40	6.28	4.33	
17	5.00	6.95	4.98	6.72	7.73	5.71	6.79	3.50	6.93	3.32	6.74	3.81	17
	3.87		3.74		6.93	5.69	5.62	4.29	6.03	4.39	6.43	4.30	
18	6.16	4.86	6.46	4.74	7.92	5.61	7.14	3.52	6.87	3.34	6.74	3.99	18
	6.56	3.54	6.58	4.17	6.70	5.71	5.74	4.45	5.40	4.25	6.58		
19	5.90	4.56	6.98	4.85	8.04	5.59	7.17	3.49	6.81	3.39	6.36	6.70	19
	6.19	3.24	6.55	4.59	6.73	5.66	5.88	4.59	5.47	4.22	6.02	6.56	
20	5.89	4.20	7.60	5.25	7.90	5.14	7.17	3.51	6.71	3.44	6.12	6.37	20
	6.08	3.38	6.36	4.09	6.63	5.56	5.98	4.59	6.11		3.83	6.40	
21	6.20	4.14	6.90	4.19	7.87	4.48	7.17	3.47	6.20	6.75	3.91	6.33	21
	6.39	3.82	5.98	4.31	6.36	5.01	5.95	4.44	3.61	6.32	3.97	6.47	
22	6.65	4.23	7.20	4.22	7.63	4.08	7.09	3.40	4.35	6.72	3.83	6.11	22
	6.41	3.82	6.18	4.55	6.35	4.94	5.99		3.54	6.24	3.47	6.44	
23	6.59	3.69	7.39	4.26	7.52	3.99	4.37	7.0[illegible]	4.10	6.48	3.66	5.76	23
	6.08	3.40	6.30	4.69	6.28		3.42	6.01	3.57	6.25	3.80	6.32	
24	6.72	3.60	7.51	4.20	4.89	7.32	4.37	6.92	3.47	6.26	3.46	5.60	24
	6.45		6.37		3.83	6.09	3.40	6.02	3.55	6.21	3.92	6.43	
25	4.36	7.18	4.92	7.62	4.56	6.89	4.27	6.69	3.81	6.09	3.56	5.66	25
	3.88	6.34	4.24	6.39	3.33	5.90	3.36	6.11	3.71	6.44	4.24	6.69	
26	4.29	7.63	4.95	7.61	4.40	6.64	4.30	6.59	4.05	6.17	3.86	5.98	26
	3.58	5.98	4.28	6.66	3.24	5.95	3.49	6.29	4.11	6.69	4.83	6.98	
27	4.16	7.01	5.23	7.66	4.46	6.54	4.34	6.44	3.43	5.65	4.22	6.10	27
	3.52	5.94	4.31	6.54	3.27	6.02	3.87	6.67	3.78	6.47	5.04	7.02	
28	4.24	6.90	5.25	7.42	4.40	6.20	4.54	6.29	3.53	5.26	4.13	6.15	28
	3.42	5.91	4.31	6.46	3.19	6.06	3.84	6.69	3.78	6.42	4.96	6.84	
29	4.41	6.83	5.20	7.13	4.31	5.92	4.24	5.78	3.23	5.10	3.99	6.20	29
	3.30	5.95	3.97	6.60	3.37	6.19	3.71	6.49	4.02	6.43	4.81		
30	4.58	6.73	5.39	7.01	4.12	5.34	3.86	5.21	3.08	5.23	6.86	4.09	30
	3.26	5.98	4.20		3.40		3.56	6.47	4.32		6.38	4.69	
31			6.96	5.53			3.49	4.96	6.67	3.12			31
			6.75	4.39			3.81		5.47	4.43			
MAXIMUM	7.45		7.66		8.61		7.33		7.23		7.36		MAXIMUM
MINIMUM	3.24		2.98		3.18		3.29		3.01		3.16		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 19.5 - 12-10-50
MAXIMUM OF RECORD IS MAXIMUM RECORDED STAGE

ZERO OF GAGE: 1940 TO 1952 -3.61 USCGS
1952 -3.79 USCGS
1964 -3.34 USCGS
1964 TO DATE -3.00 USCGS

TABLE 8-12 (CONTINUED)

DAILY TIDES

895660 STOCKTON SHIP CHANNEL AT BURNS CUTOFF
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	5.96	3.00	2.46	5.66	2.51	5.76	1.84	5.49	2.96	6.51	3.03	6.76	01
	6.53		3.74	6.99	4.10	7.26	3.08	6.17	3.09	5.83	2.94	6.00	
02	2.92	6.06	2.59	5.78	2.57	5.98	2.08	5.75	3.54	7.09	3.12	6.63	02
	3.61	6.85	4.02	6.95	4.21	7.07	2.90	5.57	3.23	5.67	2.60	5.37	
03	3.07	6.10	2.44	5.68	2.45	6.07	1.91	5.69	3.30	6.91	2.95	6.37	03
	3.57	6.75	3.89	6.79	4.06	6.83	2.52	4.98	2.91		2.31	5.28	
04	2.80	5.90	2.31	5.62	3.22	6.71	1.94	6.04	5.69	4.29	3.61	6.69	04
	3.64	6.84	3.90	6.64	4.46	6.86	2.45	4.69	7.33	2.92	2.68		
05	2.82	5.80	2.35	5.76	2.82	6.29	2.17	5.98	5.44	3.82	5.62	4.09	05
	3.84	6.88	3.91	6.41	3.62	5.78	2.14		6.74	2.51	6.78	2.65	
06	2.66	5.65	2.27	5.75	2.34	6.14	4.54	2.67	5.30	3.78	5.76	4.28	06
	3.97	6.75	3.64	5.94	3.09	5.22	6.57	2.49	6.61	2.46	6.64	2.54	
07	2.49	5.70	2.19	6.05	2.41	6.29	5.15	3.38	5.59	3.94	5.62	4.00	07
	4.25	7.00	3.65	6.02	2.77		6.80	2.43	6.83	2.67	6.99	3.31	
08	2.82	5.91	2.35	5.99	5.15	2.66	5.50	4.10	5.82	3.97	6.31	4.19	08
	4.34	6.72	2.98		6.24	2.39	7.41	3.02	6.93	2.95	6.76	3.00	
09	2.58	5.98	5.51	2.36	5.00	2.98	5.67	3.75	6.46	4.23	6.11	3.92	09
	4.09	6.57	6.09	2.64	6.51	2.37	6.72	2.11	7.28		6.69	2.92	
10	2.51	6.02	5.33	2.51	5.23	3.32	5.18	3.49	3.67	6.72	6.24	3.69	10
	3.63		6.16	2.38	6.75	2.41	6.60		4.17	7.06	6.66	3.10	
11	6.37	2.57	5.28	2.66	5.34	3.54	2.05	5.17	3.09	6.17	6.40	3.66	11
	6.08	3.16	6.29	2.31	6.81		3.42	6.53	3.75	6.72	6.63		
12	6.16	2.41	5.32	2.94	2.35	5.38	1.99	5.11	2.92	6.19	3.16	6.37	12
	6.05	2.81	6.53		3.67	6.83	3.15	6.08	3.62	6.74	3.36	6.33	
13	6.03	2.63	2.30	5.50	2.45	5.52	1.70	4.93	3.19	6.71	3.11	6.39	13
	6.27	2.67	3.32	6.80	3.66	6.67	3.01	5.99	4.05	6.70	3.50	6.48	
14	5.98	2.80	2.44	5.64	2.08	5.22	1.83	5.14	3.50	6.76	3.36	6.36	14
	6.46	2.59	3.60	7.02	3.45	6.51	3.13	5.86	4.00	6.22	3.06	6.00	
15	5.87	2.88	2.64	5.82	2.10	5.25	1.91	5.28	3.30	6.42	3.28	6.43	15
	6.45		3.85	7.02	3.49	6.25	3.11	5.71	3.47	5.72	2.98	6.00	
16	2.40	5.74	2.49	5.70	1.93	5.18	1.98	5.46	3.26	6.60	4.03	7.02	16
	3.09	6.64	3.94	6.86	3.49	6.09	3.04	5.37	3.58	5.09	3.29	5.75	
17	2.41	5.75	2.42	5.67	2.04	5.56	1.92	5.33	3.24	6.23	3.58	6.47	17
	3.30	6.70	3.89	6.44	3.70	6.03	2.76	4.80	3.13	4.76	2.72	5.55	
18	2.37	5.71	2.20	5.72	2.04	5.57	1.90	5.34	3.28	6.16	3.82	6.59	18
	3.56	6.78	4.13	6.35	3.60	5.49	2.57	4.47	2.74	4.60	2.85	5.42	
19	2.55	5.95	2.26	5.57	1.90	5.48	2.10	5.45	3.64	6.41	4.10	6.73	19
	4.01	6.93	3.85	5.72	3.36	4.98	2.24	4.02	2.73		3.11	5.61	
20	2.75	5.99	2.07	5.64	1.88	5.43	2.35	5.66	5.22	4.21	4.38	6.53	20
	4.26	6.69	3.98	5.74	3.01	4.44	2.22		6.66	2.41	2.64		
21	2.56	5.72	2.51	6.80	1.98	5.61	4.30	3.07	5.08	4.00	5.54	4.24	21
	4.07	6.18	4.70	5.68	3.04	4.50	6.07	2.08	6.54	2.14	6.24	3.48	
22	2.37	5.87	2.75	6.10	2.37	5.87	4.44	3.34	4.90	3.47	6.58	4.66	22
	4.27	6.19	3.20	4.79	2.46		6.23	1.92	6.30	1.97	6.96	3.16	
23	2.61	5.88	2.43	5.77	4.20	2.59	4.63	3.48	5.18	3.19	6.34	4.09	23
	3.85	5.61	2.66		5.87	2.08	6.53	2.02	6.41	2.06	6.77	2.88	
24	2.39	5.84	4.63	2.52	4.16	2.81	4.93	3.55	5.45	3.05	6.38	3.78	24
	3.46		5.02	2.70	5.97	1.92	6.69	2.09	6.59	2.38	6.89	3.26	
25	5.56	2.67	5.23	3.09	4.53	3.14	5.18	3.55	5.87	3.16	7.37	4.93	25
	6.03	3.34	6.34	2.48	6.44	2.10	6.88	2.25	6.70		7.93	3.87	
26	5.77	2.99	5.08	3.22	5.03	3.54	5.44	3.71	2.69	6.12	6.91	4.14	26
	6.33	3.22	6.52	2.45	6.03	2.19	7.03		3.01	6.41	7.00		
27	5.78	3.07	5.29	3.52	5.35	3.78	2.30	5.44	2.58	6.11	3.60	7.15	27
	6.42	3.04	6.74	2.43	7.40		3.45	6.93	2.70	6.11	3.87	6.80	
28	6.22	3.91	5.48	3.74	2.74	5.93	2.28	5.46	2.60	6.36	3.53	6.98	28
	7.44	3.61	6.95		4.03	7.13	2.96	6.75	2.70	5.95	3.12	6.14	
29	5.97	3.47	2.43	5.53	2.70	5.70	2.24	5.66			3.47	7.16	29
	6.74	2.75	3.70	6.97	3.73	7.00	2.91	6.27			2.97	6.21	
30	5.74	3.43	2.42	5.67	2.17	5.47	2.29	5.96			3.61	7.21	30
	6.70		3.96	7.18	3.53	7.01	2.93	6.13			2.94	6.24	
31	2.53	5.61			2.58	5.22	2.40	6.00			4.03	7.51	31
	3.51	6.82			2.96	6.13	2.49	6.24			3.42	6.17	
MAXIMUM	7.44		7.18		7.40		7.41		7.33		7.93		MAXIMUM
MINIMUM	2.37		2.07		1.88		1.70		1.97		2.31		MINIMUM

LOCATION: LAT. 37 57 46, LONG. 121 21 54, SW SEC. 6, T1N, R6E, ON NORTH END OF ROUGH AND READY ISLAND, APPROXIMATELY 0.4 MILE ABOVE BURNS CUTOFF.

PERIOD OF RECORD: MAY 1940 TO DATE

TABLE B-12 (CONTINUED)

DAILY TIDES

A95660 STOCKTON SHIP CHANNEL AT BURNS CUTOFF
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	4.12	6.78	4.03	6.28	4.47	5.96	3.04	4.75	2.59	4.95	6.74	2.41	01
	2.52	5.54	2.36	5.82	3.37		2.86	6.30	3.77		5.53	3.63	
02	3.85	6.16	3.85	5.65	6.73	4.01	2.76	4.55	6.76	2.44	6.69	2.37	02
	2.45		2.15		5.57	3.21	3.20		5.16	3.95	5.58	3.56	
03	5.50	3.98	5.80	3.46	6.60	3.47	6.42	2.52	6.91	2.37	6.80	2.44	03
	6.08	2.54	5.31	2.58	5.16	3.40	4.74	3.62	5.45	4.06	5.79	3.32	
04	5.78	4.16	6.15	3.38	6.74	3.26	6.70	2.45	7.25	2.69	6.79	2.56	04
	6.04	2.66	4.97	2.16	5.38	4.03	5.06	3.96	5.89	4.14	6.00	3.24	
05	6.02	3.98	5.81	2.85	7.46	3.63	6.85	2.34	7.37	2.69	6.80	2.88	05
	5.86	2.63	4.81	2.33	6.14	4.44	5.21	3.87	5.98	3.97	6.33		
06	5.97	3.53	5.71	2.56	7.54	3.59	7.08	2.40	7.32	2.65	3.30	6.76	06
	5.84	2.62	4.93	2.65	6.28	4.46	5.57	4.18	5.91	3.61	3.17	6.67	
07	6.00	3.29	6.00	2.40	7.43	3.30	7.27	2.59	6.96	2.25	3.36	6.64	07
	5.85	2.72	5.20	2.93	6.15	4.48	5.74	4.07	5.63	3.03	3.31	6.93	
08	6.11	3.02	6.25	2.42	7.62	3.12	7.28	2.44	6.65	2.26	3.37	6.53	08
	5.84	2.87	5.53	3.39	6.17	4.45	5.75	3.97	5.88		3.43	7.11	
09	6.15	2.89	6.57	2.50	7.53	3.03	7.29	2.56	3.01	6.57	3.22	6.16	09
	5.89	3.15	5.64	3.48	6.19	4.48	5.86	3.80	2.46	6.23	3.48	7.16	
10	6.32	2.76	6.63	2.41	7.66	3.20	7.15	2.51	3.02	6.45	3.34	6.19	10
	6.00	3.27	5.61	3.47	6.52		5.91		2.67	6.53	3.82	7.26	
11	6.42	2.80	6.57	2.16	4.79	7.97	3.71	6.92	3.20	6.41	3.13	6.06	11
	6.06		5.34	3.35	3.60	6.72	2.46	6.04	3.10	6.92	4.08	7.26	
12	3.57	6.66	6.54	2.02	4.80	7.74	3.53	6.59	3.35	6.05	3.14	6.03	12
	2.64	5.86	5.48		3.23	6.45	2.47	6.21	3.34	7.04	4.29	7.21	
13	3.61	6.77	3.69	6.86	4.41	7.21	3.38	6.35	3.14	5.71	3.07	6.13	13
	2.71	6.04	2.38	6.16	3.09	6.72	2.61	6.61	3.41	6.98	4.36		
14	4.08	7.06	4.52	7.36	4.74	7.24	3.57	6.32	2.93	5.56	7.02	2.97	14
	2.88	6.00	3.01	6.08	3.42	7.05	3.05	6.90	3.68	7.01	6.11	4.04	
15	4.02	6.75	4.28	6.94	4.57	6.86	3.24	5.66	2.79	5.64	6.81	2.83	15
	2.27	5.66	2.63	6.07	3.45	7.03	2.73	6.65	3.93		6.07	3.82	
16	4.05	6.66	4.23	6.74	3.96	6.20	2.75	5.14	7.13	2.74	6.62	2.78	16
	2.38	5.62	2.53	6.13	3.14		2.96		5.79	3.97	5.99	3.51	
17	4.20	6.60	4.04	6.32	7.00	3.55	6.82	2.68	7.01	2.60	6.52	2.87	17
	2.51	5.76	2.26		6.00	3.60	5.49	3.75	6.02	3.97	6.16	3.45	
18	4.04	6.14	6.05	3.73	7.14	3.24	7.14	2.65	6.91	2.48	6.54	3.10	18
	2.21		6.13	2.84	5.61	3.62	5.59	3.92	5.74	3.61	6.34	3.52	
19	5.52	3.75	6.55	3.63	7.40	3.22	7.17	2.57	6.75	2.41	6.48	3.12	19
	5.86	1.91	6.13	3.36	5.69	3.58	5.73	3.98	5.74	3.52	6.31		
20	5.55	3.34	7.21	3.90	7.23	2.70	7.20	2.54	6.59	2.45	3.21	6.14	20
	5.73	2.13	5.71	2.43	5.78	4.03	5.84	4.00	5.88	3.46	2.93	6.16	
21	5.92	3.16	6.49	2.62	7.39	2.78	7.14	2.55	6.71	2.69	2.95	6.11	21
	6.06	2.68	5.49	2.99	5.84	4.00	5.82	3.85	6.15	3.62	3.11	6.25	
22	6.34	3.22	6.89	2.61	7.38	2.61	7.10	2.50	6.62	2.76	2.88	5.84	22
	6.10	2.66	5.69	3.33	5.96	4.08	5.95	3.80	6.08		3.12	6.19	
23	6.37	2.56	7.02	2.70	7.26	2.61	7.05	2.59	3.35	6.34	2.62	5.46	23
	5.78	2.74	5.81	3.55	5.96	4.12	5.95		2.75	6.13	2.93	6.06	
24	6.57	2.47	7.16	2.59	7.13	2.61	3.81	6.98	3.20	6.13	2.36	5.26	24
	6.25	3.46	5.69	3.86	5.79		2.61	5.97	2.75	6.10	3.11	6.15	
25	7.07	2.74	7.28	2.54	3.76	6.69	3.69	6.68	3.07	5.95	2.39	5.27	25
	6.06	3.36	5.90		2.05	5.64	2.53	6.07	3.02	6.34	3.46	6.35	
26	6.85	2.37	3.88	7.22	3.66	6.46	3.72	6.55	3.39	6.05	2.60	5.54	26
	5.76		2.62	6.20	2.09	5.74	2.73	6.27	3.54	6.65	3.86	6.59	
27	3.32	6.87	4.20	7.27	3.79	6.35	3.75	6.42	3.32	5.48	2.78	5.64	27
	2.27	5.64	2.65	6.06	2.14	5.83	3.18	6.61	3.23	6.41	4.29	6.63	
28	3.44	6.73	4.20	6.98	3.71	5.95	3.87	6.16	2.85	5.05	2.71	5.68	28
	2.20	5.83	2.62	6.02	2.13	5.90	3.20	6.67	3.30	6.36	4.10	6.45	
29	3.72	6.69	4.18	6.69	3.63	5.65	3.61	5.63	2.53	4.87	2.56	5.74	29
	2.17	5.72	2.31	6.15	2.47	6.02	3.12	6.50	3.57	6.36	3.91		
30	3.95	6.58	4.47	6.59	3.37	5.08	3.23	5.02	2.39	5.04	6.47	2.70	30
	2.20	5.77	2.67	6.51	2.63	6.19	3.11	6.44	3.97	6.62	5.93	3.70	
31			4.60	6.32			2.84	4.74	2.36	5.29			31
			3.00	6.60			3.38	6.54	4.04				
MAXIMUM	7.07		7.36		7.47		7.29		7.37		7.26		MAXIMUM
MINIMUM	1.91		2.02		2.05		2.34		2.25		2.36		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 10.3 - 12-26-55

ZERO OF GAGE: 1940 TO 1943 -4.22 USCGS
1943 TO 1945 -4.39 USCGS
1945 TO 1946 -4.70 USCGS
1946 TO 1951 -3.00 USCGS
1951 -3.02 USCGS
1964 -3.53 USCGS
1964 TO DATE -3.00 USCGS

TABLE 8-12 (CONTINUED)

DAILY TIDES

895620 SAN JOAQUIN RIVER AT RINDGE PUMP
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.74	-0.06	-0.66	2.47	-0.35	2.56	-1.20	2.28	-0.02	3.42	-0.04	3.53	01
	3.31		0.64	3.75	0.98	4.05	0.01	2.96	0.09	2.71	-0.12	2.79	
02	-0.19	2.82	-0.48	2.57	-0.50	2.78	-0.97	2.54	0.47	3.90	0.11	3.43	02
	0.49	3.64	0.91	3.77	1.11	3.90	-0.16	2.36	0.18	2.48	-0.47	2.18	
03	-0.01	2.89	-0.62	2.46	-0.52	2.89	-1.15	2.48	0.22	3.71	-0.12	3.17	03
	0.50	3.54	0.79	3.58	1.02	3.65	-0.55	1.79	-0.14		-0.75	2.08	
04	-0.26	2.70	-0.76	2.41	0.15	3.47	-1.13	2.82	2.53	1.20	0.52	3.49	04
	0.57	3.63	0.78	3.43	1.36	3.67	-0.61	1.50	4.12	-0.14	-0.40		
05	-0.28	2.59	-0.72	2.54	-0.33	3.07	-0.89	2.80	2.25	0.73	2.44	0.98	05
	0.74	3.66	0.79	3.21	0.53	2.61	-0.90		3.57	-0.56	3.58	-0.41	
06	-0.41	2.44	-0.80	2.55	-0.73	2.91	1.37	-0.39	2.11	0.68	2.58	1.20	06
	0.84	3.54	0.56	2.75	0.01	2.03	3.39	-0.57	3.41	-0.60	3.49	-0.52	
07	-0.58	2.54	-0.88	2.85	-0.66	3.08	1.96	0.29	2.39	0.86	2.47	0.99	07
	1.14	3.80	0.56	2.82	-0.27		3.60	-0.63	3.64	-0.40	3.86	0.26	
08	-0.27	2.69	-0.72	2.77	1.98	-0.40	2.31	1.01	2.63	0.90	3.11	1.11	08
	1.22	3.52	-0.11		3.01	-0.67	4.19	-0.07	3.72	-0.15	3.57	-0.06	
09	-0.49	2.75	2.32	-0.71	1.80	-0.10	2.48	0.64	3.24	1.16	2.91	0.80	09
	0.99	3.38	2.86	-0.44	3.29	-0.70	3.50	-0.93	4.08	0.59	3.48	-0.16	
10	-0.56	2.82	2.12	-0.57	2.03	0.23	2.00	0.41	3.52	1.10	3.04	0.62	10
	0.52		2.94	-0.69	3.53	-0.64	3.40		3.65		3.44	0.03	
11	3.17	-0.50	2.07	-0.41	2.14	0.44	1.00	1.96	0.02	2.96	3.19	0.57	11
	2.85	0.08	3.06	-0.75	3.60	-0.71	0.32	3.31	0.67	3.50	3.40	0.07	
12	2.94	-0.65	2.12	-0.12	2.18	0.58	-1.07	1.90	-0.15	2.99	3.10	0.30	12
	2.82	-0.25	3.31	-0.76	3.64		0.06	2.92	0.58	3.52	3.12		
13	2.81	-0.43	2.29	0.23	-0.03	2.27	-1.35	1.73	0.15	3.50	0.04	3.18	13
	3.05	-0.39	3.58		0.57	3.41	-0.09	2.79	0.97	3.50	0.45	3.28	
14	2.76	-0.26	-0.61	2.44	-0.97	2.03	-1.22	1.94	0.41	3.54	0.27	3.14	14
	3.23	-0.48	0.50	3.79	0.35	3.30	0.05	2.67	0.89	3.01	-0.02	2.80	
15	2.65	-0.18	-0.42	2.62	-0.97	2.04	-1.15	2.09	0.21	3.19	0.28	3.22	15
	3.23		0.77	3.82	0.39	3.05	0.04	2.52	0.37	2.54	-0.09	2.81	
16	-0.66	2.54	-0.56	2.50	-1.14	1.98	-1.08	2.25	0.18	3.39	0.94	3.80	16
	0.02	3.42	0.84	3.63	0.38	2.87	-0.03	2.14	0.45	1.92	0.19	2.55	
17	-0.64	2.54	-0.65	2.46	-1.04	2.25	-1.14	2.13	0.14	3.02	0.50	3.27	17
	0.27	3.49	0.77	3.25	0.57	2.83	-0.31	1.61	0.02	1.60	-0.36	2.36	
18	-0.69	2.49	-0.86	2.51	-1.01	2.36	-1.18	2.17	0.18	2.97	0.73	3.40	18
	0.47	3.57	1.00	3.14	0.51	2.32	-0.52	1.30	-0.36	1.43	-0.26	2.22	
19	-0.52	2.74	-0.82	2.37	-1.17	2.27	-0.96	2.21	0.54	3.24	0.99	3.53	19
	0.89	3.69	0.75	2.53	0.25	1.80	-0.85	0.84	-0.39		0.07	2.43	
20	-0.32	2.77	1.00	2.43	-1.20	2.23	-0.73	2.46	2.04	1.09	1.27	3.32	20
	1.14	3.49	0.85	2.55	-0.08	1.27	-0.86		3.46	-0.67	-0.46		
21	-0.51	2.51	-0.52	3.59	-1.10	2.42	1.13	-0.04	1.86	0.85	2.36	1.14	21
	0.96	2.99	1.61	2.46	-0.05	1.31	2.87	-0.99	3.32	-0.94	3.10	0.31	
22	-0.70	2.66	-0.33	2.89	-0.73	2.65	1.27	0.20	1.68	0.36	3.39	1.56	22
	1.16	3.01	0.11	1.61	-0.63		3.04	-1.14	3.10	-1.09	3.74	0.04	
23	-0.48	2.66	-0.65	2.57	1.03	-0.49	1.44	0.39	1.98	0.11	3.12	0.99	23
	0.74	2.42	-0.43		2.65	1.00	3.33	-1.03	3.19	-0.99	3.55	-0.21	
24	-0.68	2.62	1.45	-0.57	1.05	-0.30	1.74	0.45	2.24	-0.01	3.17	0.69	24
	0.37		2.64	-0.36	2.78	-1.15	3.49	-0.97	3.37	-0.68	3.68	0.18	
25	2.39	-0.41	2.04	0.01	1.35	0.04	1.98	0.46	2.66	0.11	4.11	1.80	25
	2.80	0.26	3.13	-0.59	3.23	-0.97	3.72	-0.80	3.49		4.64	0.77	
26	2.57	-0.11	1.89	0.14	1.83	0.45	2.24	0.62	-0.36	2.91	3.66	0.91	26
	3.04	0.14	3.32	-0.61	3.63	-0.86	3.82		-0.06	3.19	3.73	0.48	
27	2.57	-0.08	2.09	0.43	2.18	0.76	-0.75	2.27	-0.48	2.88	3.91	0.69	27
	3.26	-0.02	3.52	-0.64	4.23		0.30	3.69	-0.35	2.89	3.57		
28	3.00	0.83	2.27	0.64	-0.26	2.72	-0.78	2.26	-0.44	3.15	0.43	3.75	28
	4.23	0.53	3.74		0.92	3.92	-0.08	3.50	-0.35	2.74	0.00	2.92	
29	2.77	0.37	-0.63	2.32	-0.36	2.48	-0.79	2.45			0.37	3.94	29
	3.51	-0.31	0.61	3.75	0.63	3.79	-0.15	3.05			-0.10	3.00	
30	2.53	0.36	-0.64	2.47	-0.85	2.27	-0.76	2.75			0.54	3.99	30
	3.47		0.85	3.96	0.42	3.77	-0.10	2.92			-0.15	3.03	
31	-0.53	2.40			-0.56	2.02	-0.63	2.84			0.95	4.26	31
	0.43	3.59			-0.12	2.91	-0.40	3.11			0.29	2.94	
MAXIMUM	4.20		3.96		4.23		4.19		4.12		4.64		MAXIMUM
MINIMUM	-0.70		-0.88		-1.20		-1.35		-1.09		-0.75		MINIMUM

LOCATION: LAT. 37 59 51, LONG. 121 25 06, NW SEC. 27, T2N, R5E, ON RINDGE TRACT AT FOURTEEN MILE SLOUGH NEAR JUNCTION WITH STOCKTON SHIP CHANNEL, 8 MILES NW OF STOCKTON.

PERIOD OF RECORD: JULY 1939 TO DATE

TABLE B-12 (CONTINUED)

DAILY TIDES

895620 SAN JOAQUIN RIVER AT RINDGE PUMP
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	1.04	3.56	0.95	3.09	1.34	2.75	-0.03	1.56	-0.50	1.92	3.54	-0.69	01
	-0.58	2.34	-0.72	2.58	0.16		-0.26	3.11	0.66		2.26	0.52	
02	0.77	2.97	0.77	2.46	3.52	0.88	-0.33	1.37	3.55	-0.64	3.47	-0.76	02
	-0.65		-0.92		2.36	0.01	0.08		1.95	0.84	2.35	0.43	
03	2.32	0.88	2.61	0.39	3.38	0.24	3.21	-0.56	3.70	-0.76	3.58	-0.65	03
	2.89	-0.55	2.13	-0.53	1.96	0.20	1.54	0.51	2.21	0.96	2.56	0.22	
04	2.59	1.06	2.96	0.29	3.56	0.04	3.48	-0.63	4.04	-0.40	3.56	-0.54	04
	2.82	-0.41	1.77	-0.91	2.21	0.86	1.87	0.81	2.66	1.03	2.77	0.13	
05	2.84	0.90	2.62	-0.25	4.25	0.45	3.65	-0.74	4.15	-0.39	3.57	-0.27	05
	2.70	-0.44	1.60	-0.72	2.89	1.27	2.00	0.77	2.76	0.06	3.09	0.15	
06	2.78	0.45	2.51	-0.52	4.33	0.38	3.87	-0.68	4.09	-0.43	3.54	-0.03	06
	2.65	-0.45	1.73	-0.42	3.04	1.30	2.34	1.08	2.70	0.52	3.45		
07	2.81	0.20	2.80	-0.67	4.21	-0.07	4.10	-0.49	3.73	-0.02	0.18	3.41	07
	2.66	-0.34	2.00	-0.14	2.92	1.31	2.51	0.96	2.39	-0.04	0.13	3.69	
08	2.91	-0.04	3.04	-0.65	4.39	-0.12	4.03	-0.64	3.42	-0.82	0.19	3.29	08
	2.65	-0.20	2.28	0.30	2.95	1.30	2.54	0.86	2.65		0.32	3.88	
09	2.95	-0.19	3.38	-0.62	4.33	-0.26	4.07	-0.52	-0.05	3.34	0.02	2.93	09
	2.69	0.09	2.41	0.40	2.95	1.34	2.64	0.70	-0.80	3.00	0.29	3.94	
10	3.11	-0.30	3.43	-0.67	4.43	-0.11	3.92	-0.57	-0.01	3.23	0.16	2.97	10
	2.77	0.20	2.38	0.38	3.29	1.64	2.69		-0.41	3.30	0.68	4.02	
11	3.22	-0.28	3.35	-0.94	4.74	0.34	0.63	3.70	0.14	3.18	0.05	2.83	11
	2.84	0.51	2.15	0.26	3.51		-0.60	2.80	0.02	3.70	0.96	4.04	
12	3.46	-0.43	3.34	-1.04	1.63	4.49	0.47	3.37	0.27	2.83	0.06	2.80	12
	2.67		2.28	0.60	-0.14	3.21	-0.59	3.00	0.21	3.82	1.16	3.98	
13	0.55	3.58	3.63	-0.71	1.21	3.98	0.31	3.12	0.08	2.54	-0.07	2.90	13
	-0.35	2.84	2.95		-0.27	3.49	-0.49	3.39	0.29	3.77	1.24		
14	0.99	3.88	1.44	4.15	1.59	4.04	0.50	3.10	-0.16	2.34	3.79	-0.13	14
	-0.20	2.81	-0.12	2.89	0.17	3.82	-0.04	3.68	0.55	3.80	2.87	0.93	
15	0.95	3.56	1.18	3.74	1.41	3.67	0.17	2.44	-0.29	2.43	3.59	-0.32	15
	-0.76	2.45	-0.47	2.85	0.25	3.80	-0.34	3.43	0.81		2.80	0.73	
16	0.93	3.54	1.13	3.52	0.73	3.00	-0.33	1.98	3.91	-0.33	3.39	-0.30	16
	-0.68	2.43	-0.57	2.93	-0.03		-0.13		2.55	0.84	2.76	0.43	
17	1.09	3.40	0.96	3.12	3.79	0.39	3.60	-0.39	3.79	-0.49	3.30	-0.23	17
	-0.57	2.56	-0.83	2.84	2.77	0.47	2.25	0.64	2.77	0.84	2.92	0.37	
18	0.97	2.96	0.64	2.91	3.96	0.02	3.91	-0.42	3.69	-0.59	3.34	0.00	18
	-0.86		-0.27		2.39	0.49	2.35	0.81	2.52	0.52	3.10	0.44	
19	2.34	0.33	3.35	0.55	4.20	-0.02	3.95	-0.51	3.53	-0.63	3.26	0.03	19
	2.67	-1.16	2.90	0.25	2.46	0.42	2.50	0.87	2.51	0.43	3.07	0.13	
20	2.35	0.25	3.97	0.71	4.00	-0.48	3.97	-0.50	3.37	-0.63	2.93	-0.24	20
	2.52	-0.94	2.44	-0.66	2.54	0.88	2.60	0.91	2.64	0.37	2.94		
21	2.73	0.11	3.27	-0.48	4.16	-0.46	3.92	-0.52	3.44	-0.39	-0.13	2.89	21
	2.83	-0.45	2.27	-0.63	2.60	0.86	2.59	0.76	2.91	0.54	0.01	3.03	
22	3.19	0.15	3.60	-0.49	4.10	-0.53	3.88	-0.56	3.39	-0.32	-0.20	2.63	22
	2.90	-0.38	2.47	0.22	2.73	0.97	2.68	0.70	2.84		0.02	2.97	
23	3.17	-0.49	3.80	-0.42	4.05	-0.47	3.83	-0.47	0.28	3.13	-0.48	2.24	23
	2.58	-0.31	2.59	0.44	2.78	1.01	2.72	0.72	-0.34	2.89	-0.16	2.83	
24	3.36	-0.55	3.95	-0.53	3.92	-0.48	3.75	-0.46	0.13	2.90	-0.71	2.06	24
	3.02	0.41	2.67	0.75	2.59		2.75		-0.35	2.87	0.01	2.92	
25	3.86	-0.31	4.06	-0.57	0.67	3.47	0.60	3.46	-0.01	2.73	-0.69	2.06	25
	2.88	0.30	2.68	0.77	-1.02	2.42	-0.55	2.85	-0.08	3.11	-0.06	3.14	
26	3.65	-0.70	4.00	-0.50	0.57	3.25	0.64	3.33	0.29	2.83	-0.49	2.28	26
	2.49		2.96		-0.99	2.53	-0.37	3.05	0.41	3.44	0.73	3.36	
27	0.26	3.66	1.09	4.05	0.69	3.13	0.68	3.20	0.17	2.27	-0.35	2.42	27
	-0.78	2.44	-0.49	2.87	-0.93	2.63	0.09	3.40	0.11	3.22	1.15	3.43	
28	0.37	3.53	1.08	3.75	0.62	2.73	0.76	2.95	-0.50	1.85	-0.37	2.47	28
	-0.88	2.44	-0.53	2.80	-0.95	2.68	0.15	3.46	0.17	3.14	0.98	3.27	
29	0.63	3.48	1.07	3.47	0.56	2.44	0.53	2.43	-0.57	1.67	-0.53	2.52	29
	-0.89	2.52	-0.82	2.94	-0.65	2.81	0.05	3.30	0.43	3.18	0.78		
30	0.86	3.38	1.35	3.39	0.29	1.89	0.14	1.84	-0.72	1.86	3.26	-0.40	30
	-0.87	2.58	-0.48	3.30	-0.46	2.99	0.01	3.23	0.58	3.41	2.70	0.60	
31			1.48	3.12			-0.25	1.54	-0.73	2.09			31
			-0.18	3.39			0.27	3.34	0.92				
MAXIMUM	3.88		4.15		4.74		4.10		4.15		4.04		MAXIMUM
MINIMUM	-1.16		-1.04		-1.02		-0.74		-0.82		-0.76		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 7.1 - 12-26-55

ZERO OF GAGE: 1939 TO 1940 -2.20 USED
1940 0.00 USCGS
1964 -0.52 USCGS
1964 TO DATE 0.00 USCGS

TABLE 8-12 (CONTINUED)

DAILY TIDES

895580 SAN JOAQUIN RIVER AT VENICE ISLAND
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	5.55	3.00	2.41	5.27	2.51	5.38	1.87	5.10	3.17	6.36	3.01	6.45	01
	6.08		3.65	6.55	4.00	6.87	3.08	5.76	3.26	5.69	2.92	5.60	
02	2.98	5.67	2.57	5.38	2.57	5.61	2.09	5.33	3.53	6.74	3.13	6.24	02
	3.50	6.46	3.90	6.58	4.14	6.76	2.89	5.17	3.25	5.29	2.59	4.98	
03	3.07	5.73	2.45	5.29	2.67	5.77	1.90	5.27	3.28	6.55	2.93	5.99	03
	3.55	6.36	3.81	6.38	4.12	6.65	2.51	4.61	2.93		2.31	4.91	
04	2.81	5.53	2.30	5.22	3.21	6.27	1.98	5.63	5.37	4.25	3.54	6.30	04
	3.60	6.44	3.80	6.25	4.38	6.49	2.42	4.33	6.92	2.93	2.62		
05	2.77	5.41	2.33	5.35	2.77	5.89	2.17	5.64	5.07	3.76	5.28	3.98	05
	3.74	6.47	3.80	6.04	3.54	5.42	2.17		6.39	2.50	6.40	2.64	
06	2.64	5.27	2.26	5.36	2.31	5.72	4.25	2.67	4.93	3.68	5.42	4.22	06
	3.86	6.37	3.60	5.59	3.05	4.87	6.23	2.51	6.22	2.45	6.36	2.57	
07	2.48	5.32	2.19	5.65	2.38	5.87	4.79	3.33	5.20	3.89	5.38	4.11	07
	4.15	6.63	3.60	5.64	2.76		6.40	2.45	6.47	2.65	6.75	3.33	
08	2.76	5.52	2.34	5.54	4.80	2.65	5.14	4.04	5.44	3.95	5.94	4.16	08
	4.20	6.36	2.94		5.81	2.33	6.98	2.93	6.54	2.91	6.40	2.98	
09	2.57	5.56	5.13	2.34	4.62	2.93	5.29	3.64	6.04	4.20	5.71	3.81	09
	4.01	6.21	5.66	2.62	6.09	2.36	6.30	2.16	6.92	3.65	6.31	2.91	
10	2.52	5.62	4.94	2.49	4.87	3.25	4.84	3.44	6.34	4.20	5.85	3.67	10
	3.59		5.74	2.37	6.34	2.41	6.19		6.66		6.22	3.09	
11	6.01	2.56	4.88	2.64	4.96	3.48	2.05	4.76	3.08	5.76	5.98	3.57	11
	5.64	3.15	5.87	2.31	6.40	2.35	3.32	6.12	3.72	6.29	6.19	3.09	
12	5.76	2.43	4.94	2.92	5.00	3.61	2.02	4.71	2.90	5.77	5.92	3.32	12
	5.64	2.82	6.11	2.30	6.46		3.08	5.66	3.66	6.31	5.94		
13	5.62	2.63	5.11	3.26	2.43	5.07	1.72	4.54	3.25	6.38	3.12	5.99	13
	5.86	2.69	6.39		3.58	6.25	2.93	5.59	4.05	6.30	3.45	6.09	
14	5.57	2.81	2.46	5.25	2.09	4.84	1.85	4.75	3.45	6.32	3.31	5.93	14
	6.04	2.61	3.51	6.60	3.39	6.11	3.09	5.49	3.84	5.81	3.03	5.61	
15	5.47	2.88	2.66	5.44	2.07	4.86	1.92	4.91	3.21	5.93	3.26	6.02	15
	6.03		3.80	6.65	3.42	5.87	3.08	5.33	3.38	5.36	2.96	5.64	
16	2.42	5.35	2.50	5.33	1.92	4.80	1.98	5.05	3.22	6.15	3.97	6.60	16
	3.08	6.23	3.84	6.46	3.39	5.70	3.02	5.00	3.37	4.73	3.19	5.39	
17	2.44	5.35	2.42	5.29	2.00	5.05	1.93	4.94	3.13	5.82	3.53	6.08	17
	3.24	6.30	3.78	6.08	3.53	5.66	2.73	4.45	3.04	4.47	2.70	5.17	
18	2.39	5.32	2.20	5.34	2.06	5.17	1.88	4.94	3.18	5.78	3.76	6.22	18
	3.49	6.38	3.49	5.97	3.51	5.15	2.54	4.16	2.67	4.30	2.79	5.05	
19	2.55	5.56	2.22	5.24	1.88	5.09	2.09	5.02	3.54	6.10	3.99	6.35	19
	3.91	6.56	3.76	5.38	3.27	4.64	2.19	3.69	2.68		3.01	5.27	
20	2.75	5.61	2.03	5.25	1.84	5.04	2.28	5.28	4.89	4.07	4.25	6.12	20
	4.15	6.32	3.84	5.40	2.96	4.13	2.18		6.25	2.34	2.55		
21	2.55	5.34	2.61	6.45	1.94	5.26	3.97	2.98	4.65	3.79	5.17	4.15	21
	3.96	5.84	4.62	5.34	2.97	4.13	5.69	2.08	6.05	2.06	6.00	3.31	
22	2.35	5.48	2.71	5.68	2.29	5.41	4.12	3.28	4.48	3.38	6.20	4.57	22
	4.15	5.85	3.13	4.47	2.39		5.87	1.91	5.91	1.96	6.57	3.04	
23	2.58	5.49	2.37	5.38	3.86	2.50	4.27	3.43	4.77	3.13	5.91	4.00	23
	3.76	5.28	2.61		5.41	2.02	6.15	1.99	5.99	2.07	6.34	2.81	
24	2.35	5.43	4.29	2.47	3.97	2.72	4.57	3.48	5.04	3.04	5.95	3.73	24
	3.39		5.48	2.67	5.61	1.91	6.31	2.1.	6.15	2.40	6.48	3.22	
25	5.23	2.60	4.87	3.04	4.18	3.07	4.80	3.49	5.44	3.17	6.85	4.78	25
	5.60	3.30	5.93	2.45	6.05	2.09	6.48	2.2.	6.27		7.30	3.76	
26	5.41	2.93	4.71	3.17	4.66	3.49	5.05	3.58	2.73	5.70	6.40	3.71	26
	5.89	3.19	6.13	2.45	6.45	2.24	6.61		2.99	5.98	6.45	3.49	
27	5.41	2.96	4.93	3.43	5.02	3.90	2.30	4.98	2.61	5.68	6.65	3.54	27
	6.01	3.09	6.32	2.40	7.15		3.20	6.44	2.72	5.72	6.30		
28	5.80	3.87	5.09	3.66	2.92	5.54	2.27	5.08	2.64	5.93	3.43	6.49	28
	7.01	3.59	6.56		3.90	6.74	3.01	6.28	2.73	5.54	2.95	5.71	
29	5.61	3.39	2.43	5.14	2.63	5.26	2.30	5.24			3.41	6.72	29
	6.33	2.77	3.62	6.55	3.61	6.61	2.90	5.84			2.96	5.79	
30	5.36	3.40	2.42	5.29	2.22	5.09	2.32	5.53			3.60	6.77	30
	6.28		3.87	6.78	3.41	6.49	2.92	5.73			2.92	5.84	
31	2.53	5.23			2.34	4.83	2.48	5.73			3.97	6.98	31
	3.46	6.38			2.68	5.71	2.97	5.96			3.12	5.70	
MAXIMUM	7.01		6.78		7.15		6.98		6.92		7.30		MAXIMUM
MINIMUM	2.35		2.03		1.84		1.72		1.96		2.31		MINIMUM

LOCATION: LAT. 38 03 01, LONG. 121 29 45, NE SEC. 2, T2N, R4E, ON LITTLE CONNECTION SLOUGH ON EMPIRE TRACT, 0.7 MILE SOUTH OF VENICE ISLAND FERRY.

PERIOD OF RECORD: OCT 1927 TO DATE

TABLE 8-12 (CONTINUED)

DAILY TIDES

B95580 SAN JOAQUIN RIVER AT VENICE ISLAND
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	4.03	6.34	3.97	5.92	4.37	5.61	2.91	4.40	2.56	4.60	2.36	5.07	01
	2.47	5.15	2.30	5.40	3.08	6.34	2.73	5.94	3.70	6.38	3.54		
02	3.79	5.78	3.80	5.33	3.92	5.19	2.73	4.22	2.40	4.80	6.30	2.32	02
	2.34		2.11		3.05		3.03		3.90		5.16	3.44	
03	5.14	3.89	5.46	3.44	6.20	3.29	6.05	2.51	6.54	2.34	6.38	2.42	03
	5.71	2.48	4.99	2.44	4.83	3.21	4.40	3.51	5.06	4.04	5.36	3.26	
04	5.42	4.09	5.74	3.31	6.36	3.11	6.33	2.43	6.88	2.66	6.36	2.54	04
	5.64	2.63	4.58	2.13	5.05	3.88	4.68	3.81	5.48	4.08	5.56	3.20	
05	5.67	3.95	5.44	2.75	7.07	3.49	6.47	2.30	6.96	2.68	6.38	2.78	05
	5.54	2.61	4.42	2.34	5.69	4.28	4.83	3.81	5.56	3.90	5.88	3.20	
06	5.60	3.49	5.34	2.46	7.13	3.41	6.70	2.39	6.90	2.64	6.34	3.04	06
	5.46	2.60	4.55	2.63	5.84	4.33	5.28	4.12	5.52	3.54	6.24		
07	5.63	3.27	5.62	2.37	7.02	2.98	6.89	2.55	6.56	2.24	3.26	6.22	07
	5.48	2.73	4.80	2.90	5.72	4.32	5.33	4.01	5.20	3.02	3.18	6.50	
08	5.72	3.02	5.86	2.40	7.19	2.89	6.86	2.44	6.22	2.24	3.24	6.12	08
	5.46	2.85	5.07	3.31	5.74	4.32	5.35	3.9.	5.42		3.38	6.68	
09	5.76	2.86	6.19	2.49	7.11	2.79	6.91	2.55	3.00	6.14	3.10	5.76	09
	5.49	3.15	5.19	3.41	5.76	4.37	5.47	3.75	2.46	5.78	3.32	6.72	
10	5.92	2.75	6.26	2.37	7.22	2.96	6.74	2.51	3.04	6.02	3.22	5.78	10
	5.55	3.25	5.17	3.41	6.10	4.66	5.52	3.65	2.66	6.12	3.70	6.82	
11	6.03	2.74	6.18	2.11	7.55	3.36	6.52	2.47	3.22	5.98	3.10	5.66	11
	5.62	3.56	4.95	3.29	6.31		5.62		3.08	6.50	3.98	6.84	
12	6.26	2.60	6.15	2.03	4.60	7.29	3.52	6.19	3.32	5.66	3.13	5.62	12
	5.46	3.58	5.10	3.64	2.91	6.01	2.47	5.02	3.24	6.62	4.18	6.60	
13	6.39	2.67	6.43	2.33	4.26	6.78	3.38	5.95	3.12	5.36	3.00	5.72	13
	5.66		5.73		2.74	6.28	2.60	6.20	3.30	6.58	4.22	6.62	
14	4.03	6.72	4.45	6.97	4.60	6.86	3.57	5.93	2.90	5.16	2.90	5.68	14
	2.85	5.64	2.84	5.72	3.18	6.63	3.03	6.5.	3.54	6.62	3.94		
15	3.98	6.39	4.21	6.56	4.47	6.49	3.25	5.28	2.76	5.24	6.42	2.76	15
	2.30	5.27	2.52	5.70	3.28	6.61	2.72	6.24	3.84		5.64	3.74	
16	3.96	6.31	4.15	6.33	3.88	5.82	2.73	4.81	6.74	2.74	6.20	2.74	16
	2.36	5.26	2.47	5.76	3.01	6.59	2.91	6.43	5.40	3.48	5.56	3.46	
17	4.09	6.20	3.99	5.95	3.47	5.57	2.67	5.08	6.62	2.56	6.10	2.82	17
	2.45	5.39	2.22	5.65	3.52		3.65		5.56	3.86	5.72	3.42	
18	4.03	5.79	3.68	5.72	6.77	3.06	6.74	2.66	6.50	2.48	6.14	3.08	18
	2.15		2.75		5.22	3.44	5.18	3.83	5.34	3.54	5.88	3.48	
19	5.17	3.71	6.17	3.61	6.95	3.03	6.78	2.56	6.34	2.42	6.10	3.08	19
	5.49	1.86	5.68	3.30	5.27	3.45	5.31	3.91	5.32	3.44	5.86	3.18	
20	5.17	3.26	6.73	3.50	6.80	2.58	6.80	2.57	6.18	2.44	5.74	2.90	20
	5.35	2.10	5.13	2.41	5.35	3.90	5.42	3.94	5.44	3.40	5.74	2.94	
21	5.54	3.15	6.04	2.54	6.97	2.60	6.74	2.56	6.22	2.66	5.68	3.06	21
	5.63	2.63	5.08	2.93	5.41	3.89	5.42	3.80	5.70	3.56	5.84		
22	6.00	3.17	6.40	2.58	6.92	2.54	6.70	2.52	6.22	2.74	2.84	5.46	22
	5.70	2.71	5.27	3.26	5.55	4.00	5.46	3.74	5.64		3.06	5.78	
23	5.97	2.59	6.61	2.64	6.87	2.61	6.64	2.61	3.32	5.96	2.62	5.07	23
	5.38	2.76	5.40	3.50	5.63	4.07	5.54	3.75	2.72	5.68	2.88	5.64	
24	6.16	2.54	6.75	2.52	6.75	2.60	6.57	2.63	3.18	5.74	2.34	4.88	24
	5.81	3.44	5.47	3.77	5.42	3.71	5.56		2.70	5.68	3.02	5.74	
25	6.68	2.73	6.87	2.48	6.31	2.05	3.64	6.27	3.06	5.54	2.36	4.88	25
	5.68	3.35	5.50	3.82	5.23		2.54	5.67	2.98	5.92	3.34	5.96	
26	6.44	2.34	6.80	2.57	3.59	6.08	3.68	6.16	3.32	5.46	2.56	5.10	26
	5.29	3.30	5.60		2.04	5.37	2.72	5.88	3.42	6.26	3.72	6.20	
27	6.46	2.26	4.14	6.87	1.72	5.95	3.72	6.03	3.22	5.10	2.72	5.22	27
	5.25		2.56	5.68	2.12	5.45	3.14	6.22	3.14	6.02	4.12	6.26	
28	3.42	6.34	4.09	6.56	3.64	5.56	3.86	5.74	2.78	4.70	2.68	5.28	28
	2.15	5.24	2.45	5.62	2.11	5.51	3.17	6.29	3.18	5.96	3.98	6.08	
29	3.65	6.29	4.07	6.27	3.60	5.28	3.60	5.24	2.48	4.50	2.52	5.32	29
	2.18	5.35	2.23	5.75	2.36	5.64	3.11	6.13	3.44	5.98	3.78	6.08	
30	3.89	6.20	4.36	6.22	3.35	4.74	3.19	4.75	2.34	4.66	2.62	5.50	30
	2.22	5.39	2.56	6.12	2.54	5.84	3.03	6.06	3.08	6.24	3.62		
31			4.50	5.96			2.79	4.41	2.32	4.92			31
			2.81	6.22			3.28	6.18	3.96	6.36			
MAXIMUM	6.72		6.97		7.55		6.91		6.46		6.84		MAXIMUM
MINIMUM	1.86		2.03		2.05		2.30		2.24		2.32		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 10.7 - 12-26-55

ZERO OF GAGE: 1927 -3.45 USCGS
1959 -4.00 USCGS
1964 -4.01 USCGS
1964 TO DATE -3.00 USCGS

TABLE B-12 (CONTINUED)

DAILY TIDES

895540 MIDDLE RIVER AT MOWRY BRIDGE
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	3.34	5.63	3.66	5.79	3.88	5.83	3.27	5.44	3.90	5.62	3.86	5.75	01
	3.51	5.75	4.59	6.81	4.66	6.47	3.97	5.79	3.99	5.30	3.80	5.40	
02	3.57	5.78	4.03	5.96	3.92	6.04	3.51	5.32	4.12	6.40	3.87	5.66	02
	3.95	6.55	4.78	6.64	4.78	6.58	3.84	5.39	4.16		3.61	4.65	
03	3.67	5.84	4.02	5.86	3.96	5.97	3.22	5.14	5.34	4.02	3.65	5.51	03
	3.94	5.85	4.71	6.46	4.61	6.51	3.39	4.68	6.15	3.77	3.43		
04	3.39	5.62	3.97	5.83	4.39	6.80	3.10	5.30	5.52	4.50	NR	NR	04
	3.92	6.09	4.74	6.79	5.16	6.61	3.55		6.60				
05	3.37	5.55	4.04	5.59	4.21	5.99	4.48	3.34	3.88	5.38	NR	NR	05
	4.04	6.16	4.69	6.34	4.51		5.25	3.41	4.33	6.20			
06	3.25	5.39	3.92	5.90	5.96	3.83	4.16	3.46	3.86	5.33	NR	NR	06
	4.06	6.09	4.50	6.10	5.83	4.20	5.89		4.48	6.21			
07	3.10	5.43	3.65	5.73	5.43	3.84	3.63	5.11	4.19	5.72	NR	NR	07
	4.27	6.37	4.37		5.93	4.07	3.86	6.05	4.91	6.51			
08	3.29	5.67	6.16	3.69	5.38	4.00	3.46	5.11	4.51	6.04	NR	NR	08
	4.36		5.70	3.94	5.61		4.48	6.74	5.10	6.50			
09	6.51	3.15	5.58	3.59	3.88	5.24	4.04	5.38	4.69	6.29	NR	NR	09
	5.70	4.17	5.66		4.12	6.08	4.33	6.27	5.32	6.81			
10	6.33	3.12	3.74	5.38	3.92	5.23	3.51	4.86	5.03	6.86	NR	NR	10
	5.45	3.85	3.65	5.64	4.23	6.36	4.04	6.07	5.30	6.74			
11	6.09	3.16	3.65	5.32	4.01	5.54	3.48	4.85	4.74	6.31	NR	NR	11
	5.74	3.54	3.69	6.27	4.43	6.44	4.02	5.88	4.99	6.42			
12	5.47	3.05	3.67	5.11	3.98	5.56	3.46	4.70	4.65	6.32	NR	NR	12
	5.62		3.84	6.39	4.51	6.89	3.85	5.29	5.01	6.44			
13	3.29	5.63	3.64	5.13	4.07	5.66	3.19	4.35	4.81	6.76	NR	NR	13
	3.18	5.85	4.07	6.79	4.55	6.13	3.65	5.41	5.23	6.60			
1	3.29	5.47	3.83	5.31	3.81	4.99	3.14	4.84	5.00	6.88	4.62	6.03	14
	3.23	6.01	4.25	7.00	4.26	6.25	3.63	5.33	5.41	6.33	4.44	6.07	
1	3.28	5.24	4.01	5.87	3.83	5.05	3.11	4.80	5.07	6.24	4.56	6.11	15
	3.27	6.02	4.45	6.65	4.27	5.74	3.76	5.37	5.20	5.97	4.56	6.21	
16	3.13	5.11	3.83	5.70	3.67	4.91	3.31	5.01	5.14	6.51	5.07	6.78	16
	3.42	6.23	4.47	6.52	4.25	6.17	3.83	5.15	5.31	5.62	4.79	6.05	
17	3.14	5.01	3.77	5.41	3.76	5.11	3.27	4.81	4.99	6.15	4.78	6.62	17
	3.56	5.91	4.40	5.98	4.44	5.74	3.63	4.72	4.84	5.35	4.43	5.82	
18	3.14	5.31	3.56	5.39	3.65	5.21	3.18	4.69	4.71	6.00	4.89	6.76	18
	3.83	6.50	4.57	6.12	4.27	5.33	3.47	4.24	4.44		4.53		
19	3.26	5.46	3.57	5.55	3.43	5.07	3.19	4.69	5.13	4.68	5.77	4.97	19
	4.18	6.26	4.32	5.55	4.04	5.00	3.28		6.12	4.34	6.92	4.51	
20	3.36	5.77	3.38	5.32	3.30	5.11	3.69	3.11	5.35	5.02	5.77	5.07	20
	4.38	6.52	4.36	5.87	3.80	4.38	4.98	3.22	6.43	4.34	6.39	4.32	
21	3.22	5.02	3.64	6.27	3.21	4.93	4.21	3.44	5.47	4.93	5.81	5.05	21
	4.17	5.67	5.01		3.75		5.41		6.41		6.12	4.74	
22	3.02	5.44	5.76	3.69	4.57	3.39	3.06	4.33	4.22	5.21	6.35	5.46	22
	4.33		5.77	3.92	5.39	3.51	3.70	5.74	4.55	5.86	6.81		
23	6.10	3.18	4.91	3.36	4.04	3.31	3.30	4.80	3.98	4.98	4.72	6.07	23
	5.23	4.06	5.25	3.52	5.40		4.01	6.04	4.35	5.76	5.17	6.35	
24	5.59	3.13	4.50	3.33	3.24	4.01	3.46	4.89	3.94	5.09	4.74	5.98	24
	5.29	3.86	5.22		3.30	5.46	4.15	6.18	4.20	6.04	5.10	6.73	
25	5.56	3.39	3.54	4.85	3.11	4.46	3.57	5.13	3.98	5.83	4.91	7.34	25
	5.48	3.90	3.76	5.99	3.62	5.81	4.22	6.10	4.29	6.23	5.81	7.67	
26	5.76	3.74	3.63	5.15	3.32	4.72	3.69	5.23	4.14	5.60	5.43	7.11	26
	5.70		3.93	6.10	4.00	6.25	4.30	6.24	4.28	6.06	5.47	6.85	
27	3.91	5.80	3.66	5.33	3.51	5.13	3.65	4.96	4.09	5.48	5.11	7.20	27
	3.84	5.88	4.15	6.29	4.11	6.71	4.12	6.33	3.96	5.60	5.35	6.67	
28	3.86	6.17	3.74	5.43	3.90	6.02	3.51	5.20	3.83	5.49	5.08	7.07	28
	4.50	7.10	4.33	6.35	4.74	6.62	3.61	5.87	3.74	5.45	4.85	6.02	
29	4.37	6.03	3.77	5.19	4.06	5.82	3.42	5.16			4.88	6.69	29
	4.21	6.59	4.28	6.58	4.49	6.35	3.80	5.73			4.71	6.05	
30	3.78	5.76	3.82	5.61	3.67	5.21	3.58	5.34			4.89	6.62	30
	4.21	6.14	4.48	6.73	4.17	6.57	3.90	5.60			4.67	5.95	
31	3.71	5.69			3.96	5.38	3.68	5.25			5.13	7.23	31
	4.23	6.32			3.85	5.65	3.65	5.62			5.07	6.42	
MAXIMUM	7.10		7.00		6.89		6.74		6.88		NR		MAXIMUM
MINIMUM	3.02		3.33		3.11		3.06		3.74		NR		MINIMUM

NR - NO RECORD

LOCATION: LAT. 37 50 04, LONG 121 22 59, NE SEC. 24, T1S, R5E,
AT UNDINE ROAD CROSSING ON UPPER ROBERTS ISLAND.

PERIOD OF RECORD: JULY 1948 TO SEPT 1966
MARCH 1968 TO DATE

TABLE B-12 (CONTINUED)

DAILY TIDES

895540 MIDDLE RIVER AT MOWRY BRIDGE
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	5.21	6.52	5.28	4.02	6.44	4.68	5.77	3.08	6.12	2.79	5.81	3.10	01
	4.34		5.52	2.91	5.90	3.96	4.18	2.79	4.25	3.71	4.80	3.84	
02	5.67	4.69	5.31	3.85	6.55	4.61	5.80	2.80	6.08	2.72	5.71	2.94	02
	5.95	3.95	4.94	2.65	5.63	4.14	3.97	3.01	4.38	3.87	4.87	3.68	
03	5.44	4.55	4.86	3.44	6.48	4.32	5.90	2.72	6.07	2.82	5.73	3.01	03
	5.75	3.75	4.62	2.82	5.33	4.26	4.19	3.56	4.52	3.92	4.97		
04	5.68	4.58	5.16	3.41	6.69	4.43	6.22	2.81	6.35	3.02	3.58	5.60	04
	5.64	3.67	4.36	2.80	5.81	4.83	4.71	3.90	5.17	4.12	2.99	5.15	
05	5.49	4.38	4.77	3.26	7.41	4.86	6.38	2.88	6.11	3.04	3.56	5.57	05
	5.45		4.30		6.30	5.24	4.78	3.89	5.32		3.17	5.46	
06	3.60	5.30	3.05	4.83	7.44	4.78	6.58	2.94	4.04	5.98	3.61	5.56	06
	4.05	5.20	2.89	4.27	6.37	5.31	5.19	4.25	2.42	5.32	3.48	5.67	
07	3.54	5.11	3.06	5.06	7.39	4.62	6.80	3.00	3.73	5.54	3.75	5.55	07
	3.81	5.42	2.82	4.48	6.27		5.31		2.28	4.75	3.64	5.81	
08	3.81	5.37	3.37	5.28	5.33	7.54	4.14	6.70	3.26	5.42	3.81	5.54	08
	3.71	5.49	3.00	4.85	4.76	6.37	2.86	5.26	2.43	4.85	3.74	6.22	
09	3.74	5.51	3.72	5.63	5.37	7.56	4.00	6.74	3.24	5.33	3.76	5.42	09
	3.89	5.67	3.16	5.17	4.78	6.41	2.93	5.33	2.74	4.94	3.80	6.26	
10	4.15	5.71	3.90	5.67	5.49	7.63	3.88	6.54	3.32	5.16	3.78	5.45	10
	4.01	5.66	3.26	4.94	4.82	6.71	2.77	5.37	2.95	5.34	4.07	6.38	
11	4.25	5.83	3.89	5.55	5.76	7.93	3.75	6.22	3.42	5.09	3.61	5.37	11
	4.07	5.94	2.97	4.34	5.08	6.90	2.77	5.49	3.17	5.78	4.25		
12	4.52	6.00	3.60	5.35	5.68	7.71	3.64	6.02	3.51	5.07	6.44	3.63	12
	4.02	5.53	2.74	4.91	4.78	6.55	2.97	5.68	3.30		5.47	4.43	
13	4.43	6.21	3.88	5.76	5.21	7.14	3.62	5.85	5.86	3.18	6.45	3.71	13
	3.99	5.69	3.12	5.68	4.41		3.08		4.73	3.41	5.50	4.51	
14	4.66	6.49	4.66	6.45	6.63	5.25	6.09	3.71	5.80	2.91	6.28	3.54	14
	4.06	5.93	3.70	5.87	7.19	4.60	5.83	3.33	4.55	3.63	5.30	4.29	
15	4.60	6.21	4.57	6.73	7.04	5.36	6.29	3.41	5.78	2.79	6.13	3.50	15
	3.68	5.52	3.53		6.98	4.89	5.16	3.08	4.93	3.95	5.56	4.14	
16	4.45	6.22	5.87	4.50	7.14	5.18	5.96	2.86	5.99	2.95	5.90	3.36	16
	3.55		6.41	3.66	6.42	4.79	4.57	3.14	4.90	4.05	5.62		
17	5.49	4.41	5.95	4.37	7.07	4.99	6.13	2.87	5.91	3.09	3.90	5.77	17
	6.13	3.44	5.99	3.28	6.25	5.05	5.04	3.79	4.89	4.04	3.43	5.73	
18	5.55	4.29	5.47	4.14	7.21	4.95	6.54	2.97	5.81	3.19	4.01	5.77	18
	5.73	3.17	5.99	3.63	6.02	5.08	5.15	3.93	5.09		3.67	5.80	
19	5.33	4.04	6.39	4.24	7.39	4.92	6.64	2.91	3.90	5.79	4.08	5.72	19
	5.29	2.96	5.98	4.02	6.03	5.02	5.28	4.03	3.19	5.09	3.71	5.77	
20	5.03	3.70	7.01	4.79	7.21	4.38	6.63	3.12	3.84	5.61	3.91	5.39	20
	5.20	3.12	5.86	3.75	5.87	4.93	5.47		3.20	5.18	3.60	5.49	
21	5.24	3.74	6.20	3.62	7.16	3.88	4.07	6.65	3.84	5.62	3.69	5.30	21
	5.56		5.27	3.70	5.69		2.98	5.35	3.21	5.41	3.70	5.35	
22	3.59	5.63	6.50	3.58	4.53	7.03	3.90	6.51	3.96	5.64	3.61	5.03	22
	3.73	5.63	5.49		3.60	5.73	2.85	5.34	3.29	5.36	3.60	5.56	
23	3.47	5.45	3.96	6.68	4.44	6.99	3.88	6.40	3.78	5.34	3.44	4.87	23
	3.29	5.24	3.64	5.58	3.44	5.69	2.89	5.51	3.29	5.29	3.44	5.34	
24	3.39	5.51	4.11	6.86	4.31	6.65	3.95	6.36	3.67	5.16	3.19	4.64	24
	3.27	5.54	3.64	5.71	3.21	5.52	3.03	5.51	3.28	5.10	3.47	5.38	
25	3.93	6.06	4.39	6.99	4.03	6.20	3.77	6.17	3.52	4.97	3.16	4.73	25
	3.44	5.66	3.82	5.82	3.03	5.29	3.04	5.63	3.38	5.55	3.71	5.67	
26	3.84	5.96	4.47	7.03	3.93	5.98	3.83	6.09	3.01	5.20	3.24	4.88	26
	3.15	5.15	3.79	6.02	3.00	5.40	3.09	5.81	3.64	5.87	3.92	5.92	
27	3.65	6.02	4.69	7.12	3.97	6.00	3.88	6.06	3.53	4.84	3.23	4.98	27
	3.12	4.99	3.85	5.99	2.76		3.52	6.24	3.35	5.60	4.50	6.10	
28	3.71	5.67	4.69	6.86	5.43	3.87	4.03	5.80	3.13	4.44	3.28	5.05	28
	3.13	5.19	3.86	5.92	5.63	2.77	3.44	6.22	3.36	5.48	4.26		
29	3.91	5.79	4.61	6.58	5.51	3.69	3.71	5.26	2.78	4.26	5.78	3.17	29
	2.81		3.56		5.30	3.02	3.33		3.68		5.24	4.11	
30	5.22	3.96	6.00	4.73	5.68	3.49	6.05	3.27	5.53	2.58	5.46	3.26	30
	5.82	2.78	6.53	3.80	4.71	2.84	4.38	3.10	4.23	3.96	5.34	3.96	
31			6.35	4.86			6.05	2.89	5.74	3.01			31
			6.26	3.84			4.24	3.38	4.46	3.96			
MAXIMUM	6.52		7.12		7.93		6.80		6.35		6.45		MAXIMUM
MINIMUM	2.78		2.65		2.76		2.72		2.28		2.94		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 16.8 - 12-10-50
MAXIMUM OF RECORD IS MAXIMUM RECORDED STAGE

ZERO OF GAGE: 1948 TO 1952 -2.70 USCGS
1952 -2.67 USCGS
1964 -3.23 USCGS
1964 TO DATE -3.00 USCGS

TABLE 8-12 (CONTINUED)

DAILY TIDES

895500 MIDDLE RIVER AT BORDEN HIGHWAY
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	NR	NR	-0.47	2.24	-0.39	2.36	-1.02	2.02	-0.20	2.45	-0.16	2.57	01
			0.72	3.36	0.99	3.26	0.09	2.39	0.00	2.07	-0.23	2.14	
02	NR	NR	-0.31	2.40	-0.35	2.57	NR	NR	0.27	3.07	-0.06	2.49	02
			0.94	3.23	1.11	3.24			0.06	1.95	-0.56	1.43	
03	NR	NR	-0.45	2.29	-0.41	2.59	NR	NR	0.08	2.87	-0.16	2.27	03
			0.82	3.05	0.90	3.11			-0.27		-0.84		
04	NR	NR	-0.59	2.23	0.26	3.26	NR	NR	2.12	1.03	1.71	0.34	04
			0.81	3.24	1.39	3.18			3.33	-0.25	2.72	-0.56	
05	NR	NR	-0.56	2.13	-0.13	2.60	NR	NR	1.92	0.54	2.09	0.78	05
			0.80	2.91	0.58	2.43			2.86	-0.63	2.91	-0.51	
06	NR	NR	-0.65	2.35	-0.60	2.40	NR	NR	1.78	0.50	2.08	0.98	06
			0.58	2.58	0.08				2.75	-0.66	2.82	-0.64	
07	NR	NR	-0.74	2.36	1.87	-0.57	NR	NR	2.05	0.71	1.79	0.86	07
			0.57	2.66	2.54	-0.22			3.04	-0.41	3.17	0.15	
08	NR	NR	-0.58	2.30	1.80	-0.32	NR	NR	2.32	0.80	2.53	0.97	08
			-0.03		2.25	-0.57			3.00		2.96	-0.16	
09	NR	NR	2.10	-0.59	1.65	-0.04	NR	NR	-0.19	2.69	2.45	0.65	09
			2.29	-0.34	2.67	-0.57			1.04	3.33	2.76	-0.22	
10	NR	NR	1.90	-0.47	1.80	0.23	NR	NR	0.51	3.21	2.37	0.54	10
			2.31	-0.56	2.95	-0.47			1.07	3.22	3.07		
11	NR	NR	1.85	-0.34	1.97	0.48	NR	NR	-0.01	2.61	-0.03	2.62	11
			2.78	-0.59	3.02				0.58	2.87	0.49	3.04	
12	NR	NR	1.68	-0.07	-0.53	2.00	NR	NR	-0.19	2.61	0.04	2.74	12
			3.00		0.59	3.39			0.49	2.88	0.25	2.54	
13	NR	NR	-0.62	1.80	-0.43	2.09	NR	NR	0.06	3.10	-0.01	2.52	13
			0.27	3.30	0.59	2.81			0.69	3.01	0.34	2.91	
14	NR	NR	-0.45	1.96	-0.81	1.57	-1.25	1.43	0.31	3.15	0.21	2.53	14
			0.54	3.52	0.36	2.79	-0.07	2.06	0.89	2.59	-0.05	2.46	
15	NR	NR	-0.24	2.43	-0.78	1.61	-1.19	1.47	0.15	2.52	0.13	2.61	15
			0.78	3.26	0.39	2.39	-0.08	2.02	0.30	2.15	-0.11	2.53	
16	NR	NR	-0.41	2.30	-0.98	1.48	-1.12	1.64	0.12	2.71	0.86	3.24	16
			0.82	3.14	0.37	2.65	-0.13	1.81	0.43	1.58	0.16	2.36	
17	NR	NR	-0.50	2.04	-0.87	1.67	-1.20	1.47	0.12	2.42	0.44	3.00	17
			0.76	2.66	0.62	2.35	-0.42	1.3	-0.07	1.43	-0.36	2.11	
18	NR	NR	-0.74	2.02	-0.88	1.81	-1.27	1.38	0.04	2.38	0.63	3.13	18
			0.99	2.74	0.48	1.94	-0.64	0.87	-0.45		-0.26	2.04	
19	NR	NR	-0.72	2.17	-1.07	1.71	-1.10	1.42	1.27	0.37	0.87	3.30	19
			0.70	2.18	0.24	1.57	-0.97	0.35	2.61	-0.43	-0.07	2.17	
20	NR	NR	-0.92	1.98	-1.12	1.72	-0.90	1.68	1.67	1.02	1.12	2.84	20
			0.80	2.41	-0.09	0.99	-0.97		2.87	-0.71	-0.52		
21	NR	NR	-0.46	2.91	-1.08	1.68	0.84	-0.21	1.67	0.70	2.13	0.97	21
			1.52	2.33	-0.10	1.14	2.15	-1.07	2.80	-0.94	2.60	0.21	
22	NR	NR	-0.30	2.38	-0.72	2.02	0.95	0.10	1.45	0.24	2.88	1.41	22
			0.10		-0.59		2.38	-1.19	2.39	-1.10	3.27	-0.04	
23	NR	NR	1.46	-0.65	0.68	-0.48	1.14	0.29	1.41	0.01	2.50	0.88	23
			1.98	-0.41	2.08	-0.89	2.66	-1.07	2.35	1.00	2.83	-0.24	
24	NR	NR	1.15	-0.57	0.69	-0.33	1.40	0.36	1.58	-0.07	2.40	0.60	24
			1.98	-0.39	2.17	-1.04	2.79	-0.99	2.61		3.13	0.12	
25	NR	NR	1.55	0.00	1.16	0.03	1.63	0.36	-0.64	2.28	3.68	1.67	25
			2.61	-0.51	2.54	-0.86	2.77		0.09	2.82	4.04		
26	NR	NR	1.70	0.14	1.40	0.48	-0.84	1.81	-0.34	2.20	0.82	3.38	26
			2.73	-0.51	2.96		0.46	2.95	-0.08	2.60	0.94	3.22	
27	NR	NR	1.88	0.41	-0.72	1.92	-0.78	1.62	-0.48	2.10	0.42	3.48	27
			2.95		0.73	3.50	0.34	3.00	-0.39	2.23	0.70	3.04	
28	NR	NR	-0.51	2.05	-0.09	2.54	-0.81	1.84	-0.50	2.23	0.45	3.37	28
			0.64	3.03	1.07	3.25	-0.29	2.65	-0.41	2.11	0.02	2.38	
29	NR	NR	-0.50	1.84	-0.12	2.33	-0.83	1.84			0.33	3.18	29
			0.60	3.19	0.69	3.03	-0.22	2.39			-0.06	2.46	
30	NR	NR	-0.48	2.26	-0.67	1.94	-0.81	2.01			0.47	3.15	30
			0.85	3.35	0.46	3.18	-0.21	2.26			-0.16	2.39	
31	-0.40	2.17			-0.15	1.92	-0.70	2.05			0.85	3.71	31
	0.48	2.97			0.04	2.34	-0.60	2.38			0.42	2.69	
MAXIMUM	NR		3.52		3.50		NR		3.33		4.04		MAXIMUM
MINIMUM	NR		-0.92		-1.12		NR		-1.10		-0.84		MINIMUM

NR - NO RECORD

LOCATION: LAT. 37 53 28, LONG. 121 29 20, NW SEC. 36, T1N, R4E, VICTORIA ISLAND BELOW STATE HWY 4 BRIDGE, 10 MILES NW OF TRACY.

PERIOD OF RECORD: JULY 1939 TO DATE

TABLE 8-12 (CONTINUED)

DAILY TIDES

895500 MIDDLE RIVER AT BORDEN HIGHWAY
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	0.94	2.94	0.73	2.41	3.04	1.15	2.55	-0.20	-0.68	1.18	2.71	-0.83	01
	-0.58	2.01	-0.92		2.51	-0.01	1.24	-0.52	0.54		1.59	0.42	
02	0.58	2.45	2.14	0.56	3.11	0.74	2.67	-0.50	2.91	-0.82	2.60	-0.82	02
	-0.79		1.84	-1.13	2.14	-0.16	1.06	-0.17	1.32	0.72	1.69	0.28	
03	1.93	0.69	1.92	0.22	2.98	0.14	2.78	-0.73	2.95	-0.87	2.67	-0.73	03
	2.34	-0.70	1.52	-0.82	1.78	0.06	1.20	0.38	1.46	0.80	1.84	0.08	
04	2.22	0.86	2.16	0.07	3.16	-0.01	3.01	-0.79	3.25	-0.53	2.61	-0.62	04
	2.26	-0.59	1.22	-1.11	1.97	0.70	1.49	0.68	2.02	0.85	2.03	0.00	
05	2.29	0.75	1.69	-0.45	3.85	0.38	3.15	-0.87	3.15	-0.53	2.61	-0.37	05
	2.12	-0.58	1.14	-0.90	2.63	1.10	1.60	0.66	2.20	0.71	2.32		
06	2.07	0.30	1.71	-0.72	3.90	0.31	3.34	-0.76	3.11	-0.57	0.00	2.60	06
	1.95	-0.60	1.25	-0.59	2.75	1.16	1.94	0.97	2.16	0.34	-0.11	2.54	
07	1.96	0.05	1.97	-0.80	3.81	-0.11	3.57	-0.59	2.74	-0.92	0.07	2.51	07
	2.12	-0.47	1.53	-0.32	2.60	1.14	2.11	0.80	1.74		0.03	2.72	
08	2.16	-0.17	2.18	-0.79	3.96	-0.09	3.52	-0.74	-0.20	2.52	0.07	2.43	08
	2.18	-0.32	1.81	0.07	2.66	1.15	2.09	0.71	-0.92	1.83	0.21	3.05	
09	2.22	-0.30	2.50	-0.69	3.94	-0.25	3.57	-0.61	-0.22	2.43	-0.05	2.20	09
	2.28	-0.01	1.97	0.21	2.66	1.19	2.18		-0.75	2.02	0.17	3.07	
10	2.39	-0.34	2.53	-0.77	4.06	-0.12	0.54	3.39	-0.15	2.28	0.06	2.24	10
	2.22		1.73	0.22	2.98		-0.66	2.22	-0.55	2.32	0.54	3.20	
11	0.12	2.49	2.45	1.00	1.50	4.35	0.45	3.12	0.00	2.23	-0.07	2.15	11
	-0.34	2.43	1.32	0.05	0.31	3.21	-0.71	2.31	-0.13	2.78	0.85	3.26	
12	0.43	2.67	2.34	-1.11	1.50	4.14	0.17	2.89	0.10	2.06	-0.06	2.19	12
	-0.44	2.11	1.82		-0.13	2.89	-0.72	2.49	0.02	2.87	1.04	3.26	
13	0.44	2.86	0.45	2.66	1.03	3.62	0.15	2.65	-0.10	1.80	-0.13	2.19	13
	-0.40	2.26	-0.78	2.46	-0.33	3.09	-0.58	2.88	0.11	2.82	1.09		
14	0.86	3.10	1.31	3.28	1.36	3.69	0.36	2.66	-0.31	1.64	3.06	-0.24	14
	-0.24	2.48	-0.26	2.50	0.09	3.46	-0.21	3.14	0.43		2.10	0.83	
15	0.84	2.90	1.00	3.38	1.23	3.36	0.01	2.02	2.84	-0.47	2.83	-0.39	15
	-0.70	2.12	-0.56	2.49	0.16	3.49	-0.49	2.85	1.84	0.74	2.22	0.57	
16	0.82	2.88	0.97	3.06	0.73	2.73	-0.46	1.57	2.99	-0.48	2.69	-0.41	16
	-0.73	2.12	-0.64	2.55	-0.11		-0.31		1.80	0.74	2.26	0.28	
17	0.91	2.81	0.81	2.63	3.47	0.36	2.97	-0.54	2.89	-0.60	2.57	-0.31	17
	-0.65		-0.87		2.47	0.33	1.84	0.43	1.87	0.71	2.36	0.24	
18	2.23	0.85	2.44	0.50	3.55	-0.01	3.39	-0.54	2.75	-0.70	2.56	-0.08	18
	2.44	-0.98	2.57	-0.40	2.17	0.36	1.95	0.62	1.87	0.37	2.47	0.28	
19	2.00	0.52	2.99	0.44	3.74	-0.08	3.47	-0.62	2.62	-0.73	2.52	-0.06	19
	2.06	-1.19	2.54	0.05	2.20	0.32	2.08	0.69	1.83	0.25	2.45		
20	1.83	0.11	3.52	0.95	3.55	-0.50	3.44	-0.60	2.47	-0.72	0.03	2.19	20
	1.95	-1.01	2.35	-0.62	2.26	0.74	2.17	0.74	1.93	0.21	-0.25	2.19	
21	2.02	0.00	2.72	-0.43	3.08	-0.49	3.44	-0.62	2.50	-0.50	-0.21	2.10	21
	2.27	-0.52	1.93	-0.21	2.25	0.73	2.16	0.59	2.18		-0.09	2.18	
22	2.44	-0.02	3.10	-0.50	3.62	-0.57	3.37	-0.65	0.38	2.51	-0.31	1.84	22
	2.39	-0.48	2.12	0.11	2.35	0.83	2.16	0.54	-0.43	2.12	-0.11	2.27	
23	2.34	-0.59	3.31	-0.45	3.66	-0.55	3.21	-0.57	0.12	2.28	-0.53	1.59	23
	2.08	-0.43	2.22	0.33	2.40		2.24		-0.44	2.08	-0.28	2.09	
24	2.46	-0.62	3.45	-0.54	0.84	3.37	0.53	3.21	0.00	2.06	-0.82	1.40	24
	2.33	0.24	2.30	0.63	-0.59	2.21	-0.56	2.26	-0.47	1.97	-0.14	2.16	
25	2.98	-0.42	3.57	-0.54	0.51	2.95	0.44	2.98	-0.14	1.88	-0.79	1.46	25
	2.36	0.18	2.35		-1.06	2.00	-0.66	2.35	-0.24	2.37	0.25	2.44	
26	2.81	-0.79	0.67	3.60	0.41	2.73	0.39	2.86	0.11	2.10	-0.56	1.68	26
	1.99		-0.49	2.58	-1.04	2.12	-0.47	2.56	0.23	2.72	0.66	2.69	
27	0.07	2.87	0.99	3.70	0.51	2.74	0.46	2.77	0.00	1.66	-0.40	1.78	27
	-0.85	1.86	-0.43	2.53	-1.01	2.19	-0.04	2.96	-0.07	2.47	1.14	2.83	
28	0.22	2.58	0.98	3.45	0.42	2.37	0.61	2.58	-0.41	1.28	-0.43	1.85	28
	-0.94	1.96	-0.44	2.47	-1.06	2.26	-0.04	3.00	0.00	2.38	0.90	2.56	
29	0.45	2.66	0.94	3.15	0.23	2.10	0.38	2.05	-0.75	1.13	-0.59	1.95	29
	-0.99	2.06	-0.82	2.56	-0.82	2.39	-0.17	2.80	0.38	2.40	0.67		
30	0.68	2.67	1.08	3.10	0.11	1.60	-0.04	1.48	-0.88	1.16	2.64	-0.45	30
	-0.95	2.10	-0.51	2.93	-0.66		-0.21	2.77	0.69		2.09	0.50	
31			1.30	2.86			-0.43	1.23	2.61	-0.87			31
			-0.30				0.11	2.90	1.34	0.73			
MAXIMUM	3.10		3.70		4.35		3.57		3.25		3.26		MAXIMUM
MINIMUM	-1.19		-1.13		-1.06		-0.87		-0.92		-0.83		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 7.2 - 12-26-65

ZERO OF GAGE: 1939 TO 1943 -4.10 USCGS
1943 0.00 USCGS
1964 -0.59 USCGS
1964 TO DATE 0.00 USCGS

TABLE B-12 (CONTINUED)

DAILY TIDES

B95460 MIDDLE RIVER AT BACON ISLAND
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	5.51	2.97	2.43	5.24	2.49	5.35	1.65	5.06	3.10	6.26	2.98	6.27	01
	6.03		3.65	6.50	3.99	6.79	3.04	5.71	3.18	5.58	2.90	5.57	
02	3.01	5.61	2.55	5.35	2.55	5.58	2.07	5.29	3.48	6.67	3.09	6.18	02
	3.45	6.38	3.90	6.52	4.12	6.69	2.87	5.16	3.20	5.27	2.56	4.94	
03	3.03	5.67	2.43	5.24	2.60	5.71	1.90	5.22	3.24	6.46	2.91	5.93	03
	3.52	6.29	3.79	6.33	4.08	6.51	2.49	4.59	2.89		2.28	4.87	
04	2.78	5.48	2.29	5.18	3.19	6.23	1.93	5.57	5.31	4.21	3.52	6.24	04
	3.57	6.38	3.77	6.21	4.35	6.46	2.40	4.31	6.87	2.89	2.59		
05	2.74	5.36	2.32	5.31	2.77	5.85	2.15	5.58	5.07	3.71	5.24	3.95	05
	3.72	6.42	3.78	6.00	3.57	5.41	2.15		6.34	2.46	6.35	2.63	
06	2.61	5.22	2.23	5.32	2.30	5.67	4.19	2.64	4.90	3.66	5.39	4.19	06
	3.83	6.31	3.57	5.56	3.04	4.85	6.16	2.49	6.17	2.42	6.30	2.53	
07	2.45	5.27	2.16	5.60	2.35	5.85	4.77	3.31	5.18	3.86	5.30	4.07	07
	4.14	6.56	3.57	5.61	2.74		6.34	2.41	6.43	2.63	6.71	3.31	
08	2.72	5.46	2.32	5.52	4.78	2.63	5.11	4.02	5.41	3.91	5.91	4.13	08
	4.19	6.31	2.92		5.76	2.36	6.90	2.90	6.49	2.87	6.35	2.95	
09	2.52	5.52	5.11	2.33	4.61	2.92	5.25	3.62	6.01	4.15	5.67	3.76	09
	3.97	6.15	5.60	2.60	6.04	2.35	6.26	2.13	6.80	3.61	6.23	2.87	
10	2.48	5.55	4.91	2.47	4.83	3.24	4.80	3.44	6.30	4.15	5.80	3.65	10
	3.55		5.69	2.35	6.29	2.40	6.15		6.62		6.20	3.05	
11	5.97	2.51	4.86	2.63	4.94	3.46	2.02	4.74	3.05	5.73	5.95	3.56	11
	5.59	3.12	5.82	2.29	6.35	2.33	3.31	6.07	3.68	6.25	6.16	3.12	
12	5.69	2.39	4.90	2.89	4.98	3.59	1.99	4.69	2.89	5.74	5.86	3.33	12
	5.58	2.78	6.06	2.29	6.42		3.06	5.60	3.62	6.27	5.90		
13	5.57	2.62	5.06	3.24	2.43	5.05	1.68	4.49	3.21	6.30	3.07	5.94	13
	5.79	2.65	6.34		3.56	6.18	2.92	5.55	4.01	6.27	3.41	6.06	
14	5.52	2.77	2.43	5.20	2.06	4.81	1.81	4.72	3.40	6.27	3.28	5.89	14
	5.97	2.57	3.51	6.54	3.38	6.06	3.06	5.45	3.85	5.79	3.01	5.58	
15	5.41	2.85	2.64	5.42	2.06	4.83	1.89	4.87	3.20	5.91	3.23	5.97	15
	5.97		3.76	6.56	3.40	5.83	3.05	5.36	3.36	5.33	2.92	5.61	
16	2.38	5.29	2.49	5.29	1.91	4.76	1.95	5.02	3.20	6.09	3.92	6.54	16
	3.04	6.17	3.83	6.40	3.38	5.65	2.98	4.99	3.40	4.72	3.17	5.38	
17	2.41	5.30	2.40	5.23	1.99	4.99	1.89	4.90	3.11	5.78	3.51	6.05	17
	3.23	6.24	3.76	6.03	3.55	5.61	2.70	4.43	3.01	4.45	2.69	5.14	
18	2.35	5.26	2.18	5.28	2.03	5.13	1.85	4.89	3.15	5.74	3.73	6.18	18
	3.47	6.32	3.99	5.93	3.50	5.13	2.50	4.14	2.64	4.28	2.76	5.04	
19	2.52	5.51	2.21	5.15	1.86	5.04	2.06	4.98	3.50	6.04	3.96	6.31	19
	3.90	6.44	3.73	5.34	3.26	4.62	2.16	3.66	2.65		2.98	5.24	
20	2.71	5.56	2.02	5.20	1.83	4.99	2.26	5.22	4.86	4.08	4.23	6.09	20
	4.13	6.28	3.82	5.38	2.92	4.11	2.16		6.22	2.32	2.53		
21	2.52	5.29	2.57	6.36	1.91	5.20	3.94	2.95	4.65	3.77	5.14	4.11	21
	3.96	5.77	4.59	5.31	2.94	4.12	5.63	2.05	6.06	2.06	5.95	3.31	
22	2.32	5.43	2.69	5.63	2.26	5.40	4.09	3.25	4.48	3.34	6.16	4.55	22
	4.13	5.80	3.11	4.44	2.36	3.83	5.83	1.88	5.86	1.93	6.52	3.00	
23	2.54	5.42	2.36	5.33	2.52	5.42	4.25	3.42	4.75	3.11	5.86	3.96	23
	3.73	5.24	2.59		2.02		6.09	1.99	5.93	2.04	6.29	2.78	
24	2.33	5.38	4.27	2.44	3.82	2.71	4.54	3.47	4.99	3.01	5.90	3.68	24
	3.36		5.41	2.60	5.57	1.89	6.26	2.07	6.10	2.36	6.43	3.16	
25	5.19	2.59	4.82	3.02	4.16	3.06	4.78	3.48	5.42	3.14	6.77	4.75	25
	5.55	3.27	5.89	2.43	6.00	2.06	6.41	2.23	6.23		7.30	3.76	
26	5.37	2.90	4.69	3.15	4.63	3.49	5.03	3.58	2.68	5.65	6.39	3.77	26
	5.82	3.16	6.06	2.42	6.39	2.22	6.57		2.97	5.95	6.43	3.46	
27	5.38	3.03	4.89	3.41	4.98	3.89	2.27	4.97	2.56	5.63	6.60	3.55	27
	5.94	3.02	6.28	2.38	7.05	2.89	3.28	6.43	2.69	5.84	6.30		
28	5.76	3.85	5.07	3.64	5.53	3.95	2.24	5.05	2.61	5.89	3.41	6.47	28
	6.91	3.59	6.50		6.69		2.97	6.19	2.69	5.51	2.99	5.66	
29	5.59	3.38	2.41	5.11	2.66	5.28	2.26	5.21			3.36	6.67	29
	6.28	2.75	3.61	6.49	3.62	6.54	2.87	5.81			2.93	5.76	
30	5.32	3.37	2.41	5.25	2.20	5.06	2.28	5.50			3.57	6.71	30
	6.21		3.86	6.71	3.42	6.47	2.90	5.69			2.99	5.80	
31	2.50	5.18			2.49	4.84	2.44	5.64			3.95	6.95	31
	3.46	6.32			2.91	5.69	2.84	5.91			3.25	5.70	
MAXIMUM	6.91		6.71		7.05		6.90		6.87		7.30		MAXIMUM
MINIMUM	2.32		2.02		1.83		1.68		1.93		2.28		MINIMUM

LOCATION: LAT. 38 00 07, LONG. 121 31 22, SW SEC. 22, T2N, R4E, AT NE CORNER OF BACON ISLAND AT JUNCTION OF MIDDLE RIVER AND CONNECTION SLOUGH

PERIOD OF RECORD: OCT 1948 TO SEPT 1966
MAR 1968 TO DATE

TABLE B-12 (CONTINUED)

DAILY TIDES

895460 MIDDLE RIVER AT BACON ISLAND
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	4.03	6.30	3.94	5.86	4.32	5.55	2.99	4.38	2.52	4.56	6.32	2.32	01
	2.45	5.13	2.26	5.36	3.07		2.69	5.89	3.69	6.34	5.01	3.53	
02	3.74	5.75	3.76	5.28	6.28	3.87	2.69	4.19	2.38	4.74	6.23	2.29	02
	2.32		2.06		5.16	3.01	3.04		3.89		5.13	3.43	
03	5.11	3.86	5.40	3.41	6.15	3.26	6.00	2.47	6.48	2.31	6.33	2.39	03
	5.65	2.44	4.92	2.36	4.79	3.17	4.37	3.51	4.99	4.01	5.32	3.23	
04	5.38	4.05	5.67	3.28	6.32	3.08	6.28	2.39	6.80	2.64	6.30	2.51	04
	5.59	2.57	4.55	2.08	5.02	3.85	4.63	3.80	5.45	4.07	5.53	3.15	
05	5.63	3.92	5.35	2.73	7.01	3.46	6.43	2.27	6.91	2.64	6.31	2.76	05
	5.49	2.57	4.37	2.29	5.66	4.25	4.77	3.80	5.51	3.89	5.83	3.15	
06	5.55	3.47	5.27	2.44	7.08	3.37	6.65	2.37	6.85	2.61	6.27	3.01	06
	5.43	2.55	4.51	2.60	5.79	4.31	5.11	4.12	5.47	3.55	6.17		
07	5.56	3.22	5.56	2.34	6.96	2.95	6.83	2.54	6.50	2.21	3.22	6.17	07
	5.46	2.69	4.77	2.86	5.08	4.29	5.29	3.99	5.16	2.98	3.16	6.42	
08	5.68	2.99	5.79	2.36	7.14	2.89	6.80	2.41	6.16	2.21	3.23	6.07	08
	5.43	2.82	5.03	3.26	5.70	4.28	5.29	3.89	5.38		3.36	6.61	
09	5.71	2.82	6.12	2.45	7.07	2.77	6.85	2.52	2.98	6.08	3.08	5.71	09
	5.45	3.12	5.16	3.38	5.72	4.32	5.42	3.73	2.43	5.72	3.30	6.67	
10	5.88	2.73	6.18	2.34	7.18	2.93	6.68	2.47	3.03	5.97	3.19	5.72	10
	5.53	3.22	5.14	3.38	6.05	4.63	5.46		2.64	6.04	3.67	6.76	
11	5.98	2.72	6.11	2.10	7.49	3.34	3.64	6.47	3.18	5.93	3.07	5.60	11
	5.58	3.54	4.89	3.25	6.27		2.44	5.57	3.05	6.44	3.96	6.79	
12	6.21	2.58	6.08	1.99	4.64	7.25	3.48	6.14	3.29	5.60	3.09	5.59	12
	5.42	3.54	5.06	3.63	2.89	5.97	2.44	5.76	3.21	6.55	4.17	6.75	
13	6.32	2.65	6.36	2.30	4.24	6.73	3.35	5.91	3.09	5.27	3.00	5.67	13
	5.60		5.66		2.73	6.22	2.57	6.15	3.28	6.52	4.21	6.56	
14	3.96	6.44	4.42	6.89	4.57	6.81	3.54	5.89	2.88	5.14	2.87	5.61	14
	2.81	5.60	2.83	5.65	3.15	6.58	2.99	6.43	3.55	6.56	3.93		
15	3.95	6.33	4.17	6.51	4.43	6.44	3.20	5.23	2.73	5.21	6.36	2.74	15
	2.30	5.23	2.50	5.63	3.23	6.56	2.69	6.18	3.82		5.56	3.72	
16	3.94	6.26	4.11	6.29	3.83	5.79	2.71	4.79	6.08	2.69	6.17	2.72	16
	2.32	5.22	2.42	5.70	2.97	6.54	2.86	6.38	5.32	3.89	5.54	3.43	
17	4.06	6.16	3.95	5.91	3.44	5.53	2.62	5.05	6.56	2.54	6.05	2.80	17
	2.41	5.34	2.18	5.60	3.45		3.62		5.48	3.80	5.68	3.38	
18	4.01	5.75	3.65	5.67	6.72	3.04	6.69	2.62	6.45	2.45	6.08	3.04	18
	2.12		2.70		5.20	3.45	5.15	3.80	5.30	3.54	5.84	3.45	
19	5.13	3.67	6.11	3.56	6.89	2.98	6.72	2.53	6.29	2.41	6.03	3.04	19
	5.46	1.87	5.63	3.20	5.23	3.41	5.27	3.88	5.28	3.42	5.84	3.16	
20	5.13	3.23	6.66	3.66	6.74	2.56	6.72	2.54	6.11	2.40	5.69	2.87	20
	5.30	2.07	5.19	2.39	5.32	3.87	5.38	3.91	5.39	3.38	5.67	2.91	
21	5.48	3.12	5.98	2.54	6.91	2.57	6.68	2.52	6.15	2.64	5.63	3.03	21
	5.59	2.59	5.04	2.92	5.37	3.87	5.37	3.77	5.65	3.54	5.78		
22	5.94	3.12	6.35	2.55	6.85	2.51	6.64	2.49	6.16	2.72	2.82	5.41	22
	5.64	2.66	5.24	3.22	5.49	3.97	5.41	3.71	5.00	3.30	3.02	5.72	
23	5.93	2.55	6.55	2.60	6.82	2.56	6.59	2.57	5.89	2.71	2.59	5.03	23
	5.34	2.72	5.36	3.45	5.57	4.02	5.49	3.73	5.63		2.86	5.58	
24	6.09	2.50	6.69	2.50	6.68	2.52	6.51	2.59	3.15	5.47	2.31	4.83	24
	5.74	3.41	5.44	3.75	5.38		5.52		2.68	5.62	2.99	5.68	
25	6.59	2.71	6.84	2.47	3.08	6.26	3.62	6.23	3.03	5.50	2.33	4.84	25
	5.62	3.32	5.46	3.78	2.02	5.18	2.50	5.61	2.94	5.87	3.35	5.90	
26	6.38	2.29	6.75	2.54	3.58	6.02	3.64	6.11	3.30	5.60	2.53	5.06	26
	5.25	3.24	5.72		2.06	5.32	2.69	5.83	3.39	6.20	3.73	6.12	
27	6.39	2.24	4.11	6.83	3.69	5.91	3.70	5.99	3.17	5.08	2.49	5.18	27
	5.20		2.54	5.64	2.10	5.39	3.11	6.18	3.10	5.97	4.11	6.21	
28	3.38	6.26	4.06	6.53	3.61	5.53	3.84	5.77	2.77	4.65	2.65	5.22	28
	2.13	5.20	2.49	5.58	2.08	5.47	3.14	6.23	3.16	5.49	3.97	6.04	
29	3.63	6.23	4.07	6.24	3.56	5.24	3.56	5.24	2.44	4.48	2.48	5.28	29
	2.13	5.30	2.21	5.70	2.34	5.58	3.05	6.08	3.43	5.94	3.77	6.04	
30	3.87	6.14	4.33	6.19	3.31	4.71	3.16	4.66	2.30	4.62	2.61	5.46	30
	2.19	5.35	2.53	6.07	2.49	5.77	2.98	6.01	3.06	6.19	3.60		
31			4.48	5.93			2.76	4.38	2.28	4.88			31
			2.79	6.17			3.27	6.14	3.92				
MAXIMUM	6.64		6.89		7.49		6.85		6.91		6.79		MAXIMUM
MINIMUM	1.87		1.99		2.02		2.27		2.21		2.29		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 10.2 - 12-26-55

ZERO OF GAGE: 1948 -2.94 USCGS
1964 -3.65 USCGS
1964 TO DATE -3.00 USCGS

TABLE 8-12 (CONTINUED)

DAILY TIDES

895380 OLD RIVER NEAR TRACY ROAD BRIDGE
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.56	5.41	2.83	5.65	2.97	5.71	NR	NR	2.87	4.93	2.92	4.93	01
	2.80	5.27	3.91	6.49	4.08	5.91			3.05		2.83	4.75	
02	2.85	5.57	3.10	5.82	3.02	5.91	NR	NR	4.85	3.28	2.98	4.83	02
	3.28	6.32	4.09	6.31	4.20	6.19			5.72	3.17	2.54		
03	2.93	5.62	2.97	5.69	2.98	5.81	2.30	4.75	5.17	3.13	3.84	2.75	03
	3.31	5.40	3.98	6.06	3.86	6.22	2.67	4.27	5.55	2.80	4.82	2.29	
04	2.65	5.41	2.85	5.64	3.55	6.62	2.19	4.72	5.27	3.92	4.83	3.28	04
	3.33	5.70	3.98	6.62	4.51	6.28	2.69		6.10	2.87	5.41	2.56	
05	2.62	5.33	2.90	5.04	3.25	5.67	4.05	2.42	5.09	3.53	5.21	3.68	05
	3.50	5.76	3.95	5.87	3.77	5.81	4.66	2.44	5.63		5.60	2.61	
06	2.49	5.18	2.79	5.74	2.79	5.85	3.70	2.73	2.62	4.99	4.82	3.95	06
	3.55	5.69	3.76	5.96	3.34		5.44	2.80	3.55	5.67	5.45	2.46	
07	2.30	5.22	2.63	5.36	5.27	2.79	4.94	3.27	2.70	5.30	4.29	3.70	07
	3.82	6.00	3.71		5.48	3.10	5.61		3.81	5.91	5.92		
08	2.57	5.44	6.02	2.75	5.21	3.00	2.57	4.63	2.97	5.59	3.26	5.21	08
	3.89		5.38	3.17	4.99	2.80	3.94	6.25	3.93	5.78	3.95	5.78	
09	6.27	2.40	5.47	2.68	5.04	3.22	3.14	4.89	3.16	5.47	3.05	5.28	09
	5.46	3.68	5.29	2.90	5.62		3.65	5.78	4.17	6.22	3.71	5.44	
10	6.09	2.34	5.27	2.81	2.83	4.84	2.34	4.38	3.72	6.47	2.98	5.08	10
	5.09	3.30	5.59		3.42	5.99	3.34	5.60	4.15	6.10	3.62	6.30	
11	5.86	2.40	2.74	5.22	2.95	5.36	2.27	4.28	3.31	5.86	3.20	5.35	11
	5.51	2.93	2.88	6.15	3.68	6.06	3.27	5.36	3.75	5.72	3.63	6.29	
12	5.07	2.23	2.74	4.95	2.92	5.39	2.24	4.09	3.14	5.87	3.27	5.97	12
	5.40		3.10	6.10	3.78	6.75	2.98	4.59	3.69	5.81	3.40	5.29	
13	2.60	5.41	2.71	5.04	3.01	5.49	1.88	4.03	3.34	6.33	3.20	5.31	13
	2.46	5.63	3.41	6.66	3.71	5.42	2.84	5.18	4.04	5.97	3.56	6.17	
14	2.52	5.16	2.92	4.96	NR	NR	1.97	4.67	3.60	6.44	3.43	5.42	14
	2.56	5.79	3.64	6.88			2.91	4.90	4.19	5.69	3.20	5.73	
15	2.46	4.86	3.15	5.73	NR	NR	1.97	4.34	3.55	5.26	3.36	5.51	15
	2.65	5.81	3.86	6.30			2.95	4.92	3.62	5.18	3.23	5.87	
16	2.28	4.72	2.93	5.43	NR	NR	2.10	4.68	3.48	5.60	4.01	6.30	16
	2.80	6.00	3.89	6.14			2.94	4.62	3.81	4.60	3.51	5.69	
17	2.31	4.58	2.85	5.01	NR	NR	2.01	4.42	3.46	5.27	3.66	6.30	17
	2.98	5.51	3.82	5.55			2.67	4.37	3.25	4.47	3.04	5.44	
18	2.28	4.92	2.60	5.40	NR	NR	1.89	3.95	3.27	5.29	3.81	6.44	18
	3.23	6.29	4.04	5.81			2.44	3.67	2.85		3.11		
19	2.44	5.17	2.62	5.30	NR	NR	2.00	3.93	4.52	3.49	5.37	3.99	19
	3.65	6.18	3.75	5.24			2.15		5.42	2.86	6.59	3.21	
20	2.60	5.55	2.40	4.98	NR	NR	2.95	2.12	4.57	4.07	5.16	4.18	20
	3.86	6.32	3.83	5.72			4.57	2.14	5.74	2.72	5.84	2.84	
21	2.41	4.54	2.79	5.90	NR	NR	3.89	2.71	4.96	3.87	5.38	4.05	21
	3.69	5.60	4.54				5.00	2.02	5.76		5.63	3.44	
22	2.15	5.11	5.64	2.90	NR	NR	4.08	3.04	2.56	4.71	5.70	4.49	22
	3.88		5.46	3.25			5.26	2.02	3.41	5.13	6.22	3.30	
23	5.89	2.43	4.79	2.53	NR	NR	4.29	3.28	2.32	4.15	5.31	4.04	23
	4.88	3.55	4.82	2.76			5.56		3.16	4.85	5.53		
24	5.42	2.30	4.20	2.57	NR	NR	2.16	4.61	2.38	4.39	3.16	5.45	24
	4.90	3.24	4.78	2.78			3.37	5.68	3.10	5.45	3.82	6.13	
25	5.38	2.59	4.43	3.11	NR	NR	2.27	4.85	2.69	5.57	3.46	6.97	25
	5.27	3.22	5.66				3.38	5.51	3.27	5.65	4.83	7.15	
26	5.56	2.99	2.76	5.05	NR	NR	2.44	4.75	2.95	4.90	4.23	6.75	26
	5.27		3.28	5.76			3.49	5.55	3.14	5.53	4.37	6.24	
27	3.20	5.63	2.79	5.23	NR	NR	2.44	4.34	2.80	4.68	3.75	6.83	27
	3.09	5.48	3.53	5.88			3.49	5.80	2.81	4.95	4.12	6.03	
28	3.09	5.98	2.83	5.08	NR	NR	2.42	4.96	2.68	4.76	3.80	6.73	28
	3.86	6.74	3.74	5.89			2.81	5.35	2.75	4.82	3.44	5.51	
29	3.69	5.84	2.85	4.81	NR	NR	2.35	4.61			3.61	6.20	29
	3.55	6.31	3.69	6.25			2.87	5.19			3.30	5.45	
30	2.98	5.61	2.89	5.33	NR	NR	2.41	4.74			3.67	5.81	30
	3.57	5.75	3.91	6.38			2.90	5.06			3.20	5.14	
31	2.89	5.56			NR	NR	2.49	4.58			4.00	6.58	31
	3.59	5.98					2.52	5.11			3.78	5.99	
MAXIMUM	6.74		6.88		NR		NR		4.47		7.15		MAXIMUM
MINIMUM	2.15		2.40		NR		NR		2.32		2.29		MINIMUM

NR = NO RECORD

LOCATION: LAT. 37 48 18, LONG. 121 26 55, SE SEC. 32, T1S, R5E, EIGHTY FEET ABOVE TRACY ROAD BRIDGE, 3.5 MILES NORTHWEST OF TRACY.

PERIOD OF RECORD: JUN 1951 TO DEC 1954
FEB 1955 TO DATE

TABLE 8-12 (CONTINUED)

DAILY TIDES

895380 OLD RIVER NEAR TRACY ROAD BRIDGE
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	4.16	5.88	5.16	3.56	6.09	4.16	5.52	2.71	5.70	2.15	4.79	1.94	01
	2.80		5.17	2.13	5.74	3.14	4.29	2.34	3.90	3.30	3.98	3.64	
02	5.23	3.63	5.16	3.33	6.32	3.86	5.52	2.41	5.65	2.01	4.77	1.92	02
	5.33	2.47	4.72	1.82	5.33	3.06	4.06	2.65	3.94	3.40	4.14	2.91	
03	4.76	3.66	4.31	3.01	6.10	3.31	5.61	2.20	5.50	2.00	4.80	2.02	03
	5.28	2.46	4.22	2.09	5.03	3.21	4.21	3.15	3.97	3.43	4.29		
04	5.36	3.78	4.61	2.94	6.30	3.22	5.96	2.11	5.88	2.32	2.74	4.74	04
	5.25	2.52	3.88	1.07	5.25	3.82	4.53	3.44	4.72	3.71	2.11	4.44	
05	4.69	3.67	4.04	2.50	7.11	3.66	6.07	2.08	5.44	2.33	2.68	4.73	05
	5.16	2.50	4.18	2.13	5.93	4.26	4.67	3.43	4.82		2.35	4.74	
06	4.62	3.29	4.08	2.27	7.09	3.58	6.37	2.21	3.48	5.37	2.72	4.65	06
	4.50	2.47	4.11	2.43	5.99	4.27	5.02	3.78	2.38	5.06	2.80	4.87	
07	4.28	3.05	4.33	2.21	7.10	3.20	6.59	2.39	3.15	5.00	2.83	4.70	07
	5.10		4.36	2.70	5.87		5.15		1.98	4.39	2.77	4.86	
08	2.62	4.67	4.58	2.26	4.27	7.25	3.60	6.53	2.61	5.07	2.86	4.73	08
	2.87	5.03	4.59		3.30	5.94	2.26	5.11	1.94	4.37	2.89	5.42	
09	2.78	4.78	3.06	4.93	4.17	7.24	3.54	6.57	2.61	4.91	2.73	4.63	09
	2.83	5.09	2.38	5.06	3.18	5.95	2.36	5.23	2.13	4.34	2.88	5.46	
10	3.12	5.02	3.17	4.94	4.34	7.35	3.39	6.41	2.69	4.56	2.81	4.71	10
	2.90	5.22	2.32	4.45	3.32	6.28	2.33	5.25	2.31	4.84	3.20	5.56	
11	3.28	5.22	3.13	4.80	4.58	7.68	3.30	6.13	2.83	4.59	2.69	4.63	11
	2.89	5.08	2.13	3.70	3.69	6.51	2.24	5.28	2.68		3.49		
12	3.54	5.29	3.00	4.67	4.55	7.43	3.09	5.86	5.19	2.94	5.62	2.72	12
	2.81	5.14	1.96	4.60	3.29	6.18	2.26	5.45	4.58	2.83	4.73	3.67	
13	3.51	5.64	3.31	5.25	4.11	6.89	3.05	5.66	5.29	2.75	5.70	2.67	13
	2.84	5.22	2.31	5.42	3.00		2.38		4.51	2.90	4.91	3.75	
14	3.82	6.35	4.12	5.92	6.35	4.34	5.84	3.22	5.12	2.52	5.42	2.58	14
	2.99	5.71	2.83	5.66	6.95	3.35	5.67	2.71	4.05	3.19	4.36	3.55	
15	3.85	5.75	3.95	6.38	6.72	4.36	6.00	2.90	5.08	2.38	5.35	2.41	15
	2.56	5.34	2.60		6.06	3.50	5.04	2.41	4.58	3.53	4.85	3.29	
16	3.79	5.79	5.66	3.93	6.69	3.98	5.67	2.44	5.31	2.42	5.05	2.36	16
	2.47		6.11	2.55	6.00	3.28	4.59	2.53	4.29	3.56	4.96	3.00	
17	5.32	3.85	5.74	3.75	6.55	3.62	5.96	2.36	5.14	2.33	4.92	2.44	17
	5.87	2.54	5.90	2.34	5.68	3.60	4.83	3.27	4.12	3.53	5.02		
18	5.33	3.76	5.64	3.48	6.77	3.32	6.28	2.41	5.05	2.29	2.98	4.88	18
	5.53	2.20	5.82	2.77	5.48	3.65	4.95	3.44	4.47	3.24	2.68	5.05	
19	5.17	3.46	6.16	3.53	6.90	3.31	6.43	2.32	4.99	2.26	3.06	4.83	19
	4.83	1.95	5.72	3.19	5.48	3.59	5.07	3.52	4.48		2.69	5.04	
20	4.61	3.07	6.74	4.24	6.84	2.90	6.43	2.38	3.15	4.80	2.82	4.50	20
	4.74	2.11	5.64	2.62	5.51	3.89	5.22	3.61	2.27	4.54	2.53	4.68	
21	4.83	3.00	5.95	2.81	6.92	2.79	6.45	2.33	3.12	4.85	2.59	4.36	21
	5.40	2.63	5.18	2.91	5.45		5.20		2.44	4.98	2.68	4.40	
22	5.22	3.00	6.32	2.70	3.75	6.83	3.31	6.34	3.25	4.94	2.52	4.15	22
	5.20	2.55	5.34	3.20	2.63	5.46	2.29	5.18	2.50	4.75	2.62	4.76	
23	4.82	2.43	6.54	2.76	3.77	6.76	3.34	6.20	3.01	4.60	2.25	4.05	23
	4.85		5.46		2.63	5.52	2.35	5.23	2.47	4.62	2.43	4.51	
24	2.58	4.90	3.38	6.69	3.74	6.52	3.36	6.13	2.88	4.39	1.99	3.82	24
	2.36	5.27	2.69	5.52	2.51	5.33	2.33	5.24	2.45	4.28	2.54	4.53	
25	3.19	5.53	3.63	6.74	3.45	6.10	3.17	5.93	2.75	4.37	2.00	4.02	25
	2.65	5.46	2.76	5.58	2.09	5.11	2.23	5.33	2.61	4.97	2.93	4.93	
26	3.16	5.49	3.67	6.84	3.30	5.87	3.19	5.83	2.99	4.66	2.26	4.24	26
	2.33	4.81	2.77	5.77	2.05	5.23	2.42	5.09	3.05	5.26	3.27	5.19	
27	3.05	5.59	3.98	6.88	3.38	5.86	3.25	5.77	2.87	4.61	2.36	4.32	27
	2.27	4.48	2.85	5.76	2.09	5.29	2.83	5.96	2.75	4.99	3.82		
28	3.14	5.14	4.00	6.53	3.32	5.49	3.49	5.58	2.47	4.07	5.39	2.39	28
	2.18	4.91	2.86	5.71	2.02		2.81	5.91	2.76		4.33	3.55	
29	3.31	5.34	3.93	6.29	3.31	3.14	3.19	4.99	4.82	2.15	5.01	2.22	29
	2.05		2.42		5.23	2.16	2.66		3.85	3.18	4.60	3.35	
30	5.10	3.51	5.79	4.07	5.43	3.05	5.71	2.78	NR	NR	5.13	2.36	30
	5.43	2.06	6.32	2.72	4.67	2.24	4.20	2.57			4.67	3.22	
31			6.03	4.25			5.71	2.39	NR	NR			31
			6.09	2.90			4.07	2.88					
MAXIMUM	6.35		6.88		7.68		6.59		NR		5.70		MAXIMUM
MINIMUM	1.95		1.82		2.02		2.08		NR		1.92		MINIMUM

NR - NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 13.2 - 12-29-55

ZERO OF GAGE: 1958 -4.44 USCGS
1964 -4.47 USCGS
1964 TO DATE -3.00 USCGS

TABLE 8-12 (CONTINUED)

DAILY TIDES

895420 TOM PAINE SLOUGH ABOVE MOUTH
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.78	5.45	3.05	5.72	3.22	5.74	NR	NR	3.14	5.00	3.19	4.99	01
	2.99	5.41	4.11	6.56	4.22	5.98			3.31	4.87	3.11	4.82	
02	3.06	5.62	3.35	5.86	NR	NR	NR	NR	3.51	5.76	3.24	4.90	02
	3.48	6.36	4.28	6.36					3.44		2.84		
03	3.12	5.68	3.25	5.75	NR	NR	2.54	4.79	5.15	3.38	3.93	3.00	03
	3.46	5.47	4.18	6.12			2.85	4.33	5.58	3.06	4.87	2.61	
04	2.84	5.45	3.16	5.70	NR	NR	2.41	4.79	5.29	4.07	4.85	3.49	04
	3.48	5.74	4.19	6.68			2.92		6.14	3.15	5.46	2.87	
05	2.80	5.37	3.22	5.21	NR	NR	4.10	2.66	5.13	3.76	5.24	3.98	05
	3.64	5.80	4.15	5.95			4.70	2.72	5.66		5.65	2.92	
06	2.67	5.23	3.10	5.80	NR	NR	3.76	2.91	2.97	5.03	4.88	4.10	06
	3.67	5.75	3.97	6.01			5.47	3.01	3.81	5.71	5.51	2.79	
07	2.47	5.26	2.92	5.42	NR	NR	4.92	3.42	3.12	5.36	4.39	3.89	07
	3.92		3.88				5.66		4.11	5.99	5.95		
08	6.07	2.73	6.07	3.03	NR	NR	2.78	4.64	3.39	5.65	3.54	5.28	08
	5.49	4.01	5.40	3.38			4.06	5.29	4.26	5.95	4.17	5.83	
09	6.31	2.58	5.50	2.92	NR	NR	3.38	4.96	3.58	5.58	3.36	5.35	09
	5.51	3.80	5.34	3.13			3.84	5.83	4.45	6.30	3.95	5.49	
10	6.13	2.51	5.30	3.02	NR	NR	2.65	4.36	4.06	6.51	3.31	5.15	10
	5.16	3.44	5.66				3.52	5.64	4.46	6.17	3.88	6.34	
11	5.87	2.56	2.99	5.26	NR	NR	2.58	4.38	3.69	5.93	3.53	5.43	11
	5.54	3.07	3.11	6.19			3.46	5.41	4.09	5.81	3.92	6.31	
12	5.13	2.40	3.00	5.00	NR	NR	2.57	4.24	3.55	5.90	3.58	6.02	12
	5.43		3.30	6.09			3.22	4.66	4.05	5.71	3.72	5.37	
13	2.77	5.43	2.97	5.07	NR	NR	2.24	4.10	3.74	6.40	3.55	5.44	13
	2.63	5.66	3.59	6.70			3.06	5.13	4.37	6.96	3.87	6.21	
14	2.68	5.15	3.17	5.00	NR	NR	2.28	4.70	3.99	6.49	3.76	5.57	14
	2.73	5.81	3.91	6.93			3.09	4.95	4.53	5.81	3.54	5.77	
15	2.63	4.91	3.37	5.73	NR	NR	2.27	4.42	3.95	5.41	3.70	5.57	15
	2.80	5.83	4.02	6.36			3.16	4.90	4.04	5.33	3.59	5.91	
16	2.46	4.78	3.18	5.45	NR	NR	2.42	4.72	3.92	5.89	4.30	6.39	16
	2.96	6.03	4.05	6.21			3.18	4.71	4.22	4.85	3.46	5.74	
17	2.48	4.64	3.10	5.05	NR	NR	2.36	4.47	3.88	5.41	3.96	6.34	17
	3.13	5.67	3.97	5.59			2.93	4.42	3.68	4.64	3.43	5.48	
18	2.49	5.02	2.86	5.40	NR	NR	2.25	4.02	3.58	5.41	4.10	6.47	18
	3.39	6.34	4.17	5.84			2.72	3.77	3.31		3.50		
19	2.65	5.25	2.88	5.30	NR	NR	2.34	4.01	4.62	3.83	5.41	4.25	19
	3.79	6.20	3.90	5.28			2.46		5.49	3.28	6.43	3.58	
20	2.80	5.62	2.68	5.01	NR	NR	3.08	2.4[illegible]	4.72	4.32	5.20	4.42	20
	3.99	6.36	3.97	5.79			4.61	2.44	5.83	3.19	5.91	3.24	
21	2.61	4.70	3.03	5.96	NR	NR	3.93	2.90	5.04	4.19	5.44	4.33	21
	3.81	5.58	4.67				5.05	2.30	5.83		5.71	3.80	
22	2.35	5.17	5.66	3.11	NR	NR	4.13	3.21	3.04	4.79	5.82	4.74	22
	3.99		5.50	3.43			5.34	2.38	3.74	5.20	6.26	3.69	
23	5.94	2.63	4.82	2.75	NR	NR	4.34	3.47	2.80	4.31	5.37	4.35	23
	4.95	3.68	4.87	2.97			5.61		3.50	4.95	5.63		
24	5.46	2.51	4.23	2.78	NR	NR	2.53	4.65	2.84	4.47	3.60	5.51	24
	4.96	3.39	4.81	2.97			3.58	5.72	3.41	5.48	4.17	6.19	
25	5.43	2.79	4.47	3.29	NR	NR	4.90	3.61	3.05	5.60	3.85	7.00	25
	5.31	3.39	5.71				5.57		3.55	5.69	5.12	7.25	
26	5.63	3.19	3.00	5.08	NR	NR	2.77	4.83	3.28	5.10	4.56	6.81	26
	5.34	3.39	3.45	5.81			3.73	5.61	3.46	5.57	4.71	6.30	
27	5.68	3.28	3.02	5.26	NR	NR	2.78	4.41	3.18	4.77	4.10	6.87	27
	5.54		3.70	5.95			3.66	5.85	3.16	4.99	4.48	6.12	
28	3.30	6.04	3.08	5.17	NR	NR	2.72	4.97	3.02	4.81	4.14	6.78	28
	4.02	6.77	3.90	5.94			3.00	5.41	3.05	4.88	3.83	5.57	
29	3.87	5.88	3.10	4.85	NR	NR	2.64	4.68			3.95	6.20	29
	3.72	6.30	3.85	6.30			3.13	5.22			3.69	5.50	
30	3.19	5.66	3.14	5.21	NR	NR	2.74	4.78			4.00	5.87	30
	3.74	5.81	4.06	6.43			3.18	5.09			3.58	5.26	
31	3.11	5.61			NR	NR	2.83	4.86			4.31	6.44	31
	3.77	6.03					2.82	5.14			4.14	6.07	
MAXIMUM	6.77		6.93		NR		NR		6.51		7.25		MAXIMUM
MINIMUM	2.35		2.68		NR		NR		2.80		2.61		MINIMUM

NR - NO RECORD

LOCATION: LAT. 37 47 27, LONG. 121 25 03, NE SEC. 4, T2S, R5E, 0.1 MILE EAST OF MOUTH OF SUGAR CUT, 2.2 MILES ABOVE MOUTH, 2.6 MILES NORTH OF TRACY. STATION WAS DISCONTINUED 9-30-66 AND REACTIVATED 2-26-68.

PERIOD OF RECORD: JUNE 51 TO OCT 53 (IRRIGATION SEASON ONLY)
APR 54 TO SEPT 66
MAR 68 TO DATE

TABLE 8-12 (CONTINUED)

DAILY TIDES

895420 TOM PAINE SLOUGH ABOVE MOUTH
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	4.46	5.99	5.17	3.72	6.18	4.37	5.55	2.93	5.74	2.36	5.07	2.37	01
	3.24		5.20	2.40	5.81	3.46	4.33	2.52	3.96	3.37	4.23	3.39	
02	5.29	3.93	5.16	3.44	6.33	4.13	5.55	2.64	5.68	2.21	5.03	2.36	02
	5.41	2.92	4.78	2.09	5.41	3.41	4.11	2.82	3.99	3.48	4.39	3.25	
03	4.88	3.93	4.37	3.19	6.17	3.69	5.63	2.44	5.60	2.21	5.06	2.43	03
	5.33	2.85	4.27	2.35	5.12	3.54	4.26	3.32	4.04	3.52	4.52	3.09	
04	5.40	3.97	4.65	3.15	6.35	3.62	5.94	2.39	5.92	2.51	4.99	2.48	04
	5.28	2.86	3.93	2.19	5.32	4.13	4.58	3.57	4.74	3.82	4.67		
05	4.81	3.87	4.11	2.78	7.16	4.05	6.09	2.37	5.50	2.53	3.03	4.99	05
	5.28	2.82	4.24	2.46	6.02	4.56	4.70	3.57	4.88	3.62	2.74	5.01	
06	4.67	3.53	4.16	2.56	7.17	3.97	6.39	2.49	5.43	2.54	3.12	4.91	06
	4.58	2.79	4.16	2.72	6.09	4.58	5.05	3.92	5.10		2.99	5.13	
07	4.37	3.30	4.41	2.54	7.18	3.66	6.62	2.61	3.30	5.06	3.21	4.95	07
	5.13		4.44	2.97	5.96	4.57	5.19		2.19	4.45	3.16	5.13	
08	2.95	4.70	4.65	2.61	7.32	3.75	3.77	6.55	2.78	5.09	3.26	5.00	08
	3.16	5.08	4.69		6.02		2.51	5.13	2.16	4.42	3.29	5.68	
09	3.09	4.86	3.31	5.02	4.51	7.30	3.68	6.61	2.77	4.95	3.13	4.89	09
	3.16	5.19	2.72	5.11	3.66	6.03	2.60	5.25	2.33	4.44	3.27	5.71	
10	3.43	5.11	3.44	5.02	4.66	7.41	3.57	6.42	2.86	4.64	3.22	4.96	10
	3.22	5.25	2.71	4.50	3.80	6.38	2.56	5.26	2.50	4.87	3.56	5.81	
11	3.58	5.38	3.38	4.86	4.90	7.76	3.49	6.15	2.99	4.65	3.12	4.89	11
	3.23	5.71	2.50	3.79	4.12	6.59	2.48	5.29	2.86	5.23	3.83		
12	3.80	5.35	3.18	4.74	4.89	7.50	3.27	5.86	3.13	4.65	5.86	3.15	12
	3.15	5.19	2.34	4.69	3.75	6.25	2.48	5.46	3.01		4.98	4.01	
13	3.78	5.69	3.51	5.28	4.43	6.95	3.24	5.67	5.32	2.94	5.91	3.08	13
	3.16	5.27	2.61	5.45	3.42		2.57		4.58	3.05	5.13	4.11	
14	4.03	6.33	4.24	6.02	6.39	4.60	5.83	3.39	5.17	2.73	5.68	3.00	14
	3.28	5.73	3.14	5.69	7.00	3.72	5.69	2.91	4.20	3.29	4.64	3.89	
15	4.06	5.80	4.14	6.43	6.76	4.65	6.00	3.11	5.14	2.56	5.63	2.85	15
	2.88	5.37	2.94		6.73	3.90	5.07	2.61	4.62	3.64	5.10	3.66	
16	3.97	5.82	5.69	4.13	6.79	4.36	5.73	2.63	5.35	2.60	5.32	2.80	16
	2.79		6.15	2.88	6.12	3.73	4.62	2.71	4.35	3.67	5.20	3.39	
17	5.35	4.02	5.77	3.97	6.63	4.05	5.96	2.59	5.19	2.52	5.18	2.87	17
	5.92	2.80	5.87	2.67	5.78	4.01	4.87	3.39	4.20	3.68	5.28		
18	5.34	3.93	5.67	3.71	6.84	3.79	6.29	2.64	5.11	2.50	3.37	5.14	18
	5.54	2.50	5.83	3.09	5.56	4.06	4.99	3.59	4.54	3.39	3.07	5.29	
19	5.18	3.64	6.19	3.78	6.96	3.79	6.43	2.57	5.06	2.50	3.45	5.11	19
	4.96	2.23	5.78	3.46	5.57	4.00	5.10	3.68	4.67		3.09	5.27	
20	4.64	3.26	6.78	4.44	6.93	3.40	6.45	2.63	3.31	4.87	3.22	4.77	20
	4.79	2.38	5.71	2.97	5.59	4.19	5.24		2.52	4.73	2.93	4.95	
21	4.85	3.21	5.98	3.11	6.95	3.18	3.73	6.47	3.31	4.92	2.98	4.63	21
	5.42	2.87	5.21	3.22	5.50	3.98	2.56	5.22	2.74	5.03	3.05	4.66	
22	5.25	3.23	6.35	3.07	6.86	2.95	3.45	6.35	3.43	4.99	2.91	4.41	22
	5.23	2.83	5.38	3.48	5.52		2.50	5.19	2.73	4.81	3.00	5.01	
23	4.87	2.70	6.58	3.11	3.95	6.82	3.50	6.21	3.20	4.68	2.69	4.30	23
	4.90		5.50		3.01	5.56	2.56	5.24	2.67	4.73	2.82	4.78	
24	2.84	5.05	3.66	6.71	3.94	6.52	3.51	6.15	3.08	4.47	2.41	4.10	24
	2.62	5.31	3.06	5.56	2.81	5.36	2.55	5.25	2.65	4.35	2.90	4.80	
25	3.40	5.58	3.87	6.79	3.66	6.12	3.32	5.95	2.95	4.44	2.40	4.28	25
	2.90	5.48	3.11	5.61	2.39	5.14	2.46	5.34	2.81	5.03	3.24	5.20	
26	3.36	5.52	3.92	6.86	3.49	5.87	3.35	5.83	3.18	4.73	2.62	4.49	26
	2.60	4.85	3.10	5.80	2.34	5.25	2.62	5.48	3.23	5.34	3.55	5.47	
27	3.26	5.61	4.21	6.90	3.56	5.86	3.41	5.80	3.06	4.64	2.68	4.56	27
	2.52	4.56	3.18	5.80	2.38	5.31	3.01	6.00	2.92	5.03	4.12	5.66	
28	3.33	5.24	4.22	6.60	3.50	5.50	3.64	5.59	2.67	4.14	2.75	4.60	28
	2.46	4.92	3.19	5.75	2.27		2.98	5.91	2.93	4.89	3.85		
29	3.50	5.39	4.14	6.34	5.33	3.33	3.36	5.04	2.36	3.90	5.27	2.59	29
	2.34		2.81		5.25	2.43	2.85		3.28		4.85	3.67	
30	5.13	3.69	5.82	4.28	5.44	3.25	5.71	2.96	4.90	2.25	5.39	2.72	30
	5.47	2.36	6.37	3.06	4.71	2.54	4.14	2.72	3.74	3.64	4.93	3.54	
31			6.10	4.46			5.72	2.60	5.08	2.25			31
			6.14	3.23			4.11	3.00	3.81	3.52			
MAXIMUM	6.33		6.90		7.76		6.62		5.92		5.91		MAXIMUM
MINIMUM	2.23		2.09		2.27		2.37		2.16		2.36		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 14.6 - 12-29-55

ZERO OF GAGE: 1955 -4.22 USCGS
1964 -4.43 USCGS
1964 TO DATE -3.00 USCGS

TABLE 8-12 (CONTINUED)

DAILY TIDES

895340 OLD RIVER AT CLIFTON COURT FERRY
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.53	5.18	2.70	5.38	2.75	5.48	2.17	5.11	2.88	4.90	2.66	4.76	01
	2.73	5.23	3.80	6.27	4.04	5.74	3.20	5.25	2.98	4.85	2.91	4.66	
02	2.79	5.35	2.87	5.55	2.80	5.70	2.34	4.76	3.26	5.54	3.24	4.66	02
	3.24	6.08	4.01	6.11	4.17	6.04	3.00	4.88	3.11		2.87	3.73	
03	2.86	5.41	2.71	5.45	2.80	5.70	2.13	4.57	4.91	3.09	2.77	4.73	03
	3.26	5.23	3.89	5.93	4.01	6.05	2.61	4.19	5.45	2.74	2.55		
04	2.56	5.20	2.57	5.39	3.37	6.34	2.06	4.50	5.07	4.03	4.56	3.37	04
	3.33	5.56	3.88	6.37	4.45	6.08	2.56		6.02	2.82	5.27	2.56	
05	2.52	5.11	2.65	5.07	3.01	5.52	3.97	2.29	4.88	3.55	4.96	3.80	05
	3.51	5.65	3.88	5.82	3.66	5.56	4.51	2.29	5.53	2.45	5.47	2.60	
06	2.44	4.98	2.51	5.50	2.55	5.53	3.61	2.69	4.77	3.52	4.73	4.06	06
	3.60	5.58	3.66	5.72	3.17		5.26	2.66	5.52		5.31	2.56	
07	2.26	5.02	2.41	5.27	5.01	2.55	4.60	3.29	2.43	5.06	4.32	3.90	07
	3.87	5.96	3.62		5.31	2.91	5.46	2.42	3.73	5.79	5.76	3.35	
08	2.53	5.23	5.77	2.54	4.96	2.81	4.51	3.97	2.78	5.33	5.19	4.10	08
	3.91	6.06	5.26	3.04	4.80	2.55	6.00		3.84	5.69	5.52		
09	2.34	5.23	5.23	2.51	4.80	3.05	2.94	4.81	2.91	5.38	3.00	4.98	09
	3.70		5.10	2.76	5.42	2.57	3.55	5.64	4.04	6.03	3.74	5.28	
10	5.89	2.26	5.03	2.64	4.52	3.31	2.12	4.25	3.66	6.18	3.13	4.92	10
	4.96	3.29	5.37	2.55	5.80		3.32	5.47	4.19	5.93	3.74	5.88	
11	5.65	2.31	4.98	2.75	2.68	5.12	2.01	4.23	3.11	5.52	3.45	5.18	11
	5.26	2.92	5.89		3.56	5.87	3.24	5.26	3.62	5.60	3.70	5.86	
12	4.96	2.21	2.58	4.71	2.65	5.16	1.96	4.09	2.86	5.59	3.51	5.55	12
	5.17	2.58	3.04	5.74	3.68	6.49	2.90	4.51	3.55	5.69	3.46	5.22	
13	5.19	2.42	2.56	4.83	2.73	5.24	1.63	3.82	3.13	6.09	NR	NR	13
	5.40		3.38	6.40	3.56	5.36	2.79	4.89	3.94	5.83			
14	2.47	4.89	2.71	4.85	2.36	4.39	1.76	4.42	3.34	6.10	3.15	5.40	14
	2.56	5.56	3.59	6.62	3.44	5.69	2.91	4.79	3.99	5.49	2.92	5.53	
15	2.39	4.74	2.89	5.42	2.39	4.49	1.81	4.26	3.25	5.04	3.10	5.46	15
	2.63	5.57	3.82	6.09	3.45	5.05	2.91	4.83	3.37	5.02	2.90	5.66	
16	2.21	4.60	2.72	5.21	2.19	4.38	1.90	4.46	3.16	5.48	3.82	6.22	16
	2.80	5.77	3.86	5.97	3.44	5.79	2.87	4.58	3.54	4.43	3.15	5.47	
17	2.26	4.52	2.67	4.91	2.31	4.46	1.80	4.24	3.15	5.09	3.43	6.11	17
	3.05	5.47	3.82	5.39	3.71	5.19	2.57	4.24	2.96	4.32	2.66	5.25	
18	2.18	4.80	2.39	5.16	2.29	4.62	2.02	3.82	3.02	5.18	3.62	6.27	18
	3.26	6.05	4.01	5.68	3.54	4.84	2.35	3.63	2.57		2.75	5.16	
19	2.34	4.95	2.45	4.98	2.07	4.51	1.86	3.81	4.33	3.34	3.84	6.39	19
	3.70	5.94	3.74	5.16	3.30	4.54	2.01		5.32	2.56	2.87		
20	2.53	5.34	2.20	4.87	2.01	4.70	2.91	2.07	4.45	4.00	4.99	4.07	20
	3.90	6.10	3.81	5.53	2.97	3.90	4.38	2.03	5.61	2.35	5.69	2.49	
21	2.39	4.62	2.66	5.79	2.02	4.27	3.69	2.74	4.67	3.69	5.22	3.93	21
	3.79	5.38	4.53	5.43	2.95		4.90	1.92	5.55	2.16	5.61	3.19	
22	2.13	4.95	2.77	5.27	3.96	2.33	3.93	3.08	4.45	3.24	5.62	4.36	22
	3.93	5.72	3.15		4.66	2.50	5.17	1.89	4.96	1.98	6.10	2.93	
23	2.39	4.77	4.58	2.42	3.46	2.58	4.03	3.30	4.07	3.04	5.19	3.82	23
	3.59		4.68	2.68	4.88	2.26	5.39	1.95	4.74		5.40	2.74	
24	5.23	2.21	4.08	2.52	3.60	2.74	4.40	3.37	2.05	4.20	5.32	3.57	24
	4.81	3.21	4.62	2.64	5.03	2.10	5.51		2.96	5.28	6.02	3.10	
25	5.17	2.49	4.30	3.05	3.98	3.09	2.03	4.61	2.42	5.25	6.65	4.62	25
	5.08	3.15	5.51	2.58	5.20		3.35	5.31	3.15	5.51	6.83		
26	5.32	2.89	4.83	3.19	2.26	4.24	2.16	4.57	2.75	4.87	3.85	6.47	26
	5.07	3.12	5.58		3.53	5.70	3.46	5.37	2.99	5.32	3.97	6.08	
27	5.39	3.00	2.60	5.01	2.45	4.65	2.27	4.23	2.55	4.54	3.44	6.54	27
	5.31	3.00	3.46	5.72	3.84	6.25	3.44	5.54	2.64	4.77	3.74	5.86	
28	5.71	3.79	2.60	4.94	3.05	5.69	2.27	4.58	2.56	4.59	3.48	6.45	28
	6.32		3.69	5.70	4.20	5.96	2.82	5.16	2.63	4.74	3.04	5.37	
29	3.60	5.60	2.63	4.67	3.05	5.42	2.21	4.50			3.30	5.99	29
	3.45	5.92	3.65	6.05	3.80	5.67	2.78	5.04			2.94	5.32	
30	2.88	5.36	2.66	5.04	2.50	4.68	2.19	4.58			3.42	5.67	30
	3.48	5.54	3.89	6.18	3.54	6.01	2.84	4.93			2.84	4.99	
31	2.72	5.31			3.02	5.05	2.35	4.63			3.81	6.38	31
	3.53	5.77			3.19	5.10	2.48	5.01			3.45	5.76	
MAXIMUM	6.32		6.62		6.49		6.00		6.18		NR		MAXIMUM
MINIMUM	2.13		2.20		2.01		1.63		1.98		NR		MINIMUM

NR = NO RECORD

LOCATION: LAT. 37 49 28, LONG. 121 33 05, SE SEC. 20, T1S, R4E, APPROXIMATELY 2,000 FEET BELOW JUNCTION WITH GRANT LINE CANAL. MAXIMUM GAGE HEIGHT LISTED DOES NOT INDICATE MAXIMUM DISCHARGE.

PERIOD OF RECORD: DEC 1948 TO DATE

TABLE 8-12 (CONTINUED)

DAILY TIDES

A95340 OLD RIVER AT CLIFTON COURT FERRY
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	3.94	5.79	4.96	3.61	5.88	4.17	5.34	2.66	5.00	2.26	4.82	2.18	01
	2.42		5.09	1.95	5.51	2.98	4.13	2.29	3.82	3.48	4.09	3.41	
02	5.06	3.50	4.97	3.42	6.05	3.73	5.36	2.35	5.53	2.65	4.82	2.19	02
	5.21	2.13	4.55	1.71	5.08	2.86	3.96	2.66	3.87	3.58	4.21	3.28	
03	4.71	3.60	4.26	3.08	5.85	3.15	5.47	2.12	5.43	2.08	4.82	2.26	03
	5.24	2.23	4.10	1.99	4.80	3.06	4.04	3.26	3.84	3.58	4.35	3.05	
04	5.22	3.75	4.52	2.97	6.09	3.02	5.81	2.08	5.73	2.41	4.79	2.38	04
	5.08	2.34	3.89	1.79	5.02	3.68	4.39	3.56	4.56	3.85	4.49		
05	4.79	3.64	3.93	2.45	6.80	3.35	5.92	2.00	5.31	2.38	2.98	4.79	05
	4.90	2.33	4.08	2.01	5.70	4.05	4.51	3.52	4.76	3.59	2.63	4.77	
06	4.57	3.22	4.01	2.20	6.94	3.28	6.19	2.15	5.32	2.25	2.96	4.73	06
	4.42	2.29	4.02	2.29	5.78	4.10	4.84	3.83	4.89	3.25	2.83	4.89	
07	4.21	2.92	4.25	2.08	6.83	2.87	6.41	2.33	4.99	2.03	3.04	4.73	07
	4.98	2.43	4.30	2.56	5.65	4.09	4.97	3.68	4.33		2.97	4.84	
08	4.61	2.72	4.47	2.12	6.98	2.92	6.37	2.20	2.73	4.89	3.08	4.75	08
	4.96	2.58	4.49	2.98	5.74	3.90	4.93	3.59	2.66	4.24	3.17	5.42	
09	4.72	2.61	4.81	2.25	7.00	2.76	6.41	2.31	2.77	4.74	2.94	4.65	09
	5.07		4.87	3.13	5.75		5.05		2.27	4.24	3.14	5.43	
10	2.90	4.92	4.81	2.13	4.13	7.10	3.45	6.25	2.82	4.41	3.03	4.74	10
	2.60	5.12	4.39		2.87	6.07	2.27	5.06	2.36	4.00	3.54		
11	3.05	5.24	3.11	4.67	4.29	7.42	3.37	5.96	2.92	4.52	5.57	2.95	11
	2.60	5.44	1.95	3.62	3.25	6.30	2.19	5.1	2.77	5.07	4.69	3.83	
12	3.37	5.17	3.07	4.68	4.28	7.22	3.03	5.71	3.00	4.47	5.65	2.93	12
	2.53	5.08	1.84	4.49	2.86	5.96	2.13	5.27	2.90		4.86	4.01	
13	3.36	5.49	3.38	5.16	3.91	6.66	3.03	5.52	5.12	2.80	5.73	2.85	13
	2.50	5.62	2.18	5.20	2.62	6.12	2.32	5.72	4.38	2.99	4.84	4.66	
14	3.66	6.10	4.20	5.81	4.24	6.75	3.26	5.51	5.06	2.59	5.46	2.73	14
	2.71	5.51	2.66	5.42	3.04	6.44	2.58	5.88	4.10	3.34	4.40	3.82	
15	3.76	5.72	3.93	6.13	4.20	6.43	2.86	4.89	4.95	2.44	5.30	2.61	15
	2.29	5.16	2.40	5.39	3.10		2.39		4.42	3.70	4.89	3.57	
16	3.73	5.73	3.92	5.94	6.45	3.69	5.59	2.43	5.14	2.44	5.13	2.60	16
	2.24	5.14	2.36		5.75	2.80	4.45	2.55	4.26	3.71	5.02	3.26	
17	3.85	5.76	5.51	3.75	6.32	3.26	5.78	2.35	4.97	2.33	5.00	2.67	17
	2.25		5.65	2.16	5.39	3.12	4.64	3.24	3.97	3.64	5.06	3.27	
18	5.16	3.80	5.41	3.47	6.53	2.98	6.11	2.31	4.87	2.26	4.96	2.77	18
	5.37	1.99	5.57	2.59	5.22	3.22	4.76	3.47	4.39	3.36	5.10		
19	4.98	3.44	5.89	4.01	6.63	2.82	6.28	2.31	4.87	2.27	3.15	5.00	19
	4.84	1.78	5.41	3.43	5.20	3.25	4.89	3.56	4.47	3.22	2.77	5.18	
20	4.53	3.01	6.39	4.06	6.55	2.50	6.27	2.30	4.72	2.27	2.90	4.62	20
	4.72	1.95	5.37	2.43	5.26	3.62	5.02	3.62	4.52		2.61	4.68	
21	4.73	2.94	5.62	2.66	6.67	2.46	6.30	2.31	3.16	4.78	2.66	4.39	21
	5.22	2.39	4.92	2.82	5.21	3.61	5.04	3.31	2.48	4.79	2.78	4.41	
22	5.05	2.82	6.01	2.56	6.56	2.39	6.21	2.27	3.35	4.80	2.56	4.32	22
	4.95	2.43	5.07		5.25	3.66	5.03		2.52	4.68	2.74	4.77	
23	4.87	2.32	3.84	6.14	6.51	2.24	3.42	6.08	3.06	4.47	2.33	4.68	23
	4.84	2.45	2.62	5.20	5.24		2.35	5.08	2.48	4.55	2.56	4.55	
24	5.01	2.17	6.37	2.52	3.71	6.31	3.45	6.04	2.91	4.24	2.03	3.98	24
	5.12		5.27		2.32	5.13	2.35	5.10	2.49	4.11	2.68	4.56	
25	3.13	5.50	3.63	6.43	3.38	5.88	3.22	5.82	2.85	4.29	2.06	4.16	25
	2.47	5.26	2.59	5.33	1.89	4.91	2.26	5.26	2.75	4.81	3.12	4.96	
26	3.05	5.30	3.68	6.51	3.31	5.68	3.26	5.72	3.10	4.54	2.34	4.29	26
	2.10	4.74	2.59	5.49	1.88	5.04	2.46	5.35	3.23	5.09	3.53	5.25	
27	2.98	5.51	4.00	6.54	3.40	5.68	3.31	5.63	2.97	4.38	2.49	4.36	27
	2.66	4.42	2.68	5.50	1.94	5.10	2.83	5.81	2.99	4.82	4.03	5.44	
28	3.10	5.13	4.00	6.26	3.30	5.30	3.57	5.45	2.58	3.98	2.47	4.46	28
	1.97	4.69	2.70	5.45	1.88	5.12	2.84	5.74	3.05	4.69	3.76	5.07	
29	3.34	5.24	3.98	6.02	3.07	5.06	3.24	4.86	2.27	3.78	NR	NR	29
	1.90	4.93	2.59		2.03		2.67	5.57	3.37				
30	3.56	5.28	5.53	4.13	5.23	3.03	2.84	4.11	NR	NR	NR	NR	30
	1.93		6.07	2.58	4.45	2.06	2.67						
31			5.83	4.36			5.59	2.45	4.89	2.08			31
			5.85	2.77			3.95	3.03	3.66	3.48			
MAXIMUM	6.10		6.54		7.42		6.41		NR	NR	NR		MAXIMUM
MINIMUM	1.78		1.71		1.88		2.00		NR	NR	NR		MINIMUM

NR = NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 9.7 - 12-26-55

ZERO OF GAGE: 1948 TO 1952 -2.25 USCGS
1952 -2.12 USCGS
1964 -2.56 USCGS
1964 TO DATE -3.00 USCGS

TABLE B-12 (CONTINUED)

DAILY TIDES

895278 ITALIAN SLOUGH NEAR MOUTH
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	-0.40 -0.17	2.32 2.39	-0.38 0.78	2.36 3.37	-0.29 1.05	2.48 3.13	NR	NR	NR	NR	NR	NR	01
02	-0.13 0.32	2.49 3.22	-0.22 1.01	2.51 3.24	-0.25 1.19	2.69 3.27	NR	NR	NR	NR	NR	NR	02
03	-0.09 0.37	2.54 2.61	-0.34 0.89	2.41 3.04	-0.21 1.11	2.78 3.12	-0.70 -0.42	1.81 1.35	NR	NR	NR	NR	03
04	-0.35 0.43	2.34 2.87	-0.48 0.87	2.36 3.35	0.35 1.43	3.34 3.20	-0.70 -0.49	1.87	NR	NR	NR	NR	04
05	-0.39 0.60	2.24 2.95	-0.45 0.85	2.17 2.86	-0.03 0.65	2.67 2.55	1.13 1.90	-0.70 -0.69	NR	NR	NR	NR	05
06	-0.52 0.68	2.11 2.87	-0.55 0.65	2.47 2.70	-0.50 0.15	2.47 1.99	0.84 2.55	-0.30 -0.38	NR	NR	2.09 2.79	1.02 -0.61	06
07	-0.69 0.98	2.15 3.17	-0.63 0.62	2.34 2.74	-0.48 -0.13	2.53	1.84 2.75	0.33 -0.58	NR	NR	1.73 3.07	0.92 0.20	07
08	-0.42 1.01	2.36 3.19	-0.50 0.02	2.33	1.93 2.13	-0.23 -0.48	1.75 3.30	0.97 -0.08	NR	NR	2.50 2.96	0.98 -0.19	08
09	-0.63 0.79	2.37	2.21 2.26	-0.52 -0.27	1.77 2.64	0.04 -0.47	2.02 2.87	0.56	NR	NR	2.39 2.64	0.59 -0.22	09
10	3.04 2.19	-0.65 0.37	2.02 2.32	-0.38 -0.48	1.77 2.94	0.30 -0.38	NR	NR	NR	NR	2.31 3.15	0.56	10
11	2.82 2.41	-0.60 0.00	1.96 2.89	-0.26	2.09 3.02	0.54	NR	NR	NR	NR	-0.04 0.51	2.57 3.12	11
12	2.26 2.35	-0.73 -0.35	-0.51 0.00	1.78 3.03	-0.42 0.66	2.13 3.51	NR	NR	NR	NR	0.05 0.25	2.82 2.44	12
13	2.37 2.57	-0.50 -0.47	-0.53 0.33	1.76 3.41	-0.34 0.65	2.20 2.68	NR	NR	NR	NR	-0.03 0.34	2.48 3.03	13
14	2.30 2.74	-0.37	-0.34 0.59	1.93 3.63	-0.07 0.44	1.56 2.82	NR	NR	NR	NR	0.22 -0.01	2.49 2.58	14
15	-0.55 -0.29	1.98 2.75	-0.15 0.81	2.54 3.26	-0.67 0.46	1.66 2.32	NR	NR	NR	NR	0.16 -0.07	2.59 2.65	15
16	-0.69 -0.11	1.87 2.95	-0.31 0.88	2.34 3.10	-0.69 0.43	1.47 2.77	NR	NR	NR	NR	0.87 0.19	3.25 2.45	16
17	-0.68 0.10	1.80 2.68	-0.40 0.81	2.04 2.62	-0.69 0.71	1.62 2.34	NR	NR	NR	NR	0.48 -0.30	3.10 2.24	17
18	-0.69 0.34	2.04 3.18	-0.65 1.02	2.03 2.75	-0.69 0.54	1.79 1.96	NR	NR	NR	NR	0.68 -0.22	3.24 2.14	18
19	-0.57 0.79	2.22 3.02	-0.63 0.75	2.19 2.19	-0.69 0.30	1.67 1.56	NR	NR	NR	NR	0.90 -0.07	3.38 2.13	19
20	-0.39 0.99	2.45 3.22	-0.69 0.83	1.96 2.51	-0.70 -0.03	1.70 1.02	NR	NR	NR	NR	1.14 -0.51	2.83	20
21	-0.60 0.85	1.77 2.47	-0.33 1.55	2.86 2.42	-0.70 -0.05	1.57 1.14	NR	NR	NR	NR	2.20 2.62	1.08 0.25	21
22	-0.69 1.01	2.15 2.78	-0.24 0.17	2.38	-0.68 -0.53	1.89	NR	NR	NR	NR	2.87 3.30	1.44 -0.01	22
23	-0.54 0.64	1.97	1.57 1.90	-0.58 -0.34	0.62 1.99	-0.43 -0.70	NR	NR	NR	NR	2.46 2.76	0.89 -0.21	23
24	2.26 1.98	-0.69 0.27	1.18 1.88	-0.51 -0.36	0.70 2.12	-0.27 -0.70	NR	NR	NR	NR	2.31 3.19	0.62 0.13	24
25	2.21 2.14	-0.45 0.21	1.49 2.60	0.06 -0.43	1.20 2.47	0.09 -0.70	NR	NR	NR	NR	3.65 3.96	1.67	25
26	2.36 2.31	-0.10 0.15	1.81 2.72	0.20 -0.42	1.41 2.94	0.54 -0.60	NR	NR	NR	NR	0.85 0.95	3.47 3.21	26
27	2.41 2.53	0.03 0.04	1.98 2.91	0.47	1.94 3.52	0.90	NR	NR	NR	NR	0.45 0.69	3.57 3.04	27
28	2.76 3.69	0.79	-0.44 0.69	2.02 2.97	0.03 1.16	2.69 3.18	NR	NR	NR	NR	0.48 0.09	3.48 2.36	28
29	0.61 0.45	2.62 3.26	-0.40 0.66	1.82 3.20	NR	NR	NR	NR			0.35 -0.03	3.26 2.47	29
30	-0.15 0.47	2.39 2.76	-0.38 0.90	2.29 3.34	NR	NR	NR	NR			0.49 -0.14	3.07 2.29	30
31	-0.32 -0.54	2.30 2.95			NR	NR	NR	NR			0.85 0.45	3.64 2.76	31
MAXIMUM	3.69		3.63		NR		NR		NR		NR		MAXIMUM
MINIMUM	-0.73		-0.69		NR		NR		NR		NR		MINIMUM

NR = NO RECORD

LOCATION: LAT. 37 51 38, LONG. 121 34 48, NW SEC. 7, T1S, R4E,
ON CLIFTON COURT ISLAND, 6.1 MILES SOUTHEAST OF BYRON.

PERIOD OF RECORD: MAY 1968 TO DATE

TABLE B-12 (CONTINUED)

DAILY TIDES

895278 ITALIAN SLOUGH NEAR MOUTH
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	0.96	2.98	NR	NR	3.07	1.18	2.57	-0.25	-0.66	1.13	2.47	-0.70	01
	-0.58	2.10			2.59	-0.01	1.26	-0.63	0.57		1.50	0.43	
02	0.57	2.39	NR	NR	3.14	0.72	2.62	-0.55	2.88	-0.67	2.47	-0.70	02
	-0.71				2.17	-0.22	1.04	-0.26	1.25	0.73	1.61	0.27	
03	1.88	0.69	1.72	0.18	3.00	0.15	2.71	-0.72	2.90	-0.70	NR	NR	03
	2.29	-0.68	1.38	-0.71	1.84	0.06	1.17	0.31	1.35	0.77			
04	2.29	0.86	2.00	0.06	3.22	0.01	3.03	-0.72	3.22	-0.55	2.46	-0.64	04
	2.16	-0.59	1.14	-0.71	2.07	0.68	1.54	0.67	1.95	0.87	1.94	-0.03	
05	2.17	0.75	1.48	-0.48	3.96	0.41	3.18	-0.73	3.02	-0.56	2.46	-0.38	05
	2.03	-0.58	1.12	-0.71	2.72	1.12	1.69	0.64	2.04	0.67	2.24		
06	2.00	0.31	1.55	-0.71	3.95	0.32	3.42	-0.71	2.94	-0.67	-0.02	2.45	06
	1.83	-0.61	1.22	-0.64	2.79	1.16	1.98	0.93	2.17	0.33	-0.12	2.40	
07	1.75	0.03	1.80	-0.71	3.92	-0.08	3.61	-0.61	2.58	-0.71	0.08	2.39	07
	2.03	-0.47	1.46	-0.34	2.68	1.17	2.12	0.78	1.68		0.01	2.54	
08	2.09	-0.19	2.02	-0.73	4.09	-0.06	3.57	-0.70	-0.23	2.43	0.09	2.32	08
	2.11	-0.32	1.77	0.05	2.77	1.07	2.10	0.69	-0.90	1.75	0.17	2.95	
09	2.13	-0.30	2.34	-0.69	4.04	-0.22	3.63	-0.63	-0.22	2.35	-0.04	2.11	09
	2.19	-0.04	2.03	0.20	2.76		2.23		-0.71	1.87	0.17	2.96	
10	2.29	-0.37	2.40	-0.73	1.21	4.15	0.53	3.47	-0.16	2.14	0.05	2.15	10
	2.19		1.66	0.18	-0.08	3.09	-0.66	2.26	-0.57	2.24	0.53	3.09	
11	0.09	2.42	2.29	-0.74	1.53	4.47	0.43	3.24	0.02	2.09	-0.07	2.07	11
	-0.36	2.50	1.15	0.10	0.32	3.31	-0.70	2.31	-0.14	2.66	0.87	3.14	
12	0.44	2.57	2.15	-0.72	1.41	4.26	0.08	2.93	0.10	1.96	-0.06	2.14	12
	-0.43	2.11	1.83		-0.11	2.99	-0.71	2.50	0.00	2.76	1.03		
13	0.43	2.79	0.46	2.55	1.02	3.72	0.13	2.73	-0.12	1.67	3.17	-0.13	13
	-0.46	2.10	-0.73	2.49	-0.33	3.18	-0.60	2.94	0.09	2.69	2.12	1.08	
14	0.71	3.21	1.29	3.15	1.36	3.81	0.34	2.71	-0.33	1.56	2.96	-0.27	14
	-0.26	2.55	-0.33	2.56	0.08	3.56	-0.34	3.13	0.42		1.92	0.82	
15	0.86	2.88	0.99	3.41	1.27	3.47	-0.02	2.07	2.67	-0.48	2.76	-0.38	15
	-0.67	2.21	-0.65	2.50	0.14	3.54	-0.51		1.82	0.76	2.16	0.55	
16	0.83	2.87	0.95	3.09	0.74	2.79	2.80	-0.49	2.84	-0.50	2.61	-0.41	16
	-0.69	2.20	-0.68	2.63	-0.21		1.62	-0.33	1.63	0.74	2.23	0.28	
17	0.91	2.79	0.82	2.75	3.38	0.29	2.96	-0.60	2.67	-0.65	2.47	-0.31	17
	-0.71		-0.73		2.43	0.18	1.81	0.30	1.64	0.70	2.32	0.24	
18	2.23	0.86	2.52	0.52	3.02	0.00	3.37	-0.58	2.58	-0.08	2.44	-0.08	18
	2.40	-0.71	2.65	-0.43	2.24	0.24	1.94	0.58	1.76	0.35	2.42	0.28	
19	2.06	0.52	3.00	0.45	3.71	-0.18	3.48	-0.62	2.49	-0.68	2.36	-0.08	19
	1.98	-0.71	2.55	-0.05	2.21	0.28	2.07	0.64	1.78	0.23	2.38		
20	1.74	0.69	3.55	0.98	3.67	-0.48	3.47	-0.63	2.30	-0.69	0.03	2.06	20
	1.88	-0.70	2.40	-0.62	2.31	0.70	2.19	0.70	1.83	0.20	-0.24	2.09	
21	1.95	0.00	2.79	-0.37	3.77	-0.47	3.50	-0.62	2.35	-0.51	-0.19	1.96	21
	2.23	-0.59	2.01	-0.20	2.28	0.71	2.21	0.58	2.09		-0.07	2.03	
22	2.31	-0.10	3.16	-0.49	3.71	-0.57	3.43	-0.60	0.36	2.37	-0.30	1.68	22
	2.32	-0.50	2.18	0.12	2.33	0.72	2.23	0.5	-0.44	2.05	-0.11	2.17	
23	2.23	-0.61	3.40	-0.41	3.63	-0.70	3.32	-0.59	0.10	2.11	-0.53	1.50	23
	2.06	-0.45	2.31	0.34	2.38		2.29		-0.46	1.94	-0.29	2.00	
24	2.33	-0.69	3.53	-0.52	0.84	3.44	0.53	3.26	-0.05	1.89	-0.68	1.29	24
	2.23	0.22	2.37	0.63	-0.63	2.26	-0.58	2.31	-0.48	1.78	-0.16	2.04	
25	2.88	-0.47	3.70	-0.50	0.49	2.99	0.35	3.03	-0.15	1.75	-0.69	1.38	25
	2.43		2.43		-0.72	2.04	-0.65	2.39	-0.25	2.27	0.26	2.37	
26	0.15	2.74	0.68	3.69	0.41	2.81	0.37	2.92	0.10	1.91	-0.54	1.62	26
	-0.72	1.88	-0.50	2.61	-0.73	2.17	-0.47	2.61	0.16	2.58	0.68	2.63	
27	0.07	2.84	0.96	3.79	0.50	2.80	0.44	2.85	-0.02	1.62	-0.38	1.70	27
	-0.71	1.73	-0.43	2.62	-0.72	2.25	-0.08	3.01	-0.08	2.35	1.15	2.77	
28	0.19	2.42	0.98	3.43	0.40	2.42	0.62	2.63	-0.43	1.20	-0.41	1.75	28
	-0.72	2.00	-0.42	2.57	-0.73	2.31	-0.09	2.95	-0.03	2.22	0.92	2.50	
29	NR	NR	0.94	3.19	0.17	2.17	0.29	2.03	-0.68	1.04	-0.57	1.91	29
			-0.72	2.64	-0.73	2.39	-0.30	2.81	0.39	2.24	0.68		
30	NR	NR	1.11	3.19	0.09	1.56	-0.05	1.43	-0.69	0.94	2.58	-0.43	30
			-0.53	2.94	-0.72		-0.24	2.81	0.65		2.03	0.58	
31			1.34	2.96			-0.45	1.22	2.46	-0.70			31
			-0.31				0.12	2.93	1.18	0.64			
MAXIMUM	NR		NR		4.47		3.63		3.22		NR		MAXIMUM
MINIMUM	NR		NR		-0.73		-0.73		-0.90		NR		MINIMUM

NR = NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 6.34 - 2-15-69

ZERO OF GAGE: 1968 TO DATE 0.00 USCGS

TABLE B-12 (CONTINUED)

DAILY TIDES

895300 GRANT LINE CANAL AT TRACY ROAD BRIDGE
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.76	5.36	3.01	5.60	3.15	5.66	NR	NR	NR	NR	3.12	4.94	01
	2.98	5.45	4.06	6.47	4.21	5.92					3.05	4.80	
02	3.02	5.54	3.27	5.77	3.19	5.88	NR	NR	NR	NR	3.18	4.85	02
	3.46	6.28	4.25	6.29	4.34	6.16					2.77		
03	3.10	5.58	3.16	5.65	3.18	5.78	2.48	4.73	NR	NR	3.88	2.95	03
	3.46	5.40	4.14	6.06	4.10	6.28	2.83	4.32			4.92	2.53	
04	2.82	5.37	3.05	5.61	3.72	6.58	2.37	4.70	NR	NR	4.82	3.47	04
	3.49	5.70	4.14	6.58	4.66	6.26	2.86				5.42	2.76	
05	2.80	5.29	3.10	5.16	3.43	5.65	4.07	2.60	5.08	3.72	5.19	3.87	05
	3.65	5.76	4.10	5.92	3.92	5.76	4.66	2.64	5.72	2.86	5.63	2.85	
06	2.67	5.16	2.99	5.71	2.98	5.68	3.70	2.90	4.98	3.74	4.88	4.11	06
	3.70	5.70	3.92	5.91	3.51		5.43	2.97	5.79		5.48	2.72	
07	2.50	5.19	2.84	5.40	5.22	2.97	4.64	3.41	2.94	5.30	4.38	3.91	07
	3.97	6.12	3.86		5.45	3.28	5.61	2.75	4.02	6.01	5.94	3.46	
08	2.75	5.41	5.97	2.93	5.16	3.18	4.62	4.08	3.20	5.56	5.26	4.13	08
	4.04		5.39	3.34	4.98	2.99	6.26		4.15	5.87	5.80		
09	6.25	2.58	5.41	2.86	5.00	3.38	3.31	4.93	3.38	5.56	3.25	5.27	09
	5.42	3.83	5.28	3.08	5.61		3.79	5.79	4.36	6.27	3.88	5.44	
10	6.06	2.53	5.21	2.97	3.02	4.66	2.56	4.35	3.93	6.46	3.19	5.09	10
	5.11	3.46	5.49		3.58	5.98	3.49	5.64	4.36	6.10	3.80	6.28	
11	5.82	2.57	2.93	5.16	3.13	5.31	2.49	4.36	3.53	5.85	3.40	5.41	11
	5.44	3.10	3.05	6.09	3.82	6.05	3.42	5.47	3.96	5.79	3.81	6.26	
12	5.08	2.43	2.93	4.89	3.10	5.35	2.46	4.27	3.40	5.87	3.47	5.95	12
	5.34	2.78	3.27	6.02	3.93	6.70	3.17	4.74	3.93	5.96	3.62	5.33	
13	5.36	2.65	2.90	5.02	3.20	5.44	2.13	4.08	3.62	6.32	3.41	5.46	13
	5.58		3.57	6.60	3.78	5.46	3.02	5.13	4.26	6.16	3.75	6.14	
14	2.71	5.06	3.10	5.00	2.86	4.50	2.19	4.61	4.84	6.41	3.64	5.54	14
	2.75	5.74	3.79	6.83	3.68	5.89	3.08	4.92	4.38	5.85	3.41	5.71	
15	2.64	4.86	3.30	5.50	2.88	4.61	2.19	4.41	3.79	5.30	3.57	5.60	15
	2.83	5.75	4.01	6.29	3.68	5.20	3.13	4.94	3.87	5.32	3.45	5.85	
16	2.48	4.73	3.12	5.42	2.70	3.71	2.33	4.66	3.72	5.90	4.20	6.39	16
	2.99	5.95	4.04	6.14	3.20	5.37	3.13	4.68	4.04	4.95	3.71	5.65	
17	2.50	4.59	3.04	5.00	2.60	4.34	2.25	4.49	3.70	5.31	3.85	6.29	17
	3.15	5.70	3.96	5.53	3.64	5.86	2.87	4.43	3.50	4.74	3.26	5.41	
18	2.47	4.96	2.79	5.32	2.79	4.74	2.14	3.96	3.52	5.50	3.99	6.43	18
	3.40	6.25	4.17	5.83	3.83	6.42	2.66	3.74	3.16		3.34	5.35	
19	2.62	5.14	2.81	5.21	NR	NR	2.24	3.96	4.54	3.72	4.17	6.56	19
	3.81	6.05	3.89	5.29			2.38		5.70	3.12	3.43		
20	2.79	5.53	2.60	5.00	NR	NR	3.02	2.34	4.81	4.00	5.15	4.34	20
	4.01	6.29	3.96	5.69			4.63	2.37	5.90	3.00	5.84	3.07	
21	2.59	4.69	2.98	5.90	NR	NR	3.84	2.89	4.94	4.05	5.38	4.24	21
	3.84	5.47	4.67	5.59			5.11	2.2[illegible]	5.90	2.84	5.76	3.64	
22	2.35	5.10	3.07	5.43	NR	NR	4.09	3.20	2.82	4.70	5.88	4.65	22
	4.01		3.40				5.34	2.27	3.61	5.14	6.22	3.52	
23	5.86	2.62	4.75	2.71	NR	NR	4.27	3.45	2.60	4.29	5.32	4.22	23
	4.88	3.68	4.81	2.93			5.56		3.38	4.89	5.55	3.40	
24	5.39	2.49	4.21	2.74	NR	NR	2.41	4.80	2.66	4.39	5.47	4.03	24
	4.93	3.38	4.76	2.95			3.54	5.68	3.30	5.44	6.15		
25	5.34	2.76	4.42	3.26	NR	NR	2.51	4.83	2.92	5.52	3.67	6.92	25
	5.30	3.37	5.68				3.56	5.51	3.46	5.65	4.98	7.08	
26	5.53	3.15	2.94	4.99	NR	NR	2.67	4.77	3.16	5.08	4.40	6.71	26
	5.25	3.36	3.42	5.75			3.66	5.56	3.34	5.51	4.51	6.24	
27	5.58	3.26	2.96	5.18	NR	NR	2.67	4.43	3.03	4.70	3.94	6.78	27
	5.47		3.67	5.87			3.60	5.78	3.04	4.94	4.25	6.03	
28	3.26	5.93	3.01	5.13	NR	NR	2.64	4.90	2.92	4.78	3.98	6.68	28
	4.00	6.60	3.89	5.88			2.99	5.3[illegible]	2.98	4.85	3.65	5.56	
29	3.84	5.80	3.03	4.78	NR	NR	2.56	4.63			3.80	6.09	29
	3.69	6.19	3.84	6.23			3.37				3.52	5.45	
30	3.15	5.56	3.07	5.23	NR	NR	5.09	3.33			3.87	5.83	30
	3.72	5.74	4.05	6.36			5.60	3.02			3.41	5.16	
31	3.06	5.51			NR	NR	NR	NR			4.19	6.55	31
	3.74	5.95									3.98	5.96	
MAXIMUM	6.60		6.83		NR		NR		NR		7.08		MAXIMUM
MINIMUM	2.35		2.60		NR		NR		NR		2.53		MINIMUM

NR - NO RECORD

LOCATION: LAT. 37 49 13, LONG. 121 26 55, NE SEC. 29, T1S, R5E, AT TRACY ROAD BRIDGE CROSSING, 5 MILES NORTH OF TRACY. STATION WAS DISCONTINUED OCTOBER 4, 1966, AND REACTIVATED MARCH 1, 1968.

PERIOD OF RECORD: OCT 1940 TO SEPT 1966
MAR 1968 TO DATE

TABLE 8-12 (CONTINUED)

DAILY TIDES

895300 GRANT LINE CANAL AT TRACY ROAD BRIDGE
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	4.32	6.00	5.12	3.73	6.11	4.30	5.46	2.90	5.72	2.37	5.01	2.34	01
	3.05		5.27	2.34	5.73	3.33	4.27	2.53	3.93	3.42	4.20	3.40	
02	5.22	3.84	5.11	3.37	6.27	4.03	5.50	2.61	5.66	2.23	4.99	2.33	02
	5.38	2.75	4.76	2.07	5.33	3.27	4.06	2.82	3.98	3.53	4.35	3.27	
03	4.83	3.86	4.36	3.17	6.10	3.52	5.59	2.41	5.56	2.22	5.01	2.42	03
	5.36	2.72	4.25	2.33	5.03	3.41	4.21	3.32	4.00	3.56	4.49	3.11	
04	5.36	3.97	4.63	3.13	6.33	3.46	5.93	2.35	5.86	2.53	4.95	2.51	04
	5.27	2.76	3.91	2.13	5.26	4.00	4.52	3.61	4.70	3.85	4.64		
05	4.82	3.85	4.08	2.74	7.08	3.87	6.06	2.33	5.45	2.54	3.05	4.96	05
	5.15	2.74	4.20	2.38	5.94	4.43	4.65	3.60	4.94	3.65	2.73	4.96	
06	4.65	3.47	4.13	2.53	7.13	3.79	6.32	2.44	5.39	2.54	3.10	4.87	06
	4.53	2.71	4.15	2.64	6.01	4.44	5.00	3.95	5.02		2.98	5.08	
07	4.33	3.25	4.38	2.48	7.07	3.45	6.56	2.59	3.32	5.02	3.20	4.91	07
	5.14	2.86	4.48	2.91	5.87	4.46	5.13		2.20	4.50	3.14	5.06	
08	4.68	3.09	4.61	2.53	7.22	3.53	3.77	6.49	2.80	5.05	3.22	4.94	08
	5.06		4.67	3.26	5.94		2.47	5.07	2.17	4.39	3.29	5.63	
09	3.00	4.82	4.96	2.64	4.35	7.22	3.70	6.53	2.80	4.91	3.10	4.83	09
	3.05	5.15	5.05		3.42	5.95	2.60	5.20	2.35	4.45	3.25	5.65	
10	3.33	5.04	3.39	4.98	4.53	7.33	3.56	6.37	2.86	4.58	3.18	4.92	10
	3.11	5.26	2.59	4.48	3.55	6.29	2.54	5.19	2.50	4.79	3.56	5.76	
11	3.47	5.37	3.34	4.84	4.73	7.65	3.48	6.08	2.99	4.61	3.07	4.84	11
	3.12	5.65	2.40	3.75	3.91	6.49	2.45	5.22	2.89	5.22	3.85		
12	3.72	5.30	3.13	4.92	4.71	7.42	3.24	5.82	3.12	4.60	5.83	3.10	12
	3.02	5.20	2.26	4.68	3.51	6.16	2.44	5.39	3.02		5.07	4.03	
13	3.71	5.64	3.51	5.36	4.30	6.87	3.22	5.62	5.28	2.95	5.89	3.05	13
	3.03	5.25	2.55	5.39	3.21	6.32	2.57	5.75	4.59	3.08	5.04	4.10	
14	4.00	6.26	4.25	6.03	4.50	6.93	3.39	5.64	5.14	2.73	5.63	2.95	14
	3.17	5.68	3.04	5.63	3.55		2.89		4.08	3.33	4.59	3.88	
15	4.01	5.84	4.11	6.41	6.66	4.53	5.92	3.09	5.11	2.57	5.53	2.80	15
	2.77	5.31	2.85		6.64	3.67	5.01	2.60	4.58	3.68	5.06	3.63	
16	3.94	5.84	5.61	4.10	6.68	4.15	5.73	2.63	5.30	2.59	5.29	2.76	16
	2.70		6.16	2.77	6.00	3.48	4.57	2.72	4.50	3.70	5.18	3.37	
17	5.29	4.00	5.71	3.93	6.57	3.82	5.88	2.57	5.14	2.50	5.13	2.83	17
	5.93	2.72	5.83	2.58	5.69	3.79	4.79	3.40	4.15	3.56	5.23		
18	5.31	3.93	5.61	3.67	6.75	3.56	6.24	2.62	5.06	2.46	3.34	5.08	18
	5.55	2.42	5.79	3.00	5.46	3.83	4.91	3.60	4.59	3.39	3.05	5.26	
19	5.13	3.62	6.13	3.72	6.89	3.50	6.37	2.55	5.00	2.46	3.41	5.05	19
	4.96	2.19	5.70	3.39	5.47	3.79	5.05	3.70	4.73		3.06	5.38	
20	4.62	3.23	6.70	4.31	6.82	3.15	6.38	2.59	3.31	4.89	3.18	4.79	20
	4.75	2.34	5.61	2.85	5.50	4.05	5.16	3.69	2.48	4.76	2.89	4.89	
21	4.85	3.18	5.89	3.03	6.84	3.00	6.40	2.56	3.30	4.96	2.95	4.57	21
	5.37	2.80	5.15	3.12	5.43	3.91	5.16		2.65	5.08	3.03	4.60	
22	5.24	3.19	6.27	2.95	6.77	2.84	3.43	6.30	3.43	4.95	2.86	4.36	22
	5.13	2.79	5.32	3.40	5.45		2.50	5.13	2.71	4.88	2.99	4.97	
23	4.84	2.66	6.50	3.00	3.94	6.73	3.52	6.14	3.19	4.63	2.65	4.25	23
	4.95	2.80	5.43	3.59	2.84	5.46	2.56	5.18	2.68	4.82	2.80	4.74	
24	5.15	2.58	6.64	2.95	3.91	6.46	3.54	6.09	3.07	4.41	2.37	4.13	24
	5.30		5.49		2.73	5.30	2.55	5.20	2.65	4.30	2.90	4.76	
25	3.39	5.63	3.82	6.70	3.63	6.02	3.35	5.89	2.94	4.40	2.38	4.24	25
	2.84	5.42	2.98	5.55	2.31	5.08	2.47	5.29	2.82	4.98	3.27	5.15	
26	3.33	5.47	3.07	6.80	3.49	5.80	3.37	5.80	3.15	4.77	2.61	4.45	26
	2.54	4.86	2.98	5.73	2.27	5.18	2.62	5.43	3.23	5.29	3.59	5.43	
27	3.22	5.64	4.16	6.84	3.55	5.82	3.44	5.73	3.06	4.60	2.68	4.54	27
	2.48	4.51	3.05	5.74	2.31	5.24	3.01	5.91	2.94	5.00	4.14	5.61	
28	3.32	5.32	4.16	6.53	3.49	5.45	3.66	5.55	2.66	4.18	2.73	4.64	28
	2.39	4.85	3.06	5.69	2.22		3.00	5.85	2.95	4.85	3.87		
29	3.50	5.35	4.10	6.29	5.27	3.32	3.36	4.97	2.34	3.90	5.23	2.58	29
	2.31	5.07	2.67		5.19	2.37	2.85		3.32		4.82	3.69	
30	3.70	5.44	5.77	4.25	5.38	3.22	5.66	2.96	4.86	3.23	5.35	2.71	30
	2.31		6.31	2.94	4.66	2.45	4.17	2.75	3.70	3.64	4.89	3.55	
31			6.05	4.42			5.68	2.59	5.04	2.25			31
			6.09	3.11			4.10	3.04	3.77	3.53			
MAXIMUM	6.26		6.84		7.65		6.56		5.86		5.89		MAXIMUM
MINIMUM	2.19		2.07		2.22		2.33		2.17		2.33		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 14.7 - 12-11-50

ZERO OF GAGE: 1940 TO 1952 -3.66 USCGS
1952 TO 1953 -4.13 USCGS
1953 TO 1960 -2.13 USCGS
1960 -3.00 USCGS
1964 -3.58 USCGS
1964 TO DATE -3.00 USCGS

TABLE B-12 (CONTINUED)

DAILY TIDES

B95270 OLD RIVER NEAR BYRON
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.26	-0.15	-0.45	2.22	-0.37	2.34	1.00	2.02	-0.06	2.60	-0.15	2.58	01
	2.49		0.71	3.31	1.00	3.26	0.11	2.39	-0.01	2.18	-0.27	2.15	
02	-0.11	2.41	-0.29	2.37	-0.31	2.56	-0.78	1.97	0.29	3.11	-0.05	2.51	02
	0.34	3.15	0.95	3.22	1.13	3.27	-0.08	2.02	0.07	1.97	-0.58	1.41	
03	-0.08	2.48	-0.42	2.27	-0.27	2.66	-0.99	1.86	0.10	2.92	-0.17	2.28	03
	0.37	2.72	0.82	3.03	1.08	3.09	-0.47	1.38	-0.26		-0.65		
04	-0.34	2.28	-0.56	2.21	0.28	3.21	-1.01	2.00	2.15	1.04	1.71	0.33	04
	0.43	2.93	0.80	3.20	1.38	3.18	-0.54	1.10	3.36	-0.23	2.73	-0.58	
05	-0.39	2.18	-0.54	2.10	-0.11	2.61	-0.81	2.03	1.93	0.56	2.08	0.77	05
	0.60	3.00	0.79	2.86	0.59	2.40	-0.79		2.90	-0.62	2.92	-0.51	
06	-0.51	2.04	-0.62	2.33	-0.57	2.38	0.87	-0.37	1.79	0.50	2.09	0.99	06
	0.68	2.92	0.60	2.56	0.09	1.84	2.64	-0.49	2.77	-0.65	2.86	-0.62	
07	-0.68	2.09	-0.71	2.31	-0.55	2.54	1.76	0.29	2.07	0.73	1.81	0.93	07
	0.98	3.17	0.58	2.61	-0.20		2.84	-0.60	3.07	-0.42	3.18	0.20	
08	-0.42	2.30	-0.56	2.28	1.79	-0.29	1.79	0.94	2.32	0.79	2.55	0.98	08
	1.02	3.13	-0.03		2.24	-0.55	3.37	-0.12	3.04		2.95	-0.18	
09	-0.61	2.32	2.08	-0.58	1.63	-0.03	1.99	0.53	-0.20	2.68	2.43	0.58	09
	0.80		2.27	-0.32	2.67	-0.54	2.89		1.02	3.30	2.73	-0.22	
10	2.97	-0.64	1.88	-0.45	1.77	0.24	-0.90	1.59	0.49	3.22	2.38	0.55	10
	2.22	0.39	2.29	-0.54	2.95	-0.46	0.34	2.73	1.07	3.23	3.06		
11	2.76	-0.60	1.84	-0.31	1.95	0.49	-0.98	1.48	-0.01	2.61	-0.04	2.63	11
	2.36	0.00	2.76	-0.58	3.02		0.24	2.58	0.57	2.88	0.47	3.02	
12	2.29	-0.77	1.67	-0.07	-0.50	1.99	-1.03	1.35	-0.19	2.61	0.03	2.73	12
	2.31	-0.35	2.98		0.61	3.38	-0.06	2.04	0.50	2.90	0.24	2.54	
13	2.32	-0.50	-0.59	1.77	-0.42	2.06	-1.35	1.04	0.11	3.12	-0.04	2.52	13
	2.53	-0.45	0.28	3.27	0.60	2.77	-0.18	2.12	0.89	2.99	0.32	2.92	
14	2.27	-0.35	-0.41	1.93	-0.77	1.56	-1.23	1.46	0.29	3.13	0.20	2.53	14
	2.69		0.53	3.50	0.38	2.78	-0.06	2.06	0.86	2.57	-0.04	2.47	
15	-0.54	2.07	-0.21	2.41	-0.77	1.62	-1.18	1.49	0.13	2.49	0.15	2.61	15
	-0.29	2.70	0.77	3.23	0.40	2.39	-0.07	2.03	0.29	2.12	-0.10	2.53	
16	-0.71	1.96	-0.37	2.28	-0.95	1.47	-1.10	1.65	0.09	2.69	0.84	3.26	16
	-0.10	2.90	0.83	3.10	0.37	2.63	-0.11	1.79	0.41	1.54	0.15	2.33	
17	-0.69	1.91	-0.47	2.01	-0.84	1.65	-1.18	1.47	0.10	2.39	0.44	2.97	17
	0.10	2.76	0.75	2.64	0.63	2.34	-0.41	1.29	-0.08	1.39	-0.34	2.11	
18	-0.73	2.04	-0.71	1.99	-0.84	1.80	-1.26	1.38	0.04	2.38	0.64	3.13	18
	0.35	3.10	0.97	2.70	0.48	1.92	-0.62	0.87	-0.46		-0.26	2.02	
19	-0.57	2.15	-0.68	2.14	-1.04	1.71	-1.09	1.42	1.26	0.36	0.86	3.27	19
	0.78	3.01	0.69	2.15	0.24	1.53	-0.96	0.32	2.64	-0.44	-0.11	2.12	
20	-0.38	2.38	-0.69	1.95	-1.09	1.71	-0.90	1.69	1.61	1.00	1.11	2.81	20
	0.99	3.13	0.79	2.39	-0.09	0.95	-0.95		2.85	-0.73	-0.54		
21	-0.59	1.91	-0.38	2.90	-1.06	1.69	0.84	-0.21	1.63	0.66	2.09	0.97	21
	0.83	2.40	1.51	2.29	-0.10	1.09	2.17	-1.05	2.75	-0.96	2.63	0.21	
22	-0.82	2.15	-0.28	2.35	-0.73	1.98	0.97	0.11	1.42	0.23	2.87	1.41	22
	1.01	2.69	0.11		-0.59		2.41	-1.17	2.39	-1.10	3.25	-0.05	
23	-0.55	2.02	1.43	-0.63	0.63	-0.48	1.15	0.32	1.40	0.00	2.50	0.85	23
	0.62		1.96	-0.40	2.05	-0.88	2.69	-1.06	2.34	1.00	2.84	-0.24	
24	2.16	-0.74	1.12	-0.56	0.66	-0.32	1.41	0.36	1.58	-0.07	2.41	0.59	24
	2.02	0.25	1.96	-0.41	2.16	-1.03	2.82	-0.99	2.61		3.14	0.12	
25	2.11	-0.47	1.51	0.00	1.13	0.04	1.64	0.37	-0.64	2.28	3.59	1.64	25
	2.18	0.18	2.59	-0.50	2.54	-0.84	2.80		0.09	2.83	3.94		
26	2.26	-0.13	1.68	0.15	1.40	0.49	-0.83	1.79	-0.32	2.19	0.79	3.33	26
	2.38	0.12	2.72	-0.49	2.98		0.46	2.97	-0.08	2.61	0.86	3.18	
27	2.30	0.01	1.86	0.41	-0.66	1.93	-0.79	1.61	-0.48	2.10	0.42	3.45	27
	2.57	0.01	2.93		0.85	3.57	0.33	2.98	-0.39	2.23	0.61	3.03	
28	2.64	0.77	-0.50	1.98	-0.02	2.54	-0.79	1.87	-0.50	2.25	0.43	3.34	28
	3.73	0.57	0.64	3.03	1.09	3.25	-0.17	2.68	-0.40	2.10	0.03	2.37	
29	2.51	0.40	-0.47	1.83	-0.14	2.29	-0.81	1.86			0.32	3.19	29
	3.21		0.62	3.18	0.69	3.03	-0.22	2.41			-0.07	2.47	
30	-0.20	2.26	-0.45	2.22	-0.64	1.87	-0.80	2.02			0.47	3.17	30
	0.41	2.79	0.85	3.35	0.46	3.14	-0.20	2.30			-0.16	2.36	
31	-0.38	2.17			-0.17	1.90	-0.65	2.14			0.83	3.64	31
	0.48	2.95			0.04	2.34	-0.40	2.44			0.39	2.65	
MAXIMUM	3.73		3.50		3.57		3.37		3.36		3.94		MAXIMUM
MINIMUM	-0.82		-0.89		-1.09		-1.35		-1.10		-0.85		MINIMUM

LOCATION: LAT. 37 53 28, LONG. 121 34 09, NE SEC 31, T1N, R4E,
AT HIGHWAY 4 BRIDGE, 4.2 MILES EAST OF BYRON.

PERIOD OF RECORD: MAY 1963 TO DATE

TABLE B-12 (CONTINUED)

DAILY TIDES

B95270 OLD RIVER NEAR BYRON
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	0.93	2.92	0.72	2.40	3.03	1.15	2.52	-0.23	-0.69	1.17	2.65	-0.85	01
	-0.40	2.00	-0.96		2.48	-0.04	1.21	-0.58	0.53		1.58	0.41	
02	0.57	2.43	2.11	0.54	3.07	0.73	2.63	-0.53	2.92	-0.83	2.61	-0.84	02
	-0.82		1.80	-1.19	2.10	-0.20	1.01	-0.22	1.32	0.70	1.68	0.28	
03	1.90	0.68	1.86	0.20	2.94	0.14	2.72	-0.75	2.97	-0.88	2.68	-0.74	03
	2.31	-0.73	1.47	-0.91	1.74	0.04	1.15	0.32	1.45	0.77	1.87	0.07	
04	2.23	0.86	2.12	0.06	3.14	0.00	3.01	-0.80	3.28	-0.54	2.64	-0.63	04
	2.24	-0.59	1.20	-1.14	1.96	0.67	1.46	0.67	2.02	0.84	2.04	-0.02	
05	2.20	0.74	1.67	-0.47	3.84	0.39	3.14	-0.86	3.18	-0.55	2.63	-0.38	05
	2.08	-0.59	1.12	-0.92	2.61	1.10	1.59	0.65	2.14	0.69	2.32		
06	2.08	0.30	1.71	-0.74	3.88	0.31	3.34	-0.77	3.12	-0.62	-0.02	2.62	06
	1.94	-0.61	1.23	-0.62	2.70	1.15	1.92	0.94	2.15	0.33	-0.12	2.54	
07	1.92	0.03	1.96	-0.81	3.80	-0.11	3.55	-0.63	2.76	-0.92	0.07	2.53	07
	2.08	-0.46	1.50	-0.34	2.57	1.14	2.07	0.79	1.75		0.02	2.72	
08	2.18	-0.17	2.17	-0.80	3.95	-0.10	3.53	-0.73	-0.20	2.55	0.07	2.45	08
	2.15	-0.33	1.78	0.05	2.63	1.12	2.05	0.71	-0.93	1.85	0.19	3.06	
09	2.22	-0.31	2.49	-0.70	3.92	-0.25	3.57	-0.61	-0.21	2.48	-0.04	2.22	09
	2.24	-0.05	1.96	0.21	2.64	1.20	2.17		-0.74	2.03	0.15	3.08	
10	2.38	-0.36	2.53	-0.79	4.03	-0.11	0.54	3.41	-0.15	2.29	0.04	2.24	10
	2.19	0.09	1.73	0.19	2.96		-0.66	2.28	-0.55	2.35	0.52	3.21	
11	2.50	-0.37	2.45	-1.02	1.51	4.34	0.45	3.14	0.01	2.25	-0.09	2.15	11
	2.41		1.29	0.06	0.30	3.18	-0.73	2.28	-0.14	2.81	0.85	3.25	
12	0.42	2.68	2.35	-1.13	1.48	4.13	0.16	2.89	0.10	2.07	-0.07	2.19	12
	-0.45	2.10	1.82		-0.14	2.87	-0.75	2.42	0.02	2.90	1.02	3.26	
13	0.42	2.65	0.45	2.68	1.04	3.60	0.15	2.66	-0.11	1.79	-0.14	2.19	13
	-0.46	2.16	-0.81	2.43	-0.34	3.07	-0.57	2.87	0.10	2.84	1.08		
14	0.80	3.11	1.29	3.26	1.36	3.69	0.36	2.66	-0.31	1.65	3.06	-0.27	14
	-0.28	2.46	-0.30	2.48	0.08	3.45	-0.26	3.09	0.42		2.07	0.81	
15	0.83	2.91	0.99	3.35	1.23	3.34	-0.01	2.01	2.85	-0.47	2.82	-0.39	15
	-0.70	2.11	-0.61	2.44	0.15	3.43	-0.49	2.84	1.86	0.72	2.20	0.55	
16	0.81	2.89	0.95	3.05	0.72	2.69	-0.48	1.56	3.01	-0.50	2.70	-0.42	16
	-0.78	2.11	-0.67	2.54	-0.19		-0.32		1.79	0.73	2.25	0.27	
17	0.90	2.81	0.80	2.62	3.33	0.30	2.96	-0.55	2.86	-0.63	2.55	-0.34	17
	-0.73		-0.88		2.38	0.22	1.79	0.37	1.82	0.69	2.34	0.23	
18	2.16	0.85	2.43	0.50	3.54	-0.03	3.36	-0.55	2.76	-0.72	2.55	-0.10	18
	2.44	1.00	2.54	-0.43	2.15	0.25	1.92	0.60	1.85	0.36	2.45	0.28	
19	1.98	0.51	2.93	0.43	3.64	-0.18	3.43	-0.62	2.65	-0.74	2.48	-0.09	19
	2.05	-1.20	2.47	-0.03	2.11	0.29	2.04	0.67	1.84	0.24	2.42		
20	1.81	0.08	3.46	0.86	3.54	-0.50	3.43	-0.81	2.46	-0.75	0.03	2.17	20
	1.93	-1.02	2.25	-0.63	2.22	0.71	2.13	0.72	1.92	0.21	-0.25	2.18	
21	2.03	-0.01	2.71	-0.43	3.63	-0.48	3.44	-0.62	2.51	-0.51	-0.21	2.09	21
	2.24	-0.56	1.91	-0.20	2.21	0.72	2.15	0.59	2.17		-0.09	2.17	
22	2.40	-0.07	3.09	-0.49	3.61	-0.57	3.38	-0.66	0.37	2.52	-0.30	1.82	22
	2.35	-0.49	2.10	0.10	2.28	0.75	2.16	0.53	-0.45	2.13	-0.13	2.25	
23	2.36	-0.59	3.31	-0.44	3.58	-0.63	3.24	-0.58	0.10	2.27	-0.54	1.59	23
	2.08	-0.42	2.21	0.33	2.32	0.85	2.23		-0.47	2.06	-0.31	2.08	
24	2.48	-0.69	3.45	-0.53	3.34	-0.59	0.54	3.21	-0.04	2.05	-0.82	1.38	24
	2.33	0.26	2.28	0.62	2.18		-0.57	2.25	-0.48	1.95	-0.17	2.15	
25	2.99	-0.43	3.55	-0.52	0.51	2.93	0.39	2.98	-0.14	1.89	-0.80	1.44	25
	2.37		2.33		-1.07	1.98	-0.66	2.34	-0.25	2.36	0.24	2.44	
26	0.16	2.82	0.66	3.59	0.41	2.72	0.39	2.87	0.10	2.05	-0.56	1.67	26
	-0.82	1.94	-0.49	2.53	-1.05	2.10	-0.46	2.56	0.19	2.69	0.65	2.69	
27	0.07	2.89	0.96	3.68	0.51	2.72	0.45	2.78	-0.02	1.65	-0.40	1.76	27
	-0.89	1.84	-0.45	2.51	-1.01	2.17	-0.07	2.94	-0.08	2.45	1.10	2.82	
28	0.20	2.59	0.96	3.41	0.41	2.35	0.61	2.58	-0.44	1.26	-0.43	1.83	28
	-0.97	1.95	-0.46	2.46	-1.06	2.23	-0.05	2.94	-0.03	2.35	0.88	2.57	
29	0.44	2.68	0.92	3.13	0.21	2.09	0.33	2.01	-0.76	1.10	-0.60	1.95	29
	-1.02	2.05	-0.83	2.55	-0.88	2.34	-0.25	2.77	0.35	2.38	0.66		
30	0.67	2.69	1.09	3.09	0.10	1.54	-0.04	1.46	-0.91	1.11	2.63	-0.45	30
	-0.98	2.10	-0.53	2.90	-0.80		-0.23	2.75	0.64	2.61	2.08	0.47	
31			1.32	2.84			-0.44	1.22	-0.89	1.32			31
			-0.32				0.12	2.98	0.65				
MAXIMUM	3.11		3.68		4.34		3.57		3.28		3.26		MAXIMUM
MINIMUM	-1.20		-1.19		-1.07		-0.86		-0.93		-0.85		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 6.17 - 2-15-69

ZERO OF GAGE: 1963 TO 1964 -00.42 USGS
1964 TO DATE 00.00 USGS

TABLE R-12 (CONTINUED)

DAILY TIDES

895180 OLD RIVER NEAR ROCK SLOUGH
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	5.48	3.05	2.51	5.24	2.57	5.35	1.94	5.05	3.18	6.25	3.03	6.22	01
	5.99		3.73	6.49	4.07	6.75	3.12	5.67	3.25	5.60	2.96	5.55	
02	3.12	5.61	2.64	5.36	2.63	5.58	2.17	5.26	3.50	6.63	3.16	6.13	02
	3.52	6.35	3.99	6.50	4.20	6.66	2.95	5.16	3.26	5.26	2.61	4.90	
03	3.12	5.67	2.52	5.25	2.71	5.73	1.99	5.19	3.30	6.43	2.96	5.88	03
	3.00	6.25	3.87	6.31	4.14	6.47	2.57	4.59	2.94		2.35	4.85	
04	2.86	5.48	2.38	5.18	3.27	6.21	2.02	5.51	5.29	4.27	3.57	6.20	04
	3.65	6.36	3.85	6.21	4.43	6.43	2.47	4.30	6.83	2.95	2.64		
05	2.81	5.36	2.40	5.32	2.84	5.84	2.22	5.54	5.06	3.77	5.23	4.01	05
	3.81	6.40	3.86	6.00	3.63	5.41	2.23		6.31	2.53	6.33	2.68	
06	2.69	5.22	2.32	5.32	2.38	5.65	4.19	2.71	4.89	3.71	5.38	4.24	06
	3.90	6.30	3.65	5.57	3.11	4.85	6.12	2.57	6.13	2.48	6.28	2.60	
07	2.53	5.28	2.25	5.60	2.43	5.82	4.76	3.39	5.16	3.93	5.31	4.15	07
	4.22	6.54	3.65	5.62	2.81		6.30	2.48	6.41	2.70	6.66	3.37	
08	2.79	5.46	2.40	5.51	4.78	2.71	5.10	4.10	5.40	3.98	5.89	4.20	08
	4.26	6.29	3.00		5.72	2.43	6.82	2.92	6.46	2.93	6.32	2.99	
09	2.60	5.49	5.11	2.42	4.62	2.99	5.24	3.66	5.99	4.21	5.64	3.82	09
	4.04	6.14	5.58	2.70	6.00	2.43	6.21	2.21	6.74	3.67	6.18	2.93	
10	2.56	5.54	4.91	2.56	4.84	3.32	4.79	3.50	6.29	4.20	5.77	3.72	10
	3.64		5.66	2.44	6.26	2.49	6.10		6.57		6.16	3.11	
11	5.96	2.60	4.86	2.71	4.94	3.53	2.09	4.71	3.11	5.71	5.92	3.61	11
	5.57	3.21	5.80	2.39	6.32	2.42	3.39	6.02	3.74	6.21	6.13	3.18	
12	5.68	2.48	4.88	2.97	4.98	3.66	2.05	4.67	2.93	5.71	5.83	3.38	12
	5.56	2.87	6.05	2.37	6.41		3.12	5.56	3.67	6.24	5.88	3.13	
13	5.55	2.70	5.06	3.32	2.51	5.05	1.75	4.46	3.27	6.27	5.91	3.45	13
	5.77	2.74	6.32		3.63	6.14	2.98	5.5[illegible]	4.06	6.24	6.02		
14	5.50	2.84	2.52	5.20	2.14	4.80	1.89	4.69	3.45	6.22	3.34	5.85	14
	5.94	2.66	3.59	6.52	3.48	6.04	3.11	5.43	3.90	5.77	3.07	5.57	
15	5.39	2.93	2.76	5.42	2.15	4.83	1.95	4.84	3.23	5.86	3.28	5.95	15
	5.95		3.85	6.53	3.46	5.80	3.11	5.28	3.42	5.32	2.98	5.58	
16	2.47	5.28	2.58	5.29	1.98	4.73	2.02	4.99	3.25	6.04	3.96	6.51	16
	3.12	6.14	3.91	6.38	3.45	5.64	3.05	4.98	3.44	4.70	3.21	5.36	
17	2.50	5.29	2.49	5.24	2.08	4.96	1.96	4.86	3.18	5.71	3.56	6.03	17
	3.32	6.21	3.85	6.02	3.62	5.60	2.75	4.43	3.06	4.45	2.75	5.13	
18	2.44	5.26	2.27	5.26	2.11	5.09	1.91	4.85	3.20	5.71	3.77	6.16	18
	3.55	6.31	4.06	5.92	3.56	5.12	2.58	4.14	2.69	4.29	2.81	5.04	
19	2.61	5.50	2.29	5.15	1.93	5.02	2.11	4.94	3.55	6.03	4.02	6.30	19
	3.98	6.43	3.81	5.35	3.32	4.63	2.21	3.66	2.71		3.01	5.22	
20	2.80	5.55	2.10	5.21	1.90	4.96	2.32	5.18	4.83	4.13	4.28	6.06	20
	4.21	6.29	3.90	5.39	2.99	4.12	2.22		6.19	2.38	2.58		
21	2.61	5.31	2.66	6.31	1.99	5.16	3.94	3.01	4.63	3.82	5.12	4.16	21
	4.05	5.77	4.66	5.32	2.99	4.12	5.61	2.11	6.03	2.12	5.94	3.34	
22	2.39	5.44	2.76	5.61	2.32	5.36	4.09	3.33	4.48	3.39	6.14	4.59	22
	4.20	5.79	3.18	4.45	2.43		5.79	1.95	5.83	1.99	6.49	3.05	
23	2.63	5.41	2.43	5.32	3.84	2.55	4.24	3.49	4.71	3.18	5.82	4.02	23
	3.80	5.24	2.66		5.38	2.09	6.06	2.06	5.88	2.10	6.25	2.82	
24	2.40	5.37	4.28	2.50	3.85	2.77	4.53	3.54	4.95	3.06	5.85	3.73	24
	3.43		5.39	2.66	5.53	1.96	6.22	2.14	6.05	2.43	6.39	3.23	
25	5.20	2.67	4.80	3.08	4.16	3.15	4.75	3.55	5.39	3.21	6.69	4.73	25
	5.54	3.35	5.86	2.51	5.96	2.14	6.35	2.30	6.19		7.22	3.81	
26	5.36	2.99	4.69	3.22	4.63	3.57	5.02	3.61	2.76	5.62	6.34	3.77	26
	5.79	3.24	6.04	2.50	6.35	2.31	6.52		3.03	5.92	6.37	3.48	
27	5.38	3.11	4.89	3.46	4.99	4.03	2.34	4.94	2.62	5.58	6.53	3.59	27
	5.92	3.11	6.26	2.46	7.04		3.37	6.38	2.75	5.62	6.24	3.46	
28	5.75	3.88	5.07	3.72	2.98	5.53	2.32	5.03	2.67	5.83	6.41	3.03	28
	6.87	3.68	6.46		4.04	6.65	3.06	6.15	2.76	5.48	5.64		
29	5.59	3.45	2.49	5.10	2.76	5.29	2.33	5.18			3.42	6.63	29
	6.27	2.84	3.69	6.46	3.89	6.49	2.94	5.77			2.99	5.73	
30	5.33	3.45	2.49	5.25	2.30	5.06	2.34	5.45			3.62	6.65	30
	6.18		3.94	6.68	3.49	6.42	2.98	5.66			2.96	5.76	
31	2.60	5.19			2.80	4.84	2.52	5.63			4.03	6.90	31
	3.54	6.29			2.99	5.67	2.93	5.88			3.28	5.65	
MAXIMUM	6.87		6.68		7.04		6.82		6.83		7.22		MAXIMUM
MINIMUM	2.39		2.10		1.90		1.75		1.99		2.35		MINIMUM

LOCATION: LAT. 37 59 25, LONG. 121 34 49, SW SEC. 30, T2N, R4E, ON AMERICAN ISLAND (FORMERLY HOLLAND TRACT), 1.2 MILES NORTH OF ROCK SLOUGH, 4.7 MILES NORTHEAST OF KNIGHTSEN.

PERIOD OF RECORD: MAR 1945 TO DATE

TABLE B-12 (CONTINUED)

DAILY TIDES

895100 OLD RIVER NEAR ROCK SLOUGH
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	4.06 2.50	6.25 5.10	3.99 2.29	5.83 5.34	4.37 3.07	5.55	NR	NR	2.57 3.76	4.54	6.27 4.99	2.37 3.59	01
02	3.79 2.34	5.73	3.82 2.10	5.25	6.26 5.16	3.92 3.06	NR	NR	6.31 4.71	2.43 3.95	6.18 5.10	2.35 3.46	02
03	5.09 5.62	3.92 2.47	5.37 4.90	3.48 2.37	6.14 4.81	3.32 3.24	2.51 3.54	4.35	6.43 4.95	2.36 4.07	6.27 5.29	2.44 3.29	03
04	5.36 5.56	4.10 2.62	5.63 4.55	3.32 2.11	6.29 5.03	3.16 3.90	6.25 4.62	2.43 3.86	6.76 5.40	2.70 4.11	6.24 5.49	2.56 3.20	04
05	5.61 5.46	3.99 2.63	5.29 4.35	2.76 2.34	6.98 5.63	3.53 4.30	6.39 4.73	2.35 3.85	6.84 5.47	2.68 3.96	6.24 5.77	2.60 3.19	05
06	5.51 5.38	3.52 2.60	5.23 4.49	2.49 2.64	7.05 5.77	3.44 4.37	6.60 5.07	2.41 4.17	6.78 5.41	2.65 3.59	6.22 6.09	3.07	06
07	5.50 5.42	3.27 2.75	5.51 4.73	2.40 2.92	6.94 5.66	3.02 4.35	6.77 5.25	2.57 4.04	6.42 5.12	2.27 3.04	3.26 3.22	6.11 6.36	07
08	5.65 5.40	3.05 2.87	5.74 5.00	2.42 3.29	7.11 5.69	2.98 4.35	6.75 5.25	2.45 3.94	6.09 5.34	2.28	3.26 3.41	6.01 6.56	08
09	5.66 5.42	2.88 3.18	6.06 5.13	2.51 3.43	NR	NR	6.80 5.37	2.58 3.78	3.03 2.50	6.03 5.65	3.12 3.34	5.67 6.59	09
10	5.83 5.48	2.79 3.27	6.13 5.10	2.37 3.43	NR	NR	6.62 5.41	2.52	3.09 2.69	5.91 5.96	3.24 3.71	5.67 6.69	10
11	5.93 5.52	2.76 3.58	6.05 4.84	2.14 3.29	NR	NR	3.69 2.46	6.41 5.52	3.22 3.09	5.87 6.37	3.11 4.02	5.56 6.73	11
12	6.16 5.39	2.64 3.59	6.03 5.05	2.07 3.71	NR	NR	3.52 2.49	6.10 5.72	3.34 3.24	5.56 6.47	3.13 4.22	5.55 6.71	12
13	6.28 5.54	2.71	6.30 5.60	2.34	NR	NR	3.39 2.62	5.87 6.10	3.12 3.31	5.24 6.45	3.84 4.24	5.63 6.50	13
14	4.01 2.84	6.58 5.57	4.51 2.87	6.84 5.63	NR	NR	3.60 3.02	5.85 6.37	2.93 3.60	5.11 6.50	2.91 3.97	5.56	14
15	4.01 2.37	6.30 5.21	4.22 2.55	6.49 5.60	NR	NR	3.25 2.73	5.20 6.13	2.77 3.87	5.19	6.30 5.54	2.79 3.77	15
16	4.00 2.37	6.22 5.21	4.16 2.46	6.26 5.67	NR	NR	2.75 2.90	4.74	6.63 5.27	2.74 3.93	6.13 5.51	2.77 3.47	16
17	4.10 2.46	6.11 5.30	4.02 2.24	5.89 5.58	NR	NR	6.33 5.01	2.68 3.65	6.50 5.40	2.60 3.84	6.01 5.64	2.84 3.42	17
18	4.06 2.16	5.73	3.71 2.73	5.65	NR	NR	6.64 5.10	2.66 3.84	6.39 5.27	2.49 3.56	6.04 5.79	3.08 3.47	18
19	5.10 5.41	3.72 1.93	6.08 5.61	3.62 3.24	NR	NR	6.66 5.24	2.56 3.94	6.22 5.25	2.46 3.46	5.97 5.78	3.09 3.21	19
20	5.09 5.27	3.29 2.13	6.60 5.18	3.75 2.47	NR	NR	6.67 5.33	2.59 3.96	6.05 5.34	2.45 3.43	5.65 5.63	2.93 2.97	20
21	5.45 5.56	3.19 2.66	5.91 5.02	2.65 2.98	NR	NR	6.64 5.33	2.57 3.83	6.10 5.60	2.69 3.58	5.59 5.72	3.10	21
22	5.89 5.58	3.16 2.73	6.29 5.21	2.62 3.28	NR	NR	6.59 5.36	2.55 3.78	6.11 5.56	2.76	2.89 3.08	5.36 5.68	22
23	5.88 5.30	2.63 2.78	6.50 5.34	2.66 3.51	NR	NR	6.55 5.44	2.63 3.78	3.34 2.75	5.83 5.58	2.66 2.90	5.80 5.54	23
24	6.05 5.67	2.56 3.48	6.65 5.42	2.56 3.81	NR	NR	6.46 5.48	2.65	3.20 2.74	5.63 5.57	2.37 3.06	4.80 5.64	24
25	6.54 5.59	2.74 3.37	6.81 5.45	2.55 3.85	NR	NR	3.67 2.55	6.19 5.57	3.10 2.99	5.45 5.82	2.38 3.41	4.81 5.86	25
26	6.32 5.21	2.33 3.29	6.73 5.66	2.60	NR	NR	3.68 2.75	6.07 5.78	3.34 3.43	5.55 6.15	NR	NR	26
27	6.33 5.15	2.29	4.19 2.62	6.80 5.63	NR	NR	3.74 3.15	5.96 6.15	3.22 3.15	5.05 5.91	NR	NR	27
28	3.45 2.18	6.20 5.16	4.15 2.55	6.52 5.56	NR	NR	3.88 3.19	5.74 6.18	2.82 3.21	4.63 5.83	NR	NR	28
29	3.68 2.18	6.18 5.27	4.13 2.30	6.22 5.68	NR	NR	3.60 3.07	5.22 6.03	2.48 3.47	4.47 5.89	NR	NR	29
30	3.93 2.24	6.10 5.32	4.42 2.60	6.19 6.06	NR	NR	3.21 3.02	4.65 5.97	2.34 3.91	4.60 6.14	NR	NR	30
31			4.53 2.83	5.93 6.14			2.81 3.33	4.36 6.10	2.33 3.97	4.84			31
MAXIMUM	6.58		6.84		NR		NR		6.84		NR		MAXIMUM
MINIMUM	1.93		2.07		NR		NR		2.27		NR		MINIMUM

NR - NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 10.0 - 12-26-55

ZERO OF GAGE: 1945 -3.00 USCGS
1964 -3.58 USCGS
1964 TO DATE -3.00 USCGS

TABLE 8-12 (CONTINUED)

DAILY TIDES

894175 MOKELUMNE RIVER NEAR THORNTON
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	0.94	2.97	1.12	2.78	1.05	2.89	0.08	2.55	0.97	3.78	0.65	3.60	01
	1.08	3.00	1.71	3.90	1.96	4.20	0.87	3.15	1.17	3.24	0.71	2.90	
02	1.20	3.09	1.06	2.85	1.12	3.12	0.15	2.73	1.24	4.04	0.78	3.50	02
	1.53	3.87	1.84	3.96	2.09	4.14	0.68	2.58	1.39	2.84	0.36	2.31	
03	1.30	3.15	0.94	2.74	1.29	3.38	-0.11	2.65	1.90	4.07	0.53	3.46	03
	1.54	3.76	1.74	3.78	1.68	4.02	0.31	1.99	1.81		0.97	2.47	
04	1.08	2.97	0.77	2.66	0.75	3.45	-0.20	2.97	3.23	2.68	1.62	3.77	04
	1.54	3.82	1.65	3.63	1.63	3.65	0.21	1.68	4.34	2.04	1.15		
05	0.99	2.83	0.68	2.74	0.23	3.16	-0.12	3.01	3.02	2.46	2.78	1.94	05
	1.57	3.93	1.64	3.41	1.06	2.70	0.01		4.04	2.52	3.81	1.18	
06	0.90	2.67	0.54	2.76	-0.10	2.98	1.65	0.35	3.24	2.67	2.89	2.18	06
	1.65	3.74	1.35	2.95	0.47		3.58	0.38	3.83		3.82	1.24	
07	0.78	2.70	0.30	3.05	2.14	-0.25	2.15	0.88	1.57	2.86	3.03	2.36	07
	1.91	3.95	1.38	3.02	3.07	0.13	3.69	0.50	2.02	3.80	4.07	1.33	
08	1.04	2.94	0.40	2.90	2.07	-0.08	2.59	1.86	1.00	2.87	3.30	1.98	08
	1.98	3.71	0.85		3.01	-0.31	4.33		1.83	3.90	3.88	2.68	
09	0.93	3.03	2.54	0.34	1.82	0.11	1.30	2.77	1.61	3.52	4.21	4.16	09
	1.90		3.08	0.56	3.24	-0.29	1.83	3.70	2.49	4.33	5.17		
10	3.62	0.90	2.35	0.38	2.10	0.46	1.16	2.54	3.21A	8.45A	4.73	5.13	10
	3.08	1.59	3.16	0.40	3.46		1.81	3.70			4.57	4.91	
11	3.42	0.89	2.28	0.52	-0.24	2.19	0.84	2.33	8.45A	7.14A	3.85	4.35	11
	3.03	1.23	3.29		0.65	3.51	1.42	3.59			3.43	4.16	
12	3.20	0.80	0.37	2.37	-0.31	2.21	0.49	2.21	7.10A	4.94A	2.90	3.79	12
	3.13	1.06	0.77	3.51	0.77	3.57	1.03	3.14			2.61	3.70	
13	3.11	0.96	0.45	2.54	-0.23	2.25	0.03	2.00	4.32	4.81	2.24	3.62	13
	3.34		1.05	3.73	0.71	3.34	0.77	3.04	4.10		2.23	3.65	
14	1.01	3.06	0.53	2.64	-0.59	2.06	-0.04	2.18	5.12A	7.96A	2.20	3.65	14
	1.06	3.50	1.25	3.90	0.60	3.25	0.77	2.89			2.99	4.50	
15	0.91	2.91	0.78	2.85	-0.62	2.07	-0.08	2.32	7.79A	6.05A	4.47	5.27	15
	1.05	3.49	1.53	3.93	0.59	3.05	0.73	2.70			4.75	5.04	
16	0.75	2.81	0.72	2.75	-0.78	2.00	-0.13	2.45	5.28	5.38	4.53	5.08	16
	1.16	3.68	1.59	3.78	1.14	3.08	0.64	2.38	3.97	3.97	3.98	4.34	
17	0.83	2.81	0.65	2.69	0.12	2.39	-0.23	2.34	2.95	3.83	4.19	5.12	17
	1.33	3.72	1.52	3.47	1.13	3.04	0.35	1.79	2.34	2.72	4.67	4.87	
18	0.80	2.78	0.47	2.77	0.14	2.57	-0.38	2.32	1.93	3.47	4.43	4.82	18
	1.49	3.79	1.68	3.34	1.14	2.52	0.16	1.50	1.36		3.74	4.10	
19	0.93	2.99	0.43	2.57	-0.08	2.50	-0.26	2.39	2.15	1.65	3.87	4.63	19
	1.83	3.87	1.47	2.76	0.94	2.00	-0.16	0.98	3.59	1.13	3.55		
20	1.06	3.04	0.23	2.65	-0.21	2.42	-0.19	2.62	2.47	1.91	3.95	3.66	20
	1.97	3.69	1.55	2.78	0.63	1.51	-0.14		3.61	1.04	4.27	3.03	
21	0.85	2.69	0.73	3.86	-0.21	2.64	1.29	0.39	2.46	2.09	3.76	3.51	21
	1.75	3.20	2.36	2.79	0.64	1.49	3.04	-0.16	3.44	1.25	4.28	3.59	
22	0.66	2.89	0.84	3.09	0.00	2.60	1.45	0.69	2.43	1.77	4.02A	5.80A	22
	1.92	3.25	1.16		0.13		3.18	-0.26	3.45				
23	0.83	2.95	1.97	0.56	1.16	0.05	1.60	0.84	0.80	2.40	5.91A	7.53A	23
	1.65		2.86	0.91	2.56	-0.22	3.45	-0.15	1.30	3.39			
24	0.65	2.88	1.85	0.70	1.14	0.26	1.83	0.90	0.52	2.51	7.16A	5.74A	24
	1.39		3.00	0.96	2.96	-0.18	3.57		1.04	3.47			
25	2.65	0.82	2.40	1.17	1.54	0.62	-0.08	2.14	0.60	2.80	5.19	6.06	25
	3.06	1.35	3.35	0.85	3.37	0.01	0.92	3.72	1.05	3.56	5.71	6.03	
26	2.82	1.02	2.24	1.24	1.99	1.03	0.13	2.39	0.73	3.04	6.21A	9.04A	26
	3.34	1.20	3.59		3.73		1.05	3.74	0.84	3.27			
27	2.85	1.06	0.90	2.48	0.21	2.42	0.12	2.32	0.50	3.02	8.98A	8.18A	27
	3.43	1.15	1.45	3.75	1.53	4.38	0.61	3.42	0.55	3.01			
28	3.28	1.82	0.92	2.61	0.96	2.76	0.01	2.42	0.45	3.23	8.16A	7.24A	28
	4.35		1.67	3.96	1.37	3.96	0.59	3.52	0.51	2.84			
29	1.70	3.02	0.97	2.66	0.49	2.55	0.10	2.56			7.05	7.17	29
	1.39	3.73	1.67	3.95	1.25	3.92	0.44	3.15			6.33	6.37	
30	1.10	2.81	0.98	2.79	0.59	2.59	0.04	2.85			5.84	6.15	30
	1.39	3.81	1.87	4.13	1.32	3.73	0.52	3.03			5.37	5.55	
31	1.63	2.84			0.36	2.18	0.17	3.13			5.16	5.65	31
	1.73	3.86			0.67	3.09	0.85	3.35			4.83	5.05	
MAXIMUM	4.35		4.13		4.38		4.33		8.45A		9.04A		MAXIMUM
MINIMUM	0.65		0.23		-0.78		-0.38		0.45A		0.36A		MINIMUM

A - HIGH FLOWS AFFECTED THE NORMAL TIDAL PATTERN

LOCATION: LAT. 38 15 20, LONG. 121 26 21, NW SEC. 28 T5N, R5E, AT HIGHWAY BRIDGE, 2.3 MILES NORTHWEST OF THORNTON. AT TIMES, TIDAL FLUCTUATION IS INFLUENCED BY OPERATION OF THE DELTA CROSS CHANNEL GATES.

PERIOD OF RECORD: FEB 1959 TO DATE

TABLE 8-12 (CONTINUED)

DAILY TIDES

B94175 MOKELUMNE RIVER NEAR THORNTON
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	4.65	5.04	3.92	4.41	4.03	3.34	1.01	1.79	0.46	1.84	3.73	0.68	01
	4.04		3.48		3.08	2.57	0.61		1.19		2.51	1.43	
02	4.35	4.03	4.16	3.86	4.12	3.15	3.37	0.69	3.68	0.38	3.66	0.62	02
	4.52	3.46	4.17	3.30	3.43	2.50	1.60	0.64	2.16	1.43	2.62	1.33	
03	4.00	3.73	4.12	3.70	3.98	2.70	3.38	0.42	3.83	0.42	3.78	0.71	03
	4.26	3.27	3.96	3.34	3.04	2.37	1.76	1.03	2.45	1.60	2.84	1.26	
04	3.98	3.64	4.23	3.69	4.03	2.49	3.63	0.41	4.10	0.73	3.76	0.83	04
	4.10	3.13	3.84	3.32	3.11	2.65	2.01	1.34	2.85	1.66	3.07	1.24	
05	4.08	3.63	4.21	3.72	4.54	2.79	3.77	0.38	4.19	0.71	3.79	1.00	05
	4.10	3.40	3.90	3.53	3.53	2.96	2.21	1.03	2.99	1.61	3.36		
06	4.41	4.24	4.24	3.69	4.02	2.78	3.97	0.17	4.15	0.75	1.26	3.75	06
	4.78	4.57	3.95	3.58	3.63	3.06	2.55	1.66	2.96	1.30	1.21	3.69	
07	5.20	5.02	4.31	3.55	4.55	2.58	4.15	0.62	3.85	0.30	1.37	3.64	07
	5.34		3.87	4.48	3.56	3.05	2.75	1.63	2.61		1.34	3.93	
08	4.97	5.33	4.26	3.14	4.68	2.53	4.12	0.41	0.78	3.58	1.46	3.56	08
	4.82	5.04	3.63	3.11	3.54	3.03	2.78	1.15	0.28	2.83	1.46	4.03	
09	4.44	4.81	4.22	2.95	4.61	2.41	4.16	0.63	0.82	3.52	1.29	3.18	09
	4.18	4.57	3.65		3.52		2.89		0.51	3.22	1.28	4.06	
10	4.03	4.61	3.16	4.24	2.98	4.68	1.41	3.99	0.92	3.41	1.38	3.23	10
	3.84	4.34	2.97	3.67	2.41	3.74	0.52	2.94	0.68	3.52	1.59	4.12	
11	3.77	4.48	3.23	4.25	3.14	4.96	1.34	3.84	1.10	3.38	1.29	3.14	11
	3.74	4.47	2.96	3.62	2.65	3.91	0.46	3.07	0.97	3.79	1.86	4.18	
12	4.12	4.75	3.26	4.29	3.17	4.73	1.24	3.57	1.19	3.06	1.34	3.09	12
	3.85	4.27	3.03	3.75	2.18	3.62	0.46	3.22	1.01	3.91	1.96	4.15	
13	3.90	4.66	3.48	4.50	2.76	4.26	1.15	3.34	1.03	2.70	1.29	3.15	13
	3.70	4.27	3.32	4.19	1.88	3.86	0.61	3.59	1.00	3.87	2.03		
14	3.96	4.80	4.03	4.98	2.89	4.28	1.41	3.32	0.85	2.57	3.98	1.15	14
	3.70	4.20	3.82	4.35	1.88	4.06	0.97	3.88	1.21	3.92	3.14	1.86	
15	3.84	4.55	4.11	4.81	2.74	3.97	1.05	2.67	0.75	2.63	3.84	1.08	15
	3.38	3.99	3.85	4.46	1.82	4.07	0.65	3.60	1.47	.	3.18	1.71	
16	3.82	4.61	4.29	4.63	2.25	3.35	0.71	2.22	4.02	0.76	3.62	1.05	16
	3.80		4.12		1.48		0.67		2.76	1.55	3.86	1.46	
17	4.30	4.19	4.67	4.41	4.07	2.23	3.76	0.68	3.94	0.72	3.55	1.07	17
	4.75	3.91	4.77	3.97	3.29	2.29	2.52	1.36	3.02	1.63	3.22	1.44	
18	4.38	4.17	4.55	4.23	4.27	2.26	4.01	0.78	3.85	0.63	3.58	1.24	18
	4.54	3.65	4.60	3.98	3.18	2.30	2.61	1.50	2.78	1.38	3.39		
19	4.17	3.93	4.77	4.31	4.40	2.31	4.05	0.71	3.74	0.84	1.52	3.56	19
	4.28	3.39	4.62	4.15	3.14	2.30	2.73	1.62	2.76	1.27	1.25	3.35	
20	4.04	3.66	5.03	4.24	4.38	1.98	4.10	0.77	3.58	0.61	1.26	3.21	20
	4.10	3.27	4.34	3.88	3.16	2.45	2.86	1.64	2.93		1.02	3.23	
21	4.13	3.58	4.64	3.92	4.41	1.80	4.04	0.70	1.28	3.63	1.07	3.16	21
	4.18	3.39	4.22	3.85	3.09	2.24	2.81	1.47	0.80	3.17	1.14	3.32	
22	4.38	3.65	4.76	3.92	4.33	1.60	3.97	0.64	1.46	3.62	1.00	2.95	22
	4.21	3.40	4.33	3.97	3.16	2.31	2.87		0.97	3.12	1.06	3.24	
23	4.30	3.35	4.82	3.82	4.29	1.61	1.47	3.94	1.29	3.40	0.76	2.52	23
	3.95	3.20	4.18	3.77	3.27		0.70	2.96	0.89	3.18	0.92	3.11	
24	4.34	3.34	4.78	3.53	2.32	4.18	1.47	3.88	1.17	3.16	0.57	2.33	24
	4.24		4.02		1.47	3.02	0.72	2.99	0.84	3.16	0.99	3.19	
25	3.69	4.69	3.63	4.69	1.97	3.77	1.37	3.63	1.11	3.00	0.62	2.32	25
	3.64	4.27	3.35	3.97	0.91	2.84	0.61	3.08	0.97	3.37	1.22	3.37	
26	3.91	4.80	3.59	4.69	1.86	3.59	1.40	3.50	1.29	3.11	0.68	2.51	26
	4.12	4.59	3.36	4.12	0.95	2.97	0.75	3.29	1.36	3.68	1.50	3.54	
27	4.37	5.14	3.76	4.73	1.94	3.45	1.48	3.39	1.22	2.55	0.83	2.64	27
	4.37	4.68	3.35	4.05	0.91	3.03	1.03	3.58	1.00	3.45	1.03	3.63	
28	4.42	5.03	3.66	4.48	1.83	3.04	1.63	3.16	0.82	2.06	0.87	2.66	28
	4.16	4.52	3.09	3.90	0.43	2.97	0.98	3.64	0.95	3.37	1.75	3.44	
29	4.28	4.83	3.55	4.26	1.47	2.66	1.39	2.68	0.56	1.90	0.75	2.75	29
	3.92	4.38	2.84	3.92	0.56	3.11	0.89	3.48	1.12	3.40	1.60		
30	4.17	4.74	3.52	4.15	1.27	2.22	0.97	2.03	0.49	2.09	3.48	0.87	30
	3.76	4.20	2.47	3.95	0.57	3.28	0.69	3.39	1.52	3.63	2.96	1.52	
31			3.38	3.87			0.61	1.72	0.56	2.37			31
			2.53				0.84	3.48	1.68				
MAXIMUM	5.34		5.03		4.96		4.16		4.19		4.18		MAXIMUM
MINIMUM	3.13		2.47		0.43		0.17		0.28		0.57		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 14.5 - 2-2-63

ZERO OF GAGE: 1959 0.40 USCGS
1964 -0.48 USCGS
1964 TO DATE 0.00 USCGS

TABLE 8-12 (CONTINUED)

DAILY TIDES

894150 MOKELUMNE RIVER, SOUTH FORK, AT NEW HOPE BRIDGE
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.94	0.80	0.38	2.63	0.83	2.86	NR	NR	0.93	3.88	0.27	3.52	01
	3.48		1.22	3.84	1.85	4.27			1.12	3.24	0.27	2.84	
02	0.91	3.07	0.45	2.73	0.91	3.08	NR	NR	1.21	4.12	0.41	3.43	02
	1.22	3.86	1.45	3.92	2.00	4.20			1.21	2.78	-0.09	2.25	
03	0.97	3.10	0.41	2.63	1.06	3.34	-0.19	2.84	1.40	3.99	0.16	3.53	03
	1.28	3.75	1.30	3.73	1.50	4.04	0.25	1.97	0.40		0.52	2.39	
04	0.75	2.90	0.25	2.57	0.54	3.43	-0.22	3.00	2.77	1.53	1.34	3.72	04
	1.27	3.82	1.34	3.57	1.53	3.84	0.18	1.66	4.19	0.43	0.73		
05	0.68	2.77	0.22	2.67	0.09	3.08	-0.13	3.04	2.43	1.05	2.73	1.69	05
	1.35	3.82	1.32	3.34	0.82	2.66	-0.03		3.70	0.01	3.79	0.76	
06	0.58	2.61	0.10	2.68	-0.37	2.91	1.64	0.34	2.26	0.98	2.84	1.94	06
	1.45	3.70	1.11	2.90	0.30	2.10	3.63	0.32	3.52	-0.09	3.82	0.74	
07	0.43	2.64	-0.04	2.98	-0.37	3.01	2.13	0.88	2.52	1.17	2.94	1.98	07
	1.73	3.94	1.15	2.95	0.03		3.76	0.31	3.73		4.06	0.69	
08	0.70	2.88	0.06	2.82	2.02	-0.13	2.54	1.65	0.07	2.73	3.23	1.40	08
	1.86	3.69	0.55		2.95	-0.38	4.37	0.90	1.20	3.82	3.67	0.49	
09	0.55	2.94	2.46	0.02	1.84	0.08	2.69	1.38	0.45	3.33	3.13	1.29	09
	1.62	3.58	3.01	0.30	3.22	-0.35	3.69		1.54	4.22	3.73	0.67	
10	0.49	2.99	2.20	0.13	2.07	0.44	0.45	2.36	1.17	3.73	3.27	1.22	10
	1.29		3.10	0.12	3.44	-0.31	1.36	3.64	1.91	4.17	3.56		
11	3.38	0.50	2.23	0.28	2.16	0.64	0.37	2.26	1.60	3.41	0.73	3.35	11
	2.93	0.88	3.23	0.11	3.51		1.17	3.55	1.97	3.79	1.01	3.49	
12	3.12	0.38	2.30	0.54	NR	NR	0.22	2.17	1.14	3.26	0.67	3.24	12
	3.04	0.69	3.47				0.87	3.08	1.49	3.75	0.77	3.27	
13	3.03	0.55	0.17	2.47	NR	NR	-0.16	1.98	1.13	3.86	0.62	3.31	13
	3.25	0.60	0.87	3.74			0.66	2.99	1.64	3.68	0.83	3.38	
14	2.97	0.65	0.32	2.60	NR	NR	-0.17	2.14	1.28	3.80	0.76	3.26	14
	3.43		1.10	3.93			0.72	2.87	1.82	3.35	0.57	3.06	
15	0.51	2.84	0.55	2.82	NR	NR	-0.18	2.28	1.43	3.42	0.92	3.46	15
	0.69	3.43	1.41	3.95			0.67	2.68	1.43	2.84	0.80	3.08	
16	0.35	2.74	0.49	2.70	NR	NR	-0.20	2.42	1.11	3.56	1.53	3.97	16
	0.81	3.62	1.47	3.79			0.60	2.35	0.88	2.12	0.87	2.80	
17	0.38	2.74	0.42	2.65	NR	NR	-0.28	2.30	0.52	3.14	1.07	3.49	17
	0.98	3.67	1.42	3.45			0.32	1.79	0.51	1.83	0.59	2.61	
18	0.34	2.70	0.26	2.73	NR	NR	-0.41	2.29	0.55	3.13	1.27	3.64	18
	1.13	3.74	1.58	3.30			0.15	1.50	0.09	1.63	0.45	2.44	
19	0.47	2.91	0.21	2.53	NR	NR	-0.28	2.37	0.82	3.43	1.37	3.69	19
	1.50	3.85	1.36	2.73			-0.17	1.02	0.19		0.62	2.61	
20	0.63	2.97	0.04	2.61	NR	NR	-0.18	2.60	2.22	1.32	1.56	3.43	20
	1.69	3.65	1.47	2.76			-0.14		3.48	-0.24	0.14		
21	0.38	2.61	0.57	3.86	NR	NR	1.30	0.42	1.92	0.99	2.53	1.49	21
	1.47	3.14	2.27	2.77			3.03	-0.18	3.07	-0.52	3.40	0.94	
22	0.24	2.80	0.65	3.04	NR	NR	1.46	0.72	1.87	0.62	3.54	1.98	22
	1.68	3.19	1.01				3.19	-0.28	3.21	-0.56	3.93	0.88	
23	0.47	2.86	1.93	0.38	NR	NR	1.60	0.86	2.10	0.41	3.42	1.90	23
	1.36	2.62	2.81	0.65			3.48	-0.18	3.26		3.86	1.14	
24	0.26	2.90	1.80	0.47	NR	NR	1.89	0.93	-0.49	2.34	3.51	1.72	24
	1.07		2.93	0.74			3.63	-0.11	0.33	3.38	3.96	1.26	
25	2.57	0.43	2.36	0.98	NR	NR	2.13	0.95	-0.19	2.72	4.33	2.42	25
	2.97	0.98	3.31	0.62			3.82		0.46	3.48	4.27		
26	2.75	0.64	2.20	1.07	NR	NR	0.10	2.39	0.10	2.96	1.53	3.82	26
	3.25	0.85	3.57	0.66			1.06	3.84	0.31	3.20	1.72	3.98	
27	2.78	0.70	2.43	1.30	NR	NR	0.08	2.32	-0.05	2.93	2.21	4.28	27
	3.37	0.75	3.74				0.58	3.48	0.05	2.92	2.08	3.72	
28	3.21	1.47	0.67	2.57	NR	NR	0.00	2.42	-0.02	3.15	1.77	3.95	28
	4.36	1.27	1.53	3.98			0.59	3.60	0.05	2.77	1.27	3.23	
29	2.93	0.99	0.73	2.63	NR	NR	0.05	2.57			1.46	4.22	29
	3.66		1.54	3.97			0.43	3.20			1.11	3.31	
30	0.58	2.72	0.74	2.76	NR	NR	0.01	2.89			1.45	4.22	30
	1.00	3.68	1.75	4.19			0.53	3.07			0.93	3.30	
31	0.48	2.60			NR	NR	0.17	3.17			1.63	4.26	31
	1.12	3.75					0.85	3.38			0.71	3.02	
MAXIMUM	4.36		4.19		NR		NR		4.22		4.33		MAXIMUM
MINIMUM	0.24		-0.04		NR		NR		-0.56		-0.09		MINIMUM

NR = NO RECORD

LOCATION: LAT. 38 13 33, LONG. 121 29 24, NW SEC. 1, T4N, R4E, SOUTH OF WALNUT GROVE-THORNTON HIGHWAY BRIDGE, 3.8 MILES WEST OF THORNTON. AT TIMES, TIDAL FLUCTUATION IS INFLUENCED BY OPERATION OF THE DELTA CROSS CHANNEL GATES.

PERIOD OF RECORD: AUG 1920 TO DATE

TABLE 8-12 (CONTINUED)

DAILY TIDES

894150 MOKELUMNE RIVER, SOUTH FORK, AT NEW HOPE BRIDGE
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
1	1.47	3.59	2.01	3.48	2.22	3.10	0.70	1.73	0.34	1.90	3.72	0.37	1
	0.25	2.57	0.88	3.05	1.17		0.30	3.30	1.17	3.70	2.44	1.21	
2	1.24	3.16	1.89	2.99	3.79	1.92	0.43	1.56	0.24	2.13	3.67	0.31	2
	0.04		0.72		2.71	1.12	0.53		1.38		2.57	1.13	
3	2.53	1.26	3.07	1.63	3.64	1.34	3.36	0.24	3.85	0.21	3.77	0.41	3
	3.10	0.12	2.69	0.98	2.28	1.12	1.74	0.93	2.41	1.23	2.77	1.01	
4	2.79	1.44	3.29	1.55	3.76	1.16	3.62	0.19	4.18	0.52	3.77	0.55	4
	2.98	0.20	2.33	0.72	2.50	1.66	1.99	1.21	2.83	1.59	3.00	0.99	
5	3.03	1.33	3.08	1.19	4.43	1.59	3.77	0.12	4.30	0.55	3.79	0.74	5
	2.88	0.18	2.18	0.87	3.12	2.08	2.16	1.22	2.95	1.50	3.30	1.02	
6	3.00	0.98	3.03	1.05	4.53	1.61	3.98	0.20	4.26	0.57	3.73	0.93	6
	2.83	0.31	2.35	1.12	3.29	2.23	2.47	1.55	2.94	1.21	3.67		
7	3.06	0.95	3.29	1.02	4.45	1.34	4.21	0.36	3.90	0.14	1.11	3.62	7
	2.94	0.52	2.54	1.29	3.23	2.22	2.69	1.51	2.58	0.69	1.05	3.94	
8	3.15	0.73	3.48	1.02	4.00	1.28	4.17	0.24	3.61	0.12	1.15	3.52	8
	2.87	0.51	2.73	1.52	3.24	2.26	2.72	1.42	2.82		1.20	4.07	
9	3.15	0.50	3.78	1.03	4.51	1.24	4.22	0.39	0.71	3.54	0.98	3.14	9
	2.88	0.70	2.84	1.61	3.25	2.29	2.83	1.27	0.31	3.20	1.06	4.11	
10	3.32	0.40	3.82	0.98	4.62	1.38	4.06	0.32	0.78	3.41	1.07	3.19	10
	2.95		2.83	1.64	3.58		2.88		0.08	3.51	1.34	4.15	
11	0.76	3.42	3.76	0.81	2.56	4.95	1.19	3.87	0.96	3.38	0.98	3.06	11
	0.48	3.33	2.65		1.70	3.78	0.26	3.01	0.80	3.84	1.61	4.21	
12	1.93	3.87	1.59	3.74	2.57	4.68	1.10	3.56	1.05	3.02	1.01	3.03	12
	1.23	3.13	0.79	2.80	1.29	3.46	0.27	3.19	0.87	3.97	1.77	4.18	
13	1.81	3.96	1.84	3.99	2.15	4.18	1.00	3.31	0.90	2.68	0.96	3.10	13
	1.20	3.32	1.05	3.39	1.04	3.78	0.39	3.57	0.91	3.92	1.81	3.98	
14	2.20	4.26	2.58	4.52	2.41	4.23	1.22	3.28	0.70	2.54	0.82	3.08	14
	1.34	3.73	1.56	3.44	1.28	4.01	0.78	3.90	1.11	3.95	1.62		
15	2.04	3.91	2.45	4.17	2.33	3.89	1.04	2.64	0.57	2.60	3.82	0.74	15
	0.94	2.89	1.28	3.40	1.26	4.01	0.46	3.59	1.38		3.07	1.42	
16	1.99	3.80	2.37	3.92	1.77	3.24	0.53	2.18	4.08	0.57	3.59	0.65	16
	1.00	2.90	1.31	3.48	1.01	3.99	0.55	3.79	2.72	1.45	2.98	1.18	
17	2.12	3.71	2.29	3.60	1.47	3.03	0.51	2.45	3.98	0.51	3.49	0.70	17
	1.05	3.06	1.10	3.37	1.44		1.24		2.98	1.49	3.13	1.15	
18	2.08	3.35	2.03	3.38	4.15	1.12	4.09	0.60	3.87	0.37	3.54	0.91	18
	0.74		1.41		2.67	1.34	2.57	1.43	2.73	1.17	3.31	1.23	
19	2.81	1.74	3.84	2.08	4.31	1.11	4.11	0.50	3.73	0.35	3.52	0.92	19
	3.03	0.44	3.41	1.84	2.70	1.26	2.68	1.51	2.69	1.06	3.28		
20	2.75	1.36	4.31	1.68	4.19	0.71	4.16	0.54	3.55	0.34	0.97	3.15	20
	2.85	0.54	2.66	1.09	2.77	1.60	2.80	1.54	2.85	1.07	0.72	3.16	
21	3.12	1.30	3.71	1.30	4.35	0.69	4.08	0.49	3.60	0.56	0.74	3.10	21
	3.19	0.95	2.83	1.53	2.81	1.54	2.78	1.39	3.10		0.82	3.24	
22	3.61	1.41	4.05	1.30	4.28	0.59	4.03	0.44	1.23	3.59	0.66	2.88	22
	3.28	1.00	3.02	1.69	2.95	1.65	2.83	1.35	0.65	3.04	0.74	3.18	
23	3.54	0.90	4.21	1.31	4.24	0.68	3.97	0.53	1.06	3.34	0.43	2.45	23
	2.96	0.93	3.06	1.75	3.05	1.69	2.92		0.61	3.12	0.54	3.04	
24	3.71	0.89	4.30	1.12	4.11	0.60	1.37	3.92	0.96	3.12	0.17	2.26	24
	3.45	1.57	3.06	1.82	2.80		0.52	2.95	0.57	3.09	0.65	3.12	
25	4.18	1.09	4.27	0.93	1.35	3.66	1.26	3.62	0.86	2.95	0.19	2.26	25
	3.25	1.46	3.05		0.04	2.63	0.41	3.04	0.74	3.31	0.92	3.31	
26	3.99	0.90	1.78	4.26	1.21	3.44	1.29	3.40	1.06	3.07	0.32	2.45	26
	2.96		0.96	3.33	0.07	2.78	0.54	3.25	1.14	3.66	1.25	3.50	
27	1.53	4.07	2.05	4.30	1.33	3.29	1.34	3.36	1.01	2.50	0.48	2.57	27
	0.96	2.93	0.89	3.18	0.08	2.84	0.87	3.58	0.83	3.43	1.61	3.59	
28	1.69	3.91	1.92	3.91	1.25	2.89	1.50	3.13	0.61	2.03	0.48	2.60	28
	0.85	2.92	0.68	3.10	-0.04	2.89	0.85	3.64	0.78	3.33	1.48	3.41	
29	1.81	3.87	1.92	3.67	1.17	2.61	1.27	2.67	0.34	1.87	0.31	2.68	29
	0.87	3.03	0.63	3.26	0.13	3.03	0.78	3.48	1.00	3.36	1.30	3.43	
30	2.01	3.78	2.16	3.63	0.96	2.13	0.87	2.01	0.25	2.05	0.42	2.87	30
	0.89	3.03	0.82	3.57	0.22	3.20	0.59	3.38	1.41	3.60	1.17		
31			2.29	3.39			0.50	1.70	0.28	2.32			31
			0.99	3.68			0.77	3.49	1.53				
MAXIMUM	4.26		4.52		4.95		4.22		4.30		4.21		MAXIMUM
MINIMUM	0.04		0.63		-0.04		0.12		0.08		0.17		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 13.3 - 12-25-55

ZERO OF GAGE: 1920 TO 1940 0.26 USED
1940 0.00 USCGS
1964 -0.62 USCGS
1964 TO DATE 0.00 USCGS

TABLE 8-12 (CONTINUED)

DAILY TIDES

894120 LITTLE POTATO SLOUGH AT TERMINOUS
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.74	0.16	-0.39	2.44	-0.26	2.58	NR	NR	0.36	3.60	0.14	3.52	01
	3.29		0.77	3.73	1.17	4.07			0.49	2.98	0.09	2.79	
02	0.23	2.86	-0.28	2.56	-0.20	2.81	NR	NR	0.67	3.94	0.28	3.43	02
	0.64	3.66	1.03	3.77	1.31	3.98			0.42	2.48	-0.27	2.18	
03	0.24	2.91	-0.37	2.46	-0.07	3.00	-0.91	2.48	0.47	3.76	0.07	3.16	03
	0.71	3.56	0.93	3.58	1.29	3.96	-0.33	1.79	0.11		-0.48	2.10	
04	0.00	2.71	-0.51	2.39	0.38	3.44	-0.85	2.83	2.58	1.39	0.69	3.51	04
	0.74	3.64	0.92	3.43	1.49	3.66	-0.42	1.50	4.11	0.12	-0.18		
05	-0.05	2.59	-0.50	2.52	-0.06	3.06	-0.68	2.86	2.27	0.89	2.46	1.12	05
	0.88	3.66	0.92	3.21	0.72	2.60	-0.66		3.58	-0.33	3.60	-0.16	
06	-0.18	2.44	-0.59	2.54	-0.51	2.90	1.44	-0.16	2.10	0.82	2.60	1.38	06
	0.99	3.56	0.72	2.76	0.21	2.03	3.44	-0.39	3.40	-0.38	3.57	-0.21	
07	-0.33	2.49	-0.66	2.84	-0.46	3.04	1.96	0.46	2.39	1.03	2.61	1.29	07
	1.31	3.81	0.73	2.81	-0.08		3.61	-0.38	3.67	-0.17	3.96	0.49	
08	-0.06	2.69	-0.51	2.69	1.98	-0.20	2.33	1.22	2.63	1.07	3.13	1.27	08
	1.35	3.54	0.08		2.98	-0.49	4.17	0.10	3.74	0.13	3.59	0.17	
09	-0.22	2.74	2.30	-0.51	1.80	0.06	2.45	0.77	3.22	1.33	2.93	0.99	09
	1.14	3.40	2.86	-0.23	3.26	-0.47	3.49	-0.63	4.12	0.84	3.51	0.12	
10	-0.29	2.79	2.12	-0.38	2.04	0.39	2.04	0.62	3.53	1.39	3.06	0.83	10
	0.74		2.94	-0.47	3.51	-0.43	3.40		3.88		3.40	0.29	
11	3.19	-0.26	2.06	-0.21	2.14	0.61	-0.73	1.95	0.36	2.97	3.18	0.74	11
	2.78	0.28	3.07	-0.52	3.24		0.47	3.33	0.97	3.50	3.36	0.35	
12	2.96	-0.37	2.13	0.05	-0.74	1.84	-0.77	1.91	0.18	2.99	3.10	0.53	12
	2.83	0.01	3.32	-0.52	0.63	3.65	0.23	2.86	0.88	3.53	3.13		
13	2.82	-0.17	2.30	0.39	-0.58	2.23	-1.08	1.74	0.52	3.60	0.34	3.18	13
	3.06	-0.13	3.59		1.11	4.37	0.08	2.80	1.25	3.50	0.63	3.24	
14	2.77	-0.01	-0.38	2.44	0.09	2.64	-0.96	1.95	0.72	3.53	0.52	3.13	14
	3.22	-0.21	0.64	3.78	0.95	3.92	0.22	2.69	1.04	3.01	0.26	2.84	
15	2.65	0.05	-0.16	2.63	-0.29	2.41	-0.91	2.10	0.47	3.12	0.50	3.23	15
	3.24		0.95	3.80	0.76	3.81	0.20	2.52	0.66	2.55	0.22	2.85	
16	-0.39	2.54	-0.31	2.51	-0.56	2.28	-0.85	2.25	0.50	3.36	1.18	3.79	16
	0.23	3.44	0.99	3.64	0.56	3.63	0.15	2.18	0.53	1.91	0.42	2.60	
17	-0.37	2.54	-0.39	2.46	-0.63	1.97	-0.90	2.14	0.29	3.01	0.72	3.28	17
	0.43	3.50	0.92	3.27	-0.02	2.89	-0.14	1.61	0.28	1.65	-0.01	2.38	
18	-0.42	2.50	-0.58	2.53	-0.93	2.29	-0.97	2.14	0.40	2.99	0.94	3.42	18
	0.63	3.58	1.12	3.13	0.21	2.96	-0.33	1.33	-0.11	1.48	0.02	2.25	
19	-0.26	2.75	-0.59	2.34	NR	NR	-0.77	2.23	0.73	3.29	1.14	3.53	19
	1.04	3.71	0.89	2.54			-0.67	0.86	-0.07		0.23	2.46	
20	-0.07	2.79	-0.78	2.43	NR	NR	-0.60	2.47	2.07	1.26	1.39	3.30	20
	1.28	3.50	0.99	2.57			-0.66		3.41	-0.44	-0.24		
21	-0.31	2.50	-0.21	3.66	NR	NR	1.14	0.09	1.81	0.92	2.36	1.31	21
	1.07	3.01	1.77	2.53			2.89	-0.74	3.14	-0.76	3.21	0.58	
22	-0.47	2.64	-0.12	2.85	NR	NR	1.30	0.40	1.70	0.53	3.38	1.74	22
	1.28	3.02	0.30	1.62			3.06	-0.92	3.10	-0.83	3.76	0.31	
23	-0.24	2.68	-0.43	2.59	NR	NR	1.44	0.56	1.97	0.28	3.13	1.25	23
	0.89	2.44	-0.21				3.34	-0.82	3.19	-0.73	3.55	0.13	
24	-0.46	2.61	1.45	-0.35	NR	NR	1.75	0.60	2.23	0.19	NR	NR	24
	0.54		2.67	-0.12			3.51	-0.75	3.35	-0.41			
25	2.39	-0.23	2.04	0.21	NR	NR	1.99	0.60	2.64	0.32	NR	NR	25
	2.80	0.45	3.10	-0.33			3.68	-0.56	3.47				
26	2.59	0.10	1.89	0.34	NR	NR	2.24	0.69	-0.09	2.90	NR	NR	26
	3.09	0.34	3.33	-0.34			3.76		0.15	3.17			
27	2.61	0.18	2.12	0.58	NR	NR	-0.55	2.17	-0.22	2.88	NR	NR	27
	3.20	0.20	3.52	-0.36			0.23	3.59	-0.11	2.88			
28	3.01	1.00	2.28	0.82	NR	NR	-0.58	2.26	-0.19	3.13	NR	NR	28
	4.21	0.72	3.77				0.14	3.48	-0.11	2.73			
29	2.77	0.51	-0.35	2.32	NR	NR	-0.55	2.42			NR	NR	29
	3.51	-0.06	0.80	3.76			0.00	3.06					
30	2.55	0.53	-0.35	2.47	NR	NR	-0.54	2.74			NR	NR	30
	3.49		1.03	3.98			0.07	2.93					
31	-0.30	2.40			NR	NR	-0.37	2.99			NR	NR	31
	0.61	3.58					0.25	3.18					
MAXIMUM	4.21		3.98		NR		NR		4.12		NR		MAXIMUM
MINIMUM	-0.47		-0.78		NR		NR		-0.83		NR		MINIMUM

NR = NO RECORD

LOCATION: LAT. 38 06 53, LONG. 121 29 47, NE SEC 14, T3N, R4E, AT STATE HIGHWAY 12 AT TERMINOUS. STATION DISCONTINUED AUGUST 4, 1969, AND REACTIVATED MARCH 1, 1972.

PERIOD OF RECORD: FEB 1968 TO AUG 1969
MAR 1972 TO DATE

TABLE 8-12 (CONTINUED)

DAILY TIDES

894120 LITTLE POTATO SLOUGH AT TERMINOUS
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	NR	NR	1.15	3.12	1.56	2.79	0.20	1.57	-0.26	1.77	3.56	-0.42	01
			-0.44	2.61	0.24		-0.14	3.14	0.86	3.59	2.25	0.71	
02	NR	NR	0.98	2.53	3.55	1.13	-0.11	1.40	-0.40	1.98	3.51	-0.47	02
			-0.62		2.37	0.24	0.19		1.06		2.37	0.60	
03	NR	NR	2.66	0.65	3.39	0.48	3.23	-0.30	3.73	-0.45	3.60	-0.37	03
			2.20	-0.26	1.98	0.38	1.56	0.65	2.24	1.19	2.57	0.42	
04	2.61	1.25	2.93	0.52	3.55	0.28	3.48	-0.39	4.06	-0.13	3.59	-0.25	04
	2.83	-0.17	1.77	-0.61	2.22	1.04	1.86	0.96	2.68	1.25	2.79	0.37	
05	2.87	1.10	2.66	-0.03	4.25	0.69	3.66	-0.49	4.17	-0.12	3.61	-0.01	05
	2.72	-0.18	1.60	-0.42	2.86	1.44	2.01	0.96	2.76	1.07	3.09	0.39	
06	2.80	0.66	2.56	-0.28	4.32	0.64	3.89	-0.41	4.12	-0.14	3.56	0.23	06
	2.65	-0.19	1.75	-0.12	3.02	1.52	2.33	1.27	2.75	0.72	3.47		
07	2.84	0.47	2.85	-0.36	4.22	0.22	4.09	-0.25	3.75	-0.56	0.45	3.44	07
	2.70	-0.04	2.00	0.13	2.90	1.50	2.53	1.18	2.41	0.18	0.38	3.74	
08	2.93	0.23	3.08	-0.33	4.39	0.10	4.06	-0.37	3.45	-0.57	0.47	3.34	08
	2.66	0.05	2.27	0.54	2.93	1.51	2.55	1.07	2.66		0.56	3.90	
09	2.95	0.05	3.42	-0.26	4.30	0.03	4.10	-0.26	0.17	3.37	0.29	2.96	09
	2.69	0.33	2.40	0.63	2.95	1.56	2.67	0.89	-0.34	3.02	0.48	3.95	
10	3.11	-0.05	3.48	-0.35	4.42	0.21	3.94	-0.30	0.22	3.24	0.42	2.99	10
	2.75	0.42	2.38	0.63	3.29	1.84	2.72		-0.15	3.34	0.84	4.02	
11	3.23	-0.07	3.40	-0.62	4.75	0.61	0.80	3.73	0.39	3.19	0.30	2.87	11
	2.83	0.76	2.15	0.52	3.49		-0.34	2.84	0.25	3.70	1.13	4.06	
12	3.49	-0.16	3.38	-0.69	1.84	4.48	0.68	3.41	0.50	2.86	0.32	2.83	12
	2.67	0.79	2.31		0.17	3.19	-0.34	3.02	0.39	3.82	1.32	4.02	
13	3.60	-0.07	0.86	3.65	1.43	3.97	0.54	3.15	0.32	2.51	0.24	2.91	13
	2.88		-0.37	2.95	0.00	3.50	-0.21	3.42	0.45	3.79	1.37	3.83	
14	1.26	3.95	1.66	4.17	1.78	4.03	0.73	3.13	0.10	2.36	0.11	2.89	14
	0.10	2.94	0.15	2.95	0.38	3.82	0.22	3.72	0.69	3.82	1.11		
15	1.16	3.59	1.45	3.78	1.67	3.66	0.46	2.46	-0.04	2.44	3.64	-0.02	15
	-0.42	2.46	-0.18	2.91	0.45	3.80	-0.10	3.45	1.00		2.82	0.92	
16	1.14	3.49	1.38	3.51	1.07	3.00	-0.07	2.01	3.95	-0.07	3.42	-0.07	16
	-0.35	2.44	-0.22	2.98	0.23	3.79	0.07	3.64	2.57	1.05	2.79	0.63	
17	1.26	3.38	1.21	3.11	0.68	2.75	-0.13	2.27	3.83	-0.18	3.31	0.02	17
	-0.29	2.59	-0.48	2.87	0.73		0.81		2.78	1.05	2.92	0.58	
18	1.21	2.97	0.90	2.90	3.96	0.25	3.94	-0.13	3.72	-0.31	3.34	0.26	18
	-0.60		0.02		2.41	0.70	2.37	0.98	2.55	0.71	3.11	0.66	
19	2.38	0.89	3.37	0.86	4.15	0.25	3.99	-0.22	3.56	-0.36	3.30	0.27	19
	2.66	-0.97	2.88	0.58	2.45	0.62	2.50	1.04	2.52	0.59	3.08	0.37	
20	2.36	0.44	3.93	0.52	4.01	-0.22	4.02	-0.20	3.39	-0.35	2.95	0.08	20
	2.52	-0.67	2.19	-0.33	2.54	1.07	2.61	1.09	2.66	0.56	2.96		
21	2.75	0.35	3.26	-0.23	4.16	-0.19	3.94	-0.24	3.45	-0.13	0.12	2.90	21
	2.84	-0.15	2.26	0.21	2.60	1.04	2.61	0.96	2.92	0.71	0.23	3.05	
22	3.23	0.40	3.62	-0.13	4.12	-0.26	3.90	-0.27	3.42	-0.06	0.04	2.67	22
	2.91	-0.08	2.48	0.50	2.74	1.14	2.66	0.91	2.85		0.22	3.00	
23	3.19	-0.19	3.84	-0.10	4.07	-0.19	3.85	-0.20	0.50	3.15	-0.21	2.27	23
	2.59	-0.05	2.59	0.70	2.86	1.22	2.74	0.91	-0.08	2.91	0.04	2.85	
24	3.40	-0.22	3.96	-0.22	3.96	-0.20	3.77	-0.17	0.36	2.93	-0.47	2.08	24
	3.05	0.65	2.67	0.95	2.62		2.77		-0.11	2.90	0.18	2.95	
25	3.89	-0.03	4.04	-0.28	0.87	3.51	0.79	3.48	0.25	2.76	-0.45	2.09	25
	2.88	0.53	2.71	0.98	-0.75	2.44	-0.27	2.88	0.16	3.13	0.49	3.16	
26	3.66	-0.43	4.01	-0.20	0.75	3.28	0.84	3.35	0.51	2.88	-0.28	2.30	26
	2.51	0.50	2.99		-0.71	2.59	-0.08	3.09	0.60	3.47	0.88	3.36	
27	3.70	-0.48	1.32	4.07	0.87	3.13	0.88	3.21	0.41	2.30	-0.10	2.42	27
	2.45		-0.23	2.87	-0.69	2.65	0.31	3.42	0.30	3.22	1.27	3.45	
28	0.61	3.54	1.23	3.72	0.80	2.74	1.04	2.99	0.01	1.87	-0.14	2.46	28
	-0.62	2.45	-0.41	2.82	-0.69	2.72	0.33	3.49	0.34	3.16	1.11	3.26	
29	0.83	3.51	1.21	3.44	0.76	2.46	0.77	2.48	-0.32	1.69	-0.32	2.54	29
	-0.55	2.57	-0.54	2.96	-0.46	2.86	0.28	3.33	0.60	3.19	0.92	3.29	
30	1.08	3.41	1.52	3.40	0.50	1.94	0.36	1.86	-0.46	1.86	-0.19	2.71	30
	-0.51	2.60	-0.23	3.33	-0.29	3.04	0.18	3.24	1.05	3.45	0.75		
31			1.66	3.13			-0.04	1.57	-0.48	2.12			31
			0.03	3.43			0.41	3.37	1.11				
MAXIMUM	NR		4.17		4.75		4.10		4.17		4.06		MAXIMUM
MINIMUM	NR		-0.69		-0.75		-0.49		-0.57		-0.47		MINIMUM

NR = NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 6.04 - 2-15-69

ZERO OF GAGE: 1968 TO 1969 -0.11 USCGS
1972 TO DATE 0.00 USCGS

TABLE 8-12 (CONTINUED)

DAILY TIDES

894100 GEORGIANA SLOUGH AT MOKELUMNE RIVER
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.62	0.26	-0.27	2.34	-0.13	2.46	-0.79	2.19	0.55	3.63	NR	NR	01
	3.13		0.84	3.59	1.26	3.97	0.31	2.85	0.66	2.97			
02	0.34	2.74	-0.20	2.44	-0.06	2.71	-0.60	2.42	0.75	3.87	NR	NR	02
	0.67	3.52	1.10	3.66	1.40	3.90	0.15	2.28	0.53	2.39			
03	0.35	2.79	-0.27	2.34	0.10	2.95	-0.77	2.36	0.57	3.67	NR	NR	03
	0.80	3.45	1.01	3.48	1.44	3.92	-0.24	1.70	0.22				
04	0.11	2.60	-0.40	2.28	0.48	3.31	-0.72	2.73	2.51	1.46	0.77	3.40	04
	0.82	3.53	0.99	3.31	1.56	3.56	-0.33	1.40	4.02	0.21	-0.13		
05	0.03	2.47	-0.40	2.41	0.04	2.95	-0.58	2.78	2.17	0.96	2.38	1.19	05
	0.94	3.55	0.97	3.10	0.80	2.47	-0.54		3.50	-0.24	3.50	-0.04	
06	-0.08	2.33	-0.48	2.42	-0.41	2.79	1.38	-0.05	2.00	0.88	2.52	1.46	06
	1.05	3.45	0.79	2.66	0.29	1.92	3.37	-0.20	3.31	-0.28	3.52	-0.07	
07	-0.25	2.38	-0.56	2.73	-0.38	2.93	1.87	0.55	2.28	1.13	2.58	1.45	07
	1.35	3.67	0.80	2.69	0.01		3.51	-0.26	3.58	-0.07	3.89	0.61	
08	-0.01	2.58	-0.43	2.57	1.87	-0.11	2.22	1.25	2.53	1.16	3.04	1.36	08
	1.36	3.41	0.15		2.88	-0.37	4.07	0.16	3.66	0.24	3.47	0.26	
09	-0.14	2.61	2.19	-0.43	1.69	0.13	2.34	0.83	3.13	1.41	2.82	1.00	09
	1.18	3.27	2.74	-0.13	3.16	-0.37	3.36	-0.48	4.04	0.92	3.38	0.23	
10	-0.18	2.68	2.02	-0.28	1.93	0.47	1.96	0.72	3.42	1.49	2.95	0.93	10
	0.82		2.82	-0.37	3.40	-0.31	3.29	-0.60	3.76		3.27	0.40	
11	3.11	-0.15	1.96	-0.13	2.04	0.69	1.84	0.57	0.49	2.85	3.07	0.81	11
	2.66	0.38	2.95	-0.42	3.47	-0.38	3.22		1.06	3.37	3.22	0.46	
12	2.82	-0.26	2.02	0.14	2.07	0.80	-0.64	1.80	0.30	2.86	2.99	0.61	12
	2.71	0.09	3.20	-0.42	3.54		0.32	2.76	0.98	3.41	3.02		
13	2.70	-0.07	2.19	0.49	-0.32	2.11	-0.95	1.63	0.69	3.55	NR	NR	13
	2.94	-0.01	3.47		0.75	3.28	0.17	2.69	1.33	3.37			
14	2.65	0.09	-0.27	2.33	-0.66	1.93	-0.84	1.84	0.77	3.37	NR	NR	14
	3.13	-0.11	0.74	3.67	0.63	3.17	0.30	2.58	1.06	2.88			
15	2.53	0.15	-0.04	2.53	-0.68	1.92	-0.79	2.00	0.52	2.98	NR	NR	15
	3.12		1.02	3.69	0.61	2.94	0.29	2.43	0.73	2.44			
16	-0.27	2.42	-0.18	2.40	-0.82	1.86	-0.73	2.15	0.57	3.21	NR	NR	16
	0.31	3.32	1.06	3.53	0.62	2.76	0.23	2.19	0.55	1.79			
17	-0.25	2.43	-0.28	2.35	-0.70	2.08	-0.78	2.04	0.30	2.87	NR	NR	17
	0.50	3.38	0.98	3.17	0.67	2.75	-0.06	1.54	0.29	1.56			
18	-0.30	2.39	-0.46	2.43	-0.64	2.26	-0.87	2.04	0.41	2.99	NR	NR	18
	0.71	3.47	1.17	3.02	0.70	2.22	-0.24	1.26	-0.05	1.39			
19	-0.15	2.63	-0.49	2.24	-0.82	2.18	-0.68	2.13	NR	NR	NR	NR	19
	1.13	3.60	0.94	2.45	0.47	1.72	-0.59	0.78					
20	0.04	2.67	-0.68	2.32	-0.89	2.13	-0.53	2.37	NR	NR	NR	NR	20
	1.35	3.40	1.04	2.46	0.15	1.21	-0.58	1.06					
21	-0.22	2.39	-0.08	3.56	-0.80	2.36	0.15	2.81	NR	NR	NR	NR	21
	1.12	2.90	1.80	2.41	0.15	1.19	-0.67						
22	-0.38	2.54	-0.04	2.74	-0.51	2.37	1.22	0.48	NR	NR	NR	NR	22
	1.32	2.49	0.37	1.53	-0.40	0.88	2.97	-0.82					
23	-0.15	2.57	-0.35	2.47	-0.35	2.37	1.35	0.63	NR	NR	NR	NR	23
	0.92	2.34	-0.12		-0.78		3.25	-0.71					
24	-0.37	2.50	1.37	-0.29	0.90	-0.09	1.65	0.69	NR	NR	NR	NR	24
	0.60		2.55	-0.05	2.72	-0.82	3.41	-0.62					
25	2.30	-0.13	1.94	0.29	1.26	0.29	1.88	0.70	NR	NR	NR	NR	25
	2.68	0.52	2.99	-0.24	3.15	-0.64	3.59	-0.44					
26	2.37	0.16	1.79	0.41	1.75	0.72	2.16	0.77	NR	NR	NR	NR	26
	2.96	0.41	3.23	-0.23	3.56	-0.44	3.66						
27	2.51	0.27	2.03	0.64	2.16	1.27	-0.44	2.04	NR	NR	NR	NR	27
	3.09	0.31	3.41	-0.27	4.36	0.28	0.28	3.36					
28	2.89	1.07	2.17	0.91	2.55	1.01	-0.48	2.17	NR	NR	NR	NR	28
	4.07	0.82	3.67		3.78		0.27	3.34					
29	2.68	0.59	-0.22	2.21	-0.22	2.25	-0.42	2.31			NR	NR	29
	3.40	0.06	0.88	3.65	0.86	3.71	0.09	2.95					
30	2.45	0.62	-0.22	2.36	-0.41	2.18	-0.42	2.63			NR	NR	30
	3.37		1.13	3.87	0.04	3.49	0.14	2.83					
31	-0.19	2.31			-0.57	1.83	-0.23	2.98			NR	NR	31
	0.69	3.47			0.06	2.75	0.50	3.10					
MAXIMUM	4.07		3.87		4.36		4.07		NR		NR		MAXIMUM
MINIMUM	-0.38		-0.68		-0.89		-0.95		NR		NR		MINIMUM

NR = NO RECORD

LOCATION: LAT. 38 07 48, LONG. 121 34 46, NW SEC. 7, T3N, R4E, ON ANDRUS ISLAND, 2.8 MILES SOUTHEAST OF ISLETON. DISCONTINUED OCTOBER 1966 AND REACTIVATED JULY 1972.

PERIOD OF RECORD: JUNE 1929 TO OCT 1966
JULY 1972 TO DATE

TABLE 8-12 (CONTINUED)

DAILY TIDES

894100 GEORGIANA SLOUGH AT MOKELUMNE RIVER
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	NR	NR	1.21	3.01	1.55	2.64	0.26	1.47	-0.10	1.67	3.42	-0.29	01
			-0.40	2.51	0.21	3.38	-0.11	3.05	0.92	3.51	2.10	0.83	
02	NR	NR	1.06	2.46	1.12	2.24	-0.03	1.27	-0.29	1.89	3.26	-0.34	02
			-0.57		0.29		0.22	3.15	1.13		2.23	0.73	
03	1.11	2.79	2.53	0.74	3.29	0.54	-0.24	1.44	3.65	-0.35	3.45	-0.25	03
	-0.22		2.11	-0.27	1.87	0.43	0.67		2.15	1.26	2.46	0.52	
04	2.53	1.31	2.80	0.58	3.43	0.36	3.37	-0.31	3.97	-0.03	3.48	-0.12	04
	2.71	-0.07	1.69	-0.55	2.13	1.05	1.75	0.97	2.50	1.31	2.68	0.46	
05	2.77	1.18	2.53	0.04	4.13	0.76	3.56	-0.38	4.08	-0.02	3.50	0.11	05
	2.62	-0.09	1.50	-0.34	2.69	1.46	1.69	1.02	2.64	1.17	2.95	0.48	
06	2.71	0.73	2.48	-0.19	4.19	0.68	3.77	-0.31	4.03	-0.07	3.43	0.32	06
	2.54	-0.11	1.05	-0.08	2.85	1.58	2.20	1.30	2.01	0.83	3.31		
07	2.73	0.55	2.74	-0.25	4.10	0.32	3.96	-0.18	3.64	-0.44	0.55	3.32	07
	2.60	0.08	1.89	0.23	2.77	1.56	2.40	1.23	2.31	0.29	0.46	3.62	
08	2.83	0.34	2.97	-0.23	4.28	0.19	3.97	-0.27	3.35	-0.44	0.57	3.21	08
	2.55	0.14	2.14	0.53	2.80	1.57	2.41	1.14	2.45		0.66	3.80	
09	2.82	0.14	3.30	-0.15	4.18	0.14	4.01	-0.15	0.29	3.20	0.43	2.85	09
	2.55	0.43	2.26	0.68	2.82	1.60	2.55	0.98	-0.20	2.84	0.56	3.82	
10	3.01	0.05	3.35	-0.29	4.29	0.32	3.84	-0.20	0.33	3.12	0.53	2.86	10
	2.62	0.51	2.23	0.67	3.16	1.91	2.60		-0.02	3.15	0.90	3.90	
11	3.13	0.01	3.29	-0.51	4.60	0.63	0.89	3.03	0.50	3.07	0.38	2.74	11
	2.66	0.65	2.03	0.60	3.33		-0.25	2.73	0.34	3.58	1.19	3.96	
12	3.37	-0.05	3.27	-0.55	1.89	4.33	0.77	3.30	0.57	2.74	0.40	2.72	12
	2.54	0.67	2.21	0.95	0.28	3.06	-0.27	2.92	0.42	3.69	1.30	3.92	
13	3.49	0.02	3.54	-0.29	1.51	3.80	0.63	3.04	0.39	2.41	0.31	2.81	13
	2.75		2.74		0.08	3.33	-0.12	3.30	0.49	3.67	1.38		
14	1.32	3.83	1.71	4.05	1.81	3.69	0.82	3.01	0.19	2.21	3.53	0.17	14
	0.16	2.74	0.13	2.80	0.41	3.67	0.25	3.01	0.76	3.89	2.75	1.17	
15	1.25	3.51	1.49	3.65	1.88	3.52	0.52	2.36	0.05	2.30	3.52	0.06	15
	-0.24	2.37	-0.13	2.78	0.45	3.68	-0.02	3.33	1.07		2.71	0.96	
16	1.22	3.39	1.41	3.38	1.14	2.86	0.02	1.91	3.80	0.03	3.32	0.04	16
	-0.26	2.36	-0.16	2.85	0.23	3.69	0.13	3.55	2.39	1.10	2.68	0.71	
17	1.33	3.27	1.29	3.02	0.74	2.59	-0.03	2.14	3.66	-0.06	3.20	0.11	17
	-0.24	2.50	-0.37	2.70	0.74		0.83		2.55	1.11	2.80	0.66	
18	1.29	2.88	0.99	2.78	3.85	0.35	3.64	-0.03	3.54	-0.18	3.24	0.32	18
	-0.54	2.28	0.03		2.31	0.73	2.24	1.03	2.39	0.81	2.96	0.69	
19	0.96	2.56	3.26	0.90	4.04	0.33	3.89	-0.12	3.39	-0.23	3.17	0.34	19
	-0.77		2.74	0.54	2.34	0.68	2.36	1.15	2.17	0.68	2.94	0.47	
20	2.24	0.52	3.78	0.52	3.90	-0.09	3.91	-0.13	3.28	-0.25	2.86	0.18	20
	2.42	-0.57	2.03	-0.21	2.39	1.09	2.47	1.16	2.53	0.66	2.85	0.24	
21	2.65	0.44	3.14	-0.11	4.06	-0.08	3.85	-0.13	3.34	-0.02	2.80	0.33	21
	2.71	-0.07	2.12	0.33	2.48	1.12	2.49	1.04	2.80	0.79	2.94		
22	3.13	0.44	3.51	0.00	4.02	-0.15	3.80	-0.14	3.32	0.06	0.14	2.56	22
	2.78	0.05	2.36	0.58	2.60	1.23	2.54	0.99	2.74		0.29	2.69	
23	3.10	-0.06	3.72	0.03	3.96	-0.11	3.73	-0.08	0.60	3.06	-0.09	2.17	23
	2.47	0.06	2.48	0.79	2.71	1.28	2.62	1.00	0.03	2.80	0.13	2.75	
24	3.29	-0.08	3.86	-0.09	3.85	-0.11	3.67	-0.05	0.46	2.83	-0.37	1.98	24
	2.90	0.74	2.55	1.03	2.50	0.94	2.66		0.00	2.78	0.25	2.85	
25	3.78	0.08	3.91	-0.18	3.39	-0.63	0.86	3.38	0.34	2.05	-0.36	1.98	25
	2.78	0.64	2.59	1.07	2.31		-0.15	2.77	0.25	2.99	0.57	3.07	
26	3.54	-0.33	3.90	-0.10	0.83	3.17	0.93	3.25	0.57	2.72	-0.16	2.20	26
	2.38	0.58	2.84		-0.60	2.47	0.02	2.97	0.60	3.32	0.96	3.27	
27	3.57	-0.36	1.41	3.96	0.93	3.01	0.95	3.11	0.49	2.19	-0.02	2.32	27
	2.32		-0.13	2.76	-0.57	2.52	0.37	3.32	0.36	3.09	1.28	3.33	
28	0.71	3.42	1.30	3.60	0.84	2.62	1.11	2.88	0.08	1.76	-0.07	2.35	28
	-0.51	2.33	-0.34	2.70	-0.59	2.01	0.39	3.38	0.41	3.02	1.18	3.15	
29	0.91	3.40	1.28	3.31	0.81	2.35	0.85	2.39	-0.23	1.58	-0.21	2.43	29
	-0.44	2.45	-0.43	2.84	-0.42	2.74	0.32	3.24	0.65	3.10	0.98	3.19	
30	1.16	3.30	1.59	3.30	0.56	1.83	0.42	1.77	-0.36	1.73	-0.12	2.60	30
	-0.39	2.50	-0.14	3.20	-0.27	2.94	0.24	3.15	1.09	3.33	0.81		
31			1.72	3.02			0.03	1.48	-0.36	2.00			31
			0.04	3.28			0.48	3.27	1.19				
MAXIMUM	NR		4.05		4.60		4.01		4.08		3.96		MAXIMUM
MINIMUM	NR		-0.57		-0.03		-0.38		-0.44		-0.37		MINIMUM

NR = NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 7.1 - 12-16-55

ZERO OF GAGE: 1929 TO 1940 0.00 USED
1940 0.00 USCGS
1964 -0.71 USCGS
1964 TO 1966 0.00 USCGS
1972 TO DATE 0.00 USCGS

TABLE 8-12 (CONTINUED)

DAILY TIDES

R95100 SAN JOAQUIN RIVER AT SAN ANDREAS LANDING
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.73 3.24	0.42 0.39	NR	NR	NR	NR	-0.76 0.48	2.28 2.94	NR	NR	0.35 0.33	3.59 2.78	01
02	2.87 3.60	0.84	NR	NR	NR	NR	NR	NR	NR	NR	0.54 -0.03	3.45 2.17	02
03	0.49 0.97	2.92 3.56	NR	NR	0.00 1.60	3.09 4.01	NR	NR	NR	NR	0.35 -0.28	3.10 2.09	03
04	0.22 0.99	2.73 3.65	NR	NR	0.00 1.74	3.44 3.69	NR	NR	2.82 4.14	1.84 0.32	0.95 -0.03	3.50 2.49	04
05	0.15 1.16	2.81 3.67	NR	NR	0.15 0.97	3.08 2.60	NR	NR	2.27 3.59	1.14 -0.15	1.38 0.05	3.61	05
06	0.05 1.28	2.48 3.59	NR	NR	-0.31 0.48	2.90 2.04	NR	NR	2.10 3.42	1.07 -0.17	2.83 3.61	1.66 -0.11	06
07	-0.11 1.56	2.53 3.81	NR	NR	-0.24 0.17	3.05	NR	NR	2.38 3.88	1.31 0.05	2.49 3.81	1.40 0.56	07
08	NR	NR	NR	NR	1.98 3.02	0.04 -0.26	NR	NR	2.63 3.75	1.35 0.32	2.99 3.39	1.36 0.16	08
09	NR	NR	NR	NR	1.81 3.28	0.31 -0.25	NR	NR	3.22 4.11	1.58 1.02	2.71 3.25	0.92 0.08	09
10	NR	NR	NR	NR	2.06 3.54	0.66 -0.20	NR	NR	3.52 3.85	1.81 0.45	2.85 3.17	0.84 0.27	10
11	NR	NR	NR	NR	2.15 3.60	0.88 -0.27	NR	NR	2.95 3.47	1.10	2.97 3.11	0.73 0.32	11
12	NR	NR	NR	NR	2.19 3.66	1.01 -0.19	NR	NR	0.28 1.04	2.95 3.50	2.84 2.90	0.51 0.28	12
13	NR	NR	NR	NR	2.24 3.42	0.96	NR	NR	0.88 1.42	3.63 3.46	2.96 3.05	0.52 0.48	13
14	NR	NR	NR	NR	-0.55 0.81	2.05 3.31	NR	NR	0.80 1.08	3.48 2.95	2.89 2.63	0.20	14
15	NR	NR	NR	NR	-0.57 0.82	2.04 3.08	NR	NR	0.50 0.74	3.10 2.53	0.44 0.12	2.98 2.60	15
16	NR	NR	NR	NR	-0.71 0.78	2.00 2.86	NR	NR	0.58 0.82	3.30 1.89	3.57 2.37	0.28	16
17	NR	NR	NR	NR	-0.63 0.85	2.18 2.85	NR	NR	0.41 0.38	2.96 1.66	0.70 -0.08	3.05 2.17	17
18	NR	NR	NR	NR	-0.55 0.89	2.35 2.35	NR	NR	0.58 0.05	2.98 1.50	0.94 -0.08	3.22 2.05	18
19	NR	NR	NR	NR	-0.73 0.66	2.28 1.83	NR	NR	0.93 0.08	3.32	1.17 0.14	3.33 2.24	19
20	NR	NR	NR	NR	-0.76 0.33	2.22 1.33	NR	NR	2.09 3.42	1.44 -0.29	1.38 -0.31	3.09	20
21	NR	NR	NR	NR	-0.67 0.34	2.45 1.32	NR	NR	1.78 3.12	1.11 -0.63	2.17 3.07	1.32 0.40	21
22	NR	NR	NR	NR	-0.38 -0.24	2.51 1.01	NR	NR	1.88 3.10	0.75 -0.67	NR	NR	22
23	NR	NR	NR	NR	-0.16 -0.64	2.52	NR	NR	1.95 3.18	0.51 -0.58	NR	NR	23
24	NR	NR	NR	NR	1.04 2.82	0.12 -0.70	NR	NR	2.21 3.34	0.42 -0.22	NR	NR	24
25	NR	NR	NR	NR	1.38 3.25	0.48 -0.53	NR	NR	2.62 3.46	0.55 0.10	NR	NR	25
26	NR	NR	NR	NR	1.87 3.65	0.95 -0.39	NR	NR	2.88 3.18	0.38	NR	NR	26
27	NR	NR	NR	NR	2.28 4.45	1.45 0.38	NR	NR	-0.02 0.11	2.87 2.87	NR	NR	27
28	NR	NR	NR	NR	2.65 3.88	1.22 -0.12	NR	NR	0.05 0.11	3.13 2.72	NR	NR	28
29	NR	NR	NR	NR	2.37 3.80	1.00	NR	NR			NR	NR	29
30	NR	NR	NR	NR	-0.39 0.78	2.27 3.59	NR	NR			NR	NR	30
31	NR	NR			-0.50 0.20	1.95 2.85	NR	NR			NR	NR	31
MAXIMUM	NR		NR		NR		NR		NR		NR		MAXIMUM
MINIMUM	NR		NR		NR		NR		NR		NR		MINIMUM

NR = NO RECORD

LOCATION: LAT. 38 06 12, LONG. 121 35 26, SE SEC 13, T3N, R3E, APPROXIMATELY 1.2 MILES BELOW MOKELUMNE RIVER.

PERIOD OF RECORD: MAY 1952 TO DATE

TABLE A-12 (CONTINUED)

DAILY TIDES

A95100 SAN JOAQUIN RIVER AT SAN ANDREAS LANDING
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	NR	NR	1.37	3.12	1.72	2.77	0.45	1.60	-0.01	1.82	-0.24	2.25	01
			-0.38	2.62	0.34	3.48	0.07	3.15	1.15	3.62	0.99		
02	NR	NR	1.20	2.55	1.29	2.34	0.15	1.41	-0.18	2.02	3.50	-0.26	02
			-0.54	2.62	0.40		0.42	3.26	1.37		2.37	0.87	
03	NR	NR	0.88	2.21	3.39	0.67	-0.08	1.57	3.76	-0.23	3.60	-0.18	03
			-0.24		1.99	0.59	0.88		2.27	1.50	2.56	0.66	
04	NR	NR	2.90	0.69	3.54	0.48	3.53	-0.17	4.08	0.08	3.57	-0.06	04
			1.80	-0.51	2.25	1.22	1.87	1.19	2.68	1.47	2.77	0.57	
05	NR	NR	2.62	0.12	4.24	0.86	3.66	-0.30	4.18	0.07	3.58	0.19	05
			1.60	-0.29	2.84	1.62	2.01	1.20	2.74	1.36	3.07	0.58	
06	NR	NR	2.56	-0.14	4.28	0.75	3.90	-0.21	4.13	0.02	3.52	0.41	06
			1.74	0.00	2.99	1.72	2.31	1.54	2.74	1.01	3.41	0.65	
07	NR	NR	2.83	-0.22	4.20	0.35	4.10	-0.07	3.75	-0.37	3.42	0.57	07
			1.98	0.30	2.89	1.71	2.51	1.45	2.40	0.43	3.70		
08	NR	NR	3.06	-0.20	4.36	0.22	4.06	-0.17	3.44	-0.35	0.66	3.32	08
			2.24	0.63	2.92	1.72	2.51	1.36	2.67	0.42	0.76	3.87	
09	NR	NR	3.38	-0.15	4.28	0.15	4.10	-0.07	3.36	-0.12	0.51	2.95	09
			2.36	0.77	2.93	1.77	2.64	1.17	3.00		0.71	3.90	
10	NR	NR	3.43	-0.28	4.39	0.33	3.93	-0.10	0.46	3.23	0.60	3.00	10
			2.31	0.78	3.25	2.06	2.68	1.08	0.08	3.29	1.06	3.99	
11	NR	NR	3.39	-0.52	4.69	0.67	3.72	-0.14	0.63	3.18	0.48	2.84	11
			2.13	0.70	3.44	2.04	2.82		0.47	3.66	1.37	4.05	
12	NR	NR	3.36	-0.58	4.44	0.30	0.95	3.39	0.72	2.84	0.52	2.83	12
			2.31	1.08	3.17		-0.16	3.02	0.58	3.77	1.55	4.01	
13	NR	NR	3.63	-0.31	1.65	3.95	0.80	3.14	0.53	2.51	0.42	2.94	13
			2.90	1.85	0.10	3.43	-0.01	3.39	0.67	3.76	1.57	3.80	
14	NR	NR	4.14	0.11	1.97	3.98	0.97	3.12	0.32	2.37	0.27	2.85	14
			2.92		0.47	3.76	0.37	3.69	0.95	3.83	1.33		
15	NR	NR	1.59	3.74	1.83	3.61	0.66	2.44	0.17	2.46	3.62	0.05	15
			-0.15	2.94	0.53	3.78	0.11	3.42	1.28	3.95	2.80	1.11	
16	NR	NR	1.54	3.48	1.27	3.01	0.14	2.01	0.14	2.55	3.42	0.12	16
			-0.21	2.97	0.35	3.78	0.29	3.63	1.31		2.76	0.85	
17	NR	NR	1.39	3.13	0.88	2.77	0.09	2.25	3.84	0.03	3.29	0.20	17
			-0.40	2.84	0.87	3.95	1.01	3.94	2.76	1.28	2.90	0.80	
18	NR	NR	1.08	2.88	0.43	2.41	0.07	2.34	3.72	-0.11	3.31	0.43	18
			0.03	3.36	0.80		1.21		2.55	0.98	3.07	0.83	
19	NR	NR	1.00	2.86	4.12	0.41	3.99	-0.04	3.55	-0.16	3.26	0.43	19
			0.56		2.43	0.84	2.47	1.35	2.52	0.83	3.05	0.58	
20	NR	NR	3.86	0.61	3.98	-0.02	4.00	-0.04	3.37	-0.15	2.94	0.29	20
			2.13	-0.20	2.50	1.30	2.57	1.35	2.62	0.82	2.92	0.34	
21	NR	NR	3.20	-0.11	4.15	-0.01	3.94	-0.04	3.43	0.08	2.88	0.45	21
			2.22	0.34	2.56	1.31	2.59	1.24	2.89	0.95	3.03	0.28	
22	NR	NR	3.59	-0.04	4.10	-0.08	3.89	-0.06	3.41	0.16	2.65	0.43	22
			2.45	0.63	2.69	1.43	2.64	1.19	2.83	0.74	2.99		
23	NR	NR	3.81	-0.01	4.06	-0.04	3.83	0.01	3.16	0.13	0.01	2.26	23
			2.57	0.86	2.80	1.46	2.72	1.19	2.90		0.27	2.83	
24	NR	NR	3.94	-0.10	3.94	-0.05	3.76	0.04	0.60	2.94	-0.25	2.07	24
			2.64	1.16	2.59	1.12	2.75	1.08	0.12	2.88	0.42	2.93	
25	NR	NR	4.02	-0.17	3.49	-0.56	3.49	-0.04	0.47	2.76	-0.23	2.08	25
			2.68	1.21	2.38	1.03	2.86		0.37	3.13	0.76	3.15	
26	NR	NR	3.98	-0.06	3.27	-0.52	1.10	3.35	0.68	2.92	-0.05	2.29	26
			2.96	1.65	2.56		0.14	3.07	0.75	3.45	1.16	3.37	
27	NR	NR	4.05	-0.09	1.13	3.13	1.14	3.22	0.83	2.31	0.13	2.42	27
			2.86		-0.48	2.62	0.53	3.41	0.52	3.22	1.50	3.43	
28	NR	NR	1.46	3.70	1.03	2.73	1.29	3.01	0.20	1.89	0.05	2.45	28
			-0.27	2.80	-0.49	2.75	0.56	3.46	0.59	3.14	1.33	3.28	
29	NR	NR	1.46	3.43	1.01	2.45	1.03	2.50	-0.10	1.72	-0.11	2.52	29
			-0.38	2.94	-0.28	2.85	0.48	3.34	0.85	3.24	1.19	3.29	
30	1.31	3.42	1.78	3.42	0.76	1.94	0.59	1.89	-0.24	1.87	0.00	2.69	30
	-0.39	2.60	-0.07	3.31	-0.10	3.05	0.43	3.24	1.31	3.48	0.98		
31			1.90	3.14			0.21	1.62	-0.32	2.14			31
			0.15	3.38			0.71	3.38	1.38	3.59			
MAXIMUM	NR		4.14		4.69		4.10		4.18		4.05		MAXIMUM
MINIMUM	NR		-0.58		-0.56		-0.30		-0.37		-0.26		MINIMUM

NR = NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 9.7 - 12-26-55

ZERO OF GAGE: 1952 -2.84 USCGS
1964 -3.39 USCGS
1964 TO 1971 -3.00 USCGS
1971 0.00 USCGS

TABLE B-12 (CONTINUED)

DAILY TIDES

B95060 THREE MILE SLOUGH AT SAN JOAQUIN RIVER
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.34	0.08	NR	NR	-0.50	2.19	-1.14	1.93	0.36	3.44	0.00	3.26	01
	2.83	0.02			1.13	3.72	0.15	2.59	0.45	2.70	0.01	2.47	
02	2.47	0.52	NR	NR	-0.42	2.44	-0.89	2.17	0.64	3.63	0.24	3.17	02
	3.20	0.14			1.27	3.68	-0.01	2.01	0.33	2.10	-0.36	1.82	
03	2.51	0.65	NR	NR	-0.25	2.70	-1.04	2.11	0.38	3.42	0.09	2.89	03
	3.19				1.39	3.89	-0.40	1.42	0.04	2.24	-0.61	1.72	
04	-0.14	2.31	NR	NR	0.25	3.09	-0.93	2.50	1.34	3.83	0.69	3.15	04
	0.70	3.26			1.43	3.35	-0.50	1.10	0.00		-0.37	2.11	
05	-0.21	2.20	-0.63	2.14	-0.19	2.74	-0.75	2.54	1.92	0.89	1.13	3.25	05
	0.87	3.27	0.94	2.84	0.68	2.24	-0.72	1.11	3.29	-0.47	-0.25		
06	-0.30	2.06	-0.70	2.16	-0.64	2.58	-0.12	3.17	1.74	0.81	2.25	1.44	06
	1.01	3.18	0.72	2.39	0.14	1.67	-0.40		3.10	-0.49	3.27	-0.29	
07	-0.48	2.09	-0.76	2.48	-0.57	2.74	1.60	0.49	2.04	1.05	2.36	1.43	07
	1.28	3.37	0.72	2.41	-0.13	1.63	3.29	-0.49	3.38	-0.29	3.72	0.47	
08	-0.24	2.27	-0.65	2.32	-0.25	2.71	1.98	1.20	2.29	1.08	2.83	1.32	08
	1.28	3.13	0.01	1.90	-0.57		3.75	-0.16	3.46	-0.02	3.26	0.03	
09	-0.41	2.31	-0.61	2.50	1.45	0.04	2.06	0.69	2.90	1.30	2.54	0.87	09
	1.06	2.96	-0.30		2.97	-0.57	3.09	-0.82	3.76	0.71	3.10	-0.05	
10	-0.44	2.38	1.75	-0.47	1.71	0.41	1.70	0.63	3.18	1.31	2.69	0.77	10
	0.68	2.82	2.56	-0.58	3.25	-0.53	3.03	-0.94	3.50	0.08	3.04	0.11	
11	-0.40	2.40	1.69	-0.28	1.81	0.60	1.56	0.46	2.56	0.79	2.83	0.61	11
	0.18		2.71	-0.66	3.30	-0.62	2.96	-0.95	3.12	-0.07	2.97	0.19	
12	2.56	-0.53	1.76	0.01	1.85	0.73	1.53	0.23	2.59	0.76	2.71	0.39	12
	2.45	-0.13	2.96	-0.66	3.37	-0.56	2.51	-1.26	3.17	0.38	2.77	0.16	
13	2.45	-0.31	1.93	0.37	1.89	0.67	1.36	0.08	3.27	1.11	2.83	0.39	13
	2.67	-0.27	3.23	-0.52	3.09	-0.90	2.43		3.08		2.86	0.36	
14	2.38	-0.14	2.07	0.65	1.71	0.59	-1.11	1.58	0.46	3.06	2.73	0.09	14
	2.86	-0.36	3.43	-0.34	3.01		0.21	2.33	0.76	2.53	2.47	0.35	
15	2.26	-0.06	2.27	0.94	-0.91	1.70	-1.03	1.74	0.16	2.68	2.86	0.01	15
	2.87	-0.55	3.43		0.57	2.77	0.20	2.17	0.44	2.13	2.45	1.05	
16	2.15	0.16	-0.47	2.13	-1.04	1.65	-0.95	1.89	0.31	2.92	3.43	0.16	16
	3.07	-0.51	0.99	3.28	0.55	2.50	0.13	1.84	0.31	1.49	2.17		
17	NR	NR	-0.55	2.08	-0.96	1.81	-0.97	1.79	0.12	2.58	0.62	2.91	17
			0.92	2.93	0.62	2.47	-0.15	1.26	0.11	1.26	-0.16	1.97	
18	NR	NR	-0.70	2.16	-0.90	1.98	-1.01	1.78	0.31	2.62	0.87	3.07	18
			1.12	2.76	0.64	1.96	-0.33	1.00	-0.23	1.10	-0.16	1.85	
19	NR	NR	-0.74	1.96	-1.05	1.94	-0.78	1.89	0.67	2.99	1.11	3.17	19
			0.90	2.19	0.40	1.45	-0.68	0.52	-0.17		-0.05	2.02	
20	NR	NR	-0.89	2.06	-1.06	1.87	-0.56	2.13	1.69	1.18	1.34	2.92	20
			0.99	2.21	0.07	0.96	-0.68	0.81	3.07	-0.60	-0.43	1.98	
21	NR	NR	-0.27	3.29	-0.94	2.13	0.13	2.57	1.38	0.84	1.28	2.92	21
			1.69	2.19	0.07	0.92	-0.80		2.74	-0.96	0.42		
22	NR	NR	-0.25	2.47	-0.63	2.16	0.98	0.43	1.31	0.48	3.02	1.67	22
			0.23	1.25	-0.55	0.63	2.72	-1.01	2.76	-1.01	3.32	0.03	
23	NR	NR	-0.52	2.20	-0.42	2.21	1.10	0.57	1.60	0.27	2.66	1.04	23
			-0.29		-0.93		3.01	-0.94	2.86	-0.91	3.11	-0.21	
24	NR	NR	1.09	-0.44	0.65	-0.12	1.39	0.62	1.88	0.14	2.76	0.79	24
			2.30	-0.29	2.47	-1.03	3.18	-0.86	3.04	-0.59	3.28	0.21	
25	NR	NR	1.68	0.14	1.01	0.22	1.63	0.61	2.31	0.23	3.57	1.67	25
			2.73	-0.50	2.92	-0.87	3.35	-0.71	3.16	-0.28	3.91	0.57	
26	NR	NR	1.51	0.27	1.50	0.67	1.89	0.68	2.57	0.02	3.08	0.45	26
			2.97	-0.51	3.34	-0.71	3.46	-0.73	2.85	-0.39	3.07	0.39	
27	NR	NR	1.72	0.49	1.90	1.21	1.78	0.23	2.57	-0.23	3.38	0.37	27
			3.15	-0.59	4.18	0.05	3.13	-0.75	2.57		2.92	0.37	
28	NR	NR	1.90	0.78	2.27	0.94	1.92	0.14	-0.32	2.86	3.22	-0.08	28
			3.43	-0.56	3.55	-0.50	3.10		-0.22	2.41	2.42	0.37	
29	NR	NR	1.95	0.76	2.00	0.70	-0.69	2.07			3.54	-0.05	29
			3.39	-0.58	3.47		-0.04	2.70			2.59		
30	NR	NR	2.10	1.02	-0.77	1.91	-0.68	2.39			0.66	3.64	30
			3.83		0.51	3.27	0.03	2.58			-0.05	2.64	
31	NR	NR			-0.85	1.55	-0.44	2.73			1.09	3.76	31
					-0.11	2.51	0.31	2.89			-0.02	2.39	
MAXIMUM	NR		NR		4.18		3.75		3.83		3.91		MAXIMUM
MINIMUM	NR		NR		-1.06		-1.26		-1.01		-0.61		MINIMUM

NR - NO RECORD

LOCATION: LAT. 38 05 15, LONG. 121 41 08, SE SEC. 19, T3N, R3E, ON SHERMAN ISLAND, 4.9 MILES SOUTH OF RIO VISTA.

PERIOD OF RECORD: JUNE 1929 TO DATE

TABLE B-12 (CONTINUED)

DAILY TIDES

895060 THREE MILE SLOUGH AT SAN JOAQUIN RIVER
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	1.05	3.08	NA	NA	1.34	2.29	0.18	1.17	-0.29	1.44	-0.54	1.88	01
	-0.51	1.95			-0.07	3.03	-0.23	2.77	0.92	3.26	0.75		
02	0.91	2.61	0.95	2.17	0.91	1.90	-0.11	1.01	-0.45	1.64	3.16	-0.59	02
	-0.66	1.95	-0.91	2.25	0.04	3.03	0.13	2.91	1.12	3.42	2.01	0.61	
03	1.04	2.49	0.62	1.81	0.37	1.56	-0.38	1.15	-0.54	1.90	3.28	-0.51	03
	-0.45		-0.61	2.51	0.29		0.59	3.16	1.23		2.21	0.39	
04	2.25	1.25	0.37	1.40	3.17	0.20	-0.48	1.47	3.74	-0.24	3.26	-0.40	04
	2.45	-0.28	-0.87		1.83	0.89	0.87		2.29	1.25	2.43	0.26	
05	2.53	1.14	2.24	-0.18	3.80	0.51	3.31	-0.59	3.85	-0.26	3.27	-0.16	05
	2.38	-0.29	1.18	-0.62	2.33	1.25	1.62	0.93	2.35	1.10	2.70	0.23	
06	2.45	0.64	2.17	-0.46	3.88	0.35	3.52	-0.54	3.81	-0.35	3.19	0.06	06
	2.28	-0.32	1.33	-0.34	2.49	1.41	1.90	1.24	2.32	0.71	3.04	0.28	
07	2.46	0.37	2.47	-0.55	3.81	-0.02	3.73	-0.43	3.43	-0.71	3.09	0.22	07
	2.33	-0.13	1.59	-0.02	2.44	1.38	2.09	1.14	2.05	0.14	3.33		
08	2.59	0.14	2.72	-0.55	3.97	-0.13	3.72	-0.53	3.12	-0.70	0.30	2.96	08
	2.29	-0.07	1.85	0.31	2.48	1.41	2.11	1.03	2.27	0.13	0.46	3.54	
09	2.58	-0.07	3.01	-0.52	3.88	-0.21	3.76	-0.42	3.04	-0.44	0.13	2.59	09
	2.29	0.25	1.95	0.45	2.52	1.43	2.25	0.89	2.64	0.20	0.41	3.54	
10	2.78	-0.21	3.06	-0.67	4.02	-0.07	3.59	-0.45	2.88	-0.25	0.20	2.57	10
	2.34	0.34	1.92	0.46	2.81	1.72	2.31	0.79	2.95		0.78	3.63	
11	2.89	-0.26	3.02	-0.86	4.26	0.20	3.39	-0.51	0.34	2.82	0.11	2.47	11
	2.36	0.59	1.74	0.43	2.97	1.69	2.44		0.14	3.30	1.10	3.69	
12	3.10	-0.37	3.03	-0.95	4.07	-0.10	0.64	3.05	0.38	2.45	0.18	2.46	12
	2.23	0.64	1.93	0.80	2.76		-0.52	2.67	0.25	3.39	1.27	3.62	
13	3.23	-0.31	3.30	-0.68	1.32	3.56	0.52	2.78	0.17	2.10	0.10	2.52	13
	2.42	1.10	2.35	1.47	-0.29	2.96	-0.35	3.03	0.37	3.41	1.30	3.41	
14	3.55	-0.15	3.75	-0.32	1.60	3.59	0.67	2.72	0.00	2.00	-0.09	2.44	14
	2.42	1.10	2.43		0.04	3.26	-0.02	3.35	0.70	3.48	1.07	3.22	
15	3.24	-0.58	1.26	3.35	1.41	3.18	0.33	2.05	-0.16	2.08	-0.17	2.44	15
	2.09		-0.56	2.47	0.09	3.36	-0.21	3.09	1.00	3.61	0.84		
16	1.11	3.13	1.21	3.09	0.95	2.52	-0.18	1.63	-0.18	2.18	3.08	-0.20	16
	-0.80	2.06	-0.62	2.53	-0.07	3.43	0.02	3.30	1.05	3.50	2.41	0.55	
17	1.22	3.00	1.10	2.73	0.54	2.15	-0.23	1.85	-0.31	2.27	2.96	-0.11	17
	-0.59	2.20	-0.77	2.48	0.48	3.60	0.70	3.61	1.00		2.51	0.49	
18	1.19	2.62	0.78	2.46	0.08	1.97	-0.26	1.93	3.37	-0.44	2.97	0.07	18
	-0.88	1.98	-0.40	2.98	0.53	3.77	0.89		2.20	0.74	2.66	0.49	
19	0.85	2.28	0.65	2.35	0.04	2.02	3.65	-0.36	3.23	-0.48	2.88	0.09	19
	-1.06		0.03	3.47	0.53		2.09	1.06	2.17	0.56	2.65	0.27	
20	1.96	0.38	0.29	1.74	3.62	-0.38	3.67	-0.38	3.03	-0.49	2.60	-0.03	20
	2.14	-0.87	-0.56		2.10	0.97	2.17	1.05	2.26	0.55	2.57	0.03	
21	2.38	0.23	2.85	-0.45	3.80	-0.38	3.60	-0.38	3.10	-0.25	2.55	0.18	21
	2.41	-0.36	1.81	0.00	2.14	1.00	2.21	0.95	2.52	0.65	2.88	-0.06	
22	2.84	0.11	3.25	-0.42	3.75	-0.45	3.56	-0.40	3.06	-0.17	2.31	0.13	22
	2.44	-0.27	2.05	0.29	2.25	1.14	2.28	0.89	2.49	0.43	2.60		
23	2.85	-0.35	3.46	-0.41	3.72	-0.43	3.51	-0.33	2.83	-0.19	-0.28	1.91	23
	2.20	-0.23	2.19	0.52	2.35	1.16	2.34	0.89	2.52	0.30	0.01	2.49	
24	3.04	-0.42	3.60	-0.49	3.59	-0.45	3.44	-0.29	2.60	-0.19	-0.55	1.73	24
	2.61	0.49	2.25	0.85	2.20	0.83	2.38	0.79	2.52		0.18	2.60	
25	3.52	-0.29	3.68	-0.56	3.14	-0.92	3.13	-0.38	0.18	2.42	-0.52	1.73	25
	2.45	0.39	2.30	0.89	1.99	0.73	2.49	0.81	0.08	2.76	0.54	2.81	
26	3.27	-0.74	3.65	-0.46	2.90	-0.87	3.01	-0.19	0.41	2.43	-0.34	1.93	26
	2.10	0.33	2.49	1.22	2.18		2.70		0.41	3.04	0.94	3.00	
27	3.30	-0.77	3.68	-0.48	0.85	2.74	0.87	2.87	0.31	1.92	-0.17	2.03	27
	2.03	0.50	2.46	1.17	-0.80	2.23	0.19	3.05	0.24	2.85	1.24	3.03	
28	3.18	-0.93	3.33	-0.65	0.71	2.34	0.99	2.61	-0.09	1.51	-0.29	2.08	28
	2.05	0.74	2.39		-0.81	2.32	0.25	3.12	0.34	2.76	1.19	2.92	
29	3.15	-0.81	1.19	3.04	0.74	2.05	0.75	2.06	-0.39	1.33	-0.41	2.16	29
	2.16		-0.73	2.55	-0.63	2.47	0.17	3.01	0.60	2.85	0.95	2.93	
30	NA	NA	1.50	3.03	0.49	1.53	0.32	1.50	-0.54	1.48	-0.33	2.33	30
			-0.43	2.87	-0.46	2.66	0.17	2.89	1.01	3.13	0.70		
31			1.62	2.73			-0.08	1.23	-0.57	1.77			31
			-0.24	2.96			0.48	3.02	1.12	3.26			
MAXIMUM	NA		NA		4.26		3.76		3.85		3.69		MAXIMUM
MINIMUM	NA		NA		-0.92		-0.59		-0.71		-0.59		MINIMUM

NA - NO RECORD

MAXIMUM GAGE HEIGHT OF RECORD: 5.9 - 4-6-58
MAXIMUM OF RECORD IS MAXIMUM RECORDED STAGE --
RECORD NOT COMPLETE IN DECEMBER 1955.

ZERO OF GAGE: 1929 TO 1940 0.00 USED
1940 TO 1959 0.00 USCGS
1959 -10.00 USCGS
1964 -10.45 USCGS
1964 TO DATE 0.00 USCGS

TABLE 8-12 (CONTINUED)

DAILY TIDES

895020 SAN JOAQUIN RIVER AT ANTIOCH
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.35	-0.43	0.30	3.35	2.12	0.72	-1.89	1.91	0.07	3.40	3.33	-0.52	01
	2.86	-0.55	-1.18		3.69		-0.35	2.00	0.20	2.69	2.48	-0.22	
02	2.45	0.03	2.09	0.63	2.37	0.84	-1.60	2.13	0.52	3.62	3.24	-0.91	02
	3.17	-0.48	3.38	-1.26	3.68		-0.47	2.06	0.04	2.10	1.78		
03	2.48	0.19	1.97	0.53	-0.06	2.68	-1.39	2.19	0.16	3.40	-0.28	2.94	03
	3.20		3.18	-1.34	1.19	3.80	-0.67	1.48	-0.50	2.11	-1.16	1.61	
04	-0.72	2.27	1.90	0.53	-0.09	3.13	-1.22	2.58	1.05	3.81	0.35	3.10	04
	0.28	3.26	2.99		1.19	3.39	-0.78	1.12	-0.58	1.82	-0.95	1.96	
05	-0.80	2.14	-1.30	2.04	-0.52	2.78	-0.99	2.61	0.54	3.25	0.84	3.15	05
	0.53	3.26	0.59	2.76	0.50	2.28	1.00	1.11	-1.08		-0.80	2.12	
06	-0.91	1.97	-1.32	2.08	-0.96	2.69	-0.30	3.20	1.66	0.49	1.17	3.13	06
	0.67	3.13	0.35	2.33	-0.10	1.72	-0.70		3.06	-1.13	-0.84		
07	-1.07	2.01	-1.37	2.42	-0.82	2.80	1.59	0.31	1.98	0.66	2.22	1.08	07
	0.96		0.33	2.32	-0.37	1.68	3.30	-0.82	3.36	-0.93	3.67	0.00	
08	3.29	-0.85	-1.26	2.29	-0.47	2.83	1.92	1.02	2.24	0.67	2.76	1.00	08
	2.13	0.94	-0.47	1.85	-0.84		3.76	-0.56	3.43	-0.67	3.23	-0.60	
09	3.00	-1.07	-1.18	2.51	1.49	-0.14	2.00	0.50	2.87	0.88	2.45	0.42	09
	2.20		-0.85	1.74	3.08	-0.90	3.12	-1.19	3.69	0.09	3.04	-0.65	
10	0.69	2.88	1.00	2.61	1.72	0.24	1.69	0.46	3.08	0.82	2.66	0.38	10
	-1.02	2.33	-1.19		3.32	-0.89	3.10	-1.32	3.49	-0.58	3.02	-0.51	
11	0.28	2.79	1.68	-0.78	1.82	0.41	1.57	0.28	2.47	0.32	2.79	0.16	11
	-0.99		2.74	-1.33	3.38	1.00	3.00	-1.34	3.07	-0.73	2.98	-0.42	
12	2.43	-0.29	1.72	-0.46	1.87	0.55	1.54	0.05	2.55	0.27	2.70	-0.13	12
	2.58	-1.13	3.00	-1.35	3.41	-0.91	2.56	-1.62	3.16	-0.24	2.75	-0.42	
13	2.49	-0.66	1.88	-0.07	1.84	0.24	1.38	-0.09	3.23	0.64	2.88	0.15	13
	2.51	-0.87	3.25	-1.24	3.12	-1.61	2.49	-1.47	3.01	-0.14	2.88	0.04	
14	2.72	-0.85	2.00	0.22	1.65	0.22	1.62	0.04	2.97	0.26	2.72	-0.24	14
	2.42		3.43	-1.06	3.04	-1.63	2.38		2.43	-0.40	2.48	0.05	
15	-0.66	2.94	2.21	0.70	1.64	0.22	-1.33	1.79	2.62	0.01	2.87	-0.36	15
	-0.99	2.29	3.43	-0.90	2.78	-1.70	0.03	2.20	2.02		2.40	0.78	
16	-0.56	2.95	2.08	0.78	1.82	0.23	-1.28	1.90	-0.17	2.85	3.40	-0.20	16
	-1.22		3.28		2.44		-0.04	1.64	-0.14	1.38	2.13	0.38	
17	2.17	-0.30	-0.98	2.04	-1.06	1.72	-1.27	1.82	-0.21	2.51	2.90	-0.54	17
	3.13	-1.18	0.72	2.90	0.30	2.38	-0.30	1.28	-0.33	1.14	1.91		
18	2.17	-0.02	-1.10	2.12	-1.52	1.90	-1.24	1.81	0.04	2.54	0.70	3.03	18
	3.18	-1.24	0.95	2.70	0.32	1.84	-0.46	1.00	-0.67	0.94	-0.49	1.78	
19	2.10	0.18	-1.11	1.91	-1.62	1.86	-0.94	1.90	0.51	2.93	0.98	3.14	19
	3.23		0.76	2.15	0.12	1.34	-0.84	0.50	-0.44	1.59	-0.36	1.89	
20	-1.04	2.28	-1.21	2.02	-1.56	1.82	-0.64	2.18	0.86	2.95	1.20	2.84	20
	0.71	3.31	0.86	2.15	-0.24	0.85	-0.86	0.77	-1.18		-0.74	1.89	
21	-0.79	2.32	-0.57	3.18	-1.32	2.09	0.01	2.58	1.27	0.51	1.14	2.82	21
	0.94	3.07	1.52	2.14	-0.23	0.79	-1.06	0.91	2.73	-1.63	0.05	2.95	
22	-0.97	2.05	-0.51	2.43	1.00	2.16	0.31	2.72	1.20	0.14	1.51	3.29	22
	0.91	2.52	-0.01	1.20	-0.99	0.49	-1.30		2.72	-1.71	-0.37		
23	-1.10	2.20	-0.74	2.20	-0.69	2.24	1.07	0.41	1.57	-0.12	2.63	0.80	23
	1.46	2.17	-0.57	1.05	-1.45	0.52	3.02	-1.27	2.89	-1.62	3.10	-0.64	
24	0.19	1.94	-0.64	2.28	-0.44	2.41	1.35	0.44	1.90	-0.31	2.78	0.50	24
	-0.77	2.36	-0.57		-1.62		3.19	-1.23	3.11	-1.30	3.30	-0.22	
25	-0.02	2.08	1.67	-0.06	0.88	-0.14	1.61	0.40	2.35	-0.30	3.60	1.29	25
	-0.53	2.63	2.80	-0.86	2.91	-1.51	3.39	-1.09	3.23	-0.97	4.08	0.17	
26	-0.16	2.15	1.42	-0.15	1.38	0.33	1.87	0.48	2.60	-0.53	3.11	0.12	26
	-0.35		2.94	-1.13	3.32	-1.38	3.56	-1.12	2.90	-1.05	3.13	-0.08	
27	2.81	-0.39	1.63	0.08	1.80	0.81	1.79	0.03	2.62	-0.79	3.39	-0.01	27
	2.60	0.43	3.13	-1.28	4.17	-0.59	3.34	-1.19	2.63	-0.91	3.00	-0.08	
28	3.56	0.07	1.80	0.36	2.47	0.59	1.94	-0.11	2.96	-0.79	3.29	-0.46	28
	2.31	-0.04	3.41	-1.26	3.80	-1.11	3.19	-1.09	2.45	-0.51	2.48	0.02	
29	3.11	-0.75	1.87	0.35	2.02	0.23	2.12	-0.30			3.64	-0.47	29
	2.15		3.38	-1.31	3.49	-1.52	2.80				2.60	0.38	
30	0.06	3.12	2.00	0.61	1.85	0.07	-1.05	2.45			3.70	-0.48	30
	-1.08	1.99	3.61	-1.23	3.32	-1.42	-0.21	2.67			2.66		
31	0.18	3.21			1.55	-0.50	-0.80	2.77			0.86	3.80	31
	-1.24	1.97			2.95		-0.02	2.90			-0.30	2.40	
MAXIMUM	3.56		3.61		4.17		3.76		3.81		4.08		MAXIMUM
MINIMUM	-1.24		-1.37		-1.70		-1.89		-1.71		-1.16		MINIMUM

LOCATION: LAT. 38 01 04, LONG. 121 48 06, SW SEC. 18, T2N, R2E, IN PUMP HOUSE ON WHARF AT CITY WATER WORKS IMMEDIATELY NORTH OF ANTIOCH.

PERIOD OF RECORD: JUNE 1929 TO DATE

TABLE A-12 (CONTINUED)

DAILY TIDES

895020 SAN JOAQUIN RIVER AT ANTIOCH
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
01	0.84	3.11	0.92	2.68	0.91	2.13	-0.25	1.02	-0.56	1.35	-1.06	1.80	01
	-0.91	1.90	-1.13	2.20	-0.56	2.89	-0.57	2.69	0.80	3.25	0.41	3.13	
02	0.76	2.57	0.80	2.12	0.44	1.72	-0.53	0.99	-0.72	1.59	-1.18	1.96	02
	1.00	1.89	-1.27	2.19	-0.45	2.95	0.01	2.92	1.01	3.40	0.24		
03	0.94	2.47	0.42	1.73	-0.08	1.43	-0.62	1.08	-0.85	1.84	3.28	-1.12	03
	-0.75	2.20	-0.96	2.46	-0.09	3.07	0.39	3.18	1.09		2.21	-0.04	
04	1.12	2.42	0.17	1.36	-0.34	1.68	-0.78	1.46	3.73	-0.57	3.30	-1.01	04
	-0.58		-1.14		0.57	3.66	0.78	3.31	2.25	1.08	2.46	-0.18	
05	2.50	1.01	2.20	-0.41	-0.14	2.17	-0.91	1.59	3.84	-0.64	3.32	-0.73	05
	2.38	-0.59	1.12	-0.86	0.80		0.78		2.31	0.86	2.73	-0.24	
06	2.48	0.50	2.17	-0.74	3.78	-0.34	3.52	-0.90	3.82	-0.76	3.21	-0.50	06
	2.29	-0.61	1.29	-0.59	2.32	0.94	1.86	1.01	2.28	0.50	3.07	-0.26	
07	2.48	0.16	2.47	-0.86	3.76	-0.75	3.73	-0.81	3.48	-1.11	3.08	-0.30	07
	2.29	-0.42	1.58	-0.29	2.29	0.96	2.04	0.92	2.06	-0.12	3.38	-0.27	
08	2.64	-0.11	2.72	-0.89	3.89	-0.86	3.73	-0.94	3.24	-1.29	2.93	-0.06	08
	2.30	-0.36	1.83	0.08	2.34	0.95	2.10	0.83	2.34	-0.28	3.61		
09	2.64	-0.35	2.96	-1.20	3.84	-0.97	3.79	-0.80	3.13	-0.97	-0.43	2.57	09
	2.30	-0.01	1.86	-0.03	2.40	0.98	2.24	0.62	2.71	-0.21	-0.02	3.55	
10	2.86	-0.54	3.01	-1.40	3.95	-0.86	3.62	-0.85	2.96	-0.72	-0.36	2.50	10
	2.37	0.10	1.81	0.00	2.67	1.22	2.30	0.58	3.03		0.37	3.60	
11	2.91	-0.89	2.96	-1.61	4.19	-0.61	3.42	-0.90	-0.07	2.86	-0.47	2.40	11
	2.25	0.06	1.66	0.05	2.80	1.15	2.48	0.39	-0.27	3.34	0.77	3.64	
12	3.05	-0.99	3.01	-1.65	3.97	-0.89	3.10	-0.89	-0.06	2.45	-0.41	2.31	12
	2.15	0.19	1.85	0.38	2.64	0.85	2.71		-0.12	3.42	0.95	3.53	
13	3.19	-0.95	3.28	-1.39	3.49	-1.04	0.30	2.82	-0.31	2.07	-0.50	2.37	13
	2.28	0.62	2.23	0.90	2.83		-0.69	3.09	-0.01	3.40	0.94	3.31	
14	3.44	-0.83	3.64	-1.09	1.06	3.48	0.46	2.74	-0.53	1.88	-0.70	2.34	14
	2.27	0.66	2.19	0.71	-0.71	3.09	-0.31	3.40	0.40	3.45	0.68	3.11	
15	3.15	-1.27	3.24	-1.32	0.80	3.06	0.04	2.08	-0.69	1.95	-0.79	2.34	15
	1.97	0.75	2.30		-0.62	3.25	-0.48	3.17	0.68	3.54	0.43	2.98	
16	3.03	-1.29	0.73	2.97	0.41	2.44	-0.47	1.64	-0.72	2.07	-0.78	2.34	16
	1.91		-1.37	2.42	-0.70	3.38	-0.19	3.35	0.72	3.44	0.12		
17	1.08	2.94	0.69	2.64	-0.02	2.01	-0.50	1.82	-0.84	2.16	2.91	-0.68	17
	-0.93	2.12	-1.47	2.38	-0.08	3.51	0.50	3.64	0.56		2.46	0.01	
18	1.02	2.55	0.36	2.37	-0.56	1.87	-0.59	1.90	3.33	-1.12	2.94	-0.49	18
	-1.24	2.90	-1.09	2.88	0.05	3.72	0.70	3.67	2.13	0.35	2.60	-0.02	
19	0.70	2.24	0.13	2.22	-0.65	1.91	-0.70	2.09	3.24	-1.06	2.82	-0.46	19
	-1.39	1.94	-0.64	3.31	-0.05	3.56	0.84		2.13	0.17	2.59	-0.27	
20	0.21	2.16	-0.18	1.76	-1.09	1.97	3.70	-0.72	3.03	-1.07	2.59	-0.54	20
	-1.21		-1.18	2.85	0.55		2.19	0.82	2.22	0.14	2.61	-0.49	
21	2.40	0.02	-1.13	1.76	3.76	-1.10	3.65	-0.74	3.11	-0.80	2.52	-0.26	21
	2.44	-0.72	-0.54		2.03	0.57	2.21	0.76	2.48	0.23	2.68	-0.57	
22	2.86	-0.21	3.26	-1.17	3.72	-1.18	3.61	-0.78	3.05	-0.71	2.28	-0.28	22
	2.46	-0.67	1.98	-0.24	2.14	0.72	2.29	0.70	2.44	0.02	2.58	-0.82	
23	2.90	-0.69	3.45	-1.18	3.69	-1.25	3.54	-0.69	2.82	-0.67	1.86	-0.39	23
	2.22	-0.54	2.11	0.01	2.17	0.68	2.35	0.64	2.49	-0.11	2.49	-1.10	
24	3.13	-0.79	3.62	-1.29	3.53	-1.23	3.48	-0.66	2.59	-0.66	1.66	-0.15	24
	2.65	0.20	2.18	0.37	2.10	0.36	2.40	0.60	2.52	-0.20	2.58		
25	3.56	-0.71	3.70	-1.35	3.11	-1.67	3.19	-0.72	2.39	-0.32	-1.04	1.64	25
	2.48	0.12	2.22	0.43	1.92	0.30	2.50	0.65	2.75		0.24	2.76	
26	3.32	-1.19	3.63	-1.24	2.84	-1.58	3.03	-0.50	-0.01	2.36	-0.88	1.81	26
	2.10	0.09	2.30	0.70	2.11	0.42	2.71		-0.02	2.93	0.64	2.90	
27	3.32	-1.22	3.63	-1.24	2.68	-1.48	0.70	2.87	-0.19	1.83	-0.76	1.87	27
	2.01	0.25	2.35	0.73	2.15		-0.08	3.06	-0.09	2.78	0.97	2.88	
28	3.20	-1.33	3.30	-1.29	0.31	2.24	0.80	2.6[illegible]	-0.53	1.38	-0.90	1.90	28
	2.04		2.31	0.82	-1.43	2.27	0.01	3.12	0.08	2.73	0.90	2.82	
29	0.53	3.16	2.96	-1.39	0.34	1.95	0.57	2.06	-0.85	1.16	-0.96	2.05	29
	-1.24	2.13	2.47		-1.13	2.42	-0.04	3.02	0.37	2.74	0.64	2.84	
30	0.84	3.02	1.14	2.91	0.11	1.43	0.11	1.47	-1.06	1.31	-0.90	2.25	30
	-1.10	2.19	-1.06	2.75	-0.98	2.56	0.02	2.90	0.75	3.03	0.30	2.94	
31			1.25	2.61			-0.30	1.18	-1.07	1.66			31
			-0.79	2.86			0.40	2.98	0.86	3.20			
MAXIMUM	3.56		3.70		4.19		3.79		3.84		3.64		MAXIMUM
MINIMUM	-1.39		-1.65		-1.67		-0.94		-1.29		-1.18		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 6.2 - 12-26-55

ZERO OF GAGE:

1929 TO 1940	0.00	USED
1940 TO 1957	0.00	USCGS
1957 TO 1957	-9.71	USCGS
1957	-9.96	USCGS
1964	-10.11	USCGS
1964 TO DATE	0.00	USCGS

TABLE 8-12 (CONTINUED)

DAILY TIDES

E03300 SUISUN BAY AT BENICIA
(OCTOBER 1, 1974, THROUGH MARCH 30, 1975)

DATE	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		DATE
01	2.50	-1.30	2.09	-0.28	2.27	0.25	2.16	-1.08	3.79	-0.74	3.60	-1.77	01
	3.11	-1.59	3.53	-2.54	3.90	-2.55	2.87	-2.91	2.82	-0.43	2.67	-1.18	
02	2.58	-0.88	2.18	0.12	2.55	0.35	2.39	-1.29	3.81	-1.12	3.53	-2.10	02
	3.24	-1.66	3.64	-2.59	3.79	-2.31	2.12	-2.87	2.05	-0.70	1.92	-0.99	
03	2.55	-0.56	2.10	0.06	3.02	0.70	2.46	-1.75	3.56	-1.58	3.19	-2.26	03
	3.39	-1.94	3.33	-2.60	4.26	-1.56	1.50	-2.47	2.09		1.76	-0.06	
04	2.35	-0.32	2.04	0.09	3.18	0.20	2.90	-1.92	0.46	3.79	3.20	-2.09	04
	3.41	-1.95	3.10	-2.56	3.31	-2.11	1.12		-1.76	1.78	2.00		
05	2.16	0.03	2.14	0.18	2.87	-0.46	-1.93	2.84	0.10	3.33	0.46	3.21	05
	3.38	-2.04	2.83		2.26		-2.16	1.11	-2.39	1.75	-1.87	2.18	
06	2.02	0.29	-2.51	2.25	-2.41	2.85	-0.90	3.46	0.10	3.12	0.85	3.20	06
	3.24	-2.16	-0.10	2.46	-1.15	1.68	-1.98	1.57	-2.48		-1.86	2.45	
07	2.02	0.54	-2.44	2.66	-2.06	2.97	-0.33	3.47	2.07	0.24	0.78	3.85	07
	3.20		-0.25	2.33	-1.67	1.65	-2.24	1.87	3.47	-2.25	-0.76	2.87	
08	2.00	2.04	-2.33	2.51	-1.48	3.06	0.22	3.74	2.35	0.14	0.49	3.26	08
	0.40	2.88	-1.30	1.91	-2.24	1.48	-2.24	1.88	3.56	-1.93	-1.84	2.50	
09	-2.20	2.16	-2.25	2.78	-0.98	3.25	-0.36	3.15	2.97	0.10	-0.43	2.97	09
	0.16	2.81	-1.85	1.84	-2.43	1.77	-2.95		3.76	-1.17	-1.94		
10	-2.23	2.41	-1.91	2.99	-0.53	3.52	1.78	-0.17	3.12	-0.07	2.79	-0.42	10
	-0.37	2.79	-2.33	1.89	-2.55		3.27	-3.06	3.57	-1.96	3.13	-1.65	
11	-2.11	2.61	-1.58	3.18	1.91	-0.31	1.62	-0.39	2.54	-0.58	2.87	-0.63	11
	-1.08	2.76	-2.54		3.59	-2.75	3.15	-3.05	3.17	-2.19	3.01	-1.61	
12	-2.21	2.80	1.97	-1.12	1.96	-0.10	1.65	-0.67	2.63	-0.59	2.73	-1.28	12
	-1.62	2.69	3.40	-2.63	3.62	-2.77	2.74	-3.30	3.27	-1.46	2.78	-1.70	
13	-1.94	3.07	2.11	-0.67	1.96	-0.26	1.55	-0.72	3.34	-0.37	2.86	-1.37	13
	-1.96		3.60	-2.63	3.30	-3.05	2.72	-3.03	2.99	-1.48	2.72	-1.52	
14	2.63	-1.68	2.21	-0.33	1.80	-0.23	1.81	-0.62	2.92	-0.95	2.70	-1.78	14
	3.29	-2.22	3.71	-2.56	3.29	-3.07	2.55	-2.81	2.36	-1.60	2.45	-1.21	
15	2.53	-1.45	2.24	-0.10	1.83	-0.22	1.98	-0.64	2.51	-0.93	2.87	-1.94	15
	3.33	-2.52	3.56	-2.57	2.92	-3.01	2.28	-2.65	1.90	-1.09	2.34	-0.39	
16	2.43	-1.07	2.17	0.10	1.82	-0.16	2.11	-0.77	2.61	-1.29	3.26	-1.86	16
	3.50	-2.52	3.41	-2.58	2.62	-2.93	1.88	-2.48	1.24	-0.92	1.94	-0.65	
17	2.39	-0.66	2.11	0.13	1.92	-0.13	2.00	-1.04	2.34	-1.38	2.65	-2.04	17
	3.50	-2.54	2.96	-2.58	2.51	-2.68	1.26	-2.17	0.98	-0.55	1.04	-0.65	
18	2.30	-0.30	2.19	0.31	2.10	-0.12	2.00	-1.10	2.40	-1.68	2.94	-1.95	18
	3.46	-2.30	2.65	-2.56	1.93	-2.63	0.96	-1.53	0.82	-0.02	1.63	0.34	
19	2.39	0.14	1.94	0.24	2.05	-0.24	2.07	-1.47	2.74	-1.80	3.01	-1.93	19
	3.39	-2.04	2.14	-2.37	1.41	-2.29	0.43	-1.17	1.21		1.58	0.54	
20	2.34	0.52	2.09	0.37	2.00	-0.61	2.18	-1.61	0.35	2.80	2.65	-2.20	20
	3.04	-1.97	2.10	-1.40	0.80	-1.76	0.68		-2.15	1.13	1.61		
21	2.09	0.59	3.35	0.88	2.17	-0.61	-0.51	2.45	0.08	2.59	0.58	2.75	21
	2.57		1.90		0.75		-1.96	0.80	-3.21	1.14	-1.16	2.53	
22	-1.97	2.23	-1.44	2.39	-1.47	2.09	-0.21	2.72	-0.28	2.79	0.71	3.20	22
	0.65	2.33	-0.78	1.11	-1.60	0.42	-2.48	0.93	-3.35	1.65	-2.17	2.45	
23	-1.81	2.24	-1.49	2.25	-1.12	2.12	-0.11	3.00	-0.77	3.04	-0.34	2.95	23
	0.10	1.93	-1.45	1.03	-2.38	0.47	-2.59	1.30	-3.25		-2.66	2.77	
24	-1.78	2.26	-1.22	2.44	-0.79	2.45	-0.14	3.29	2.06	-1.18	-0.80	3.25	24
	-0.20	1.94	-1.57	1.59	-2.63	0.90	-2.72		3.37	-2.93	-2.38		
25	-1.50	2.48	-0.76	2.83	-0.54	3.05	1.66	-0.21	2.58	-1.40	3.49	-0.78	25
	-0.57	2.03	-2.10	1.40	-2.57		3.58	-2.76	3.53	-2.01	3.73	-2.36	
26	-1.32	2.74	-0.68	3.11	1.45	-0.07	1.91	-0.29	2.79	-1.85	2.08	-2.30	26
	-0.92	2.12	-2.30		3.50	-2.64	3.69	-2.92	3.16	-2.60	2.96	-2.35	
27	-1.15	2.95	1.64	-0.53	1.93	0.45	1.85	-0.80	2.92	-2.13	3.29	-2.54	27
	-1.28	2.72	3.29	-2.56	4.47	-1.79	3.57	-2.99	2.94	-2.29	2.90	-2.30	
28	-0.36	3.49	1.87	-0.11	2.75	0.00	2.10	-1.12	3.32	-2.07	3.33	-3.02	28
	-1.07		3.62	-2.62	3.83	-2.79	3.48	-2.79	2.73	-1.73	2.45	-1.71	
29	2.27	-0.85	2.01	-0.10	2.05	-0.41	2.40	-1.36			3.72	-2.92	29
	3.20	-1.83	3.66	-2.77	3.81	-3.12	3.11	-2.64			2.57	-1.19	
30	2.27	-0.63	2.14	0.12	2.05	-0.56	2.79	-1.33			3.00	-2.78	30
	3.30	-2.33	3.85	-2.74	3.66	-3.22	2.90	-2.16			2.57	-0.30	
31	2.14	-0.37			1.67	-1.38	3.19	-0.87			3.74	-2.64	31
	3.44	-2.52			2.84	-3.30	3.32	1.00			2.26	-0.15	
MAXIMUM	3.50		3.85		4.47		3.74		3.81		3.85		MAXIMUM
MINIMUM	-2.54		-2.77		-3.30		-3.30		-3.35		-3.02		MINIMUM

LOCATION: LAT. 38 02 27 LONG. 122 08 04, SW SEC. 6, T2N, R2W,
ON CHANNEL SIDE OF WHARF IMMEDIATELY SE OF BENICIA.

PERIOD OF RECORD: 1929 TO DATE
INTERMITTENT 1929 TO 1940

TABLE B-12 (CONTINUED)

DAILY TIDES

E03300 SUISUN BAY AT BENICIA
(APRIL 1, 1975, THROUGH SEPTEMBER 30, 1975)

DATE	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		DATE
1	3.00	-2.84	2.60	-2.60	0.13	1.81	-0.80	0.94	-1.52	1.21	-2.16	1.77	1
	1.76	0.08	2.02		-1.49	2.66	-1.07	2.61	0.34	3.05	-0.03	3.15	
2	2.47	-2.60	0.11	1.97	-0.43	1.50	-1.21	0.86	-1.84	1.44	-2.37	2.05	2
	1.67		-2.03	2.04	-1.14	2.88	-0.56	2.74	0.49	3.25	-0.27	3.40	
3	0.31	2.32	-0.27	1.71	-0.82	1.36	-1.63	0.87	-2.08	1.75	-2.36	2.36	3
	-2.04	2.06	-2.07	2.24	-0.53	3.06	-0.28	2.98	0.48	3.57	-0.67	3.52	
4	0.58	2.37	-0.80	1.23	-1.17	1.76	-1.94	1.24	-2.07	2.06	-2.25	2.66	4
	-1.77	2.44	-2.10	2.13	0.08	3.39	0.05	3.18	0.33	3.79	1.00		
5	0.42	2.35	-1.32	1.02	-1.40	1.91	-2.25	1.46	-2.24	2.22	3.48	-2.12	5
	-1.73	2.47	-1.71	2.11	0.12	3.52	0.14	3.46	0.05	3.92	2.87	-1.37	
6	-0.28	2.29	-1.84	1.23	-1.67	2.13	-2.45	1.73	-2.31	2.24	3.26	-2.01	6
	-1.78	2.47	-1.42	2.39	0.29	3.73	0.26	3.66	-0.47		3.14	-1.49	
7	-0.90	2.20	-2.15	1.48	-2.07	2.21	-2.63	1.84	3.61	-2.05	3.09	-1.61	7
	-1.61	2.73	-1.14	2.72	0.30	3.88	0.08	3.76	2.20	-1.01	3.49	-1.56	
8	-1.25	2.34	-2.27	1.73	-2.35	2.37	-2.69	2.02	3.42	-2.56	2.87	-1.36	8
	-1.60	2.71	-0.84	2.95	0.44		0.00		2.50	-1.18	3.66	-1.74	
9	-1.72	2.33	-2.56	1.83	3.91	-2.60	3.77	-2.68	3.27	-2.24	2.64	-1.06	9
	-1.19		-0.75	3.04	2.40	0.45	2.12	-0.29	2.68	-1.20	3.68	-1.73	
10	2.91	-2.04	-2.83	1.81	4.01	-2.54	3.61	-2.74	2.99	-1.96	2.37	-0.66	10
	2.37	-1.04	-0.65		2.69	0.56	2.30	-0.42	3.17	-1.15	3.67		
11	3.05	-2.24	3.05	-3.11	4.09	-2.49	3.42	-2.63	2.71	-1.50	-1.71	2.25	11
	2.33	-0.83	1.70	-0.51	2.68	0.37	2.48	-0.63	3.45	-1.31	0.03	3.63	
12	3.13	-2.35	3.13	-3.10	3.84	-2.63	3.12	-2.47	2.23	-1.23	-1.67	2.17	12
	2.28	-0.57	2.01	-0.09	2.69	0.18	2.77	-0.75	3.42		0.30	3.42	
13	3.24	-2.32	3.41	-2.86	3.46	-2.60	2.85	-2.11	-1.61	1.86	-1.76	2.71	13
	2.36	-0.10	2.22	0.18	2.88	0.03	3.10	-0.74	-0.92	3.45	0.30	3.15	
14	3.42	-2.24	3.52	-2.75	3.22	-2.27	2.55	-1.60	-1.71	1.71	-1.91	2.24	14
	2.30	0.08	2.06	0.00	3.00	-0.26	3.32		-0.33	3.42	0.07	3.03	
15	3.31	-2.63	3.15	-2.90	2.85	-1.94	-1.09	1.97	-1.87	1.77	-1.98	2.32	15
	2.12	0.34	2.20	0.16	3.10		-1.49	3.30	0.01	3.44	-0.27	2.92	
16	3.13	-2.60	2.92	-2.87	-0.64	2.38	-1.66	1.52	-1.98	1.93	-1.98	2.38	16
	2.01	0.47	2.45	0.10	-1.80	3.39	-0.94	3.46	0.12	3.33	-0.61	2.85	
17	2.88	-2.62	2.59	-2.81	-1.08	1.91	-1.79	1.70	-2.09	2.08	-1.98	2.54	17
	1.93	0.34	2.49		-1.08	3.61	-0.27	3.52	-0.07	3.36	-0.79	2.91	
18	2.47	-2.76	-0.34	2.31	-1.64	1.86	-2.07	1.70	-2.21	2.18	-1.80	2.59	18
	1.81		-2.37	2.89	-0.56	3.79	-0.16	3.57	-0.21	3.35	-1.05		
19	0.65	2.15	-0.80	2.14	-1.86	1.94	-2.22	1.97	-2.23	2.22	2.75	-1.69	19
	-2.78	2.01	-1.90	3.14	-0.58	3.72	0.08	3.66	-0.43	3.14	2.60	-1.31	
20	-0.54	2.12	-1.44	1.59	-2.44	2.01	-2.39	2.07	-2.28	2.34	2.65	-1.57	20
	-2.62	2.53	-2.23	3.12	-0.12	3.87	-0.05	3.61	-0.53		2.72	-1.47	
21	-1.09	2.41	-2.49	1.87	-2.57	2.13	-2.38	2.14	3.17	-1.97	2.52	-1.35	21
	-2.26	3.02	-1.40	3.49	-0.03	3.85	-0.02		2.54	-0.52	2.82	-1.66	
22	-1.67	2.43	-2.73	2.03	-2.66	2.19	3.65	-2.35	2.98	-1.93	2.29	-1.26	22
	-2.22	3.18	-1.04	3.62	0.10		2.32	-0.08	2.52	-0.79	2.69	-1.89	
23	-2.12	2.45	-2.87	2.19	3.84	-2.74	3.55	-2.31	2.83	-1.78	1.90	-1.07	23
	-1.95	3.47	-0.73	3.81	2.26	-0.03	2.37	-0.19	2.59	-1.01	2.66	-2.09	
24	-2.42	2.82	-2.99	2.33	3.71	-2.76	3.34	-2.21	2.60	-1.65	1.80	-0.64	24
	-1.16		-0.26		2.17	-0.25	2.42	-0.22	2.64	-1.08	2.76	-2.01	
25	3.79	-2.64	3.92	3.00	3.26	-3.06	3.17	-2.10	2.32	-1.36	1.69	-0.15	25
	2.45	-1.12	2.40	-0.13	2.06	-0.30	2.55	-0.21	2.03	-1.04	2.83	-1.81	
26	3.56	-3.17	3.81	-2.97	2.94	-2.86	2.91	-1.81	2.16	-1.01	1.72	0.21	26
	2.25	-0.99	2.50	0.09	2.24	-0.08	2.75	-0.20	2.85	-1.11	2.83	-1.89	
27	3.50	-3.25	3.72	-2.88	2.69	-2.68	2.65	-1.39	1.70	-0.74	1.55	0.30	27
	2.12	-0.67	2.45	0.18	2.24	-0.24	2.87	-0.38	2.77	-1.42	2.63		
28	3.35	-3.24	3.36	-2.81	2.22	-2.44	2.37	-1.19	1.28	-0.40	-2.08	1.65	28
	2.14	-0.21	2.45	0.36	2.37	-0.17	3.04	-0.38	2.65		0.37	2.71	
29	3.20	-2.97	3.08	-2.74	1.93	-1.95	1.94	-0.88	-1.73	1.04	-2.03	1.99	29
	2.19	0.12	2.62	0.64	2.46		2.95		-0.11	2.57	0.17	2.78	
30	2.96	-2.74	2.85	-2.16	-0.38	1.36	-0.78	1.33	-1.98	1.09	-2.17	2.22	30
	2.21	0.29	2.79	0.43	-1.63	2.51	-0.47	2.84	0.28	2.80	-0.36	2.84	
31			2.38	-1.87			-1.22	1.02	-2.04	1.57			31
			2.74				-0.06	2.81	0.42	3.09			
MAXIMUM	3.79		3.92		4.09		3.77		3.92		3.68		MAXIMUM
MINIMUM	-3.25		-3.11		-3.06		-2.74		-2.65		-2.37		MINIMUM

MAXIMUM GAGE HEIGHT OF RECORD: 5.7 - 4/6/58

ZERO OF GAGE; 1929 TO 1940 -2.21 USCGS
1940 TO 1942 -5.00 USCGS
1942 TO DATE 0.00 USCGS

TABLE B - 13
CONTENTS OF RESERVOIRS
(IN ACRE FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A55527	FRENCHMAN LAKE NEAR CHILCOOT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	38,024	37,699	37,599	37,949	38,577	39,263	39,276	41,817	50,194E	44,885	40,776	32,565	1
2	38,024	37,699	37,612	37,974	38,653	39,276	39,263	42,230	50,120E	44,844	40,528	32,452	2
2	37,974	37,686	37,724	38,011	38,678	39,302	39,212	42,619	50,031E	44,802	40,242E	32,339	3
4	37,961	37,674	37,736	38,024	38,742	39,315	39,212	42,861	49,957E	44,747	39,957E	32,215	4
5	37,899	37,662	37,749	38,049	38,767	39,366	39,200	43,037	49,869E	44,705	39,686	32,092	5
6	NR	37,662	37,749	38,111	38,792	39,391	39,136	43,308E	49,795	44,664	39,315	31,969	6
7	37,836	37,662	37,761	38,136	38,818	39,481	39,110	43,580E	49,633	44,581	38,996	31,846	7
8	37,824	37,637	37,724	38,212	38,843	39,532	39,059	43,853E	49,427	44,498	38,653	31,724E	8
9	37,799	37,637	37,736	38,199	38,983	39,558	39,008	44,333E	49,207	44,360	38,363	31,602E	9
10	37,799	37,624	37,736	38,237	39,008	39,558	38,970	44,816E	49,002	44,195	38,024	31,547E	10
11	37,786	37,624	37,761	38,224	39,059	39,571	38,932	45,233E	48,754	44,017	37,699	31,436	11
12	37,749	37,624	37,749	38,237	39,123	39,558	38,907	45,652E	48,521	43,825	37,376	31,304	12
13	37,749	37,612	37,736	38,249	NR	39,532	38,983	46,144E	48,274	43,634E	37,055	31,172	12
14	37,736	37,612	37,736	38,262	NR	39,481	39,021	46,639E	48,028	43,471E	36,735	31,062	14
15	37,736	37,599	37,736	38,275	NR	39,430	39,059	47,138E	47,740	43,321E	36,417	30,975	15
16	37,739	37,587	37,786	38,275	NR	39,391	39,098	47,567E	47,453	43,186E	36,102	30,843	16
17	37,724	37,587	37,786E	38,300	NR	39,340	39,123	NR	47,123	43,077E	35,763	30,745	17
18	37,711	37,574	37,786E	38,300	NR	39,302	39,174	NR	46,867	42,969E	35,487	30,636	18
19	37,699	37,550	37,786E	38,312	39,443	39,276	39,276	NR	46,611	42,861E	35,236	30,528	19
20	37,674	37,562	37,786E	38,312	39,430	39,238	39,404	NR	46,356	42,754E	34,939	30,387	20
21	37,711	37,624	37,786E	38,312	39,417	39,327	39,507E	NR	46,088	42,659E	34,714	30,268	21
22	37,674	37,637	37,786E	38,338	39,391	39,289	39,686E	NR	45,792	42,565E	34,420	30,128	22
23	37,674	37,624	37,786E	38,350	39,379	39,276	39,918E	NR	45,470	42,471E	34,104	30,021	22
24	37,649	37,587	37,786E	38,375	39,366	39,302	40,294E	NR	45,331	42,378E	33,802	29,913	24
25	37,662	37,612	37,786E	38,388	39,327	39,366	40,541E	NR	45,247	42,244	33,547	29,774	25
26	37,649	37,612	37,786E	38,363	39,302	39,379	40,776E	NR	45,177	42,044E	33,374	29,646	26
27	37,674	37,612	37,786E	38,363	39,289	39,379	NR	NR	45,108	41,844E	33,237	29,529	27
28	37,686	37,587	37,786E	38,363	39,276	39,353	NR	50,269E	45,080	41,645E	33,111	29,401	28
29	37,699	37,587	37,799	38,338		39,353	NR	50,269E	45,010	41,446E	32,974	29,285	29
30	37,699	37,599	37,961	38,338		39,340	41,446E	50,269E	44,941	41,222E	32,837	29,158	30
21	37,711		37,961	38,388		39,315		50,269E		40,999	32,712		21
CHNG	-338	-112	+362	+427	+888	+39	+2,131	+8,823	-5,328	-3,942	-8,287	-3,554	CHNG
MAX.	38,024	37,699	37,961	38,388	NR	39,571	41,446	NR	50,194	44,885	40,776	32,565	MAX.
MIN.	37,649	37,550	37,599	37,949	38,577	39,263	38,907	NR	44,941	40,999	32,712	29,158	MIN.

E — ESTIMATED
NR — NO RECORD

WATER YEAR SUMMARY

MAXIMUM					MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME	CONTENT	GAGE HT.	MO	DAY	TIME
NR					29,158	5567.9	9	30	2400

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC. T & R. M.D B &M	CFS	GAGE HT	DATE	INFLOW	CONTENT	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
39 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.)
CONTENTS OF RESERVOIRS
(IN ACRE FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A55383	LAKE DAVIS NEAR PORTOLA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	70,945	68,871	68,115	68,655	60,877	63,125	65,805	65,664	79,380	79,653	76,677	74,363	1
2	70,909	68,763	68,044	68,475	60,877	63,193	65,594	66,016	79,536	79,536	76,601	74,251	2
2	70,799	68,655	68,439	68,080	61,587	63,193	65,594	66,653	79,653	79,458	76,486	74,175	2
4	70,762	68,583	68,475	67,829	61,791	63,193	65,699	67,008	79,731	79,380	76,372	74,063	4
5	70,579	68,547	68,439	67,507	61,791	63,262	65,664	67,222	79,887	79,302	76,219	73,988	5
6	70,469	68,403	68,403	67,329	61,791	63,297	65,594	67,364	80,122	79,224	76,105	73,875	6
7	70,360	68,475	68,403	67,115	61,791	63,849	65,523	67,614	80,318	79,107	75,991	73,838	7
8	70,396	68,403	68,367	67,150	61,859	64,196	65,383	68,044	80,318	79,030	75,991	73,725	8
9	70,360	68,331	68,331	66,830	62,336	64,231	65,243	68,779	80,397	78,874	75,915	73,725	9
10	70,250	68,223	68,331	66,476	62,336	64,266	65,208	69,632	80,397	78,797	75,762	73,875	10
11	70,104	68,223	68,331	66,193	62,302	64,266	65,033	70,506	80,436	78,719	75,648	73,838	11
12	69,995	68,151	68,439	65,875	62,747	64,266	64,858	71,386	80,436	78,603	75,573	73,838	12
13	69,922	68,115	68,367	65,559	62,918	64,439	64,848	72,273	80,436	78,525	75,535	73,875	13
14	69,850	68,008	68,403	65,243	63,021	64,405	64,823	73,127	80,397	78,448	75,383	73,763	14
15	69,777	67,972	68,439	64,963	62,953	64,579	64,753	73,763	80,357	78,370	75,307	73,688	15
16	69,704	67,972	68,367	64,648	63,021	64,614	64,648	74,401	80,357	78,293	75,194	73,613	16
17	69,632	67,829	68,403	64,300	63,021	64,579	64,544	75,004	80,318	78,216	75,080	73,538	17
18	69,523	67,936	68,367	64,023	62,987	64,579	64,439	75,611	80,436	78,138	75,194	73,463	18
19	69,450	67,900	68,367	63,711	63,159	64,788	64,405	76,372	80,397	78,061	75,459	73,389	19
20	69,414	67,793	68,331	63,400	63,193	64,788	64,370	76,677	80,357	77,945	75,345	73,314	20
21	69,269	68,295	68,331	63,125	63,159	65,278	64,370	76,831	80,318	77,907	75,459	73,239	21
22	69,197	68,259	68,295	62,815	63,159	65,313	64,370	77,099	80,240	77,752	75,345	73,165	22
22	69,088	68,259	68,295	62,507	63,125	65,313	64,405	77,445	80,122	77,675	75,231	73,090	23
24	68,980	68,259	68,187	62,200	63,125	65,559	64,893	77,752	80,201	77,598	75,118	72,978	24
25	68,907	68,295	68,187	61,825	63,090	65,840	64,998	77,868	80,161	77,483	75,042	72,904	25
26	68,835	68,223	68,115	61,655	63,090	65,875	64,998	78,138	80,083	77,368	74,967	72,867	26
27	68,799	68,223	68,727	61,350	63,090	65,911	64,998	78,216	80,044	77,252	74,778	72,755	27
28	68,980	68,223	68,727	61,012	63,125	65,875	65,068	78,409	79,927	77,137	74,702	72,681	28
29	68,907	68,187	68,691	60,709		65,840	65,208	78,680	79,887	77,022	74,627	72,606	29
30	68,835	68,151	68,691	60,373		65,911	65,418	78,835	79,731	76,945	74,552	72,532	30
21	68,907		68,655	60,339		65,875		79,069		76,792	74,439		21
CHNG	-2,112	-756	+504	-8,316	+2,786	+2,750	-457	+13,651	+662	-2,939	-2,353	-1,907	CHNG
MAX.	70,945	68,871	68,727	68,655	63,193	65,911	65,805	79,069	80,436	79,653	76,677	74,363	MAX.
MIN.	68,799	67,793	68,044	60,339	60,877	63,125	64,370	65,664	79,380.	76,792	74,439	72,532	MIN.

E — ESTIMATED
NR — NO RECORD

WATER YEAR SUMMARY

MAXIMUM					MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME	CONTENT	GAGE HT.	MO	DAY	TIME
80,436	5774.0	6	18	2400	60,339	5768.5	1	31	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 s 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 releaae 108 acre-feet. Daily content given is shown at 2400 hours. Drainage area is 44.0 square miles.

TABLE B - 13 (CONT.)

CONTENTS OF RESERVOIRS

(IN ACRE FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A54473	ANTELOPE LAKE NEAR BOULDER CREEK GUARD STATION

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	20,596	20,094	19,963	20,033	14,175E	14,430	16,919	21,220	24,093	22,940	22,491	21,085	1
2	20,578	20,094	19,955	19,998	13,999E	14,488	17,022	21,518	24,112	22,912	22,445	21,031	2
3	20,551	20,094	19,990	19,773	13,790E	14,660	17,077	22,140	24,056	22,903	22,399	20,986	3
4	20,534	20,094	20,024	19,575	13,651E	14,711	17,172	22,482	23,996	22,893	22,334	20,951	4
5	20,507	20,094	20,024	19,378	13,617E	14,783	17,235	22,743	23,958	22,874	22,278	20,915	5
6	20,481	20,094	20,024	19,199	13,630E	14,841	17,243	23,006	23,929	22,865	22,223	20,870	6
7	20,463	19,998	20,033	19,030	13,637E	14,987	17,291	23,242	23,842	22,856	22,167	20,835	7
8	20,445	19,998	20,016	18,870	13,651E	15,104	17,347	23,470	23,737	22,837	22,112	20,790	8
9	20,428	19,990	20,016	18,652	13,665E	15,177	17,403	23,670	23,660	22,818	22,057	20,764	9
10	20,401	19,981	20,007	18,436	13,686E	15,229	17,435E	23,842	23,594	22,809	22,011	20,746	10
11	20,375	19,981	20,033	18,230	13,755	15,281	17,491E	24,016	23,527	22,799	21,956	20,737	11
12	20,357	19,981	20,051	18,025	13,762	15,325	17,571E	24,073	23,460	22,790	21,901	20,701	12
13	20,340	19,981	20,059	17,822	13,845	15,377	17,668E	24,170	23,422	22,781	21,855	20,684	13
14	20,322	19,963	20,068	17,619	13,971	15,414	17,789E	24,277	23,356	22,771	21,800	20,666	14
15	20,304	19,963	20,077	17,411	14,034	15,466	17,935E	24,277	23,318	22,762	21,755	20,630	15
16	20,278	19,955	20,077	17,212	14,076	15,511	18,099E	24,189	23,261	22,762	21,700	20,595	16
17	20,261	19,911	20,077	17,085	14,111	15,555	18,263E	24,218	23,204	22,762	21,645	20,568	17
18	20,243	19,911	20,068	16,794	14,132	15,615	18,445E	24,306	23,195	22,734	21,654	20,533	18
19	20,217	19,911	20,059	16,591	14,154	15,765	18,636E	24,296	23,204	22,734	21,663	20,498	19
20	20,190	19,894	20,059	16,382	14,210	15,848	18,803E	24,122	23,185	22,725	21,645E	20,454	20
21	20,173	19,963	20,059	16,175	14,246	16,008	19,013E	23,958	23,147	22,715	21,618	20,418	21
22	20,164	19,963	20,051	15,985	14,267	16,076	19,216E	23,939	23,119	22,706	21,582	20,374	22
23	20,138	19,963	20,024	15,773	14,281	16,122	19,429E	24,006	23,072	22,687	21,536	20,330	23
24	20,120	19,963	20,024	15,585	14,295	16,229	19,644E	24,073	23,072	22,678	21,491	20,295	24
25	20,103	19,972	20,016	15,377	14,316	16,390	19,877E	24,083	23,062	22,659	21,446	20,251	25
26	20,085	19,972	20,007	15,209E	14,338	16,498	20,042E	24,035	23,044	22,640	21,400	20,216	26
27	20,077	19,972	20,042	15,025E	14,359	16,584	20,181E	24,054E	23,015	22,612	21,337	20,173	27
28	20,085	19,972	20,068	14,843E	14,388	16,622	20,392E	24,073E	22,987	22,594	21,292	20,138	28
29	20,085	19,972	20,051	14,661E		16,685	20,657E	24,083E	22,960	22,575	21,238	20,094	29
30	20,085	19,972	20,051	14,482E		16,770	20,906	24,093E	22,950	22,538	21,193	20,059	30
31	20,085		20,042	14,303E		16,841		24,102E		22,529	21,139		31
CHNG	-537	-113	+70	-5,721	+85	+2,453	+4,065	+3,196	-1,152	-421	-1,390	-1,080	CHNG
MAX.	20,596	20,094	20,077	20,033	14,388	16,841	20,906	24,306	24,112	22,940	22,491	21,085	MAX.
MIN.	20,077	19,894	19,955	14,303E	13,617E	14,430	16,919	21,220	22,950	22,529	21,139	20,059	MIN.

E — ESTIMATED
NR — NO RECORD

WATER YEAR SUMMARY

MAXIMUM					MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME	CONTENT	GAGE HT.	MO.	DAY	TIME
24,306	5003.8	5	18	2400	13,617	4990.9	2	5	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		
40 10 42	120 36 20	SE 22 27N 12E					JAN 1964-DATE	1964		4900.00	USCGS

Station located at toe of Antelope Dam on Indian Creek, 1.3 miles south of Boulder Creek Guard Station, 12 miles northeast of Genesee.

Antelope Dam was completed in July 1964; however, usable storage began on November 25, 1963. The lake has a usable capacity of 22,239 acre-feet between elevations 4950 feet (lip of intake tower) and 5002 feet (crest of spillway).

Daily content given is shown at 2400 hours.

Drainage area is 68.6 square miles.

TABLE B - 13 (CONT.)
CONTENTS OF RESERVOIRS
(IN THOUSANDS OF ACRE FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A51141	LAKE OROVILLE NEAR OROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2,379.4	2,069.8	1,823.8	1,667.0	1,663.2	2,026.8	2,687.7	3,124.2	3,409.8	3,466.5	3,211.2	2,975.4	1
2	2,363.2	2,073.2	1,812.4	1,659.0	1,667.6	2,042.0	2,701.3	3,125.8	3,423.4	3,461.7	3,203.7	2,965.9	2
3	2,345.6	2,077.1	1,798.0	1,662.0	1,670.9	2,055.7	2,715.9	3,127.7	3,439.9	3,458.2	3,190.3	2,959.0	3
4	2,329.1	2,074.1	1,786.4	1,666.5	1,677.2	2,069.1	2,732.2	3,130.7	3,454.8	3,465.6	3,177.4	2,951.4	4
5	2,327.0	2,066.2	1,772.7	1,669.7	1,681.0	2,081.1	2,749.6	3,129.3	3,466.7	3,464.0	3,164.0	2,945.6	5
6	2,320.9	2,065.1	1,758.2	1,664.9	1,685.2	2,097.1	2,766.7	3,123.3	3,474.9	3,466.2	3,150.6	2,948.9	6
7	2,307.1	2,064.3	1,747.7	1,666.0	1,690.0	2,116.0	2,781.6	3,117.5	3,484.6	3,465.4	3,145.6	2,954.0	7
8	2,289.2	2,063.1	1,738.3	1,671.6	1,704.0	2,152.1	2,795.5	3,113.6	3,485.5	3,460.0	3,136.2	2,945.7	8
9	2,269.7	2,067.5	1,728.2	1,671.9	1,727.5	2,182.1	2,810.5	3,114.0	3,484.0	3,455.0	3,132.6	2,935.6	9
10	2,252.8	2,071.4	1,719.2	1,673.5	1,746.6	2,200.8	2,826.0	3,115.5	3,480.2	3,445.5	3,129.1	2,927.6	10
11	2,236.3	2,068.3	1,712.4	1,679.8	1,759.9	2,219.3	2,841.1	3,126.4	3,475.9	3,434.5	3,120.7	2,921.2	11
12	2,235.1	2,064.4	1,708.7	1,685.3	1,784.8	2,235.9	2,857.1	3,137.7	3,470.4	3,425.2	3,104.9	2,911.4	12
13	2,230.2	2,059.4	1,712.4	1,682.8	1,844.5	2,245.3	2,873.8	3,148.5	3,458.6	3,421.7	3,088.8	2,909.0	13
14	2,213.1	2,046.4	1,719.1	1,676.6	1,874.3	2,261.0	2,885.8	3,157.0	3,459.5	3,412.1	3,084.0	2,903.9	14
15	2,198.5	2,031.8	1,725.1	1,669.0	1,892.5	2,277.4	2,900.3	3,166.0	3,469.0	3,403.8	3,075.9	2,892.0	15
16	2,180.6	2,023.3	1,717.1	1,663.2	1,905.7	2,294.8	2,916.3	3,172.2	3,474.8	3,386.9	3,070.6	2,886.4	16
17	2,161.4	2,022.0	1,706.9	1,663.6	1,915.7	2,299.9	2,933.1	3,178.0	3,479.8	3,377.0	3,071.6	2,880.6	17
18	2,145.8	2,010.2	1,698.2	1,668.2	1,922.6	2,318.2	2,948.3	3,188.4	3,481.2	3,368.3	3,066.3	2,877.5	18
19	2,143.5	1,998.9	1,698.0	1,672.6	1,936.2	2,346.3	2,965.6	3,197.1	3,483.4	3,357.9	3,054.9	2,876.0	19
20	2,144.4	1,989.6	1,697.5	1,669.7	1,949.6	2,378.6	2,988.1	3,211.7	3,485.2	3,350.0	3,038.7	2,877.6	20
21	2,130.1	1,977.3	1,700.2	1,666.7	1,960.6	2,402.8	3,001.1	3,223.8	3,490.4	3,339.4	3,028.4	2,878.0	21
22	2,115.4	1,960.5	1,700.7	1,664.3	1,972.7	2,427.5	3,010.3	3,235.3	3,493.1	3,329.4	3,017.1	2,878.8	22
23	2,100.2	1,945.9	1,696.7	1,667.3	1,980.5	2,447.0	3,025.7	3,244.7	3,494.9	3,322.7	3,015.5	2,878.8	23
24	2,085.5	1,932.7	1,691.9	1,671.1	1,990.2	2,469.6	3,048.6	3,266.8	3,497.9	3,313.2	3,012.1	2,877.5	24
25	2,077.2	1,917.0	1,695.3	1,675.7	1,999.0	2,523.2	3,080.2	3,289.1	3,494.5	3,298.5	3,005.6	2,872.8	25
26	2,079.9	1,902.8	1,690.5	1,676.5	2,005.6	2,561.7	3,102.0	3,304.4	3,487.4	3,286.6	3,005.2	2,870.5	26
27	2,083.6	1,887.8	1,682.9	1,673.7	2,007.7	2,590.5	3,117.4	3,319.3	3,476.5	3,279.1	2,996.4	2,869.3	27
28	2,082.6	1,870.7	1,682.3	1,670.2	2,016.1	2,614.0	3,124.6	3,333.2	3,478.8	3,265.7	2,991.0	2,869.8	28
29	2,077.4	1,855.8	1,686.1	1,667.9		2,635.0	3,129.3	3,347.4	3,485.1	3,249.4	2,990.6	2,865.1	29
30	2,073.4	1,840.1	1,678.4	1,665.8		2,655.0	3,127.1	3,363.7	3,475.9	3,238.1	2,987.3	2,857.5	30
31	2,072.6		1,667.1	1,662.1		2,673.6		3,385.6		3,224.9	2,983.9		31
CHNG	-324.4	-232.5	-173.0	-5.0	+354.0	+657.5	+453.5	+258.5	+90.3	-251.0	-241.0	-126.4	CHNG
MAX.	2,379.4	2,077.1	1,823.8	1,685.3	2,016.1	2,673.6	3,129.3	3,385.6	3,497.9	3,466.5	3,211.2	2,975.4	MAX.
MIN.	2,072.6	1,840.1	1,667.1	1,662.0	1,663.2	2,026.8	2,687.7	3,113.6	3,409.8	3,224.9	2,983.9	2,857.5	MIN.

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

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM CONTENT	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM CONTENT	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
	3,497,909	897.48	6	24	2400	1,662,119	748.34	1	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 32 06	121 28 24	SW 1 19N 4E					NOV 1967-DATE	1967		0.47	USCGS

Recorder located near intake structure at left end 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. Daily content given is shown at 2400 hours.

TABLE B - 13 (CONT.)
CONTENTS OF RESERVOIRS
(IN THOUSANDS OF ACRE FEET)

WATER YEAR	STATION NO.	STATION NAME
1975	A65105	CAMP FAR WEST RESERVOIR NEAR SHERIDAN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	81.6	88.0	95.6	100.6	105.3	105.1	106.8	106.1	105.9	102.3	88.2	75.9	1
2	81.7	88.4	96.1	100.6	107.4	105.1	106.6	106.4	105.9	102.1	87.7	75.6	2
3	81.9	88.8	96.5	100.6	107.2	104.8	106.4	106.6	105.9	101.8	87.1	75.3	3
4	82.2	89.2	96.9	100.8	107.4	104.8	106.6	106.6	105.9	101.8	86.7	75.1	4
5	82.4	89.5	97.1	100.8	106.4	105.1	107.4	106.6	105.9	101.6	86.4E	74.8	5
6	82.5	89.9	97.3	102.3	105.7	105.1	107.2	106.6	105.7	101.4	85.8E	74.3	6
7	82.7	90.7	97.4	104.4	105.7	106.1	106.8	106.6	105.7	101.2	85.3E	73.7	7
8	82.9	91.8	97.6	106.1	106.4	107.7	106.8	106.4	105.7	101.0	84.8E	72.9	8
9	83.0	92.6	97.6	105.5	107.7	107.4	106.8	106.4	105.5	100.5	84.3E	72.2	9
10	83.2	92.9	97.8	105.3	107.2	107.0	106.6	106.4	105.5	100.1	83.8E	71.6	10
11	83.3	93.1	97.8	105.1	106.4	106.6	106.4	106.6	105.5	99.5	83.5E	70.9	11
12	83.3	93.3	98.0	104.8	109.2	106.4	106.4	106.6	105.5	99.1	83.0E	70.3	12
13	83.5	93.5	98.0	104.8	109.8	106.4	106.4	106.6	105.5	98.8	82.5E	69.7	13
14	83.7	93.5	98.2	104.6	107.4	106.4	106.1	106.6	105.3	98.0	82.1E	69.1	14
15	83.7	93.7	98.2	104.6	106.4	106.1	106.4	106.6	105.1	97.4	81.6E	68.5	15
16	83.8	93.7	98.2	104.6	105.7	106.8	106.1	106.4	104.8	97.1	81.3E	68.2	16
17	84.0	93.7	98.2	104.4	105.5	106.4	106.1	106.4	104.6	96.5	80.8E	68.0	17
18	84.0	93.9	98.4	104.4	105.3	106.1	105.9	106.4	104.4	96.1	80.3E	67.5	18
19	84.2	93.9	98.4	104.4	105.7	106.6	105.9	106.1	104.4	95.6	80.1E	67.1	19
20	84.3	93.9	98.4	104.4	105.9	106.8	105.9	106.1	104.4	95.0	80.0E	67.0	20
21	84.3	94.2	98.4	104.4	105.5	108.3	105.9	106.1	104.4	94.4	79.8	66.7	21
22	84.5	94.4	98.4	104.4	105.3	108.3	105.7	106.1	104.2	93.7	79.5	66.4	22
23	84.6	94.6	98.6	104.4	105.3	107.7	105.9	106.1	104.0	93.1	79.3	66.3	23
24	84.6	94.8	98.6	104.4	105.3	108.5	106.4	106.1	103.8	92.6	79.0	66.1	24
25	84.8	95.0	98.6	104.4	105.1	112.2	107.0	105.9	103.6	92.0	78.7	66.0	25
26	84.8	95.4	98.6	104.4	105.1	109.6	107.0	106.1	103.5	91.2	78.2	65.9	26
27	84.8	95.4	98.8	104.4	105.1	108.3	106.8	106.1	103.5	90.7	77.7	65.7	27
28	84.8	95.6	99.9	104.4	105.1	107.7	106.6	106.1	103.3	89.9	77.2	65.6	28
29	85.4	95.6	100.3	104.4		107.4	105.9	106.1	103.1	89.4	77.1	65.3	29
30	87.1	95.6	100.5	104.4		107.0	105.7	105.9	102.7	89.2	76.7	65.2	30
31	87.7		100.5	104.6		107.0		105.9		88.6	76.4		31
CHNG	+6.3	+7.9	+4.9	+4.1	+0.5	+1.9	-1.3	+0.2	-3.2	-14.1	-12.2	-11.2	CHNG
MAX.	87.7	95.6	100.5	106.1	109.8	112.2	107.4	106.6	105.9	102.3	88.2	75.9	MAX.
MIN.	81.6	88.0	95.6	100.6	105.1	104.8	105.7	105.9	102.7	88.6	76.4	65.2	MIN.

E — ESTIMATED
NR — NO RECORD

WATER YEAR SUMMARY

MAXIMUM					MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME	CONTENT	GAGE HT	MO	DAY	TIME
113.3	304.10	3	25	1445	65.2	276.91	9	30	2400

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1 4 SEC. T & R M.D B &M.	CFS	GAGE HT	DATE	INFLOW	CONTENT	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
39 03 00	121 18 53	SW 21 14N 6E					MAR 1966-DATE	1966		0.00	USCGS

Station located near left abutment of Camp Far West Dam on the Bear River 6.4 miles east of Wheatland and 11.8 miles northwest of Sheridan. Camp Far West Reservoir, owned and operated by the South Sutter Irrigation District, began storage September 30, 1963. Station was installed March 1966, jointly by the South Sutter Irrigation District and the Department of Water Resources. The lake has a usable capacity of 139,600 acre-feet between the elevation 175.00 feet and 316.3 feet (top of spillway gate). Drainage area is 283 square miles. Daily content given is shown at 2400 hours.

TABLE B-14

DAILY INFLOW

This table presents the daily inflow rates to Folsom, Shasta, and Whiskeytown Lakes. The daily inflow rates were computed from information about changes in storage, releases, spills, precipitation, and evaporation. The computed values represent the flow at each damsite as if the dam did not exist.

TABLE B - 14 (CONT.)
DAILY INFLOW
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1975	A21051	INFLOW TO SHASTA LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	4,450	4,600	4,140	5,330	5,700	9,700	14,690	13,880	11,810	4,820	5,440	2,830	1
2	5,230	4,700	6,800	5,390	6,490	19,820	14,290	13,470	10,460	4,850	2,770	5,200	2
3	4,860	4,630	18,470	5,710	9,860	17,710	14,340	14,690	11,190	5,920	3,240	6,180	3
4	3,940	5,230	12,810	3,540	10,000	15,080	14,060	14,260	10,620	4,240	4,740	5,310	4
5	4,320	4,660	9,700	4,150	8,210	13,680	13,300	13,740	9,060	3,990	4,540	5,990	5
6	3,950	4,330	8,330	5,100	10,610	14,310	12,360	13,250	9,900	4,940	5,050	6,110	6
7	5,580	6,500	8,810	9,240	14,620	22,930	12,790	13,320	9,910	6,500	5,590	6,100	7
8	4,490	6,290	4,810	10,210	17,270	35,970	12,570	13,040	8,310	6,580	5,600	4,650	8
9	4,010	5,430	4,720	7,200	30,100	29,160	11,650	13,000	9,080	5,990	3,640	3,900	9
10	4,180	4,960	5,970	6,090	23,040	23,550	11,850	13,360	8,520	6,350	2,670	2,230	10
11	3,490	5,800	2,060	4,110	16,240	19,040	11,440	13,310	8,700	4,020	3,380	3,780	11
12	4,470	4,620	1,040	4,300	41,660	16,310	11,730	13,110	10,230	590	4,080	4,200	12
13	5,220	5,430	3,960	5,440	48,640	17,110	12,390	13,640	9,800	740	5,040	5,880	13
14	3,950	5,360	3,420	6,230	28,370	14,860	13,390	14,270	9,890	5,050	5,110	4,340	14
15	4,810	4,530	3,400	6,130	19,810	15,880	12,670	14,550	9,540	6,280	5,220	3,390	15
16	3,530	4,450	4,940	5,320	16,690	14,300	11,980	14,870	5,970	5,650	2,060	3,490	16
17	3,860	4,790	5,850	5,540	13,990	18,980	11,920	14,000	5,190	5,380	2,280	4,170	17
18	5,630	4,540	5,200	4,350	12,240	53,750	12,110	14,460	5,450	5,780	4,360	4,320	18
19	5,130	5,270	5,440	4,850	13,470	55,250	12,570	14,390	5,370	2,580	5,690	5,330	19
20	1,370	3,490	5,760	4,170	10,540	30,770	12,180	13,080	5,700	3,230	4,740	5,980	20
21	2,880	7,040	3,560	6,030	9,210	27,280	12,390	12,760	5,270	5,060	4,540	5,800	21
22	5,080	6,060	3,440	5,120	9,370	22,040	12,650	12,230	5,240	5,360	4,570	3,620	22
23	4,700	4,850	4,630	5,480	8,440 B	20,210	13,370	11,860	5,350	6,280	2,500	3,510	23
24	3,330	5,640	5,310	5,530	7,750	23,370	21,180	11,250	5,350	4,670	2,210	3,960	24
25	3,990	4,730	5,230	4,160	7,550	39,410	21,140	10,790	5,510	4,980	4,550	4,060	25
26	3,600	4,930	5,770	4,450	8,340	26,630	18,470	10,960	5,460	3,970	4,480	4,040	26
27	6,200 A	4,620	9,350	4,820	9,200	21,670	17,100	10,750	5,700	920	5,210	240	27
28	5,590	5,550	4,520	5,900	11,320	18,430	15,430	9,810	6,840	4,780	6,240	2,960	28
29	3,700	4,650	3,710	5,450		17,380	15,120	11,120	9,190	4,650	3,970	4,610	29
30	4,100	3,300	4,680	5,600		16,620	14,450	11,260	5,340	4,700	2,470	3,830	30
31	6,290		4,980	8,380		15,160		11,520		5,750	3,250		31
MEAN	4,385	5,033	5,833	5,591	15,312	22,786	13,853	12,903	7,798	4,665	4,169	4,334	MEAN
MAX.	6,290	7,040	18,470	10,210	48,640	55,250	21,180	14,870	11,810	6,580	6,240	6,180	MAX.
MIN.	1,370	3,300	1,040	3,540	5,700	9,700	11,440	9,810	5,190	590	2,060	240	MIN.
AC. FT.	270,130	299,470	358,640	343,780	849,690	1,401,070	824,300	793,400	464,040	286,810	256,330	257,870	AC. FT.

A - 25 hour day
B - 23 hour day

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
8,848											6,405,530

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
1975	A36171	INFLOW INTO WHISKEYTOWN LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1,840	360	340	390	720	1,160	4,310	1,720	2,780	2,900	1,270	2,810	1
2	1,780	380	810	360	570	1,960	4,180	1,690	2,870	2,820	2,930	2,760	2
3	1,740	290	2,550	440	800	1,650	4,230	1,730	3,400	2,860	1,170	2,840	3
4	1,770	300	1,290	360	770	1,330	4,150	1,660	3,870	2,920	1,310	2,880	4
5	1,840	350	660	460	720	1,370	4,140	1,750	3,880	2,880	950	2,880	5
6	1,820	370	610	570	970	1,310	4,010	1,730	3,870	2,870	1,230	2,750	6
7	1,520	410	510	700	1,320	5,960	3,950	1,680	3,960	2,780	1,470	2,800	7
8	1,320	390	540	1,020	1,800	8,490	3,910	1,710	4,020	2,940	1,040	2,790	8
9	1,850	350	430	810	3,190	4,300	3,870	1,710	4,010	2,810	1,060	2,790	9
10	1,380	340	460	630	2,180	2,930	3,760	1,660	4,010	2,870	1,040	2,820	10
11	1,240	480	450	640	1,330	2,140	3,810	1,420	3,960	2,860	2,950	2,740	11
12	1,610	400	430	550	3,340	1,730	3,830	1,380	3,750	2,790	2,390	2,760	12
13	1,720	340	470	760	3,400	1,550	3,870	1,240	3,270	2,900	3,120	2,750	13
14	1,730	420	490	720	1,990	1,580	3,900	2,820	2,570	2,840	3,220	2,750	14
15	1,680	430	490	750	1,340	2,060	3,850	2,570	3,300	2,910	3,080	1,680	15
16	1,880	440	390	550	1,000	2,200	3,760	2,360	3,790	2,830	2,760	1,670	16
17	1,750	420	540	500	790	2,540	3,750	1,390	3,740	2,880	2,870	1,590	17
18	1,660	500	720	540	1,100	3,790	3,710	1,400	3,650	2,830	2,740	1,640	18
19	3,640	480	500	610	1,100	3,700	3,740	1,320	3,060	2,880	2,850	1,570	19
20	3,680	480	600	560	970	2,540	3,710	410	2,740	2,820	2,750	1,630	20
21	3,690	820	460	520	910	2,550	3,720	420	2,910	1,250	2,830	1,620	21
22	3,370	490	520	640	900	1,880	3,710	380	3,510	1,350	2,890	1,560	22
23	3,400	420	490	530	900 B	1,720	3,860	430	2,800	1,480	2,790	1,270	23
24	3,430	370	380	500	930	2,080	4,340	1,490	2,890	970	2,750	1,580	24
25	3,370	430	470	500	890	3,640	4,240	2,100	3,080	1,980	2,790	1,530	25
26	3,430	360	400	550	930	2,900	3,980	2,070	2,830	2,770	2,830	1,620	26
27	3,610 A	400	790	500	840	2,070	3,970	2,390	2,870	1,250	2,790	1,580	27
28	3,610	370	770	480	910	2,490	3,870	2,250	2,820	1,280	2,770	1,580	28
29	3,490	340	460	460		2,500	1,820	2,400	2,950	1,270	2,780	1,650	29
30	3,570	340	470	460		2,530	1,520	2,820	2,830	1,210	2,780	1,500	30
31	3,590		390	710		3,570		2,710		1,250	2,790		31
MEAN	2,452	409	609	573	1,308	2,652	3,782	1,704	3,333	2,363	2,355	2,146	MEAN
MAX.	3,690	820	2,550	1,020	3,400	8,490	4,340	2,820	4,020	2,940	3,220	2,880	MAX.
MIN.	1,240	290	340	360	570	1,160	1,520	380	2,570	970	950	1,270	MIN.
AC. FT.	151,060	24,330	37,450	35,250	72,540	163,080	225,070	104,750	198,330	145,290	144,780	127,720	AC. FT.

A - 25 hour day
B - 23 hour day

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

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
1,974											1,429,650

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 uaable 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
1975	A71120	INFLOW TO FOLSOM LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1,890	2,320	1,290	1,510	2,660	3,300	6,270	6,810	9,250	2,620	2,240	2,250	1
2	1,630	1,760	2,320	1,430	4,890	3,000	5,970	7,090	8,700	3,140	2,020	2,230	2
3	2,220	900	2,560	1,840	3,330	3,270	5,920	7,570	8,680	3,230	1,750	2,030	3
4	2,350	1,730	3,120	2,100	5,160	3,730	6,030	8,190	8,390	2,830	1,460	2,390	4
5	1,900	2,040	2,570	1,400	3,660	4,060	6,070	7,090	8,620	2,140	1,860	3,080	5
6	1,230	2,110	2,350	2,800	3,670	4,830	5,110	6,270	8,710	2,410	1,760	2,500	6
7	1,280	1,890	2,090	4,930	3,660	5,220	5,160	5,980	8,580	2,160	1,780	2,160	7
8	2,170	1,900	1,530	6,840	3,450	7,780	5,630	6,280	7,920	3,000	2,040	2,250	8
9	1,790	1,890	1,630	4,840	8,370	6,240	5,580	6,880	7,770	2,720	1,900	2,300	9
10	2,040	1,180	1,590	2,900	10,090	5,310	5,410	7,580	6,910	2,410	1,610	2,400	10
11	1,970	1,740	1,580	2,050	6,230	5,040	5,270	8,130	6,630	2,360	1,260	2,230	11
12	1,660	2,240	1,810	1,920	4,690	4,930	5,320	8,380	6,470	2,280	1,970	2,260	12
13	1,090	2,480	1,710	1,770	11,520	5,270	4,720	9,360	6,190	2,040	1,840	2,180	13
14	1,650	2,260	1,860	2,470	8,770	4,740	5,940	10,130	6,380	2,040	1,880	2,270	14
15	1,940	2,410	1,320	3,100	5,930	4,620	5,630	10,360	6,420	2,640	1,770	2,020	15
16	1,730	1,640	1,500	2,770	3,820	5,920	5,390	8,740	6,310	2,230	1,920	2,200	16
17	2,010	1,380	1,950	2,960	3,170	4,920	5,330	9,150	6,230	2,130	1,720	2,290	17
18	2,040	1,980	1,990	2,310	3,000	5,290	5,100	9,910	5,970	2,570	1,490	1,990	18
19	1,610	2,240	1,990	1,820	3,610	4,400	4,900	10,240	5,430	2,290	1,970	1,870	19
20	1,400	2,160	1,970	1,730	5,880	5,320	4,210	9,470	4,990	1,250	2,160	2,010	20
21	1,360	2,600	2,010	2,480	5,300	6,240	4,790	7,990	4,240	1,750	2,570	2,200	21
22	1,950	3,040	1,610	2,180	4,210	9,180	5,350	7,310	3,180	2,630	2,600	2,020	22
23	2,130	2,410	1,290	2,730	3,430 B	6,470	5,680	7,560	2,530	2,130	1,920	2,160	23
24	2,040	1,610	1,920	2,340	3,580	6,610	5,780	8,120	3,680	1,950	2,420	2,230	24
25	2,140	2,080	1,200	2,300	3,550	29,890	9,750	8,610	3,280	2,710	2,240	2,420	25
26	1,620	2,720	1,240	1,840	3,350	17,440	7,220	8,310	3,230	1,960	1,960	2,400	26
27	2,070 A	2,590	2,030	1,800	3,440	11,330	5,920	8,480	2,930	1,640	1,960	2,370	27
28	1,590	1,800	3,060	2,930	3,780	8,940	5,940	8,650	2,890	1,350	1,940	2,100	28
29	1,820	1,720	1,600	2,950		7,460	6,140	8,750	2,270	1,810	1,910	2,110	29
30	1,940	1,700	1,690	2,000		5,860	6,270	8,790	2,830	1,570	2,350	2,320	30
31	2,410		1,990	2,820		6,410		8,790		1,840	2,090		31
MEAN	1,828	2,017	1,883	2,576	4,864	6,872	5,727	8,225	5,854	2,253	1,947	2,241	MEAN
MAX.	2,410	3,040	3,120	6,840	11,520	29,890	9,750	10,360	9,250	3,230	2,600	3,080	MAX.
MIN.	1,090	900	1,200	1,430	2,660	3,000	4,210	5,980	2,270	1,250	1,260	1,870	MIN.
AC. FT.	112,580	120,040	115,780	158,400	269,870	422,530	340,770	505,730	348,320	138,510	119,760	133,370	AC. FT.

A - 25 hour day
B - 23 hour day

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

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
3,848											2,785,660

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.

TABLE B-15
GAGING STATION
ADDITIONS AND DISCONTINUATIONS

ADDITIONAL STATIONS

A15145	Burney Creek near Burney	10-1-74
A02380	Sacramento River at Meridian	12-20-74

DISCONTINUED STATIONS

A15150	Burney Creek near Burney	9-30-74
A81200	Cache Creek above Rumsey	7-3-75
A54750	Last Chance Creek at Dixie Refuge Damsite	9-30-75
A54455	Red Clover Creek above Abbey Bridge Damsite	9-30-75

PUBLICATIONS DISCONTINUED

B02920	Duck Creek Diversion near Farmington	9-30-74
B02870	Littlejohn Creek at Farmington	9-30-74

PUBLISHED DATA FROM PRIOR YEARS

A02570	Sacramento River at Ord Ferry	1973-74

TABLE B-16

CORRECTIONS AND REVISIONS TO PREVIOUSLY PUBLISHED REPORTS OF SURFACE WATER DATA

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 made prior to publication of Bulletin No. 130-68, "Hydrologic Data: Northeastern California", are in Bulletin No. 130-67. This report contains corrections made since publication of Bulletin No. 130-67.

TABLE B-16

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, Sacramento to Redding	Total Diversions	October	28,490	66,118
					November	4,263	17,939
					December	2,860	6,887
					January	1,585	1,772
					February	1,468	1,592
					March	2,870	7,856
					April	149,695	302,010
					May	211,918	378,193
					June	207,730	353,650
					July	191,624	350,907
					August	172,832	313,752
					September	66,143	119,869
					TOTAL	104,148	1,920,545
				Average cubic feet per second	October	463	1,075
					November	72	301
					December	46	112
					January	26	29
					February	27	29
					March	47	128
					April	2,516	5,076
					May	3,446	6,151
					June	3,401	5,943
					July	3,116	5,707
					August	2,811	5,103
					September	1,112	2,015
					TOTAL	1,439	2,653
				Monthly use in percent of seasonal	October	2.7	3.4
					November	0.4	0.9
					December	0.3	0.4
					January	0.2	0.1
					February	0.1	0.1
					March	0.3	0.4
					April	14.4	15.7
					May	20.3	19.7
					June	19.9	18.4
					July	18.4	18.3
					August	16.6	16.4
					September	6.4	6.2
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	158		Cache Creek above Rumsey	Maximum Discharge of Record	Discharge	26,700 E cfs	30,000 cfs
					Gage Height	18.30 E	16.90
					Date	1-31-1963	1-21-1967
4	162		Putah Creek above Davis	Monthly Mean Discharge	March	41,047 cfs	1,324 cfs
4	171		Duck Creek near Stockton	Discharge Data		Table Revised - Published	Page 155 - 1968 Report
4	177		Bear Creek near Lodi	Maximum Discharge of Record	Discharge	670 cfs	4,550 cfs
					Gage Height	3.35	8.33
					Date	1-30-1966	1-22-1967
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.

TABLE 8-16 (Cont.)

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
				1967 (Cont.)			
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	142		Cache Creek above Rumsey	Maximum Discharge of Record	Discharge	26,700 E cfs	30,000 cfs
					Gage Height	18.30 E	16.90
					Date	1-31-1963	1-21-1967
4	155, 156		Duck Creek near Stockton	Maximum Discharge of Record	Discharge	400 cfs	635 cfs
					Gage Height	5.75	5.96
					Date	12-24-1955	1-30-1967
4	161		Bear Creek near Lodi	Maximum Discharge of Record	Discharge	670 cfs	4,550 cfs
					Gage Height	3.35	8.33
					Date	1-30-1966	1-22-1967
4	198	11.OR	Hallwood Irrigation Company	Diversions	December	13,503	4,863
					January	2,530	1,140
					April	17,650	10,950
					May	32,730	19,600
					June	29,734	17,210
					July	29,880	17,540
					August	28,060	16,120
					September	15,160	9,880
					TOTAL	169,334	97,390
4	239		Sutter Bypass at Long Bridge	Station Location		Station located on west levee, 0.2 mile north of State Highway 20, 319 miles east of Meridian.	Station located on west levee, 0.2 mile north of State Highway 20, 3.9 miles east of Meridian.
4	247		Feather River near Gridley	Daily Mean Gage Height			Notation: In order to machine process the data, it was necessary to avoid gage heights above 99.99 feet. For values at reference datum, add 50 feet to gage height readings.
4	256		Sacramento River at Sacramento	Daily Mean Gage Height	February 28	20.74	20.90
					February 29	20.74	20.92
				1969			
4	128		Cache Creek above Rumsey	Maximum Discharge of Record	Discharge	26,700 E cfs	30,000 cfs
					Gage Height	18.30 E	16.90
					Date	1-31-1963	1-21-1967
4	136		French Camp Slough near French Camp	Total Acre-Feet	May	28,820	2,882
				Total Acre-Feet	Year	191,200	165,200
				Mean Discharge	Year	232 cfs	228 cfs
4	138		Duck Creek near Stockton	Maximum Discharge of Record	Discharge	477 cfs	635 cfs
					Gage Height	5.49	5.96
					Date	1-25-1969	1-30-1967
4	142		Bear Creek near Lodi	Maximum Discharge of Record	Discharge	1,870 cfs	4,550 cfs
					Gage Height	5.32	8.33
					Date	1-13-1969	1-22-1967

TABLE B-16 (Cont.)

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
				1969 (Cont.)			
4	154		Bidwell Creek near Fort Bidwell	Daily Mean Discharge	May 10, 1969	163	145
					May 11, 1969	188	160
					May 12, 1969	247	184
					May 13, 1969	208	172
					May 14, 1969	175	157
					MONTHLY TOTAL	7,246 Acre-Feet	6,922 Acre-Feet
					WATER YEAR TOTAL	18,360 Acre-Feet	18,040 Acre-Feet
4	225		Feather River near Gridley	Daily Mean Gage Height			Notation: In order to machine process the data, it was necessary to avoid gage heights above 99.99 feet. For values at reference datum, add 50 feet to gage height readings.
				1970			
4	54		Little Chico Creek Diversion near Chico	Daily Mean Discharge	Dec. 19, 1969	Data insufficient to compute discharge.	4.0 cfs
					Jan. 9, 1970		0.5
					Jan. 13, 1970		4.9
					Jan. 14, 1970		543
					Jan. 16, 1970		10
					Jan. 21, 1970		43
					Jan. 23, 1970		131
					Jan. 24, 1970		104
					Jan. 27, 1970		1.6
					WATER YEAR TOTAL		1,670 Acre-Feet
4	61		Summary of Monthly Water Supply and Utilization - Sacramento San Joaquin Delta in Thousands of Acre-Feet	Total Water Supply	October	1,368	1,424
					November	1,309	1,354
					December	2,854	3,069
					January	11,616	11,968
					February	6,262	6,326
					March	3,575	3,656
					April	1,016	1,027
					May	1,056	1,060
					June	880	891
					TOTAL	33,063	33,902
4	67		Burney Creek near Burney	Daily Mean Discharge	June 18, 1970	25	24
					June 19, 1970	23	21
					June 20, 1970	21	17
					June 21, 1970	28	23
					June 22, 1970	28	21
					June 23, 1970	25	17
					June 24, 1970	20	11
					June 25, 1970	29	17
					June 26, 1970	32	19
					June 27, 1970	35	20
					June 28, 1970	45	36
					June 29, 1970	7.0	37
					June 30, 1970	3.7	23
					MONTHLY TOTAL	1,388 Acre-Feet	1,317 Acre-Feet
					July 1, 1970	3.7	21
					July 2, 1970	3.7	18
					July 3, 1970	3.7	17
					July 4, 1970	3.7	15
					July 5, 1970	3.7	12
					July 6, 1970	3.7	12
					July 7, 1970	3.7	12
					July 8, 1970	3.7	17
					July 9, 1970	3.7	18
					July 10, 1970	3.7	17
					July 11, 1970	3.7	14
					July 12, 1970	3.7	13
					July 13, 1970	3.7	13
					July 14, 1970	3.8	12
					July 15, 1970	3.8	12
					July 16, 1970	6.5	15
					July 17, 1970	11	19
					July 18, 1970	12	19
					July 19, 1970	15	20
					July 20, 1970	18	22
					July 21, 1970	15	17
					July 22, 1970	13	14
					MONTHLY TOTAL	522 Acre-Feet	923 Acre-Feet
					WATER YEAR TOTAL	93,107 Acre-Feet	93,438 Acre-Feet
4	130		Duck Creek near Stockton	Maximum Discharge of Record	Discharge	477 cfs	635 cfs
					Gage Height	5.49	5.96
					Date	1/25/1969	1/30/1967
4	134		Bear Creek near Lodi	Maximum Discharge of Record	Discharge	3,300 cfs	4,550 cfs
					Gage Height	7.11	8.33
					Date	1/14/1970	1/22/1967
4	137		Dry Creek near Ione	Monthly Total December	Mean		39.2
					Maximum		219
					Minimum		3.9
					Acre-Feet		2,408

TABLE B-16 (Cont.)

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
				1970 (Cont.)			
				Yearly Mean	cfs	46.1	45.5
				Yearly Total	Acre-Feet	30,531	32,940
4	148		Bidwell Creek near Fort Bidwell	Daily Mean Discharge	Jan. 22, 1970	196	136
					Jan. 23, 1970	172	124
					Jan. 24, 1970	168	124
					MONTHLY TOTAL	2,050 Acre-Feet	1,749 Acre-Feet
					WATER YEAR TOTAL	16,521 Acre-Feet	16,220 Acre-Feet
4	208		Feather River near Gridley	Daily Mean Gage Height			Notation: In order to machine process the data, it was necessary to avoid gage heights above 99.99 feet. For values at reference datum, add 50 feet to gage height readings.
				1971			
4	35		Summary of Monthly Water Supply and Utilization- Sacramento San Joaquin Delta in Thousands of Acre-Feet	Total Water Supply	TOTAL	33,063	29,692
4	53		Moulton Weir Spill to Butte Basin	Daily Mean Discharge	Dec. 17, 1970	1,640	0
					Dec. 18, 1970	6,590	0
					Dec. 19, 1970	1,050	0
					Dec. 20, 1970	19	0
				Monthly Mean Discharge		636	336
				Monthly Maximum Discharge		6,590	4,920
				Monthly Acre-Feet Discharge		39,120	20,670
				Daily Mean Discharge	Jan. 17, 1971	0	1,640
					Jan. 18, 1971	0	6,590
					Jan. 19, 1971	0	1,050
					Jan. 20, 1971	0	19
				Monthly Mean Discharge		0	300
				Monthly Maximum Discharge		0	6,590
				Monthly Acre-Feet Discharge		0	18,440
				WATER YEAR SUMMARY			
					Maximum	7,725 on 12-5 at 1930	8,499 on 1-18 at 0800
4	55		Little Chico Creek Diversion near Chico	Daily Mean Discharge	Dec. 3, 1970	Data insufficient to compute discharge.	0.1 cfs
					Dec. 4, 1970		66
					Mar. 26, 1971		3.0
					WATER YEAR TOTAL		137 Acre-Feet
4	137		Sacramento River at Moulton Weir	Daily Mean Gage Height	Dec. 17, 1970	78.15 A	(Blank)
					Dec. 18, 1970	79.32	"
					Dec. 19, 1970	77.54	"
					Dec. 20, 1970	76.89 A	"
					Jan. 17, 1971	(Blank)	78.15 A
					Jan. 18, 1971	"	79.32
					Jan. 19, 1971	"	77.54
					Jan. 20, 1971	"	76.89 A
				1972			
4	59		Little Chico Creek Diversion near Chico	Daily Mean Discharge		Data insufficient to compute discharge	No Flow
4	128	13.1R	Garden Highway Mutual Water Co.	Diversions	August	2,770	3,045
					TOTAL	15,025	15,300
				1974			
4	129	13-1R	Garden Highway Mutual Water Co.	Diversions	April	137	178
					June	3,484	3,230
					July	3,278	3,024
					August	2,972	2,947
					September	792	673
					TOTAL	13,654	13,023

Appendix C

GROUND WATER MEASUREMENTS

This appendix contains summary and selected information concerning the level of ground water in wells within 32 ground water basins or areas in Northeastern California. 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.

Earlier editions of this report contained a tabulation of individual measurements of ground water levels at wells. This type of data collected by the Department will be available at the various district offices of the Department. Please see the introduction at the front of this volume for the addresses of these district offices.

Table C-1 shows the average change in ground water levels for the various basins in Northeastern California from spring 1974 to spring 1975 This table also shows the number of well measurements collected in the various areas. Figure C-2 contains graphical presentations of the average levels of ground water in the spring for the past several years. Figure C-3 is a graphical representation of the fluctuation of ground water level in certain selected wells for the past several years. An attempt has been made to select wells that represent conditions in the basin where the well is located. However, some caution in the use of these data is in order because ground water conditions can vary markedly with relatively small changes in horizontal location.

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. The regions used in Bulletin No. 130 are geographic areas defined in Section 13200 of the Water Code. This volume 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:

5 - 21 · 05

Region (Central Valley) — 5
Ground Water Basin (Sacramento Valley) — 21
Subbasin or Subarea (Sutter County) — 05

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 on the left.

39N / 13E - 08 J 04 M

Township — 39N
Range — 13E
Section — 08
Tract — J
Sequence Number — 04
Base and Meridian — M

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

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, referenced to the Mount Diablo Base and Meridian. A section is divided into 40-acre tracts as shown above on the right. 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.

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5-02.00	Alturas Basin	242
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5-05.00	Fall River Valley	242
5-06.00	Redding Basin	242, 247
5-11.00	Mohawk Valley	242
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5-14.00	Scotts Valley	242
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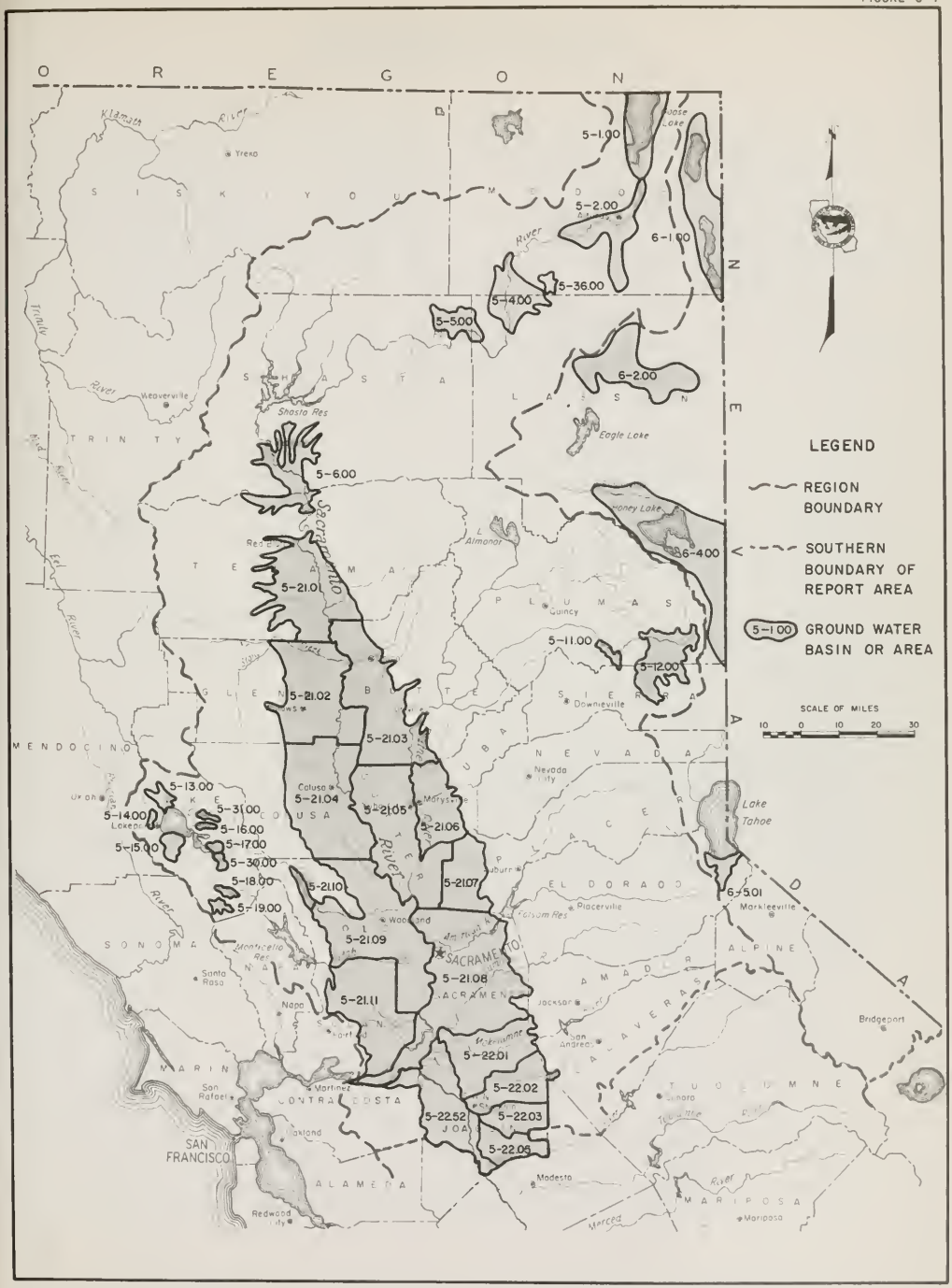


GROUND WATER BASINS IN NORTHEASTERN CALIFORNIA

TABLE C-1

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

Ground Water Basin or Area		Average Change Spring 1974 to Spring 1975 in Feet	Measuring Agency	Number of Well Measurements Reported		
Name	Number			Monthly 1974-75	Fall 1974	Spring 1975
CENTRAL VALLEY REGION						
Goose Lake Valley	5-01.00					
Alturas Basin	5-02.00	-0.6	Department of Water Resources		9	9
Big Valley	5-04.00	-0.3	Department of Water Resources		4	4
Round Valley	5-36.00					
Fall River Valley	5-05.00	-0.6	Department of Water Resources		4	4
Redding Basin	5-06.00	+0.2	Department of Water Resources	1	9	9
Mohawk Valley	5-11.00	+1.5	Department of Water Resources		1	2
Sierra Valley	5-12.00	-0.3	Department of Water Resources		20	20
Upper Lake Valley	5-13.00	-0.3	Department of Water Resources		4	4
Scotts Valley	5-14.00	+3.2	Department of Water Resources		1	1
Kelseyville Valley	5-15.00	-0.1	Department of Water Resources		9	9
Long Valley	5-31.00					
High Valley	5-16.00	-6.2	Department of Water Resources		2	2
Burns Valley	5-17.00					
Lower Lake Area	5-30.00	+0.8	Department of Water Resources		1	1
Coyote Valley	5-18.00	+1.3	Department of Water Resources		1	1
Collayomi Valley	5-19.00	+1.3	Department of Water Resources		2	2
Sacramento Valley	5-21.00					
Tehama County	5-21.01	+1.0	Department of Water Resources	19	49	47
Glenn County	5-21.02	-0.3	Glenn County		77	70
			U. S. Bureau of Reclamation		11	11
			Department of Water Resources	14	1	1
Butte County	5-21.03	-1.1	Department of Water Resources	16	74	72
Colusa County	5-21.04	0.0	U. S. Bureau of Reclamation		13	13
			Department of Water Resources	8	44	46
Sutter County	5-21.05	0.0	South Sutter Water District		25	25
			Department of Water Resources		113	112
Yuba County	5-21.06	-0.2	Department of Water Resources	1	96	96
Placer County	5-21.07	+0.4	South Sutter Water District		2	2
			Department of Water Resources	7	80	80

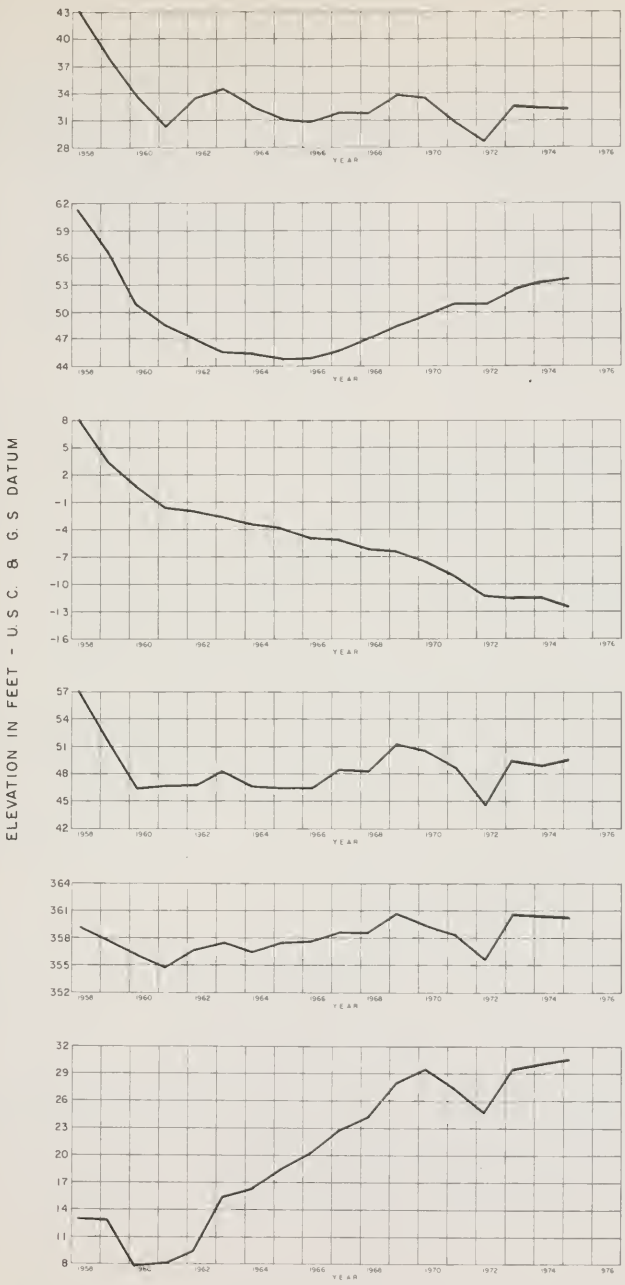
TABLE C-1 (Continued)

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

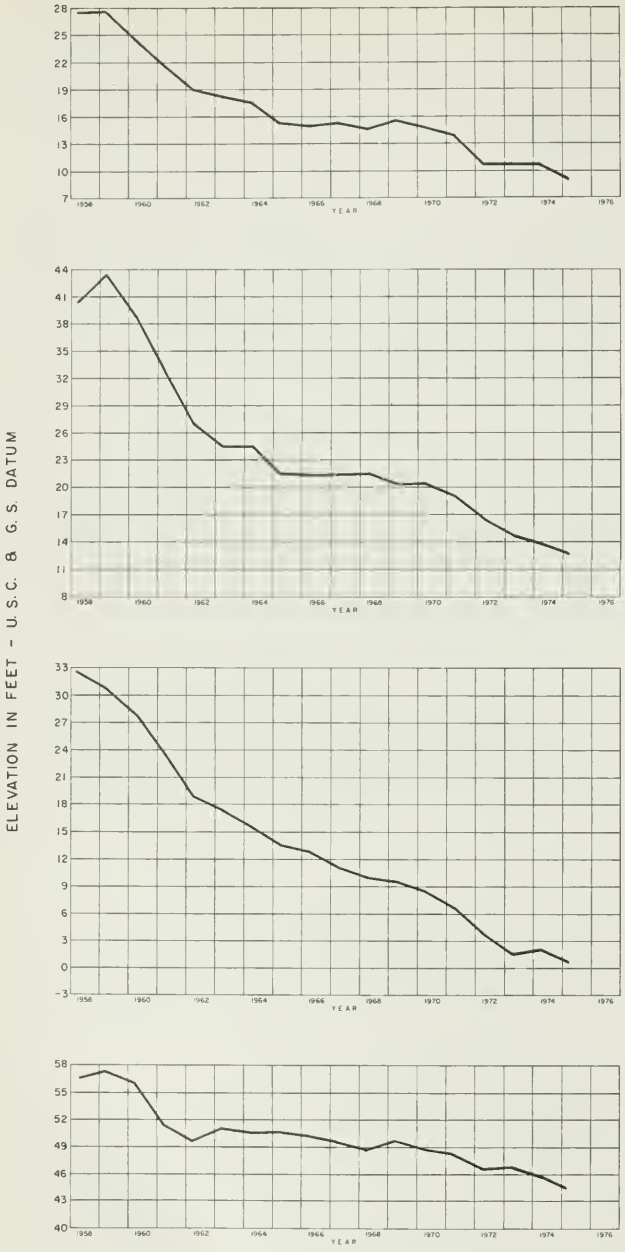
Ground Water Basin or Area		Average Change Spring 1974 to Spring 1975 in Feet	Measuring Agency	Number of Well Measurements Reported		
Name	Number			Monthly 1974-75	Fall 1974	Spring 1975
Sacramento Valley (Continued)						
Sacramento County	5-21.08	-1.0	Sacramento County		89	87
			Sacramento Muni. Utility Dist.		19	19
			Arcade Water District		26	38
			U. S. Bureau of Reclamation		82	81
			Department of Water Resources	17	70	69
Yolo County	5-21.09	+0.7	Yolo County		169	169
			U. S. Bureau of Reclamation	3	76	75
			Department of Water Resources	11	26	23
Capay Valley	5-21.10	-0.2	Yolo County		21	20
Solano County	5-21.11	+0.5	Solano County		22	21
			U. S. Bureau of Reclamation	3	96	90
			Department of Water Resources	13	22	22
San Joaquin Valley	5-22.00					
Mokelumne River Area	5-22.01	-1.7	San Joaquin County		97	97
			California Water Service Company		4	4
			East Bay Municipal Utility Dist.	99	217	212
			U. S. Bureau of Reclamation		2	2
			Department of Water Resources	1	46	46
Calaveras River Area	5-22.02	-1.0	San Joaquin County		88	88
			California Water Service Company		18	18
			East Bay Municipal Utility Dist.		6	6
			Stockton-East Water District		34	34
			Department of Water Resources	3	38	38
Farmington-Collegeville Area	5-22.03	-1.4	San Joaquin County		57	57
			Oakdale Irrigation District		2	2
			Stockton-East Water District		1	1
			Department of Water Resources	1	18	19
South San Joaquin Irrigation District	5-22.05	-1.3	San Joaquin County		8	9
			Oakdale Irrigation District		1	1
			Department of Water Resources		41	41
Delta Area	5-22.52	-0.6	San Joaquin County		9	8
			Department of Water Resources	1	18	18
LAHONTAN REGION						
Surprise Valley	6-01.00	-3.3	Department of Water Resources		12	12
Madeline Plains	6-02.00					
Honey Lake Valley	6-04.00	-0.1	Department of Water Resources		10	10
Tahoe Valley	6-05.00					
South Tahoe Valley	6-05.01	-0.7	Department of Water Resources		19	19
TOTAL				218	2,116	2,099

FIGURE C-2 SHEET 1 OF 3

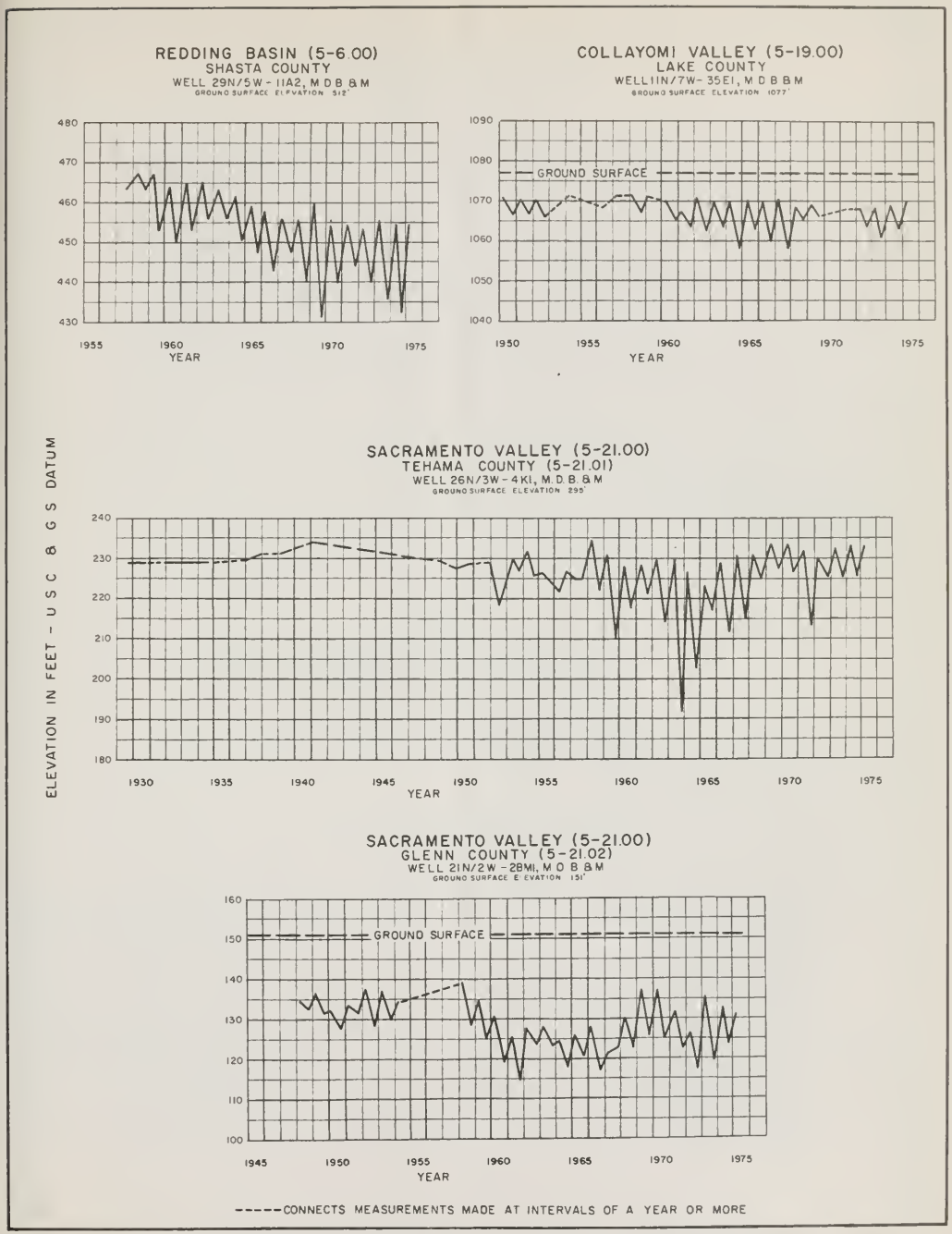
FLUCTUATION OF AVERAGE GROUND WATER LEVEL IN SELECTED AREAS



FLUCTUATION OF AVERAGE GROUND WATER LEVEL IN SELECTED AREAS

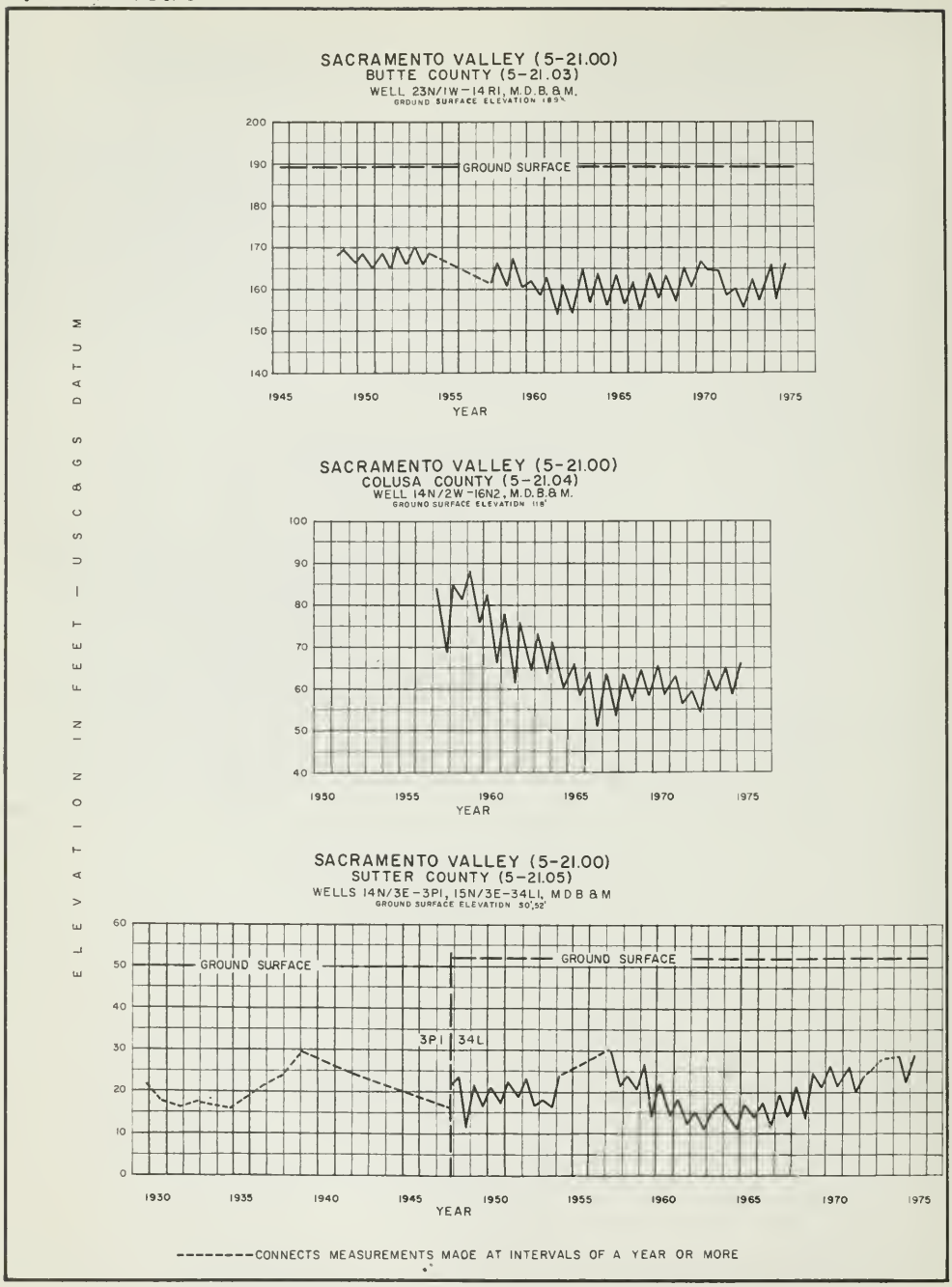


FLUCTUATION OF AVERAGE GROUND WATER LEVEL IN SELECTED AREAS

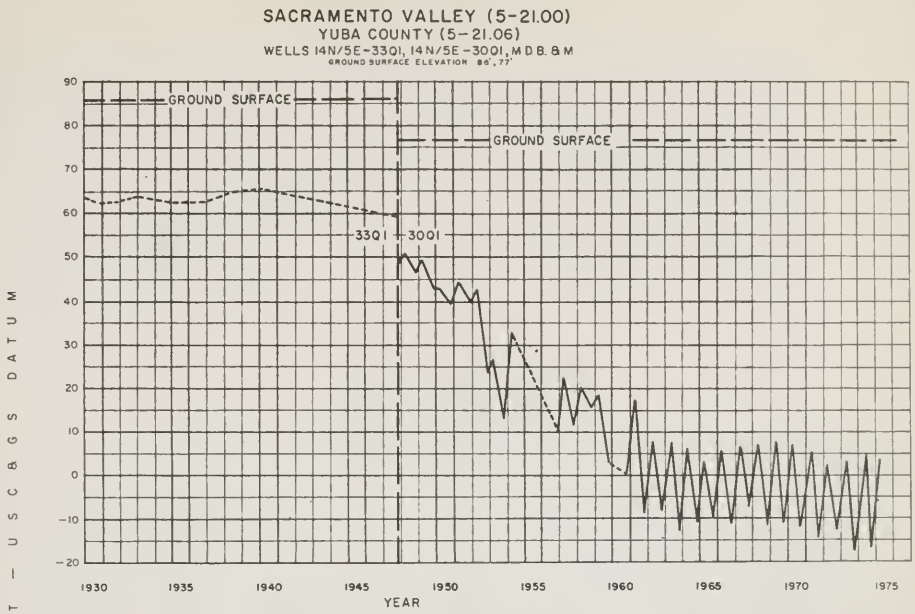


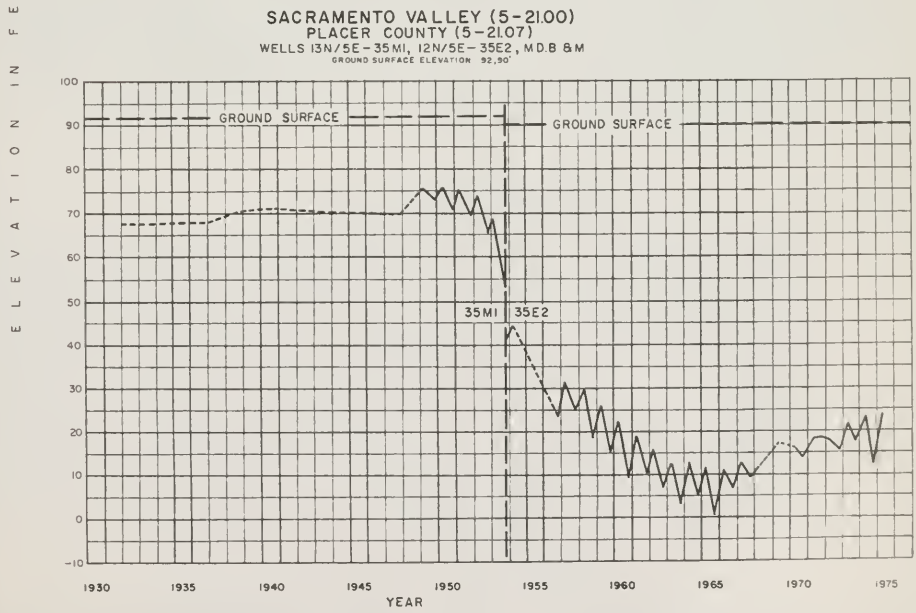
FLUCTUATION OF WATER LEVEL IN WELLS

Figure C-3 SHEET 2 OF 5



FLUCTUATION OF WATER LEVEL IN WELLS

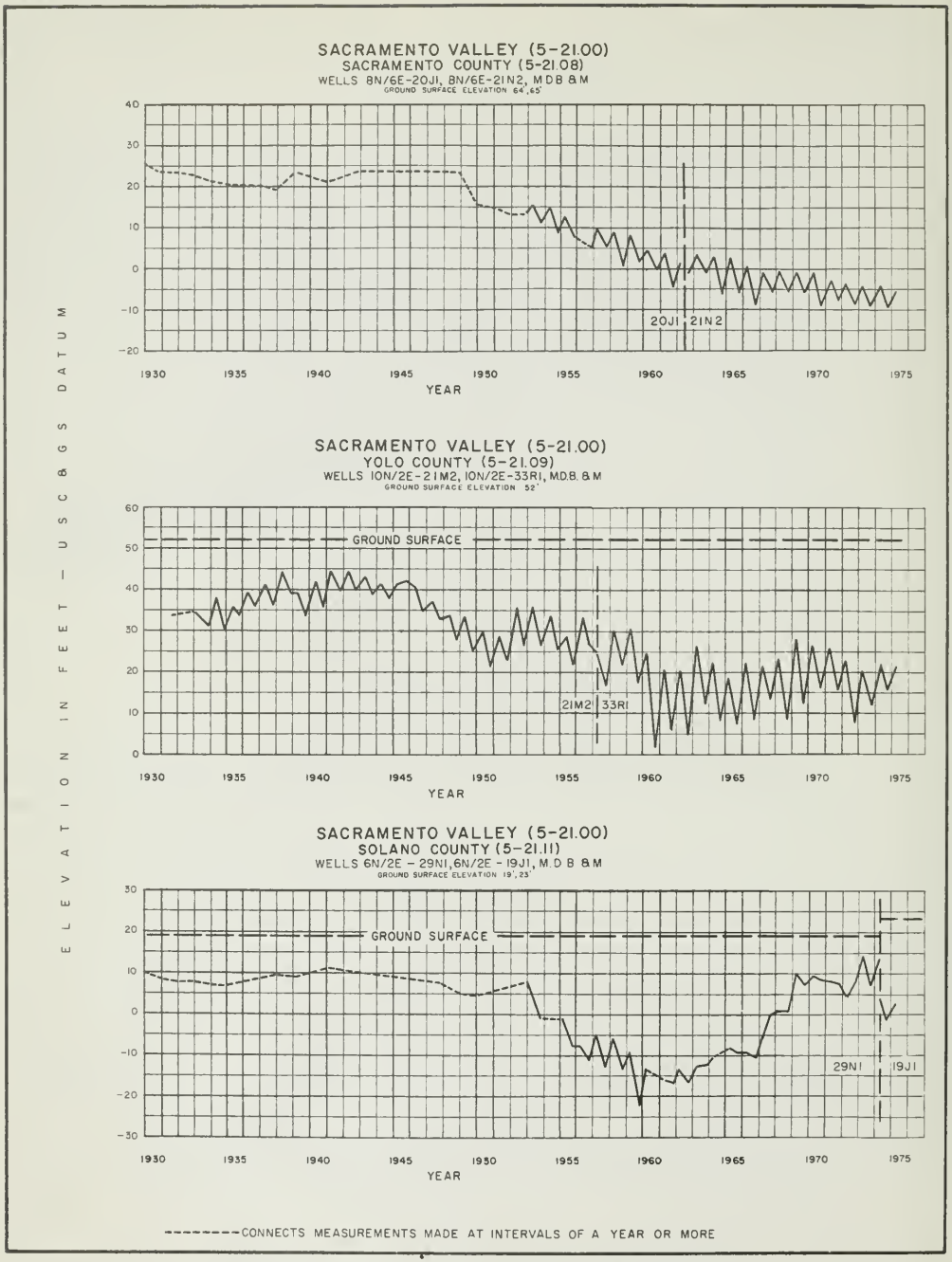




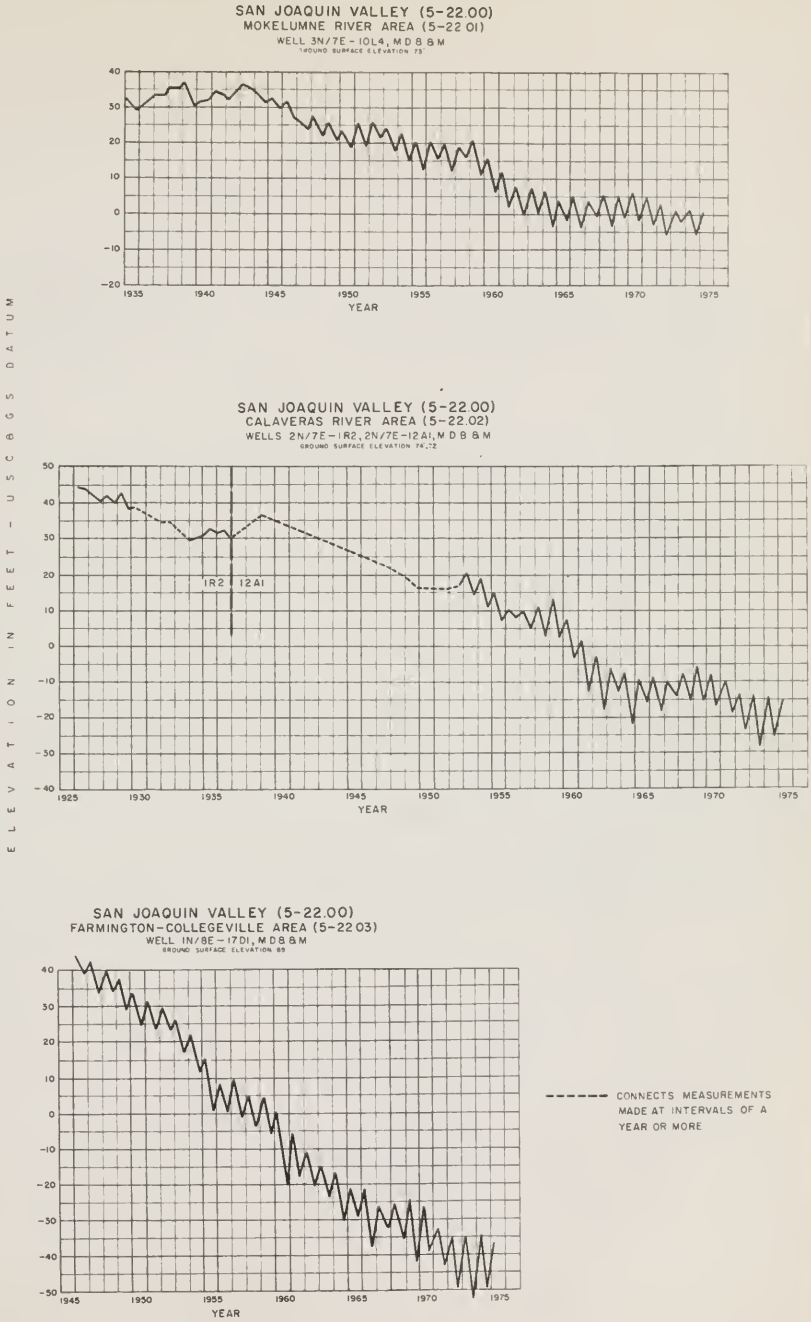
--------CONNECTS MEASUREMENTS MADE AT INTERVALS OF A YEAR OR MORE

FLUCTUATION OF WATER LEVEL IN WELLS

Figure C-3 SHEET 4 OF 5



FLUCTUATION OF WATER LEVEL IN WELLS



FLUCTUATION OF WATER LEVEL IN WELLS

Appendix D

SURFACE WATER QUALITY DATA

This appendix summarizes the surface water quality data collected in Northeastern California during the period from October 1, 1974, through September 30, 1975. The data were collected from 153 stream, lake, and estuarine stations in cooperation with other State, local, and federal agencies.

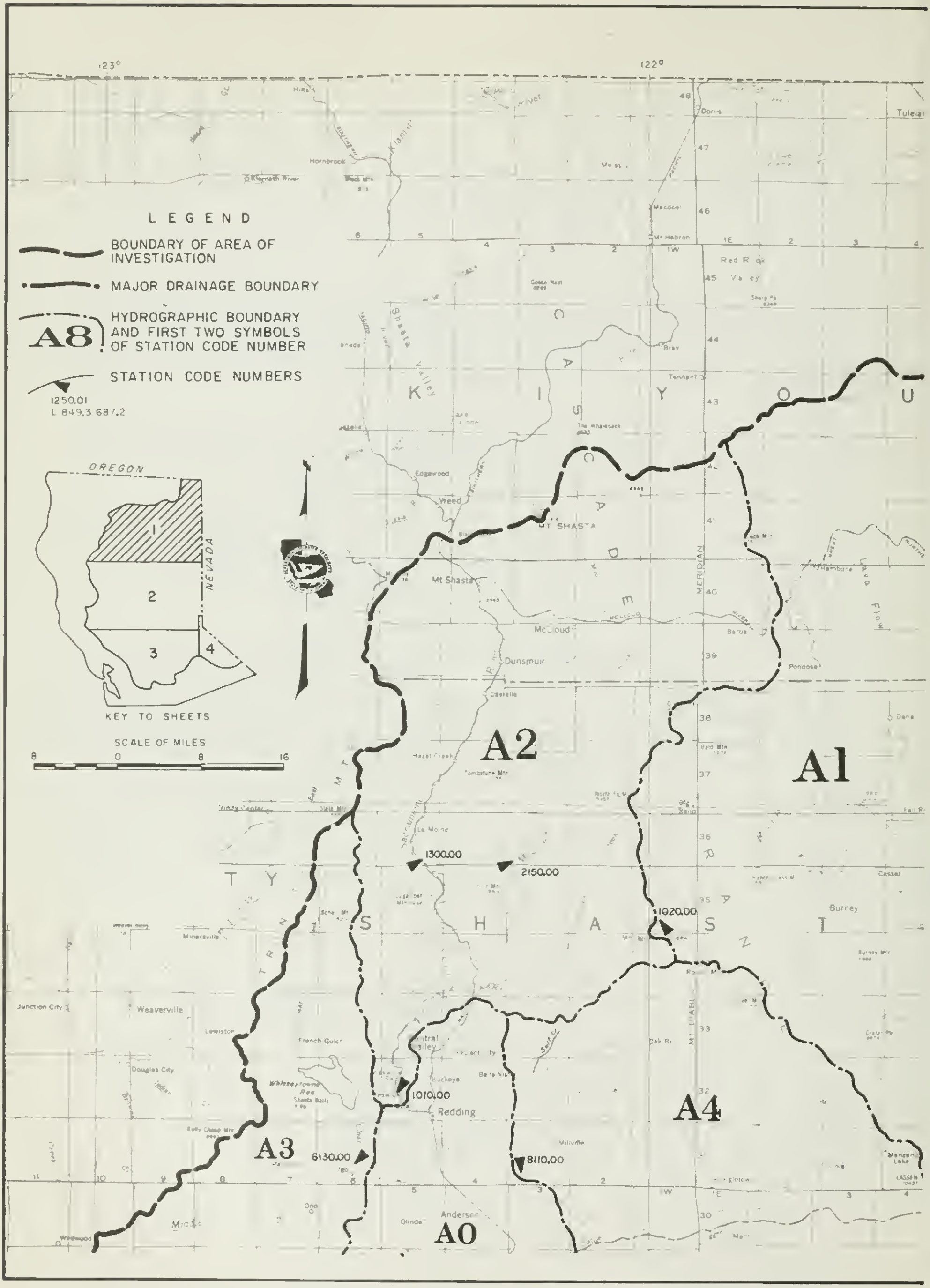
The Department of Water Resources Laboratory used procedures from the latest edition of "Standard Methods for the Examination of Water and Wastewater" for the determination of all constituents.

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 described in the introduction to Appendix B.

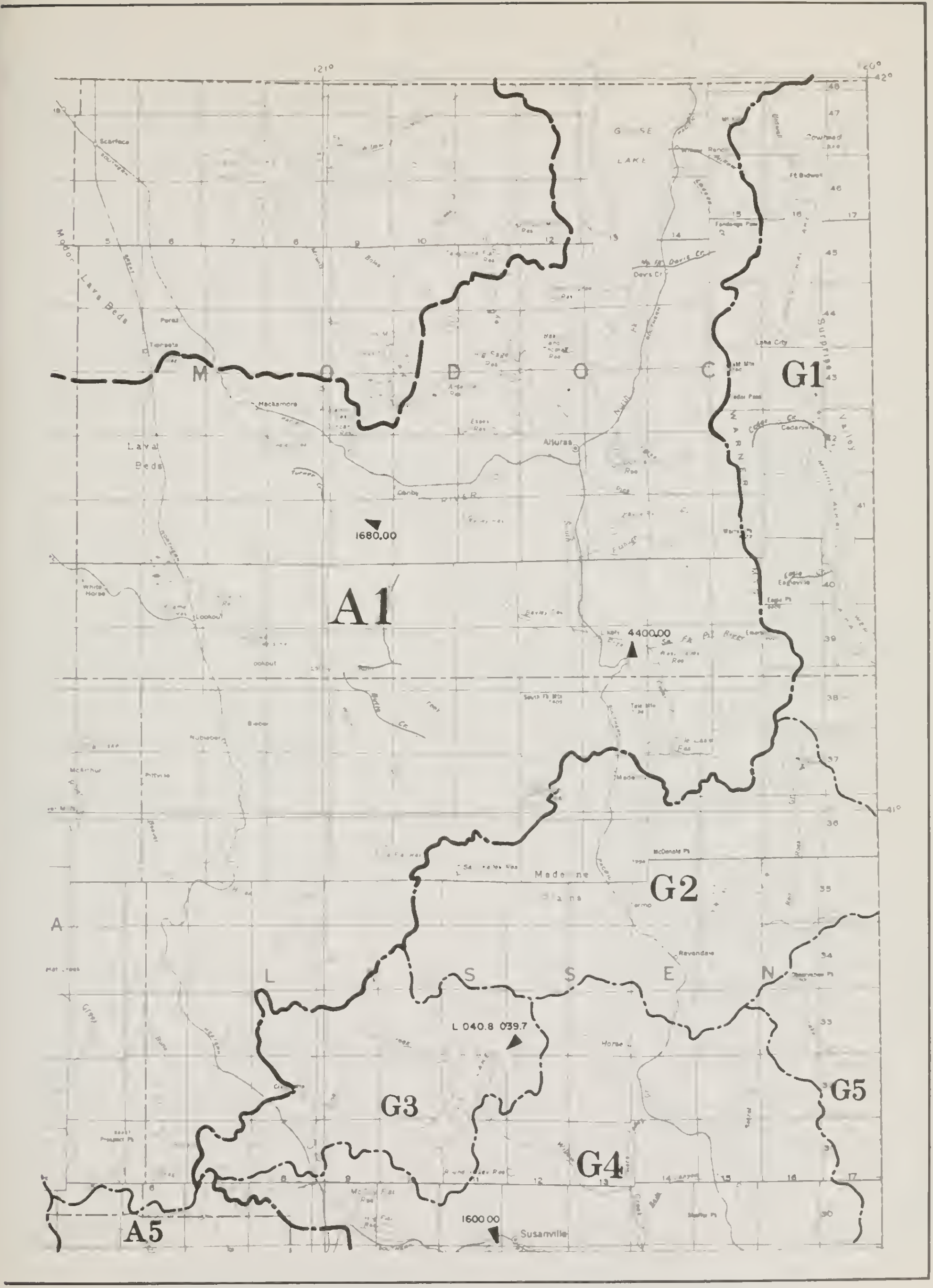
The second numbering system is used for stations located in broad water bodies. This system is described as follows. The first two digits show the hydrographic unit as identified in Appendix B on page 19. The third digit identifies the type of water body, and for this publication is a "B" for Bay system; "C" for canal; "D" for Sacramento-San Joaquin Delta system; "L" for lake; "R" for reservoir; "S" for slough; "V" for agricultural drain; and "X" for a channel of two-direction flow. The next digit is the last digit of the latitude in degrees, "3" for 33°, or "9" for 29°. The next three digits are the minutes of latitude to the tenth of a minute. The last four digits are the longitude in the same manner as latitude. A fifth digit indicates a sequence number when two stations have the same eight-digit latitude and longitude numbers.

Example: G7 L 904.5 008.4 2

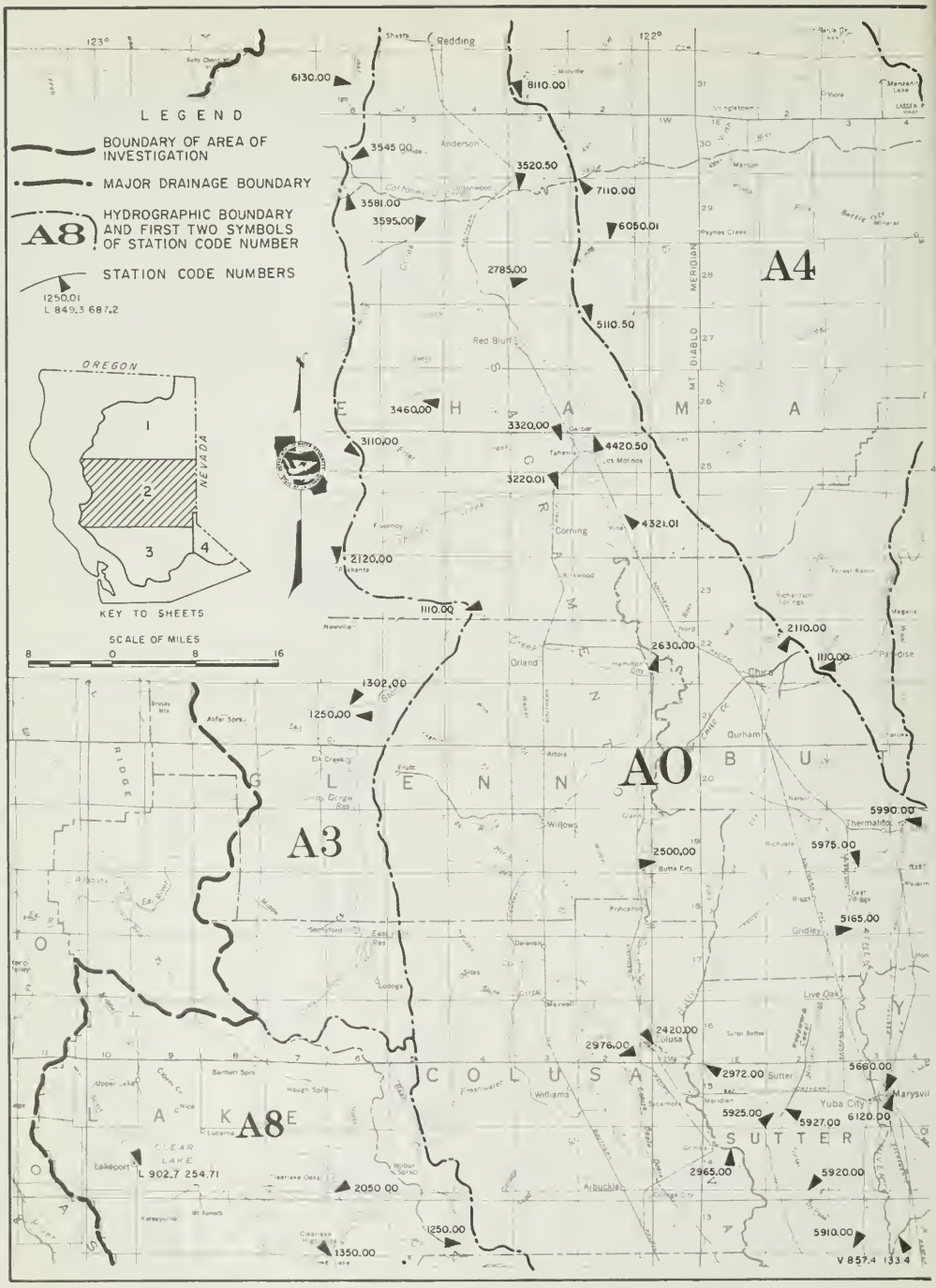
G7	North Lahontan Area, Truckee River Unit
L	Water Body -- Lake
9	39° Latitude
04.5	04.5' Latitude
0	120° Longitude
08.4	08.4' Longitude
2	Second Station



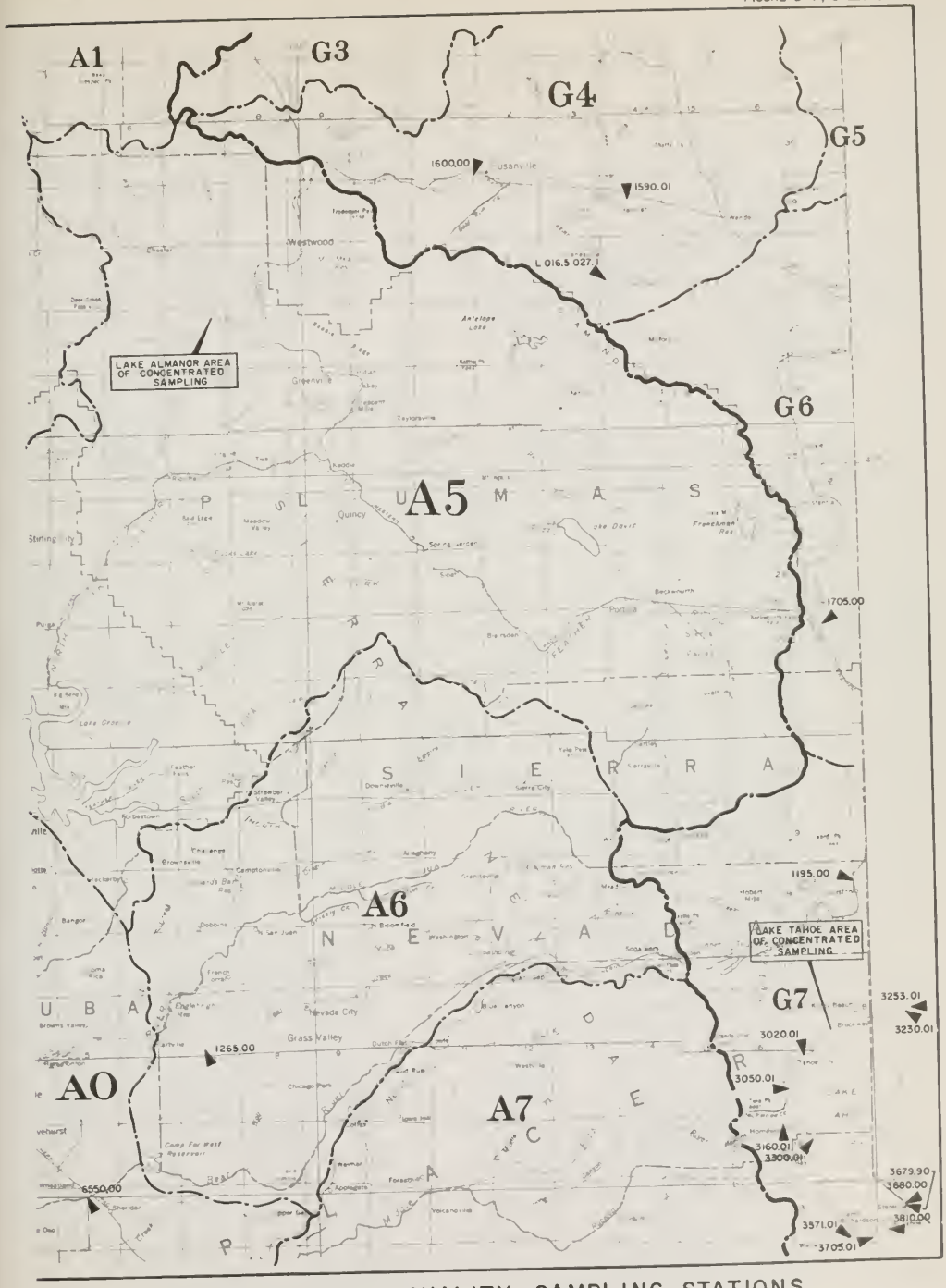
SURFACE WATER QUALITY SAMPLING STATIONS



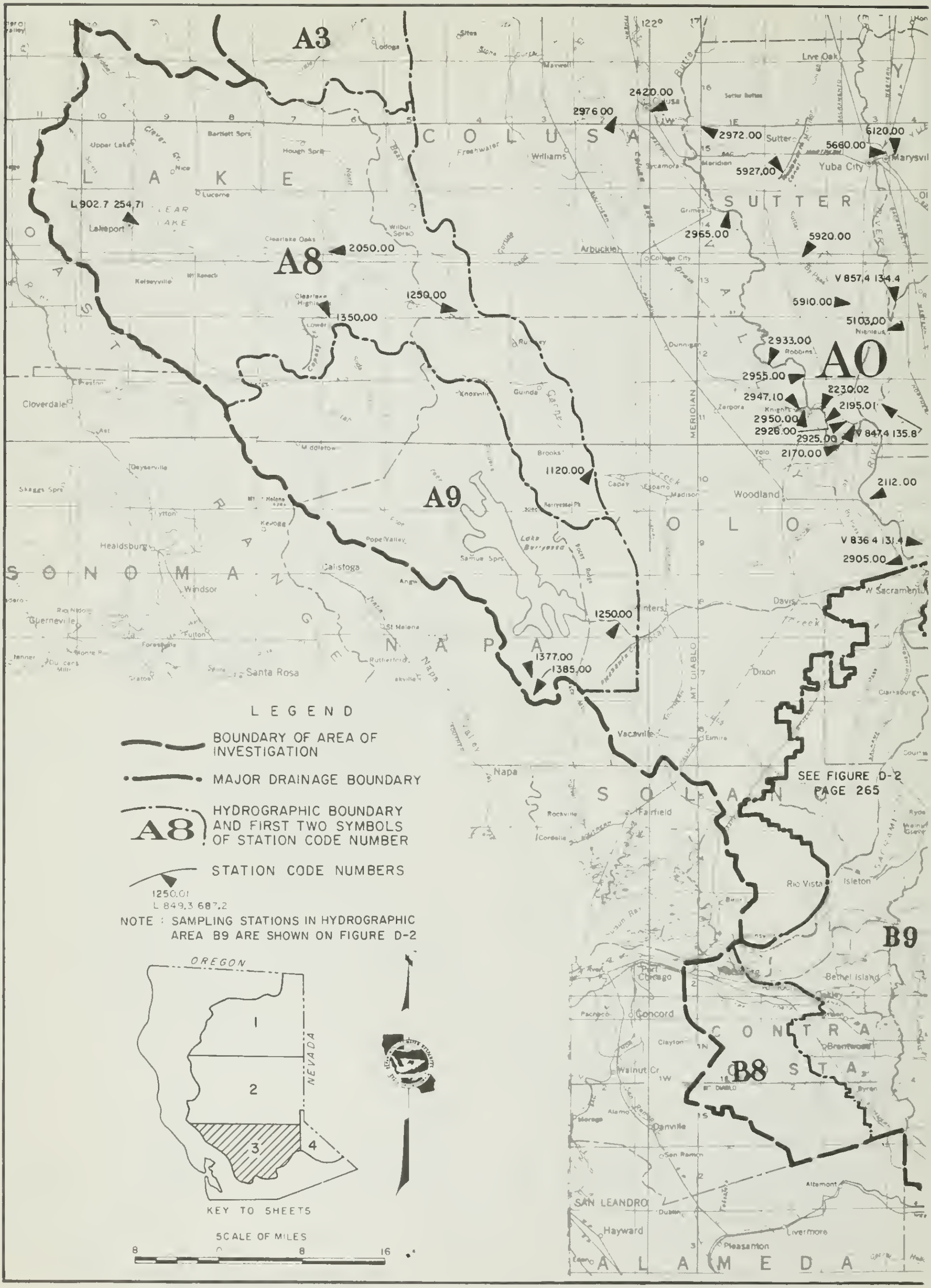
SURFACE WATER QUALITY SAMPLING STATIONS



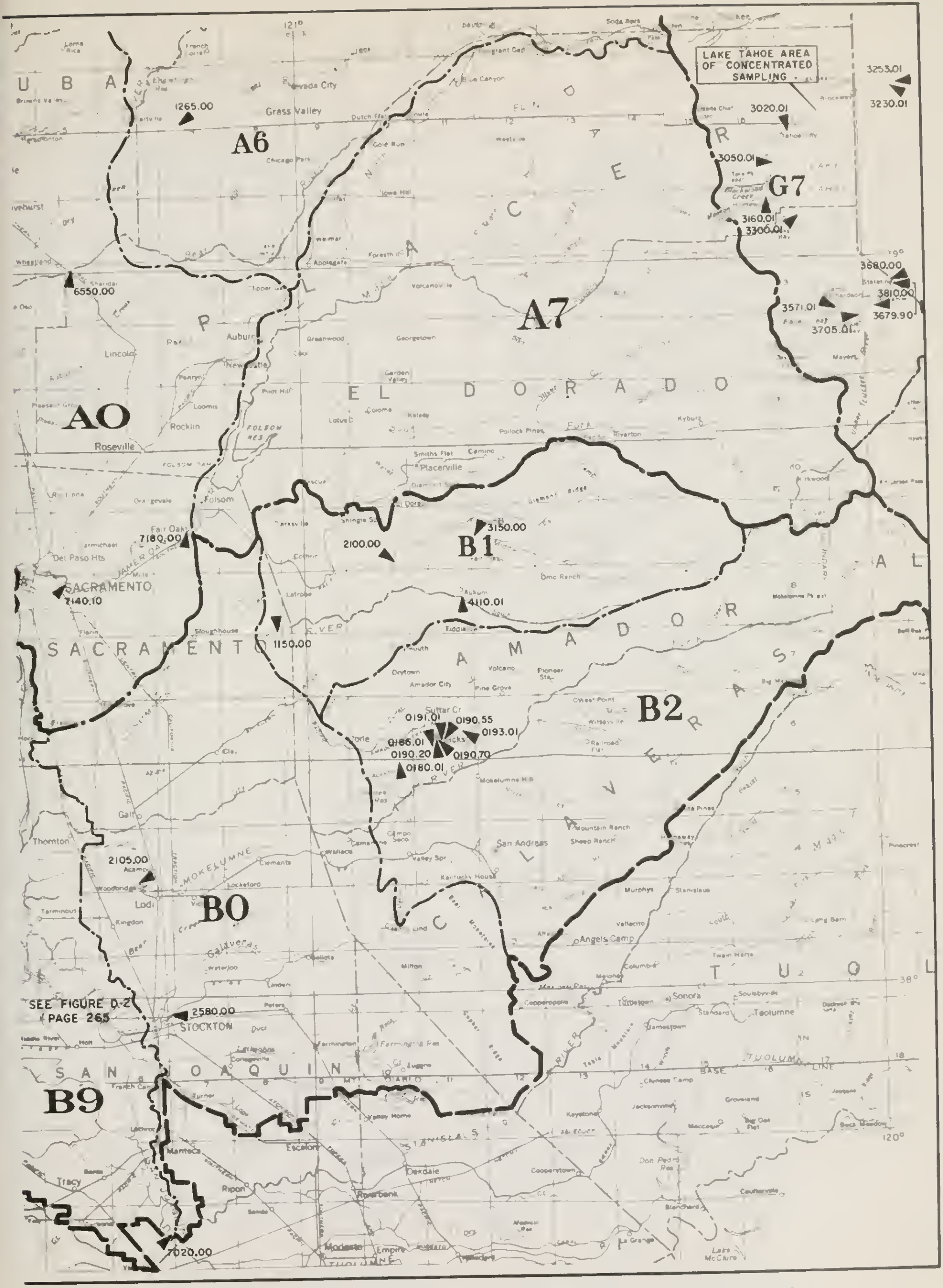
SURFACE WATER QUALITY SAMPLING STATIONS



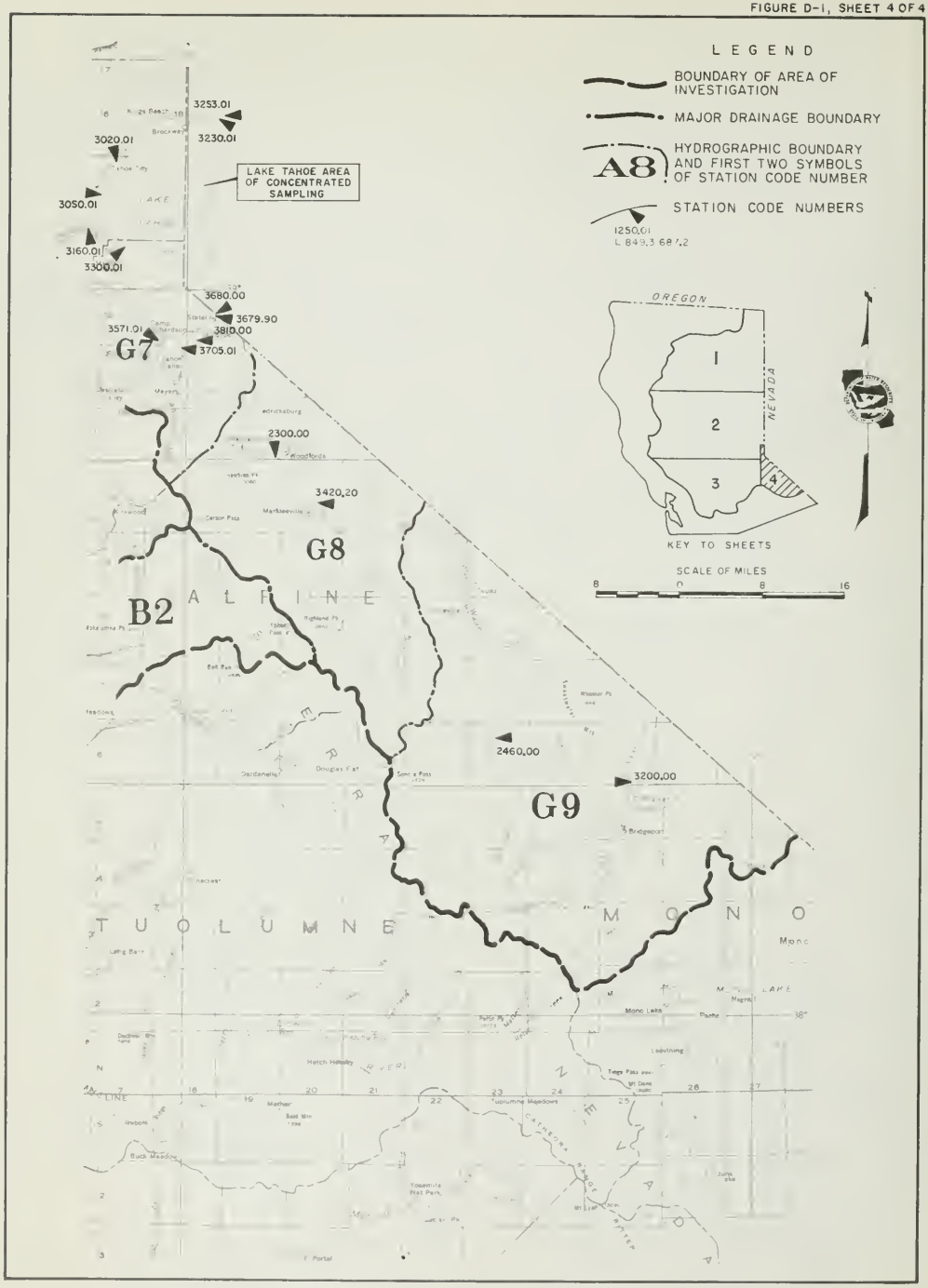
SURFACE WATER QUALITY SAMPLING STATIONS



SURFACE WATER QUALITY SAMPLING STATIONS



SURFACE WATER QUALITY SAMPLING STATIONS



SURFACE WATER QUALITY SAMPLING STATIONS

TABLE D-1

SAMPLING STATION DATA AND INDEX

STATION NAME	STATION NUMBER	LOCATION LATITUDE ° ' ''	LOCATION LONGITUDE ° ' ''	RECORD BEGAN	DATA ON PAGES INDICATED TABLE D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9	FIGURE D-1	D-2
American River Below Nimbus Dam	A0 7180.00	38-38-08	121-13-36	02/56	278	313	319	340	360			379	259	
American River at Sacramento Water Plant	A0 7140.10	38-33-35	121-24-57	10/68	277	312	318	340	360		370	379	259	
Antelope Creek near Red Bluff	A4 5110.50	40-12-10	122-07-05	11/58	282								256	
Battle Creek near Cottonwood	A4 7110.00	40-23-50	122-08-05	04/68	282								256	
Bear Creek near Rumsey	A8 1250.00	38-56-42	122-20-42	10/68	284	313		342					258	
Bear River near Wheatland	A0 6550.00	39-00-01	121-24-20	12/51	277								259	
Big Break near Oakley	B9 D 801.1 142.6	38-01-05	121-42-38	03/68	294	314	324	347	361					265
Big Chico Creek near Chico	A4 2110.00	39-46-18	121-45-45	07/52	282	313		342					256	
Burton Creek in Star Harbor (T-8)	G7 3020.01	39-10-54	120-07-08	08/71	309			357					259	
Butte Creek near Chico	A4 1110.00	39-43-34	121-42-28	07/52	282	313		342					256	
Butte Slough near Meridian	A0 2972.00	39-10-15	121-54-00	02/71	272	312	318	339	360				256	
Cache Creek near Capay	A8 1120.00	38-43-43	122-06-14	12/51	284						372		258	
Cache Creek near Lower Lake	A8 1350 00	38-55-24	122-33-54	11/51	285	313		342	360				258	
Cache Creek, North Fork, near Lower Lake	A8 2050.00	39-01-06	122-34-05	12/51	285	313		342					258	
Capell Creek at Circle Oaks	A9 1385.00	38-24-30	122-12-10	12/74	286		319						258	
Capell Creek at Hwy 121 near Moskowite Corner	A9 1377.00	38-26-05	122-12-05	12/74	286		319						258	
Carson River, East Fork, at Highway 4	G8 3420.20	38-41-20	119-45-44	09/58	310								260	
Carson River, West Fork, at Woodfords	G8 2300.00	38-46-10	119-50-00	08/58	310								260	
Clear Creek near Igo	A3 6130.00	40-30-47	122-31-24	04/58	282								254	
Clear Lake at Lakeport	A8 L 902.7 254.71	39-02-36	122-54-48	04/51	283	313		342					258	
Colusa Basin Drain at Highway 20	A0 2976.00	39-11-45	122-03-35	07/62	273	312	318	339					256	
Colusa Basin Drain near Knights Landing	A0 2947.10	38-48-45	121-46-25	03/67	270	312	318	337	360		369		258	
Cosumnes River at Michigan Bar	B1 1150.00	38-30-01	121-02-40	07/52	288						375		259	
Cosumnes River, Middle Fork, near Somerset	B1 3150.00	38-37-29	120-42-02	10/67	288								259	
Cosumnes River, North Fork, near El Dorado	B1 2100.00	38-35-20	120-50-38	10/57	288								259	
Cosumnes River, South Fork, at River Pines	B1 4110.01	38-32-48	120-44-10	10/67	288								259	
Cottonwood Creek at Cottonwood	A0 3520.50	40-22-35	122-16-45	04/51	273	312		339					256	
Cottonwood Creek Middle Fork near Gas Point	A0 3581.00	40-23-06	122-31-45		274								256	
Cottonwood Creek North Fork near Igo	A0 3545.00	40-26-30	122-32-54		274								256	
Cottonwood Creek, South Fork, near Cottonwood	A0 3595.00	40-19-00	122-26-55	11/58	274								256	
Cow Creek near Millville	A4 8110.00	40-30-20	122-13-55	04/58	283								254	
Deer Creek at Highway 99E	A0 4321.01	39-56-48	122-03-06	05/71	275	312		339					256	
Disappointment Slough at Bishop Cut	B9 D 802.6 125.1	38-02-38	121-25-04	03/74	296		326	348						265
Eagle Lake near Susanville	G3 L 040.8 039.7	40-40-47	120-39-42		307								255	
East Walker River near Bridgeport	G9 3200.00	38-19-40	119-12-49	08/58	310								260	
Edgewood Creek at Highway 50 (T-7)	G7 3680.00	38-57-58	119-56-11	08/71	310			358					259	
Edgewood Creek at Mouth (T-7A)	G7 3679.90	38-58-00	119-56-57	08/72	310			357					259	
Elder Creek at Gerber	A0 3320.00	40-18-06	122-09-54	01/59	273								256	
Elder Creek near Paskenta	A3 3110.00	40-01-30	120-30-36	10/58	282			342					256	
Feather River Fish Hatchery	A0 5990.00	39-31-05	121-33-11	03/69					364				256	
Feather River near Gridley	A0 5165.00	39-22-01	121-38-43	03/67					363				256	
Feather River at Nicolaus	A0 5103.00	38-54-01	121-35-00	03/49	275			339					258	
Franks Tract near Russos Landing	B9 D 802.6 136.8	38-02-38	121-36-49	04/68	296		327	349	361					265
Georgiana Slough near Isleton	B9 D 809.0 135.8	38-09-03	121-35-47	03/74	304		332	354						264
General Creek near Meeks Bay (T-3)	G7 3300.01	39-03-15	120-06-49	07/68	310			357					259	
Grindstone Creek near Elk Creek	A3 1302.00	39-40-48	122-31-52	04/69	281			341					256	
Honey Lake near Buntingville	G4 L 016.5 027.1	40-16-30	120-27-06		307	316		356					257	
Incline Creek at Incline Village (T-2)	G7 3253.01	39-14-30	119-56-33	07/68	310			357					259	
Jack Slough at Marysville	A0 5660.00	39-09-34	121-35-34	09/67	276		318						256	
Jackson Creek above City of Jackson STP	B2 0190.20	38-20-04	120-46-56	10/73	289		320	343				379	259	
Jackson Creek below City of Jackson STP	B2 0185.01	38-20-38	120-47-12	10/73	288		320	343				379	259	
Jackson Creek at Japur Road Bridge	B2 0180.01	38-18-54	120-50-00	10/73	288		320	343				379	259	
Jackson Creek below New York Gulch	B2 0193.01	38-21-44	120-44-14	06/74	289		321	343				379	259	
Jackson Creek above South Fork Jackson Creek	B2 0191.01	38-20-52	120-46-19	06/74	289		321	343				379	259	
Jackson Creek, North Fork, in Jackson	B2 0190.55	38-20-57	120-46-25	05/75	289		320	343				379	259	
Jackson Creek, South Fork, in Jackson	B2 0190.70	38-20-51	120-46-18	05/75	289		320	343				379	259	
Lake Tahoe at Camp Richardson - Edwards Pier	G7 L 856.3 002.3	38-56-20	120-02-18	05/73	308			357					259	
Lake Tahoe at Carnelian Bay - Sierra Boat Co.	G7 L 913.5 004.9	39-13-32	120-04-51	08/73	309			357					259	
Lake Tahoe at Glenbrook Bay Pier (S-3)	G7 L 905.3 956.4	39-05-13	119-56-24	08/71	309			357					259	
Lake Tahoe at Kings Beach Pier (S-7)	G7 L 914.2 002.3	39-14-14	120-02-16	07/71	309			357					259	

TABLE D-1 (CONTINUED)

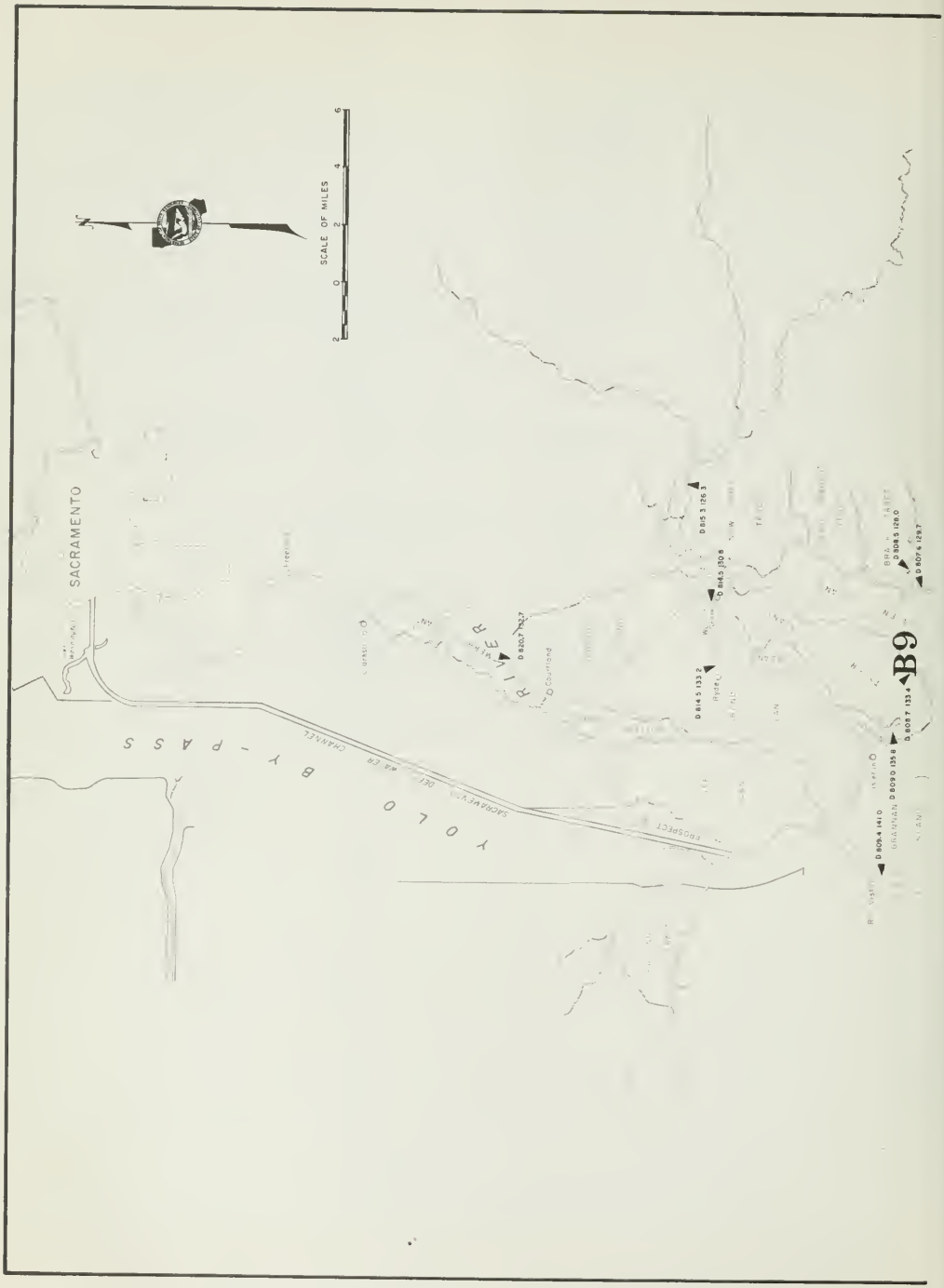
SAMPLING STATION DATA AND INDEX

STATION NAME	STATION NUMBER	LOCATION LATITUDE ° ' ''	LOCATION LONGITUDE ° ' ''	RECORD BEGAN	DATA ON PAGES INDICATED TABLE D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9	FIGURE D-1	D-2
Lake Tahoe at Kings Castle Pier (S-4)	G7 L 914.2 956.6	39-14-14	119-56-37	08/71	309			357					259	
Lake Tahoe - North Center (C-2)	G7 L 908.7 000.3	39-08-42	120-00-15	07/68	309			357					259	
Lake Tahoe at Rubicon Bay Pier (S-2)	G7 L 900.9 006.82	39-00-52	120-06-50	07/71	309			357					259	
Lake Tahoe - South Center (C-1)	G7 L 900.0 000.0	39-00-00	120-00-00	07/68	309			357					259	
Lake Tahoe at Stateline - Lakeside Marina	G7 L 857.6 957.1	38-57-33	119-57-03	05/73	309			357					259	
Lake Tahoe at Surf and Sands Pier (S-10)	G7 L 857.0 958.02	38-57-00	119-58-00	07/71	309			357					259	
Lake Tahoe at Tahoe Keys Pier (S-1)	G7 L 856.3 000.5	38-56-18	120-00-29	08/71	308			356					259	
Lake Tahoe at U.S. Coast Guard Pier (S-5)	G7 L 910.8 007.12	39-10-50	120-07-05	08/71	309			357					259	
Lake Tahoe at Ward Creek Pier (S-11)	G7 L 907.8 009.2	39-07-50	120-09-09	08/71	309			357					259	
Lake Tahoe at Zephyr Cove Pier (S-8)	G7 L 900.4 956.9	39-00-26	119-56-56	08/71	309			357					259	
Long Valley Creek near Hallelujah Junction	G6 1705.00	39-46-55	120-04-14	03/71	308	316		356					257	
Madden Creek near Mouth (T-10)	G7 3160.01	39-05-27	120-09-43	08/71	309			357					259	
McCloud River above Shasta Lake	A2 2150.00	40-57-30	122-13-05	04/51	280								254	
Middle River at Bacon Island Bridge	B9 D 757.4 131.7	37-57-21	121-31-40	03/74	292		323	345						265
Mill Creek near Mouth near Los Molinos	A0 4420.50	40-02-35	122-05-55	07/52	275	312		339					256	
Mokelumne River near Thornton	B9 D 815.3 126.3	38-15-20	121-26-21	02/68	305	315	333	355	362					264
Mokelumne River at Woodbridge	B0 2105.00	38-09-30	121-18-10	04/51	286						373		259	
Mokelumne River, North Fork, at Broad Slough	B9 D 808.7 133.4	38-08-44	121-33-24	03/74	304		332	354						264
Mokelumne River, SF, below Sycamore Slough	B9 D 807.6 129.7	38-07-34	121-29-43	03/74	302		331	353						264
Natomas Main Drain to Sacramento River	A0 V 836.4 131.4	38-36-22	121-31-25	04/72	267		318						258	
Old River opposite Rancho Del Rio	B9 D 758.2 134.3	37-58-14	121-34-19	07/73	292		323	346						265
Old River at Tracy Road Bridge	B9 D 748.3 126.9	37-48-17	121-26-55	02/68	290		321	344						265
Paynes Creek near Red Bluff	A4 6050.01	40-18-54	122-04-12	10/58	282								256	
Pit River near Canby	A1 1680.00	41-24-23	120-55-38	04/51	279	313		341	360				255	
Pit River near Montgomery Creek	A1 1020.00	40-50-30	122-01-00	04/51	278	313		341					254	
Pit River, South Fork, near Likely	A1 4400.00	41-13-51	120-26-10	08/58	279								255	
Putah Creek near Winters	A9 1250.00	38-30-55	122-04-50	12/51	285								258	
Red Bank Creek near Red Bluff	A0 3460.00	40-05-25	122-24-45	01/59	273								256	
Rock Slough at Contra Costa Canal Intake	B9 D 758.6 138.3	37-58-35	121-38-19	09/52	293		323	346						265
RD 70 Drainage to Sacramento River	A0 2965.00	39-04-06	121-51-42	08/69	272	312	318	338	360				258	
RD 108 Drainage to Sacramento River	A0 2933.00	38-51-48	121-47-30	08/69	270	312	318	337	360				258	
RD 784 Drain to Feather River	A0 V 857.4 134.4	38-57-26	121-34-26	09/75	267		318						258	
RD 787 Drainage to Colusa Basin Drain	A0 2950.00	38-48-06	121-43-36	08/69	271	312	318	338					258	
RD 787 Drainage to Sacramento River	A0 2955.00	38-50-48	121-43-48	08/69	271	312	318	338					258	
RD 1001 Drainage to Natomas Cross Canal	A0 V 847.4 135.8	38-47-25	121-35-47	04/72	267		318						258	
RD 1500 Drainage to Sacramento Slough	A0 2926.00	38-47-06	121-39-18		270			337					258	
Sacramento River at Bend Bridge	A0 2785.00	40-15-48	122-13-19	01/57	269	312		337	360				256	
Sacramento River at Butte City	A0 2500.00	39-27-25	121-59-35	01/57	269								256	
Sacramento River at Colusa	A0 2420.00	39-12-48	121-59-54	10/58	268								256	
Sacramento River above Colusa Basin Drain	A0 2230.02	38-48-29	121-43-25	07/60	268	312	318	336	360				258	
Sacramento River at Delta	A2 1300.00	40-56-20	122-24-55	04/51	280								254	
Sacramento River at Elkhorn Ferry	A0 2112.00	38-40-33	121-37-15	08/69	267			336					258	
Sacramento River at Emmaton	B9 D 805.1 144.3	38-05-04	121-44-17	10/67	300		330	352	362					265
Sacramento River at Fremont Weir, West End	A0 2170.00	38-45-34	121-39-59	06/65	267			336	360	363	368		258	
Sacramento River at Greenes Landing	B9 D 820.7 132.7	38-20-45	121-32-42	07/62	306	315	334	355	362					264
Sacramento River at Hamilton City	A0 2630.00	39-45-06	121-59-48	04/51	269								256	
Sacramento River at Keswick	A2 1010.00	40-36-40	122-26-45	04/51	279	313		341					254	
Sacramento River below Knights Landing	A0 2195.01	38-45-48	121-40-45	07/67	268		318						258	
Sacramento River above Point Sacramento	B9 D 803.8 149.2	38-03-45	121-49-10	03/71	299	315	328	350	361					265
Sacramento River below Rio Vista Bridge	B9 D 809.4 141.0	38-09-27	121-41-01	01/68	304	315	332	354	362					264
Sacramento River near Ryde	B9 D 814.5 133.2	38-14-28	121-33-09	03/74	305		333	355						264
Sacramento River at Walnut Grove	B9 D 814.5 130.8	38-14-32	121-30-48	12/60						367				264
Sacramento Slough at Sacramento River	A0 2925.00	38-46-50	121-38-20	01/51	270		318						258	
San Joaquin River at Antioch Ship Channel	B9 D 801.2 148.5	38-01-15	121-48-28	01/68	295	314	325	348	361					265
San Joaquin River at Brandt Bridge	B9 D 751.9 119.3	37-51-53	121-19-19	03/57	292		323	345						265
San Joaquin River at Buckley Cove	B9 D 758.7 122.9	37-58-42	121-22-55	02/68	293	314	324	346	361					265
San Joaquin River at Jersey Point	B9 D 803.1 141.3	38-03-09	121-41-17	10/67	298	314	328	350	361					265
San Joaquin River at Mossdale Bridge	B9 D 747.2 118.4	37-47-11	121-18-22	09/52	289		321	343	361	365	376			265
San Joaquin River near Mouth of Middle River	B9 D 802.9 132.0	38-02-54	121-32-01	03/74	298		328	350						265
San Joaquin River above Paradise Cut	B9 D 745.3 118.3	37-45-16	121-18-16	06/75	289		321	343						265

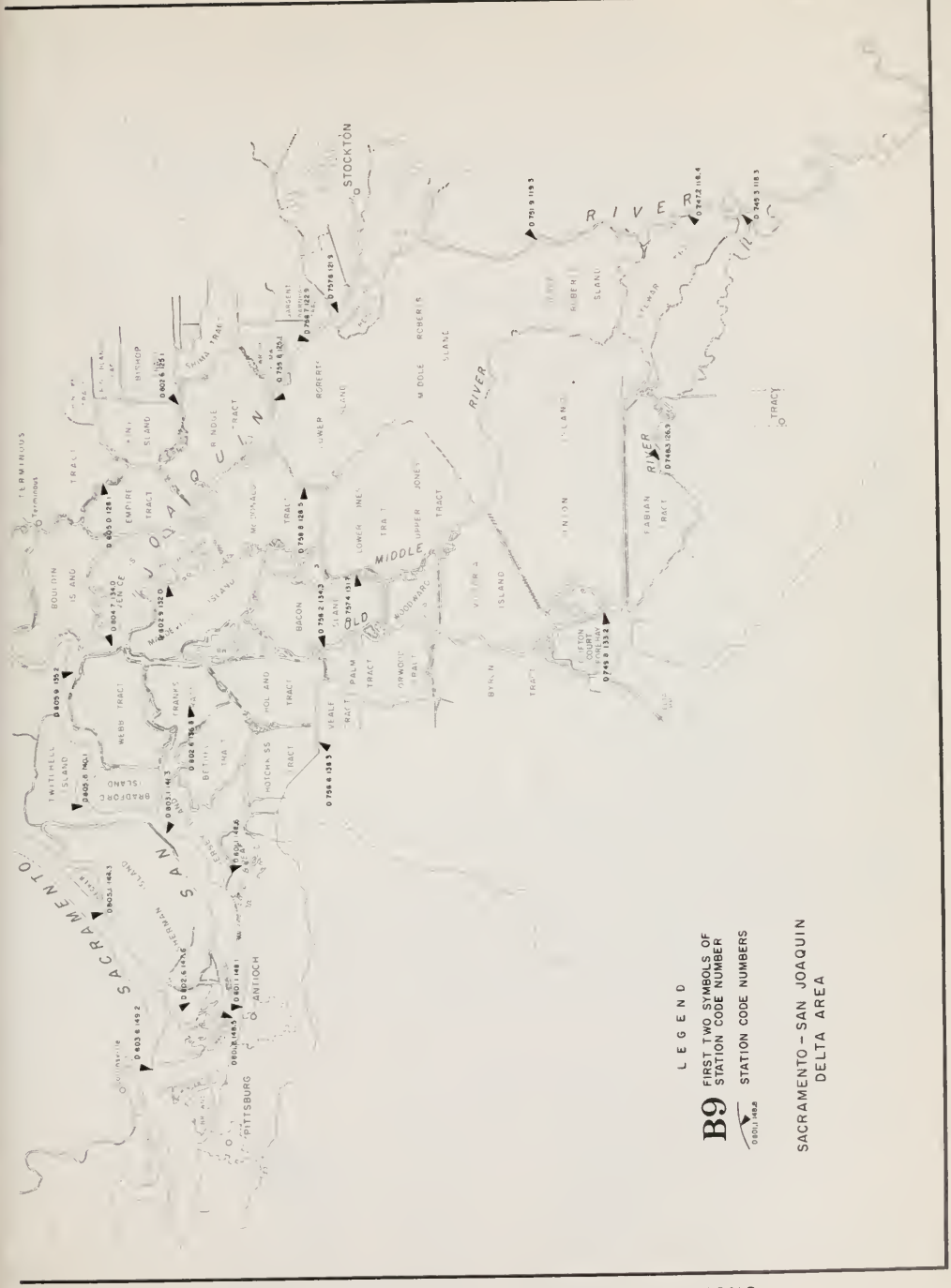
TABLE D-1 (CONTINUED)

SAMPLING STATION DATA AND INDEX

STATION NAME	STATION NUMBER	LOCATION LATITUDE ° ' "	LOCATION LONGITUDE ° ' "	RECORD BEGAN	DATA ON PAGES INDICATED: TABLE D-2	TABLE D-3	TABLE D-4	TABLE D-5	TABLE D-6	TABLE D-7	TABLE D-8	TABLE D-9	FIGURE D-1	FIGURE D-2
San Joaquin River at Potato Point	B9 D 804.7 134.0	38-04-40	121-34-00	03/71	299	315	329	351	362					265
San Joaquin River at Rindge Pump	B9 D 759.8 125.1	37-59-51	121-25-06	01/65						366				265
San Joaquin River near San Andreas Landing	B9 D 805.9 135.2	38-05-53	121-35-13	03/74	302		331	353						265
San Joaquin River at Twitchell Island	B9 D 805.8 140.1	38-05-50	121-40-05	02/68	301		330	352						265
San Joaquin River near Vernalis	B0 7020.00	37-40-34	121-15-51	04/51	287	314	319	342	360				259	
Sherman Lake near Antioch	B9 D 802.6 147.6	38-02-34	121-47-34	11/68	297		327	349						265
Squirrel Creek near Penn Valley	A6 1265.00	39-12-38	121-12-04	07/72	283			342		365	371		257	
Stockton Diverting Canal at Stockton	B0 2580.00	37-58-53	121-14-54	08/69	286						374		259	
Stockton Ship Channel at Burns Cutoff	B9 D 757.8 121.9	37-57-46	121-21-54	10/68						366	377			265
Stony Creek below Black Butte Dam	A3 1110.00	39-49-00	122-20-10	01/58	280	313		341					256	
Stony Creek near Fruto	A3 1250.00	39-40-15	122-31-05	02/60	280	313		341	360				256	
Susan River near Litchfield	G4 1590.01	40-22-45	120-23-35	11/68	307	316		356	362				257	
Susan River at Susanville	G4 1600.00	40-25-05	120-40-15	04/51	308	316		356					257	
Sutter BP State PP No. 1 near Nicolaus	A0 5910.00	38-56-00	121-38-06		276		318	339					258	
Sutter BP State PP No. 2 near Tisdale	A0 5920.00	39-01-36	121-43-30		276		318	340					258	
Sutter BP State PP No. 3 near Yuba City	A0 5925.00	39-07-18	121-46-48		276		318	340					256	
Sycamore Slough near Mouth	B9 D 808.5 128.0	38-08-28	121-28-00	03/74	303		331	353						264
Taylor Creek near Camp Richardson (T-4)	G7 3571.01	38-55-50	120-03-13	07/68	310			357					259	
Thermalito Afterbay Release to Feather River	A0 5975.00	39-27-24	121-38-09	10/69						364			256	
Third Creek near Mouth (T-6)	G7 3230.01	39-14-26	119-56-46	08/71	309			357					259	
Thomes Creek at Paskenta	A3 2120.00	39-52-55	122-33-05	10/58	281			342					256	
Thomes Creek at Richfield	A0 3220.01	39-58-45	122-10-35	01/59	273								256	
Trout Creek at South Lake Tahoe (T-9)	G7 3810.00	38-55-55	119-58-40		310			358					259	
Truckee River at Farad	G7 1195.00	39-25-13	120-01-51	04/51	309								257	
Turner Cut at McDonald Island Ferry	B9 D 758.8 128.5	37-58-47	121-28-27	03/74	294		324	347						265
Upper Truckee River near Mouth (T-1)	G7 3705.01	38-55-24	119-59-28	07/68	310			358					259	
Wadsworth Canal near Sutter	A0 5927.00	39-07-42	121-45-12		276		318	340					256	
Ward Creek near Mouth (T-5)	G7 3050.01	39-07-57	120-09-24	08/71	309			357					259	
West Canal at Mouth of Intake to Clif Ct Fby	B9 D 749.8 133.2	37-49-50	121-33-09	03/73	291	314	322	345	361					265
West Walker River below Little Walker River	G9 2460.00	38-22-48	119-27-00	08/58	310								260	
White Slough at Correia Ferry (Site)	B9 D 805.0 128.1	38-05-01	121-28-07	03-74	300		329	351						265
Yolo Bypass below Sacramento Bypass	A0 2905.00	38-35-06	121-35-00	04/72	269		318						258	
Yuba River at Marysville	A0 6120.00	39-08-32	121-34-30	04/51	276								256	



SURFACE WATER QUALITY SAMPLING STATIONS



SURFACE WATER QUALITY SAMPLING STATIONS

TABLE D-2

MINERAL ANALYSES OF SURFACE WATER

Sampler and Lab Agency Codes

1904	-	California Department of Transportation, District 4 Lab.
2163	-	California Department of Water Resources for SWRCB
3207	-	California Department of Transportation
5001	-	U. S. Bureau of Reclamation
5050	-	California Department of Water Resources

Abbreviations

TIME	-	Pacific Standard Time on a 24-hour clock
G.H.	-	Instantaneous gage height in feet above an established datum
Q	-	Instantaneous discharge in cubic feet per second
DEPTH	-	Depth in feet at which sample was collected
DO	-	Dissolved oxygen content in milligrams per liter
SAT	-	Percent of normal dissolved oxygen saturation
TEMP	-	Water temperature at time of sampling in degrees Fahrenheit (F) and Celsius (C)
PH	-	Measure of acidity (<7) or alkalinity (>7) of water
EC	-	Electrical conductance in micromhos at 25°C
TDS	-	Gravimetric determination of total dissolved solids at 180°C (Value followed by * is determination at 105°C)
SUM	-	Total dissolved solids by summation of analyzed constituents
TH	-	Total hardness
NCH	-	Noncarbonate hardness - any excess of total hardness over total alkalinity
TURB	-	Jackson Turbidity Units measured with a Hellege Turbidmeter (E) or a Hack Nephelometer (A) with (F) for field determination.
SAR	-	Sodium adsorption ratio

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.

Mineral Constituents

B	-	Boron	K	-	Potassium
CA	-	Calcium	MG	-	Magnesium
CL	-	Chloride	NA	-	Sodium
CO3	-	Carbonate	NO3	-	Nitrate
F	-	Fluoride	SIO2	-	Silica
HCO3	-	Bicarbonate	SO4	-	Sulfate

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. Q DEPTH	DO SAT	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TM NCM	TURB SAR
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
AO V 836.4 131.4 NATOMAS MAIN DRAIN TO SACRAMENTO RIVER																				
09/17/75	5050		5.1	69	F	7.3	417	--	--	--	--	--	--	--	--	--	--	--		
0730	5050		56	21	C		461										--			
AO V 847.4 135.8 R-D 1001 DRAINAGE TO NATOMAS CROSS CANAL																				
09/17/75	5050		5.6	70	F	7.2	386	--	--	--	--	--	--	--	--	--	--	--		
0830	5050		63	21	C		431										--			
AO V 857.4 134.4 R-D 784 DRAIN TO FEATHER RIVER																				
09/17/75	5050		6.1	69	F	7.0	135	--	--	--	--	--	--	--	--	--	--	--		
1030	5050		67	21	C		150										--			
AO 2112.00 SACRAMENTO RIVER AT ELKHORN FERRY																				
10/16/74	5050		8.7	61	F	7.3	95	--	--	--	--	--	--	--	--	--	--	--		8A
0745	5050	17700	88	16	C		99										--			
11/20/74	5050		10.1	53	F	7.3	102	--	--	--	--	--	--	--	--	--	--	--		9A
0930	5050	21100	93	12	C		105										--			
12/18/74	5050		10.7	49	F	7.3	107	--	--	--	--	--	--	--	--	--	--	--		5A
0910	5050	19800	93	9	C		120										--			
01/15/75	5050		11.5	46	F	7.3	112	--	--	--	--	--	--	--	--	--	--	--		11A
0915	5050	10800	96	8	C		130										--			
02/19/75	5050		10.3	47	F	7.2	134	--	--	--	--	--	--	--	--	--	--	--		30A
0915	5050	53100	88	8	C		149										--			
03/19/75	5050		10.7	50	F	7.4	131	--	--	--	--	--	--	--	--	--	--	--		30A
0730	5050	41700	95	10	C		152										--			
04/16/75	5050		10.1	54	F	7.4	116	--	--	--	--	--	--	--	--	--	--	--		14A
0830	5050	24600	93	12	C		132										--			
05/21/75	5050		9.1	60	F	7.4	118	--	--	--	--	--	--	--	--	--	--	--		11A
0730	5050	30400	91	16	C		132										--			
06/18/75	5050		8.4	66	F	7.4	106	--	--	--	--	--	--	--	--	--	--	--		7A
0745	5050	20000	90	19	C		111										--			
07/16/75	5050		9.0	68	F	7.5	106	--	--	--	--	--	--	--	--	--	--	--		7A
0800	5050	16200	98	20	C		115										--			
08/20/75	5050		8.3	68	F	7.4	134	--	--	--	--	--	--	--	--	--	--	--		8A
0745	5050	17800	91	20	C		141										--			
09/17/75	5050		8.3	67	F	7.5	129	--	--	--	--	--	--	--	--	--	--	--		7A
0800	5050	19100	90	19	C		141										--			
AO 2170.00 SACRAMENTO RIVER AT FREMONT WEIR, WEST END																				
10/16/74	5050	18.66	9.6	61	F	7.4	117	10	6.1	7.1	.6	0	66	6.4	3.4	.8	.00	--	71	50	15A
1000	5050		97	16	C	7.8	128	.50	.50	.31	.02	.00	1.08	.13	.10	.01		--	87	0	0.4
								38	38	23	2		82	10	8	1					
11/20/74	5050	20.41	10.2	53.5F		7.4	123	11	6.0	8.6	1.5	0	68	8.4	2.4	.4	.10	--	97	52	8A
1115	5050		94	11.9C		8.0	139	.55	.49	.37	.04	.00	1.11	.17	.07	.01		--	72	0	0.5
								38	34	26	3		82	13	5	1					
12/18/74	5050	20.10	10.7	50	F	7.4	146	13	6.2	10	1.3	0	78	9.7	2.9	.8	.10	--	105	58	8A
1115	5050		95	10	C	7.6	162	.65	.51	.44	.03	.00	1.28	.20	.08	.01		--	82	0	0.6
								40	31	27	2		82	13	5	1					
01/15/75	5050	18.46	11.4	47	F	7.4	168	15	7.4	12	1.1	0	85	13	4.8	1.3	.00	--	110	68	12A
1145	5050		97	8	C	8.3	189	.75	.61	.52	.03	.00	1.39	.27	.14	.02		--	96	0	0.6
								39	32	27	2		76	15	8	1					
02/19/75	5050		11.0	47	F	7.3	142	13	6.7	7.6	1.0	0	73	11	4.3	1.0	.10	--	110	60	25A
1100	5050		93	8	C	7.9	156	.65	.55	.33	.03	.00	1.20	.23	.12	.02		--	81	0	0.4
								42	35	21	2		76	15	8	1					
03/19/75	5050	29.89	10.9	49	F	7.4	150	13	7.4	9.0	.8	0	75	13	3.4	.8	.00	--	112	63	29A
0930	5050		95	9	C	7.7	170	.65	.61	.39	.02	.00	1.23	.27	.10	.01		--	84	2	0.5
								39	37	23	1		76	17	6	1					
04/16/75	5050	23.15	9.9	55	F	7.4	140	9.9	8.6	8.2	.7	0	74	11	2.9	.7	.00	--	106	60	19A
1000	5050		93	13	C	7.7	158	.49	.71	.36	.02	.00	1.21	.23	.08	.01		--	78	0	0.5
								31	45	23	1		79	15	5	1					
05/21/75	5050	25.76	9.2	60.0F		7.4	135	11	8.1	4.6	1.6	0	67	11	5.2	.2	.00	--	97	62	24A
0930	5050		92	15.5C		7.3	151	.55	.67	.20	.04	.00	1.10	.23	.15	.00		--	75	6	0.3
								38	46	14	3		74	16	10						
06/18/75	5050	19.69	8.8	68.0F		7.4	135	11	6.2	8.2	.9	0	71	12	3.5	.4	.00	--	98	53	25A
1015	5050		96	20.0C		8.3	152	.55	.51	.36	.02	.00	1.16	.25	.10	.01		--	77	0	0.5
								38	35	25	1		76	16	7	1					
07/16/75	5050	17.90	8.9	69	F	7.5	177	13	8.4	12	.9	0	90	16	5.4	.4	.10	--	128	67	12A
1045	5050		99	21	C	8.1	193	.65	.69	.52	.02	.00	1.48	.33	.15	.01		--	100	0	0.6
								35	37	28	1		75	17	8	1					

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. Q DEPTH	OD SAT	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
							MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER					PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER		MILLIGRAMS PER LITER		
AO 2170.00							SACRAMENTO RIVER AT FREMONT WEIR, WEST END								CONTINUED					
08/20/75	SJSO	19.11	8.7	66.0F	7.6	180	14	8.9	16	1.0	0	97	16	7.2	.5	.10	--	142	73	22A
0930	SJSO		93	18.9C	8.0	223	.70	.73	.70	.03	.00	1.59	.33	.20	.01		--	111	0	0.8
							32	34	32	1		75	15	9						
09/17/75	SJSO	19.43	8.1	71 F	7.4	218	15	10	18	1.4	0	104	17	9.6	--	.10	--	149	78	24A
1130	SJSO		91	22 C	7.8	240	.75	.82	.78	.04	.00	1.70	.35	.27			--	122	0	0.9
							31	34	33	2		73	15	12						
AO 2195.01							SACRAMENTO RIVER BELOW KNIGHTS LANDING													
10/23/74	SJSO		10.2	57.2F	7.4	135	--	--	7.7	--	0	64	--	2.6	--	.00	--		49	18A
1400	SJSO	10700	99	14.0C	7.6	134			.33		.00	1.05		.07			--			0.5
									25											
11/19/74	SJSO		10.7	53.6F	7.7	139	--	--	--	--	--	--	--	--	--	--	--			9AF
1610		11800	99	12.0C													--			
12/18/74	SJSO		11.3	50.0F	7.6	153	--	--	--	--	--	--	--	--	--	--	--			10AF
1510		12600	100	10.0C													--			
09/24/75	SJSO		9.0	69.8F	8.4	179	--	--	--	--	--	--	--	--	--	--	--			10AF
1550		9570	100	21.0C													--			
AO 2230.02							SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN													
10/23/74	SJSO	21.36	9.9	55.4F	7.4	112	--	--	5.2	--	0	58	--	1.2	--	.00	--		44	14A
1230	SJSO	10700E	94	13.0C	7.7	113			.23		.00	.95		.03			--			0.3
									21											
11/19/74	SJSO	22.51	10.7	53.6F	7.7	125	--	--	--	--	--	--	--	--	--	--	--			8AF
1350		11800E	99	12.0C													--			
12/18/74		22.63	11.4	50.0F	7.6	142	--	--	--	--	--	--	--	--	--	--	--			
1300		12600E	101	10.0C													--			
01/22/75	SJSO	20.12	11.0	48.2F	7.5	145	--	--	--	--	--	--	--	--	--	--	--			8AF
1320		9640E	95	9.0C													--			
02/26/75	SJSO	29.02	11.4	49.1F	7.4	153	--	--	--	--	--	--	--	--	--	--	--			29AF
1140		22600E	100	9.5C													--			
03/26/75	SJSO	37.25	11.1	50.9F	7.9	134	--	--	--	--	--	--	--	--	--	--	--			60AF
1410		26900E	99	10.5C													--			
04/23/75	SJSO	22.51	9.9	59.0F	8.0		--	--	7.4	--	0	72	--	3.2	--	.00	--		58	14A
1315	SJSO	12200E	98	15.0C	7.9	146			.32		.00	1.18		.09			--			0.4
									22											
05/22/75	SJSO	26.61	9.6	60.8F	7.6	131	--	--	--	--	--	--	--	--	--	--	--			22AF
1210		17200E	97	16.0C													--			
06/24/75	SJSO	20.00	8.8	66.2F	8.0	132	--	--	--	--	--	--	--	--	--	--	--			14AF
1310		9750E	94	19.0C													--			
07/29/75	SJSO	19.84	8.5	70.7F	7.9	139	--	--	--	--	--	--	--	--	--	--	--			10AF
1310		8250E	96	21.5C													--			
08/26/75	SJSO	21.24	8.5	68.0F	7.4	162	--	--	--	--	--	--	--	--	--	--	--			13AF
1250		10200E	93	20.0C													--			
09/24/75	SJSO	20.29	8.6	68.0F	7.6	140	--	--	--	--	--	--	--	--	--	--	--			10AF
1345		9570E	94	20.0C													--			
AO 2420.00							SACRAMENTO RIVER AT COLUSA													
10/23/74	SJSO	44.98	10.0	59.0F	7.5	110	--	--	5.2	--	0	58	--	1.2	--	.00	--		43	22A
1000	SJSO	13100	99	15.0C	7.7	112			.23		.00	.95		.03			--			0.3
									21											
11/19/74	SJSO	46.26	11.1	53.6F	7.7	126	--	--	--	--	--	--	--	--	--	--	--			7AF
1055			103	12.0C													--			
12/18/74	SJSO	46.61	11.1	50.0F	7.6	131	--	--	--	--	--	--	--	--	--	--	--			9AF
1005		12100	98	10.0C													--			
01/22/75	SJSO	43.83	11.7	48.2F	7.4	133	--	--	--	--	--	--	--	--	--	--	--			6AF
1045		8900	101	9.0C													--			
02/26/75	SJSO	53.41	10.3	50.0F	7.4	149	--	--	--	--	--	--	--	--	--	--	--			19AF
0930		20900	91	10.0C													--			
03/26/75	SJSO	64.51	10.6	50.0F	7.4	120	--	--	--	--	--	--	--	--	--	--	--			160AF
1210		39700	94	10.0C													--			
04/23/75	SJSO	48.13	9.9	54.5F	7.6	143	--	--	--	--	--	--	--	--	--	--	--			14AF
1015		13900	93	12.5C													--			
05/22/75	SJSO	50.50	9.6	59.0F	7.8	119	--	--	--	--	--	--	--	--	--	--	--			16AF
1010		17000	95	15.0C													--			

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TM NCH	TURB SAR
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER			
		A0 2420.00			SACRAMENTO RIVER AT COLUSA															
																	CONTINUED			
06/24/75 1000	5050	46.02 10800	9.1 96	64.4F 18.0C	7.6	126	--	--	--	--	--	--	--	--	--	--	-- --			6AF
07/29/75 1015	5050	44.67 9890	9.1 100	68.0F 20.0C	7.5	124	--	--	--	--	--	--	--	--	--	--	-- --			7AF
08/26/75 0940	5050	45.16 9720	9.0 97	66.2F 19.0C	7.6	127	--	--	--	--	--	--	--	--	--	--	-- --			7AF
09/24/75 0850	5050	44.03 8350	9.4 99	64.4F 18.0C	8.4	123	--	--	--	--	--	--	--	--	--	--	-- --			5AF
		A0 2500.00			SACRAMENTO RIVER AT BUTTE CITY															
11/19/74 0930	5050	72.70 11500	11.7 107	52.7F 11.5C	7.7	128	--	--	--	--	--	--	--	--	--	--	-- --			7AF
01/22/75 0915	5050	71.27 8170	10.7 93	48.2F 9.0C	7.3	133	--	--	--	--	--	--	--	--	--	--	-- --			5AF
03/26/75 0815	5050 5050	89.78 8080	10.9 94	48.2F 9.0C	7.3 7.7	118 116	--	--	6.2 .27 22	--	0 .00	58 .95	--	1.9 .05	--	.00	-- --	48		190A 0.4
05/22/75 0840	5050	74.53 16500	9.9 96	57.2F 14.0C	8.0	119	--	--	--	--	--	--	--	--	--	--	-- --			10AF
07/29/75 0850	5050	72.10 10100	9.0 94	63.5F 17.5C	7.4	123	--	--	--	--	--	--	--	--	--	--	-- --			5AF
09/24/75 0710	5050	71.47 8610	9.8 101	62.6F 17.0C	7.5	123	--	--	--	--	--	--	--	--	--	--	-- --			4AF
		A0 2630.00			SACRAMENTO RIVER AT HAMILTON CITY															
11/15/74 1340	5050	29.99 11670	11.9 110	53.6F 12.0C	7.1	123	--	--	--	--	--	--	--	--	--	--	-- --			7AF
01/08/75 1015	5050	31.27 15890	10.8 94	48.2F 9.0C	7.6	153	--	--	--	--	--	--	--	--	--	--	-- --			24AF
03/20/75 1015	5050 5050	40.93 69340	10.3 90	49.1F 9.5C	7.8 7.6	106 105	--	--	5.0 .22 20	--	0 .00	53 .87	--	3.8 .11	--	.00	-- --	43		110A 0.3
05/02/75 0835	5050	31.64 17210	10.9 101	53.6F 12.0C	8.1	126	--	--	--	--	--	--	--	--	--	--	-- --			11AF
07/02/75 0845	5050	31.72 18030	10.0 97	57.2F 14.0C	7.6	114	--	--	--	--	--	--	--	--	--	--	-- --			5AF
09/22/75 1000	5050	28.98 8570	9.6 99	62.6F 17.0C	8.4	116	--	--	--	--	--	--	--	--	--	--	-- --			4AF
		A0 2785.00			SACRAMENTO RIVER AT BENO BRIDGE															
11/14/74 0840	5050	20.55 10950	11.0 100	51.8F 11.0C	7.2	120	--	--	--	--	--	--	--	--	--	--	-- --			5AF
01/15/75 0830	5050	19.89 7800	11.6 99	46.4F 8.0C	8.2	142	--	--	--	--	--	--	--	--	--	--	-- --			4AF
03/05/75 0800	5050	20.38 10950	10.7 93	48.2F 9.0C	7.4	133	--	--	--	--	--	--	--	--	--	--	-- --			6AF
05/21/75 1320	5050 5050	22.21 16400	10.8 101	53.6F 12.0C	7.4 7.9	114	--	--	5.6 .24 21	--	0 .00	56 .92	--	2.1 .06	--	.00	-- --	44		3A 0.4
07/22/75 0735	5050	20.95 12400	10.0 94	54.5F 12.5C	7.1	115	--	--	--	--	--	--	--	--	--	--	-- --			3AF
09/11/75 0745	5050	19.56 9100	9.4 90	55.4F 13.0C	7.7	107	--	--	--	--	--	--	--	--	--	--	-- --			3AF
		A0 2905.00			YOLO BYPASS BELOW SACRAMENTO BYPASS															
09/17/75 1230	5050 5050	11.05	6.9 80	74 F 23 C	7.8	578 632	--	--	--	--	--	--	--	--	--	--	-- --			

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	Q.M. Q DEPTH	QD SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TN NCM	TURB SAR
							MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				
AO 2925.00				SACRAMENTO SLOUGH AT SACRAMENTO RIVER																
10/23/74	5050		8.0	63.5F	7.6	245	--	--	14	--	0	128	--	11	--	.00	--		93	12A
1200	5050	590	83	17.5C	8.0	245			.61		.00	2.10		.31			--			0.6
									25											
01/22/75	5050		10.5	47.3F	7.6	318	--	--	22	--	0	196	--	19	--	1.90	--		146	34A
1245	5050	570	90	8.5C	8.3	374			.96		.00	3.21		.54			--			0.8
									25											
04/23/75	5050		8.3	60.8F	7.6	365	--	--	--	--	--	--	--	--	--	--	--			45AF
1230		1200	84	16.0C													--			
06/24/75	5050		6.6	69.8F	7.6	427	--	--	--	--	--	--	--	--	--	--	--			37AF
1225		1090	74	21.0C													--			
07/29/75	5050		6.0	77.9F	7.6	486	--	--	--	--	--	--	--	--	--	--	--			9AF
1220		980	73	25.5C													--			
08/26/75	5050		6.0	75.2F	7.4	475	--	--	--	--	--	--	--	--	--	--	--			113AF
1125		1240	71	24.0C													--			
09/24/75	5050		6.6	75.2F	7.6	495	--	--	--	--	--	--	--	--	--	--	--			21AF
1310		790	78	24.0C													--			
AO 2926.00				R-D 1500 DRAINAGE TO SACRAMENTO SLOUGH																
11/19/74	5050		9.9	55.4F	7.7	482	--	--	41	--	0	187	--	51	--	.20	--		155	12A
1320	5050		94	13.0C	8.0	497			1.78		.00	3.06		1.44			--			1.4
									36											
12/18/74	5050		10.6	50.0F	8.1	732	--	--	74	--	0	300	--	94	--	.20	--		263	17A
1230	5050		94	10.0C	8.2	826			3.22		.00	4.92		2.65			--			2.0
									38											
AO 2933.00				R-D 108 DRAINAGE TO SACRAMENTO RIVER																
10/23/74	5050		10.2	62.6F	8.2	349	17	14	34	1.5	0	134	38	18	2.1	.10	--	209	101	29A
1320	5050	310	105	17.0C	8.1	365	.85	1.15	1.48	.04	.00	2.20	.79	.51	.03		--	191	0	1.5
							24	33	42	1		62	22	14	1					
11/19/74	5050		7.3	53.6F	8.4	968	--	--	129	--	14	343	--	73	--	.50	--		284	22A
1505	5050	.0	68	12.0C	8.5	1060			5.61		.47	5.62		2.06			--			3.3
									50											
12/18/74	5050		8.8	49.1F	8.1	869	--	--	--	--	--	--	--	--	--	--	--			23AF
1410		.0	77	9.5C													--			
01/22/75	5050		7.4	48.2F	8.0	913	--	--	118	--	6.0	349	--	88	--	.60	--		309	17A
1425	5050	400	64	9.0C	8.4	1080			5.13		.20	5.72		2.48			--			2.9
									45											
02/26/75	5050		7.7	58.1F	7.8	934	--	--	--	--	--	--	--	--	--	--	--			16AF
1235		.0	75	14.5C													--			
03/26/75	5050		9.5	51.8F	8.2	969	--	--	110	--	12	287	--	90	--	.50	--		292	44A
1525	5050	.0	86	11.0C	8.5	1020			5.13		.40	4.70		2.54			--			3.0
									47											
04/23/75	5050		11.4	60.8F	8.4		--	--	94	--	0	244	--	65	--	.30	--		217	21A
1200	5050	.0	115	16.0C	8.3	806			4.09		.00	4.00		1.83			--			2.8
									49											
05/22/75	5050		5.7	69.8F	8.1	493	--	--	--	--	--	--	--	--	--	--	--			84AF
1320		440	64	21.0C													--			
06/24/75	5050		6.4	69.8F	7.4	503	--	--	--	--	--	--	--	--	--	--	--			41AF
1415		160	71	21.0C													--			
07/29/75	5050		5.8	77.0F	7.3	533	--	--	--	--	--	--	--	--	--	--	--			23AF
1410		160	70	25.0C													--			
08/26/75	5050		5.8	73.4F	7.3	571	--	--	--	--	--	--	--	--	--	--	--			26AF
1350		400	67	23.0C													--			
09/24/75	5050		6.0	73.4F	7.9	683	--	--	--	--	--	--	--	--	--	--	--			26AF
1455		.0	69	23.0C													--			
AO 2947.10				COLUSA BASIN DRAIN NEAR KNIGHTS LANDING																
10/23/74	5050	23.45	9.7	60.8F	8.0	659	--	--	--	--	--	--	--	--	--	--	--			38AF
1300		173	98	16.0C													--			
11/19/74	5050	23.46	10.5	54.5F	8.3	823	--	--	94	--	0	285	--	49	--	.30	--		237	30A
1430	5050		98	12.5C	8.2	866			4.09		.00	4.67		1.38			--			2.7
									46											
12/18/74	5050	23.52	10.9	50.0F	8.2	990	--	--	119	--	0	302	--	63	--	.40	--		274	38A
1335	5050	88	96	10.0C	8.1	1020			5.18		.00	4.95		1.78			--			3.1
									49											
01/22/75	5050	21.54	10.5	48.2F	8.0	892	--	--	--	--	--	--	--	--	--	--	--			47AF
1355			91	9.0C													--			
02/26/75	5050		10.3	53.6F	8.0	1180	--	--	--	--	--	--	--	--	--	--	--			32AF
1200		301	95	12.0C													--			

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	B.M. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: B	F	SIO2	TDS SUM	TH NCH	TURB SAR
	AD 2947.10			COLUSA BASIN DRAIN NEAR KNIGHTS LANDING														CONTINUED			
03/26/75 1555	5050 5050	1170E	9.9 90	51.8F 11.0C	8.1 8.3	707 721	--	--	88 3.83 50	--	0 .00	204 3.34	--	45 1.27	--	.20	-- --			188	415A 2.8
04/23/75 1045	5050 5050	23.88 24	8.7 88	60.8F 16.0C	8.2 8.3	826	--	--	100 4.35 48	--	0 .00	237 3.88	--	60 1.69	--	.30	-- --			236	100A 2.8
05/22/75 1250	5050	27.35 750	7.4 80	67.1F 19.5C	8.0	568	--	--	--	--	--	--	--	--	--	--	-- --				55AF
07/29/75 1320	5050	24.52 409	6.5 81	80.6F 27.0C	7.9	655	--	--	--	--	--	--	--	--	--	--	-- --				44AF
08/26/75 1325	5050	24.53 1330	6.1 72	75.2F 24.0C	7.8	620	--	--	--	--	--	--	--	--	--	--	-- --				80AF
09/24/75 1425	5050 5050	23.47 627	6.3 74	75.2F 24.0C	7.8 8.2	646 639	--	--	88 2.96 44	--	0 .00	253 4.15	--	35 .99	--	.30	-- --			189	66A 2.2
	AD 2950.00			R-D 787 DRAINAGE TO COLUSA BASIN DRAIN																	
11/09/74 1415	5050	19.00	3.0 28	55.4F 13.0C	7.5	428	--	--	--	--	--	--	--	--	--	--	-- --				17AF
01/22/75 1345	5050 5050	.0	11.6 98	46.4F 8.0C	8.2 8.1	685 799	--	--	82 3.57 44	--	0 .00	345 5.65	--	38 1.07	--	.90	-- --			229	21A 2.4
02/26/75 1200	5050 5050		7.9 72	52.7F 11.5C	7.3 8.0	429 424	--	--	29 1.26 30	--	0 .00	196 3.21	--	16 .45	--	.40	-- --			150	29A 1.0
03/26/75 1440	5050 5050		10.4 94	51.8F 11.0C	8.2 8.5	635 639	--	--	62 2.70 39	--	10 .33	233 3.82	--	37 1.04	--	.90	-- --			209	120A 1.9
04/23/75 1025	5050 5050		9.2 93	60.8F 16.0C	8.3 8.5	758	--	--	81 3.52 42	--	8.0 .27	313 5.13	--	39 1.10	--	.90	-- --			240	18A 2.3
05/22/75 1230	5050 5050		7.4 82	69.8F 21.0C	8.4 8.2	583 552	--	--	47 2.04 36	--	0 .00	231 3.79	--	24 .68	--	.50	-- --			182	10A 1.5
06/24/75 1325	5050 5050		9.6 109	71.6F 22.0C	7.9 7.9	475 492	--	--	42 1.83 35	--	0 .00	213 3.49	--	22 .62	--	.40	-- --			168	6A 1.4
07/29/75 1315	5050		5.5 65	76.1F 24.5C	7.4	556	--	--	--	--	--	--	--	--	--	--	-- --				14AF
08/26/75 1225	5050		5.6 64	71.6F 22.0C	7.3	570	--	--	--	--	--	--	--	--	--	--	-- --				16AF
09/24/75 1410	5050		3.8 44	73.4F 23.0C	7.6	653	--	--	--	--	--	--	--	--	--	--	-- --				28AF
	AD 2955.00			R-D 787 DRAINAGE TO SACRAMENTO RIVER																	
10/23/74 1340	5050 5050	19.00	8.6 87	60.8F 16.0C	7.8 7.9	618 632	34 1.70 26	30 2.47 38	52 2.26 35	2.7 .07 1	0 .00	260 4.26 66	88 1.42 22	28 .79 12	1.8 .03	.70	-- --	369 345	209 0	190	90A 1.0
11/19/74 1530	5050 5050	19.30	9.4 87	53.6F 12.0C	8.1 8.3	428 459	--	--	30 1.31 28	--	0 .00	206 3.38	--	20 .56	--	.30	-- --			170	19A 1.0
12/18/74 1435	5050 5050	19.30	9.9 88	50.0F 10.0C	7.8 8.2	361 401	--	--	24 1.04 24	--	0 .00	198 3.25	--	13 .37	--	.20	-- --			165	18A 0.8
01/22/75 1445	5050 5050	19.20 .0	9.5 83	49.1F 9.5C	7.9 8.3	579 667	--	--	43 1.87 25	--	0 .00	303 4.97	--	34 .96	--	.50	-- --			278	22A 1.1
02/26/75 1255	5050		9.1 86	55.4F 13.0C	7.6	724	--	--	--	--	--	--	--	--	--	--	-- --				25AF
03/26/75 1545	5050 5050		10.3 99	56.3F 13.5C	8.1 8.4	680 669	--	--	51 2.22 44	--	6.0 .20	154 2.52	--	33 .93	--	.40	-- --			140	36A 1.9
04/23/75 1230	5050 5050		9.3 94	60.8F 16.0C	8.0 8.3	670	--	--	53 2.31 32	--	0 .00	288 4.72	--	34 .96	--	.60	-- --			251	23A 1.5
05/22/75 1345	5050		6.2 69	69.8F 21.0C	7.4	497	--	--	--	--	--	--	--	--	--	--	-- --				53AF
06/24/75 1445	5050 5050		6.7 75	69.8F 21.0C	7.2 7.9	389 400	--	--	28 1.22 30	--	0 .00	172 2.82	--	17 .48	--	.20	-- --			144	35A 1.0
07/29/75 1430	5050 5050		6.4 77	77.0F 25.0C	7.2 7.9	451 451	--	--	33 1.44 35	--	0 .00	256 4.20	--	19 .54	--	.20	-- --			133	35A 1.2

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCM	TURB SAR
							MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
	A0	2955.00		R-D 787 DRAINAGE TO SACRAMENTO RIVER										CONTINUED						
08/26/75 1425	SJSO		5.6 65	74.3F 23.5C	7.2	458	--	--	--	--	--	--	--	--	--	--	-- --			27AF
09/24/75 1525	SJSO		6.5 77	75.2F 24.0C	7.8	696	--	--	--	--	--	--	--	--	--	--	-- --			45AF
	A0	2965.00		R-D 70 DRAINAGE TO SACRAMENTO RIVER																
10/23/74 1110	SJSO SJSO	34.00	6.8 69	60.8F 16.0C	8.2 8.2	980 1020	--	--	88 3.83 37	--	0 .00	401 6.57	--	111 3.13	--	.30	-- --		329	5A 2.1
11/19/74 1225	SJSO	37.00	8.8 83	55.4F 13.0C	8.1	552	--	--	--	--	--	--	--	--	--	--	-- --			15AF
12/18/74 1105	SJSO SJSO	33.93	9.5 84	50.0F 10.0C	8.0 8.1	678 721	--	--	56 2.44 33	--	0 .00	272 4.46	--	74 2.09	--	.20	-- --		249	9A 1.5
01/22/75 1145	SJSO	34.20	9.4 81	48.2F 9.0C	8.1	844	--	--	--	--	--	--	--	--	--	--	-- --			24AF
02/26/75 1025	SJSO		9.3 87	54.5F 12.5C	7.8	1091	--	--	--	--	--	--	--	--	--	--	-- --			26AF
03/26/75 1300	SJSO SJSO		10.3 91	50.0F 10.0C	7.5 8.5	953 956	--	--	71 3.09 29	--	12 .40	348 5.70	--	114 3.21	--	.20	-- --		370	25A 1.8
04/23/75 1130	SJSO SJSO		8.7 86	59.0F 15.0C	8.0 8.3	540	--	--	37 1.61 29	--	0 .00	212 3.47	--	53 1.49	--	.10	-- --		199	34A 1.1
05/22/75 1115	SJSO		6.4 69	66.2F 19.0C	7.7	575	--	--	--	--	--	--	--	--	--	--	-- --			32AF
06/24/75 1140	SJSO		6.0 68	70.7F 21.5C	7.5	558	--	--	--	--	--	--	--	--	--	--	-- --			27AF
07/29/75 1115	SJSO		6.0 72	77.0F 25.0C	7.3	470	--	--	--	--	--	--	--	--	--	--	-- --			25AF
08/26/75 1040	SJSO		5.6 65	73.4F 23.0C	7.4	545	--	--	--	--	--	--	--	--	--	--	-- --			18AF
09/24/75 1100	SJSO		6.8 80	75.2F 24.0C	8.0	726	--	--	--	--	--	--	--	--	--	--	-- --			28AF
	A0	2972.00		BUTTE SLOUGH NEAR MERIDIAN																
11/19/74 1125	SJSO SJSO	43.50 508	8.4 80	55.4F 13.0C	7.1 7.8	181 189	--	--	12 .52 27	--	0 .00	101 1.66	--	5.2 .15	--	.10	-- --		71	16A 0.6
12/18/74 1040	SJSO SJSO	43.67 607	10.0 86	48.2F 9.0C	8.4 7.8	230 256	--	--	18 .78 28	--	0 .00	135 2.21	--	8.7 .25	--	.10	-- --		99	26A 0.8
01/22/75 1115	SJSO	41.19 349	10.8 91	46.4F 8.0C	7.4	253	--	--	--	--	--	--	--	--	--	--	-- --			21AF
02/26/75 1000	SJSO	47.38 2610	8.6 79	52.7F 11.5C	7.3	233	--	--	--	--	--	--	--	--	--	--	-- --			62AF
03/26/75 1235	SJSO SJSO	54.30 28200	10.8 96	50.0F 10.0C	7.5 7.9	131 127	--	--	6.4 .28 21	--	0 .00	63 1.03	--	2.9 .08	--	.00	-- --		52	130A 0.4
04/23/75 1045	SJSO SJSO	846	8.1 80	59.0F 15.0C	7.4 8.1	216	--	--	12 .52 22	--	0 .00	118 1.93	--	5.4 .15	--	.00	-- --		92	31A 0.5
05/22/75 1045	SJSO	46.48 1240	7.9 83	64.4F 18.0C	7.4	228	--	--	--	--	--	--	--	--	--	--	-- --			26AF
06/24/75 1050	SJSO	42.63 372	6.1 71	73.4F 23.0C	7.6	309	--	--	--	--	--	--	--	--	--	--	-- --			23AF
07/29/75 1050	SJSO	42.38 348	6.6 82	80.6F 27.0C	7.4	337	--	--	--	--	--	--	--	--	--	--	-- --			11AF
08/26/75 1010	SJSO	43.01 438	5.5 65	75.2F 24.0C	7.2	333	--	--	--	--	--	--	--	--	--	--	-- --			10AF
09/24/75 0930	SJSO	41.86 272	5.0 58	73.4F 23.0C	7.2	317	--	--	--	--	--	--	--	--	--	--	-- --			11AF

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER				MILLIEQUIVALENTS PER LITER					MILLIGRAMS PER LITER				
											PERCENT REACTANCE VALUE									
40 2976.90 COLUSA BASIN DRAIN AT MIDWAY 20																				
10/23/74 0915	SJSU	38.53 220	8.9 84	55.4F 13.0C	7.8	584	--	--	--	--	--	--	--	--	--	--	-- --			29AF
11/19/74 1025	SJSU	37.91 122	10.2 93	52.7F 11.5C	8.1 8.4	827 846	--	--	90 3.92 45	--	6.0 .20	294 4.82	--	48 1.35	--	.30	-- --		242	19A 2.5
12/18/74 0940	SJSU	38.47 228	9.7 84	48.2F 9.0C	8.1	915	--	--	--	--	--	--	--	--	--	--	-- --			22AF
02/26/75 0845	SJSU	38.71 266	9.2 83	51.8F 11.0C	8.0	1230	--	--	--	--	--	--	--	--	--	--	-- --			44AF
03/26/75 1015	SJSU	41.96 884	10.1 89	50.0F 10.0C	8.2	759	--	--	--	--	--	--	--	--	--	--	-- --			98AF
04/23/75 0905	SJSU SJSU	37.74 122	8.8 85	57.2F 14.0C	8.0 8.1	758	--	--	88 3.83 49	--	0 .00	193 3.16	--	56 1.58	--	.20	-- --		196	22A 2.7
05/22/75 0925	SJSU	44.51 1390	7.3 78	66.2F 19.0C	7.8	560	--	--	--	--	--	--	--	--	--	--	-- --			43AF
06/24/75 0905	SJSU	41.49 663	6.9 75	68.0F 20.0C	7.8	544	--	--	--	--	--	--	--	--	--	--	-- --			25AF
07/29/75 0930	SJSU	41.88 756	6.4 75	75.2F 24.0C	7.4	541	--	--	--	--	--	--	--	--	--	--	-- --			18AF
08/26/75 0835	SJSU	44.30 1240	6.0 68	71.6F 22.0C	7.6	525	--	--	--	--	--	--	--	--	--	--	-- --			20AF
09/24/75 0750	SJSU SJSU	40.18 542	7.1 78	66.9F 20.5C	7.8 8.2	538 630	--	--	62 2.70 42	--	0 .00	245 4.02	--	34 .96	--	.20	-- --		188	52A 2.0
40 3220.01 THOMES CREEK AT RICHFIELD																				
12/10/74 1400	SJSU SJSU	60E	10.7 91	46.4F 8.0C	8.0 8.2	415 420	56 2.79 64	14 1.15 26	9.5 .41 9	.9 .02	0 .00	168 2.75 64	60 1.25 29	8.6 .24 6	1.7 .03 1	.10	-- --	248 233	198 60	0A 0.3
03/06/75 1320	SJSU	500E	10.1 90	50.0F 10.0C	7.6	187	--	--	--	--	--	--	--	--	--	--	-- --			74AF
06/16/75 1335	SJSU	200E	7.7 98	82.4F 28.0C	7.8	195	--	--	--	--	--	--	--	--	--	--	-- --			5AF
40 3320.00 ELDER CREEK AT GERBER																				
12/10/74 1430	SJSU SJSU	25E	10.5 91	48.2F 9.0C	7.9 8.1	499 498	39 1.95 39	25 2.06 42	21 .91 18	.9 .02	0 .00	210 3.44 69	22 .46 9	38 1.07 21	2.0 .03 1	.00	-- --	260 251	209 29	0A 0.6
03/06/75 1345	SJSU	6.04 80E	10.2 95	53.6F 12.0C	8.0	243	--	--	--	--	--	--	--	--	--	--	-- --			6AF
06/16/75 1315	SJSU SJSU	40E	9.1 120	86.0F 30.0C	8.3 8.4	331 320	--	--	11 .48 14	--	3.0 .10	167 2.74	--	17 .48	--	.00	-- --		149	0A 0.4
40 3460.00 RED BANK CREEK NEAR RED BLUFF																				
01/16/75 1515	SJSU	4.00 2.8	13.0 119	51.8F 11.0C	8.4	541	--	--	--	--	--	--	--	--	--	--	-- --			1AF
05/20/75 0820	SJSU	4.04 4.5	9.7 97	59.0F 15.0C	7.8	510	--	--	--	--	--	--	--	--	--	--	-- --			1AF
40 3520.50 COTTONWOOD CREEK AT COTTONWOOD																				
10/11/74 1115	SJSU SJSU	83	12.8 137	65.3F 18.5C	7.4 7.9	225 225	--	--	7.3 .32 14	--	0 .00	118 1.93	--	4.6 .13	--	.00	-- --		97	1A 0.3
11/14/74 1000	SJSU	99	12.2 116	54.5F 12.5C	7.5	206	--	--	--	--	--	--	--	--	--	--	-- --			1AF
12/05/74 0830	SJSU	575	11.8 101	46.4F 8.0C	7.6	337	--	--	--	--	--	--	--	--	--	--	-- --			19AF
01/15/75 1000	SJSU	372	12.6 100	41.0F 5.0C	7.7	273	--	--	--	--	--	--	--	--	--	--	-- --			2AF
02/06/75 1320	SJSU SJSU	1040	11.9 99	44.6F 7.0C	7.3 7.3	170 174	12 .60 35	6.6 .54 32	9.0 .39 23	6.6 .17 10	0 .00	61 1.00 60	15 .31 19	8.9 .25 15	6.0 .10 6	.20	-- --	124 94	57 7	1A 0.5
03/05/75 0930	SJSU	1570	10.2 89	48.2F 9.0C	7.6	209	--	--	--	--	--	--	--	--	--	--	-- --			20AF

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCM	TURB SAR
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
	A0 3520.50			COTTONWOOD CREEK AT COTTONWOOD																CONTINUED
04/21/75	SUSQ		10.5	55.4F	7.9		--	--	7.6	--	0	116	--	4.2	--	.00	--		100	2A
0915	SUSQ	1200	101	13.0C	8.1	225			.33		.00	1.90		.12			--			0.3
									14											
05/19/75	SUSQ		9.2	62.6F	7.8	171	--	--	--	--	--	--	--	--	--	--	--			17AF
0905		1200	96	17.0C													--			
06/17/75	SUSQ		8.2	69.8F	7.8	196	--	--	--	--	--	--	--	--	--	--	--			2AF
0830		475	92	21.0C													--			
07/22/75	SUSQ		9.2	77.0F	7.5	234	--	--	--	--	--	--	--	--	--	--	--			2AF
0850		183	112	25.0C													--			
08/20/75	SUSQ		7.1	68.9F	7.2	228	--	--	--	--	--	--	--	--	--	--	--			2AF
0830		127	79	20.5C													--			
09/11/75	SUSQ		8.3	69.8F	7.1	215	--	--	--	--	--	--	--	--	--	--	--			1AF
0900		88	94	21.0C													--			
	A0 3545.00			COTTONWOOD CREEK NORTH FORK NEAR IGO																
11/14/74	SUSQ	29.84	12.3	51.8F	7.7	160	--	--	9.8	--	0	87	--	8.9	--	.00	--		63	0A
1310	SUSQ	23	114	11.0C	8.1	164			.43		.00	1.43		.25			--			0.5
									25											
01/15/75	SUSQ	29.14	13.7	39.2F	7.7	143	--	--	7.1	--	0	62	--	4.6	--	.10	--		55	0A
1230	SUSQ	93	106	4.0C	7.9	142			.31		.00	1.02		.13			--			0.4
									22											
03/05/75	SUSQ	30.64	10.7	46.4F	7.6	103	--	--	4.4	--	0	49	--	2.8	--	.00	--		41	5A
1045	SUSQ	312	92	8.0C	7.7	101			.19		.00	.80		.08			--			0.3
									19											
05/19/75	SUSQ	30.58	9.8	60.8F	7.7	99	--	--	3.6	--	0	51	--	.8	--	.00	--		39	1A
1015	SUSQ	248	101	16.0C	8.0	97			.16		.00	.84		.02			--			0.3
									17											
07/22/75	SUSQ	30.07	9.0	76.1F	8.1	142	--	--	6.4	--	0	69	--	7.5	--	.00	--		54	0A
0955	SUSQ	29	109	24.5C	7.9	140			.28		.00	1.13		.21			--			0.4
									21											
09/11/75	SUSQ	29.80	9.6	73.4F	8.1	225	--	--	16	--	0	91	--	20	--	.00	--		78	0A
1010	SUSQ	5.8	113	23.0C	8.0	226			.70		.00	1.49		.56			--			0.8
									31											
	A0 3581.00			COTTONWOOD CREEK MIDDLE FORK NEAR GAS POINT																
11/14/74	SUSQ		12.3	56.3F	8.2	343	--	--	13	--	0	184	--	16	--	.00	--		165	0A
1230	SUSQ	24	120	13.5C	8.3	372			.57		.00	3.02		.45			--			0.4
									15											
01/15/75	SUSQ		13.3	39.2F	8.2	300	--	--	9.2	--	0	159	--	8.0	--	.10	--		143	0A
1135	SUSQ	121	103	4.0C	8.3	298			.40		.00	2.61		.23			--			0.3
									12											
03/05/75	SUSQ		10.6	46.4F	7.8	219	--	--	4.8	--	0	127	--	2.8	--	.00	--		110	15A
1010	SUSQ	449	91	8.0C	7.9	216			.21		.00	2.08		.08			--			0.2
									9											
05/19/75	SUSQ		9.8	60.8F	8.0	186	--	--	3.6	--	0	106	--	1.5	--	.00	--		88	1A
0945	SUSQ	345	101	16.0C	8.3	184			.16		.00	1.74		.04			--			0.2
									8											
07/22/75	SUSQ		8.5	79.7F	8.1	274	--	--	--	--	--	--	--	--	--	--	--			1AF
0925		42	107	26.5C													--			
09/11/75	SUSQ		8.9	72.5F	8.0	323	--	--	12	--	2.0	169	--	14	--	.00	--		150	0A
0940	SUSQ	18	104	22.5C	8.4	318			.52		.07	2.77		.39			--			0.4
									15											
	A0 3595.00			COTTONWOOD CREEK, SOUTH FORK, NEAR COTTONWOOD																
11/14/74	SUSQ	1.50	12.7	51.8F	8.1	433	--	--	--	--	--	--	--	--	--	--	--			1AF
1030		19	117	11.0C													--			
01/15/75	SUSQ	1.94	13.0	41.0F	8.4	294	--	--	--	--	--	--	--	--	--	--	--			3AF
1030		119	103	5.0C													--			
03/05/75	SUSQ	2.45	10.5	46.4F	7.6	195	--	--	7.2	--	0	96	--	6.6	--	.10	--		86	50A
0850	SUSQ	442	90	8.0C	7.8	193			.31		.00	1.57		.19			--			0.3
									15											
05/19/75	SUSQ	3.35	10.0	57.2F	7.8	147	--	--	4.6	--	0	74	--	2.8	--	.10	--		62	32A
0825	SUSQ	582	98	14.0C	8.0	146			.20		.00	1.21		.08			--			0.3
									14											
07/22/75	SUSQ	1.39	8.5	75.2F	7.9	277	--	--	--	--	--	--	--	--	--	--	--			1AF
0820		40	102	24.0C													--			
09/11/75	SUSQ	1.05	8.6	69.8F	7.9	307	--	--	--	--	--	--	--	--	--	--	--			1AF
0825		3.5	97	21.0C													--			

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. O DEPTH	DO SAT	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCM	TURB SAR
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER					MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				
AO 4321.01					DEER CREEK AT HIGHWAY 99E															
10/11/74 1130	5050	131	11.7 12.0	64.4F 18.0C	8.2	157	--	--	--	--	--	--	--	--	--	--	-- --			1AF
11/15/74 1605	5050	135	12.2 11.4	53.6F 12.0C	7.7	154	--	--	--	--	--	--	--	--	--	--	-- --			1AF
12/10/74 1325	5050	140	11.6 9.6	44.6F 7.0C	7.6	153	--	--	--	--	--	--	--	--	-	--	-- --			1AF
01/08/75 1400	5050 5050	472	11.1 9.6	48.2F 9.0C	7.6 7.9	116 114	--	--	7.3 .32 28	--	0 .00	62 1.02	--	3.4 .10	--	.10	-- --		42	1A 0.5
02/11/75 1330	5050 5050	650	11.3 10.0	50.0F 10.0C	7.3 7.6	85 91	--	--	6.0 .26 27	--	0 .00	51 .84	--	.5 .01	--	.20	-- --		35	1A 0.4
03/20/75 1315	5050	1450	10.8 9.6	56.0F 10.0C	7.7	72	--	--	--	--	--	--	--	--	--	--	-- --			3AF
04/22/75 1245	5050 5050	512	10.3 10.0	57.2F 14.0C	7.8 7.7	90	--	--	5.0 .22 24	--	0 .00	52 .85	--	1.9 .05	--	.00	-- --		35	0A 0.4
05/02/75 1200	5050 5050	715	10.3 10.0	57.2F 14.0C	7.7 7.7	76 76	--	--	3.8 .17 21	--	0 .00	43 .70	--	.6 .02	--	.00	-- --		32	0A 0.3
06/16/75 1240	5050	333	9.5 11.5	77.0F 25.0C	8.2	94	--	--	--	--	--	--	--	--	--	--	-- --			1AF
07/02/75 1300	5050 5050	202	9.5 11.4	76.1F 24.5C	8.2 7.8	120 115	--	--	7.7 .33 27	--	0 .00	67 1.10	--	3.8 .11	--	.10	-- --		44	0A 0.5
08/19/75 1300	5050	160	11.3 13.4	75.2F 24.0C	8.2	165	--	--	--	--	--	--	--	--	--	--	-- --			1AF
09/19/75 1320	5050	122	13.5 16.9	80.6F 27.0C	8.1	207	--	--	--	--	--	--	--	--	--	--	-- --			1AF
AO 4420.50					MILL CREEK NEAR MOUTH NEAR LOS MOLINOS															
11/15/74 1625	5050	140	12.2		8.1	201	--	--	--	--	--	--	--	--	--	--	-- --			1AF
01/08/75 1430	5050	449	11.4 9.7	46.4F 8.0C	7.4	138	--	--	--	--	--	--	--	--	--	--	-- --			11AF
03/20/75 1345	5050 5050	950	11.2 9.6	46.4F 8.0C	7.4 7.8	86 87	6.6 .33 39	3.0 .25 29	5.8 .25 29	.7 .02 2	0 .00	38 .62 78	3.6 .07 9	3.4 .10 13	.1 .00	.10	-- --	67 42	29 0	5A 0.5
05/02/75 1210	5050 5050	445	10.2 10.0	57.2F 14.0C	7.6 7.7	112	--	--	7.6 .33 33	--	0 .00	41 .67	--	7.9 .22	--	.20	-- --		33	1A 0.6
07/02/75 1330	5050	313	9.8 10.6	66.2F 19.0C	7.8	119	--	--	--	--	--	--	--	--	--	--	-- --			2AF
09/19/75 1340	5050	127	11.3 13.5	75.2F 24.0C	8.2	192	--	--	--	--	--	--	--	--	--	--	-- --			1AF
AO 5163.00					FEATHER RIVER AT NICOLAUS															
10/16/74 0840	5050 5050	25.74 8410	9.6 9.6	60 F 16 C	7.3	77 80	--	--	--	--	--	--	--	--	--	--	-- --			6A
11/20/74 1015	5050 5050	25.16 9140	10.9 10.0	53 F 12 C	7.2	80 83	--	--	--	--	--	--	--	--	--	--	-- --			6A
12/18/74 1000	5050 5050	23.87 6550	11.5 9.8	47 F 8 C	7.2	76 81	--	--	--	--	--	--	--	--	--	--	-- --			2A
01/15/75 1000	5050 5050	23.20 5400	11.9 10.0	46 F 8 C	7.2	81 87	--	--	--	--	--	--	--	--	--	--	-- --			4A
02/19/75 0950	5050 5050	31.58 5650	10.2 8.8	48 F 9 C	7.1	96 99	--	--	--	--	--	--	--	--	--	--	-- --			11A
03/19/75 0800	5050 5050	28.14 5880	10.7 9.7	52 F 11 C	7.2	93 98	--	--	--	--	--	--	--	--	.5 .01	--	-- --	64		12A
04/16/75 0900	5050 5050	23.83 5930.4	10.9 9.9	52 F 11 C	7.3	85 89	--	--	--	--	--	--	--	--	--	--	-- --			9A
05/21/75 0915	5050 5050	26.33 7550.4	9.4 9.3	59 F 15 C	7.3	80 83	--	--	--	--	--	--	--	--	--	--	-- --			5A

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. Q DEPTH	DO SAT	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
							MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER					PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				
AO 5103.00																				
FEATHER RIVER AT NICOLAUS																				
06/18/75	5050	24.57	9.2	65.0F	7.2	63	--	--	--	--	--	--	--	--	.1	--	--	47		15A
0900	5050	8120	97	18.3C		63									.00		--			
07/16/75	5050	24.09	9.4	68 F	7.3	67	--	--	--	--	--	--	--	--	--	--	--			4A
0900	5050	7310	103	20 C		72											--			
08/20/75	5050	24.04	8.6	69 F	7.4	71	--	--	--	--	--	--	--	--	--	--	--			2A
0815	5050	6890	95	21 C		60											--			
09/17/75	5050	24.17	8.8	66 F	7.3	74	--	--	--	--	--	--	--	--	.0	--	--	58		3A
0900	5050	7130	94	19 C		78									.00		--			
AO 5660.00																				
JACK SLOUGH AT MARYSVILLE																				
09/18/75	5050		7.7	68 F	7.2	108	--	--	--	--	--	--	--	--	--	--	--	68		
1030	5050		84	20 C		117											--			
AO 5910.00																				
SUTTER BP STATE PP NO 1 NR NICOLAUS																				
02/27/75	5050		6.5	58.1F	7.3		70	63	82	1.9	0	390	38	174	8.2	.10	--	434	436	28A
1045	5050		64	14.5C	8.2	1180	3.49	5.18	3.57	.05	.00	6.39	.79	4.91	.13		--	429	114	1.7
							28	42	29			52	6	40	1					
06/25/75	5050		7.0	68.0F	7.4	458	35	18	31	.6	0	186	18	42	2.1	.10	--	258	162	22A
1000	5050		77	20.0C	8.0	453	1.75	1.48	1.35	.02	.00	3.05	.37	1.18	.03		--	238	9	1.1
							38	32	29			66	8	25	1					
07/30/75	5050		6.2	73.4F	7.0	218	--	--	12	--	0	108	--	8.9	--	.00	--		86	9A
0945	5050		72	23.0C	7.6	220			.52		.00	1.77		.25			--			0.6
									23											
08/27/75	5050		6.7	66.2F	7.2	466	--	--	28	--	0	208	--	31	--	.10	--		161	10A
0900	5050		72	19.0C	8.1	427			1.22		.00	3.41		.87			--			1.0
									27											
09/24/75	5050		6.4	73.4F	7.8		--	--	37	--	0	243	--	55	--	.10	--		208	21A
1215	5050		74	23.0C	8.2	574			1.61		.00	3.98		1.55			--			1.1
									28											
AO 5920.00																				
SUTTER BP STATE PP NO 2 NR TISDALE																				
02/27/75	5050		7.0	59.0F	7.8		45	38	33	1.8	0	376	14	9.2	2.4	.00	--	354	268	21A
1110	5050		69	15.0C	8.3	584	2.25	3.13	1.44	.05	.00	6.16	.29	.26	.04		--	328	0	0.9
							33	46	21	1		91	4	4	1					
06/25/75	5050		5.5	66.0F	7.4	345	28	21	17	.7	0	217	12	2.7	2.2	.10	--	218	156	13A
1030	5050		61	20.0C	8.0	364	1.40	1.73	.74	.02	.00	3.56	.25	.08	.04		--	190	0	0.6
							36	44	19	1		91	6	2	1					
07/30/75	5050		5.6	71.6F	7.3	389	--	--	18	--	0	243	--	3.5	--	.00	--		174	6A
1010	5050		64	22.0C	8.1	390			.78		.00	3.98		.10			--			0.6
									18											
08/27/75	5050		6.0	66.2F	7.2	397	--	--	19	--	0	228	--	3.0	--	.00	--		161	9A
1040	5050		64	19.0C	8.2	363			.83		.00	3.74		.08			--			0.7
									20											
09/24/75	5050		7.1	71.6F	7.8		--	--	27	--	0	318	--	6.4	--	.00	--		224	11A
1145	5050		81	22.0C	8.3	499			1.17		.00	5.21		.18			--			0.8
									21											
AO 5925.00																				
SUTTER BP STATE PP NO 3 NR YUBA CITY																				
02/27/75	5050		5.7	62.6F	7.6		43	43	53	1.9	0	387	36	32	2.0	.10	--	436	283	10A
1245	5050		59	17.0C	8.3	707	2.15	3.54	2.31	.05	.00	6.24	.75	.90	.03		--	401	0	1.4
							27	44	29	1		79	9	11						
06/25/75	5050		6.6	72.5F	7.4	548	37	31	41	.7	0	319	27	11	2.6	.10	--	343	223	19A
1120	5050		76	22.5C	8.2	554	1.85	2.55	1.78	.02	.00	5.23	.56	.31	.04		--	307	0	1.2
							30	41	29			85	9	5	1					
07/30/75	5050		5.1	75.2F	7.5	481	--	--	30	--	0	283	--	1.0	--	.10	--		197	9A
1110	5050		60	24.0C	8.2	481			1.31		.00	4.64		.03			--			0.9
									25											
08/27/75	5050		6.0	69.8F	7.6	742	--	--	52	--	8.0	405	--	17	--	.10	--		280	10A
1110	5050		67	21.0C	8.4	674			2.26		.27	6.64		.48			--			1.4
									29											
09/24/75	5050		5.5	71.6F	7.6		--	--	59	--	9.0	381	--	59	--	.10	--		314	13A
1020	5050		62	22.0C	8.5	800			2.57		.30	6.24		1.66			--			1.4
									29											
AO 5927.00																				
WADSWORTH CANAL NR SUTTER																				
09/24/75	5050	38.09	6.8	69.8F	7.4		20	14	12	1.9	0	143	6.4	9.4	1.5	.00	--	147	109	7A
0955	5050		76	21.0C	8.0	248	1.00	1.15	.52	.05	.00	2.34	.13	.27	.02		--	136	0	0.5
							37	42	19	2		85	5	10	1					
AO 6120.00																				
YUBA RIVER AT MARYSVILLE																				
10/08/74	5050		8.1	66 F	7.2	99	10	4.6	3.0	--	0	50	--	.1	--	--	--	52	44	1A
0930	5050		87	19 C	7.6	100	.50	.38	.13		.00	.82		.00			--		3	0.2
							50	38	13											
12/05/74	5050		12.7	46.5F	7.2	64	7.4	3.5	2.6	--	0	36	--	.0	--	--	--	55	33	0A
1400	5050		107	8.0C	7.5	68	.37	.29	.11		.00	.59		.00			--		4	0.2
							48	38	14											
03/06/75	5050		11.4	48 F	7.2	78	8.8	3.2	2.6	--	0	42	--	.8	--	--	--	70	35	6A
0850	5050		98	9 C	7.4	74	.44	.26	.11		.00	.69		.02			--		1	0.2
							54	32	14											

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER L48	G.H. O DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
							MINERAL CONSTITUENTS IN							MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER		
	A0	6120.00			YUBA RIVER AT MARYSVILLE										CONTINUED					
06/02/75	5050		9.7	61 F	7.2	60	--	--	2.2	--	--	--	--	--	--	--	--	56		
1045	5050		98	16 C	7.4	64			.10								--			
09/18/75	5050		9.3	62 F	7.2	67	8.2	2.1	1.9	--	0	38	--	1.0	--	--	--	45	29	0A
1045	5050		95	17 C	7.4	69	.41	.17	.08		.00	.62		.03			--		0	0.2
							62	26	12											
	A0	6550.00			BEAR RIVER NEAR WHEATLAND															
10/08/74	5050	4.18	8.0	67 F	7.3	120	10	6.8	4.4	--	0	54	--	3.8	--	--	--	65	53	0A
0845	5050	12	87	19 C	7.7	126	.50	.56	.19		.00	.89		.11			--		9	0.3
							40	45	15											
12/05/74	5050	4.29	12.1	56 F	7.8	96	8.4	4.9	4.3	--	0	43	--	3.1	--	--	--	67	41	0A
1330	5050	18	116	13 C	7.9	100	.42	.40	.19		.00	.70		.09			--		6	0.3
							42	40	19											
01/08/75	5050	6.65	11.0	51 F	7.2	71	6.9	4.6	3.4	--	0	30	--	3.2	--	--	--	54	36	50A
1430	5050		99	11 C	7.6	73	.34	.38	.15		.00	.49		.09			--		12	0.2
							39	44	17											
02/06/75	5050	6.83	11.5	46 F	7.2	72	7.0	3.0	3.2	--	0	33	--	3.2	--	--	--	66	30	4A
0945	5050	946	99	9 C	7.4	75	.35	.25	.14		.00	.54		.09			--		3	0.3
							47	34	19											
03/06/75	5050	5.42	10.3	53 F	7.3	90	--	--	--	--	--	--	--	--	--	--	--			
0800		168	95	12 C													--			
04/02/75	5050	6.96	11.2	51.5F	7.3	82	7.5	3.7	3.5	--	0	37	--	2.7	--	--	--	38	34	11A
1030	5050	942	101	10.8C	7.4	84	.37	.30	.15		.00	.61		.08			--		3	0.3
							45	37	18											
05/05/75	5050	6.22	10.3	63 F	7.4	84	5.6	5.6	3.5	--	0	38	--	3.4	--	--	--	59	37	1A
1200	5050	510	107	17 C	7.5	85	.28	.46	.15		.00	.62		.10			--		6	0.3
							31	52	17											
06/02/75	5050	5.01	8.6	74 F	7.4	85	--	--	3.8	--	0	37	--	--	--	--	--	64	36	
1200	5050	84	100	23 C	7.5	89			.17		.00	.61					--			0.3
									19											
08/01/75	5050	4.48	9.9	82.0F	7.6	127	--	--	5.0	--	0	64	--	--	--	--	--	88	69	
1130	5050	21	125	27.8C	7.7	143			.22		.00	1.05					--			0.3
									14											
09/18/75	5050	4.49	7.7	72 F	7.3	103	9.9	5.2	4.2	--	0	45	--	4.2	--	--	--	62	46	0A
0845	5050	17	88	22 C	7.4	112	.49	.43	.18		.00	.74		.12			--		9	0.3
							45	39	16											
	A0	7140.10			AMERICAN RIVER AT SACRAMENTO WATER PLANT															
10/09/74	5.50		9.2	63 F	7.0	46	--	--	--	--	--	--	--	--	--	--	--			
1340		3548	95	17 C													--			
11/14/74	5050		9.6	61 F	7.1	51	--	--	--	--	--	--	--	--	--	--	--			
1420		1923	97	16 C													--			
12/05/74	5050		9.7	54.5F	7.0	50	--	--	--	--	--	--	--	--	--	--	--			
0950		2480	91	12.5C													--			
01/21/75	5050		11.6	49 F	7.1	56	--	--	--	--	--	--	--	--	--	--	--			
1430		1614	101	9 C													--			
02/04/75	2163		10.7	48 F	7.0	57	--	--	--	--	--	--	--	--	--	--	--			14A
1020	5050	1836	92	9 C	7.4	61											--			
02/18/75	2163		11.3	47 F	7.1	51	--	--	--	--	--	--	--	--	--	--	--			3A
1030	5050		96	8 C	7.5	53											--			
03/04/75	2163		11.0	49 F	7.1	60	--	--	--	--	--	--	--	--	--	--	--			5A
0900	5050	4306	96	9 C	7.5	61											--			
03/18/75	5050		10.9	49 F	7.1	62	--	--	--	--	--	--	--	--	.3	--	--			4A
0830	5050	6028	95	9 C	7.7	66									.00		--			
04/08/75	2163		10.9	48.5F	7.2	62	--	--	--	--	--	--	--	--	.7	--	--			8A
0845	5050	8403	94	9.2C	7.6	66									.01		--			
04/22/75	2163		10.8	51.5F	7.1	66	6.8	2.2	2.6	.6	0	29	3.4	1.4	.4	--	--	45	26	4A
0815	5050	4594	97	10.8C	7.4	68	.34	.18	.11	.02	.00	.48	.07	.04	.01		11.0	43	2	0.2
							52	28	17	3		80	12	7	2					
05/06/75	2163		10.3	54.0F	7.2	69	--	--	--	--	--	--	--	--	--	--	--			3A
0910	5050	4718	96	12.2C	7.5	68											--			
05/20/75	2163		10.4	54.0F	7.2	59	--	--	--	--	--	--	--	--	--	--	--			3A
0850	5050	4590	97	12.2C	7.5	62											--			
06/10/75	2163		10.1	61.0F	7.1	52	--	--	--	--	--	--	--	--	--	--	--			2A
0915	5050	4619	102	16.1C	7.3	50											--			

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
	40	7140.10			AMERICAN RIVER AT SACRAMENTO WATER PLANT									CONTINUED						
06/24/75	2163		9.7	58 F	7.1	48	--	--	--	--	--	--	--	--	--	--	--			1A
0900	5050	2892	95	14 C	7.4	49											--			
07/08/75	2163		9.8	61.0F	7.0	48	--	--	--	--	--	--	--	--	--	--	--			1A
0845	5050	2892	99	16.1C	7.4	48											--			
07/22/75	2163		10.2	63.0F	7.0	48	4.7	1.6	2.5	.7	0	22	2.3	1.0	.3	--	--	30	18	1A
0930	5050	2892	106	17.2C	7.3	48	.23	.13	.11	.02	.00	.36	.05	.03	.00		8.2	32	0	0.3
							47	27	22	4		82	11	7						
08/05/75	2163		10.4	62.0F	7.0	45	--	--	--	--	--	--	--	--	.1	--	--			1A
0900	5050	2412	106	16.7C	7.5	47									.00		--			
08/19/75	2163		9.0	63 F	7.0	45	--	--	--	--	--	--	--	--	.2	--	--			2A
0915	5050	1998	93	17 C	7.2	50									.00		--			
09/02/75	2163		8.6	65 F	7.0	48	--	--	--	--	--	--	--	--	.1	--	--			2A
0845	5050	1865	91	18 C	7.5	48									.00		--			
09/16/75	2163		9.0	63 F	7.0	45	--	--	--	--	--	--	--	--	.1	--	--			1A
0900	5050	1908	93	17 C	7.0	47									.00		--			
	40	7180.00			AMERICAN RIVER BELOW NIMBUS DAM															
02/04/75	2163		11.2	48 F	7.0	65	--	--	--	--	--	--	--	--	--	--	--			7A
0930	5050	2010	97	9 C	7.2	69											--			
02/18/75	2163		12.2	47.5F	7.1	50	--	--	--	--	--	--	--	--	--	--	--			3A
0930	5050	7510	105	8.6C	7.5	54											--			
03/04/75	2163	7.94	11.4	49 F	7.2	57	--	--	--	--	--	--	--	--	--	--	--			4A
0830	5050	4630	100	9 C	7.5	59											--			
03/18/75	2163	8.46	10.9	48.5F	7.2	60	--	--	--	--	--	--	--	--	.2	--	--			3A
0730	5050	5110	95	9.2C	7.6	62									.00		--			
04/08/75	2163	9.49	11.9	48 F	7.2	62	--	--	--	--	--	--	--	--	.4	--	--			8A
0800	5050	7480	103	9 C	7.7	66									.01		--			
04/22/75	2163	8.45	11.1	51.5F	7.2	64	6.3	2.6	2.6	.6	0	30	3.3	1.0	.2	--	--	45	26	3A
0945	5050	5690	100	10.8C	7.4	66	.31	.21	.11	.02	.00	.49	.07	.03	.00		11.0	42	2	0.2
							48	32	17	3		83	12	5						
05/06/75	2163	8.56	11.3	53.0F	7.2	62	--	--	--	--	--	--	--	--	--	--	--			3A
0820	5050	5330	104	11.7C	7.5	66											--			
05/20/75	2163	8.48	10.0	54.0F	7.2	57	--	--	--	--	--	--	--	--	--	--	--			2A
0800	5050	5160	93	12.2C	7.5	60											--			
06/10/75	2163	8.50	10.2	56.0F	7.1	48	--	--	--	--	--	--	--	--	--	--	--			1A
0815	5050	5200	97	13.3C	7.3	48											--			
06/24/75	2163	7.67	10.1	57 F	7.1	44	--	--	--	--	--	--	--	--	--	--	--			1A
0800	5050	3520	98	14 C	7.4	45											--			
07/08/75	2163	7.67	10.0	59.0F	7.2	44	--	--	--	--	--	--	--	--	--	--	--			1A
0800	5050	3520	99	15.0C	7.4	44											--			
07/22/75	2163	7.66	9.8	61.0F	7.0	43	4.7	1.3	2.3	.6	0	20	1.8	.5	.0	--	--	29	17	0A
0800	5050	3500	99	16.1C	7.3	45	.23	.11	.10	.02	.00	.33	.04	.01	.00		8.1	29	1	0.2
							50	24	22	4		87	11	3						
08/05/75	2163	7.37	10.2	61.0F	7.0	44	--	--	--	--	--	--	--	--	.0	--	--			0A
0745	5050	3010	103	16.1C	7.5	44									.00		--			
08/19/75	2163	6.99	8.9	62 F	6.8	40	--	--	--	--	--	--	--	--	.0	--	--			1A
0815	5050	2450	91	17 C	7.2	43									.00		--			
09/02/75	2163	6.92	8.7	63 F	7.0	42	--	--	--	--	--	--	--	--	.1	--	--			1A
0800	5050	2350	90	17 C	7.5	42									.00		--			
09/16/75	2163	6.95	8.3	62 F	6.9	40	--	--	--	--	--	--	--	--	.0	--	--			1A
0745	5050	2390	85	17 C	6.9	41									.00		--			
	41	1620.00			PIT RIVER NEAR MONTGOMERY CREEK															
11/07/74	5050		12.3	49.1F	7.3	132	--	--	--	--	--	--	--	--	--	--	--			132AF
1100		6910	111	9.5C													--			
01/14/75	5050		12.3	41.9F	7.2	138	--	--	--	--	--	--	--	--	--	--	--			138AF
1115		4830	101	5.5C													--			
03/19/75	5050		11.2	45.5F	7.3	105	--	--	6.4	--	0	61	--	2.6	--	.00	--		43	17A
1000	5050	18700	96	7.5C	7.4	109			.28		.00	1.00		.07			--			0.4
									25											

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. O DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	MCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
	A1	1020.00			PIT RIVER NEAR MONTGOMERY CREEK									CONTINUED						
07/16/75 1630	SJSA	4230	7.9 8A	66.2F 19.0C	8.0	135	--	--	--	--	--	--	--	--	--	--	-- --			135AF
09/17/75 1015	SJSA	7750	9.3 97	60.8F 16.0C	7.8	139	--	--	--	--	--	--	--	--	--	--	-- --			139AF
	A1	1680.00			PIT RIVER NEAR CANBY															
10/08/74 1530	SJSA	2.53 53	10.0 115	59.0F 15.0C	8.2	293	--	--	--	--	--	--	--	--	--	--	-- --			32AF
11/07/74 0810	SJSA	2.72 103	11.1 100	41.0F 5.0C	7.9	303	--	--	--	--	--	--	--	--	--	--	-- --			114AF
12/10/74 0745	SJSA	2.69 95	11.4 95	35.6F 2.0C	8.1	236	--	--	--	--	--	--	--	--	--	--	-- --			11AF
01/14/75 0830	SJSA	2.74 108	11.0 87	32.0F 0.0C	7.4	308	--	--	--	--	--	--	--	--	--	--	-- --			10AF
02/18/75 1630	SJSA	279	11.0 90	34.7F 1.5C	7.6	268	--	--	--	--	--	--	--	--	--	--	-- --			35AF
03/19/75 1320	SJSA SJSA	3.52 405	10.1 96	44.6F 7.0C	7.7 7.8	182 192	--	--	15 .65 33	--	0 .00	97 1.59	--	5.7 .16	--	.00	-- --		67	50A 0.8
04/15/75 1700	SJSA	3.69 1190	9.8 96	46.4F 8.0C	7.6	148	--	--	--	--	--	--	--	--	--	--	-- --			70AF
05/06/75 1400	SJSA SJSA	4.31 836	10.3 103	48.2F 9.0C	7.6 7.6	145	--	--	9.5 .41 28	--	0 .00	77 1.26	--	2.4 .07	--	.10	-- --		53	26A 0.6
06/03/75 1630	SJSA	4.20 770	7.0 92	70.7F 21.5C	7.6	141	--	--	--	--	--	--	--	--	--	--	-- --			22AF
07/16/75 0825	SJSA	2.61 75	7.2 91	68.0F 20.0C	8.2	215	--	--	--	--	--	--	--	--	--	--	-- --			3AF
08/07/75 0650	SJSA	2.55 62	6.3 74	60.8F 16.0C	7.9	252	--	--	--	--	--	--	--	--	--	--	-- --			15AF
09/17/75 0710	SJSA	2.77 117	7.3 84	59.0F 15.0C	8.0	243	--	--	--	--	--	--	--	--	--	--	-- --			19AF
	A1	4400.00			PIT RIVER, SOUTH FORK, NEAR LIKELY															
10/09/74 0730	SJSA	1.98 25	9.8 97	46.4F 8.0C	7.9	104	--	--	--	--	--	--	--	--	--	--	-- --			3AF
06/04/75 0800		4.54 634	8.9 99	55.4F 13.0C	7.6	77	--	--	--	--	--	--	--	--	--	--	-- --			
	A2	1010.00			SACRAMENTO RIVER AT KESWICK															
10/11/74 1010	SJSA		10.7 98	51.8F 11.0C	7.3	96	--	--	--	--	--	--	--	--	--	--	-- --			6AF
11/14/74 1450	SJSA		9.9 93	53.6F 12.0C	7.0	115	--	--	--	--	--	--	--	--	--	--	-- --			4AF
12/05/74 0920	SJSA		10.1 93	51.8F 11.0C	7.0	120	--	--	--	--	--	--	--	--	--	--	-- --			6AF
01/15/75 1330	SJSA	6000	11.3 99	48.2F 9.0C	7.2	124	--	--	--	--	--	--	--	--	--	--	-- --			5AF
02/06/75 1145	SJSA		12.2 104	46.4F 8.0C	7.2	114	--	--	--	--	--	--	--	--	--	--	-- --			3AF
03/05/75 1130	SJSA		10.7 93	47.3F 8.5C	7.2	113	--	--	--	--	--	--	--	--	--	--	-- --			4AF
04/21/75 1100	SJSA SJSA	10000	11.0 100	50.9F 10.5C	7.1 7.6	100	--	--	5.0 .22 22	--	0 .00	50 .82	--	1.4 .04	--	.00	-- --		30	4A 0.4
05/19/75 1200	SJSA	15000	10.3 95	51.8F 11.0C	7.4	108	--	--	--	--	--	--	--	--	--	--	-- --			5AF
06/17/75 0925	SJSA	14000	10.2 94	51.8F 11.0C	7.4	102	--	--	--	--	--	--	--	--	--	--	-- --			3AF
07/22/75 1045	SJSA	12000	10.2 96	53.6F 12.0C	7.2	108	--	--	--	--	--	--	--	--	--	--	-- --			3AF

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	R	F SIO2	TDS SUM	TH NCH	TURB SAR
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER			
A2	1610.00			SACRAMENTO RIVER AT KESWICK													CONTINUED			
08/20/75	5050		9.7	53.6F	7.1	102	--	--	--	--	--	--	--	--	--	--	--			3AF
1045		12000	91	12.0C													--			
09/11/75	5050		9.4	56.3F	7.1	96	--	--	3.8	--	0	52	--	.5	--	.00	--		40	1A
1125	5050	8600	91	13.5C	8.2	96			.17		.00	.85		.01			--			0.3
									18											
A2	1300.00			SACRAMENTO RIVER AT DELTA																
11/08/74	5050	4.99	12.5	48.2F	7.5	120	--	--	--	--	--	--	--	--	--	--	--			8AF
1350		402	112	9.0C													--			
01/14/75	5050	5.20	12.2	41.0F	7.6	130	--	--	--	--	--	--	--	--	--	--	--			1AF
1430		480	99	5.0C													--			
03/19/75	5050	10.13	11.9	44.6F	7.2	64	--	--	2.5	--	0	33	--	3.8	--	.00	--		29	30A
0800	5050	7050	101	7.0C	7.1	64			.11		.00	.54		.11			--			0.2
									16											
05/05/75	5050	7.37	11.4	44.6F	7.4	83	--	--	--	--	--	--	--	--	--	--	--			2AF
0845		2280	97	7.0C													--			
07/17/75	5050	5.02	8.8	70.7F	8.0	115	--	--	--	--	--	--	--	--	--	--	--			1AF
1215		488	103	21.5C													--			
09/17/75	5050	4.37	9.8	68.0F	8.2	141	--	--	--	--	--	--	--	--	--	--	--			1AF
1320		252	111	20.0C													--			
A2	2150.00			MCCLOUD RIVER ABOVE SHASTA LAKE																
11/07/74	5050		12.4	48.2F	7.3	102	--	--	--	--	--	--	--	--	--	--	--			1AF
1350		381	111	9.0C													--			
01/14/75	5050		12.1	41.0F	8.2	112	--	--	--	--	--	--	--	--	--	--	--			1AF
1330		336	98	5.0C													--			
05/05/75	5050		11.1	46.4F	7.4	92	--	--	--	--	--	--	--	--	--	--	--			2AF
0730		1190	97	8.0C													--			
07/22/75	5050		9.0	68.0F	7.9	111	--	--	--	--	--	--	--	--	--	--	--			1AF
1230		327	102	20.0C													--			
09/17/75	5050		10.6	61.7F	8.2	111	--	--	--	--	--	--	--	--	--	--	--			1AF
1215		281	106	16.5C													--			
A3	1110.00			STONY CREEK BELOW BLACK BUTTE DAM																
11/15/74	5050	2.33	13.6	58.1F	8.3	398	--	--	--	--	--	--	--	--	--	--	--			113AF
1245		29	134	14.5C													--			
01/16/75	5050	2.42	14.5	46.4F	8.4	347	--	--	16	--	2.0	176	--	20	--	.20	--		171	18A
1355	5050	35	124	8.0C	8.4	386			.70		.07	2.88		.56			--			0.5
									17											
03/06/75	5050	5.35	11.3	48.2F	7.9	279	--	--	--	--	--	--	--	--	--	--	--			62AF
1230		1030	99	9.0C													--			
05/20/75	5050	4.94	10.8	60.8F	8.0		--	--	9.0	--	0	118	--	8.0	--	.10	--		107	6A
1120	5050	670	110	16.0C	8.3	250			.39		.00	1.93		.23			--			0.4
									15											
07/23/75	5050	4.64	9.0	77.0F	7.6	269	--	--	--	--	--	--	--	--	--	--	--			33AF
1130		526	109	25.0C													--			
09/19/75	5050	3.26	8.7	77.0F	8.0	320	--	--	--	--	--	--	--	--	--	--	--			56AF
1205		138	106	25.0C													--			
A3	1250.00			STONY CREEK NEAR FRUTO																
10/11/74	5050		9.8	61.7F	8.2	395	--	--	--	--	--	--	--	--	--	--	--			54AF
0945		72	102	16.5C													--			
11/15/74	5050		11.9	57.2F	8.1	662	75	22	30	1.7	0	172	102	65	.3	.10	--	436	280	4A
1110	5050	10	117	14.0C	8.2	700	3.74	1.81	1.31	.04	.00	2.82	2.12	1.83	.00		--	381	137	0.8
							54	26	19	1		42	31	27						
12/10/74	5050		11.0	44.6F	8.0	679	--	--	34	--	0	176	--	58	--	.10	--		275	1A
1125	5050	36	92	7.0C	8.2	883			1.48		.00	2.88		1.64			--			0.9
									21											
01/16/75	5050		12.6	44.6F	7.9	307	--	--	--	--	--	--	--	--	--	--	--			7AF
1120		103	106	7.0C													--			
02/11/75	5050		12.4	44.6F	8.1	296	--	--	--	--	--	--	--	--	--	--	--			53AF
1050		883	104	7.0C													--			
03/06/75	5050		10.9	48.2F	7.9	214	--	--	9.8	--	0	92	--	12	--	.10	--		88	80A
1020	5050	1680	96	9.0C	7.9	212			.43		.00	1.51		.34			--			0.5
									20											

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. Q DEPTH	OD SAT	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TM NCM	TURB SAR
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER				MILLIEQUIVALENTS PER LITER					MILLIGRAMS PER LITER				
											PERCENT REACTANCE VALUE									
A3 1250.00 STONY CREEK NEAR FRUTO																				CONTINUED
04/22/75	5050		10.2	55.4F	8.3		--	--	10	--	2.0	109	--	8.1	--	.10	--		101	5A
1100	5050	788	98	13.0C	8.4	238			.44		.07	1.79		.23			--			0.4
									18											
05/20/75	5050		10.0	53.6F	7.9	198	--	--	--	--	--	--	--	--	--	--	--			17AF
1035		905	94	12.0C													--			
06/16/75	5050		8.0	73.4F	8.2	231	--	--	--	--	--	--	--	--	--	--	--			11AF
1035		406	94	23.0C													--			
07/23/75	5050		8.1	78.8F	8.1	272	--	--	--	--	--	--	--	--	--	--	--			35AF
1045		365	101	26.0C													--			
08/19/75	5050		8.3	72.5F	8.2	302	--	--	--	--	--	--	--	--	--	--	--			52AF
1100		434	97	22.5C													--			
09/19/75	5050		9.1	73.4F	8.2	333	--	--	--	--	--	--	--	--	--	--	--			48AF
1125		288	107	23.0C													--			
A3 1302.00 GRINDSTONE CREEK NEAR ELK CREEK																				
11/15/74	5050		11.3	59.9F	8.1	562	--	--	--	--	--	--	--	--	--	--	--			1AF
1135		30E	115	15.5C													--			
01/16/75	5050		12.5	45.5F	7.7	230	--	--	--	--	--	--	--	--	--	--	--			8AF
1215		30E	106	7.5C													--			
03/06/75	5050		10.8	46.4F	7.8	156	--	--	5.0	--	0	69	--	4.7	--	.10	--		71	120A
1000	5050		93	8.0C	8.0	155			.22		.00	1.13		.13			--			0.3
									13											
05/20/75	5050		10.4	51.8F	7.6	132	--	--	3.6	--	0	58	--	1.5	--	.00	--		56	18A
1025	5050	300E	96	11.0C	7.9	131			.16		.00	.95		.04			--			0.2
									13											
07/23/75	5050		8.8	81.5F	8.2	305	--	--	--	--	--	--	--	--	--	--	--			1AF
1025		15E	113	27.5C													--			
09/19/75	5050		9.0	75.2F	8.1	414	--	--	--	--	--	--	--	--	--	--	--			1AF
1105		1E	108	24.0C													--			
A3 2120.00 THOMES CREEK AT PASKENTA																				
10/11/74	5050	1.94	9.9	59.0F	8.0	447	--	--	--	--	--	--	--	--	--	--	--			1AF
0830		6.9	100	15.0C													--			
11/15/74	5050	2.75	12.5	51.8F	8.3	408	--	--	16	--	0	170	--	23	--	.10	--		203	0A
1000	5050	14	116	11.0C	8.3	463			.70		.00	2.79		.65			--			0.5
									15											
12/10/74	5050	2.53	11.6	41.9F	8.2	338	--	--	--	--	--	--	--	--	--	--	--			1AF
1000		56	94	5.5C													--			
01/16/75	5050	3.01	12.1	41.0F	7.9	190	--	--	--	--	--	--	--	--	--	--	--			8AF
1010		137	97	5.0C													--			
02/11/75	5050	3.96	12.4	43.7F	7.7	194	--	--	--	--	--	--	--	--	--	--	--			64AF
0940		520	103	6.5C													--			
03/06/75	5050	4.47	11.[illegible]	46.4F	7.6	141	--	--	3.5	--	0	72	--	2.4	--	.10	--		65	90A
0900	5050	963	95	8.0C	7.9	140			.15		.00	1.18		.07			--			0.2
									10											
04/22/75	5050	4.20	10.9	48.2F	7.8	156	--	--	--	--	--	--	--	--	--	--	--			27AF
1010		527	98	9.0C													--			
05/20/75	5050	4.58	11.1	48.2F	7.7	96	--	--	2.1	--	0	49	--	.0	--	.00	--		46	32A
0920	5050	876	98	9.0C	7.8	96			.09		.00	.80		.00			--			0.1
									9											
06/16/75	5050	3.33	8.4	69.8F	8.4	131	--	--	--	--	--	--	--	--	--	--	--			6AF
0925		204	96	21.0C													--			
07/23/75	5050	2.32	9.2	80.6F	8.4	267	--	--	--	--	--	--	--	--	--	--	--			0AF
0935		31	117	27.0C													--			
08/19/75	5050	2.15	9.2	72.5F	8.3	308	--	--	--	--	--	--	--	--	--	--	--			1AF
1010		15	108	22.5C													--			
09/19/75	5050	2.00	9.9	75.2F	8.1	342	--	--	--	--	--	--	--	--	--	--	--			0AF
1020		8.8	119	24.0C													--			

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TM NCM	TURB SAR
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER				MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
A3	3110.00				ELDER CREEK NEAR PASKENTA															
03/06/75	5050		10.9	48.2F	7.9	214	--	--	9.8	--	0	92	--	12	--	.10	--		88	80A
1020	5050	1760	96	9.0C	7.9	212			.43		.00	1.51		.34			--			0.5
									20											
04/22/75	5050	2.28	10.6	50.9F	8.0	238	--	--	7.2	--	0	134	--	6.2	--	.00	--		113	0A
0925	5050	160	97	10.5C	8.2	239			.31		.00	2.20		.17			--			0.3
									12											
09/19/75	5050	1.14	8.9	69.8F	8.1	707	--	--	--	--	--	--	--	--	--	--	--			1AF
0950		3.8	102	21.0C													--			
A3	6130.00				CLEAR CREEK NEAR IGO															
04/21/75	5050	2.67	10.5	51.8F	7.6	72	--	--	--	--	--	--	--	--	--	--	--			3AF
1010		98	97	11.0C													--			
09/11/75	5050	2.35	9.9	62.6F	7.5	82	--	--	--	--	--	--	--	--	--	--	--			1AF
1025		45	104	17.0C													--			
A4	1110.00				BUTTE CREEK NEAR CHICO															
11/15/74	5050	1.11	13.2	49.1F	7.3	114	--	--	--	--	--	--	--	--	--	--	--			1AF
1425		142	116	9.5C													--			
01/08/75	5050	2.47	11.4	44.6F	7.3	87	--	--	--	--	--	--	--	--	--	--	--			16AF
1120		709	95	7.0C													--			
03/20/75	5050	3.76	11.2	48.2F	7.4	64	--	--	--	--	--	--	--	--	--	--	--			5AF
1205		1900	98	9.0C													--			
05/02/75	5050	2.47	10.9	51.8F	7.8		--	--	2.5	--	0	37	--	.3	--	.00	--		28	0A
1030	5050	752	103	11.0C	7.5	65			.11		.00	.61		.01			--			0.2
									16											
07/02/75	5050	1.57	10.3	57.2F	7.6	81	--	--	--	--	--	--	--	--	--	--	--			1AF
0930		290	101	14.0C													--			
09/22/75	5050	1.42	10.0	64.4F	8.0	108	--	--	--	--	--	--	--	--	--	--	--			1AF
1130		145	106	18.0C													--			
A4	2110.00				BIG CHICO CREEK NEAR CHICO															
11/15/74	5050	1.65	9.4	51.8F	6.4	218	--	--	--	--	--	--	--	--	--	--	--			0AF
1300		32	86	11.0C													--			
01/13/75	5050	2.02	12.2	42.8F	7.6	158	--	--	--	--	--	--	--	--	--	--	--			1AF
0830		66	99	6.0C													--			
03/20/75	5050	5.56	11.2	49.1F	7.4	64	--	--	2.2	--	0	35	--	1.4	--	.00	--		29	14A
1115	5050	1450	99	9.5C	7.5	63			.10		.00	.57		.04			--			0.2
									15											
05/02/75	5050	2.77	10.7	54.5F	7.8		--	--	4.2	--	0	52	--	2.6	--	.00	--		37	0A
0945	5050	205	101	12.5C	7.8	95			.18		.00	.85		.07			--			0.3
									20											
07/02/75	5050		9.3	66.2F	8.2	178	--	--	--	--	--	--	--	--	--	--	--			1AF
1030		37	101	19.0C													--			
09/22/75	5050	1.45	9.5	70.7F	8.2	208	--	--	--	--	--	--	--	--	--	--	--			0AF
1045		24	108	21.5C													--			
A4	5110.50				ANTELOPE CREEK NEAR RED BLUFF															
10/11/74	5050		10.4	64.4F	8.1	146	--	--	--	--	--	--	--	--	--	--	--			1AF
1215		54	111	18.0C													--			
02/11/75	5050		12.1	48.2F	7.3	80	6.0	4.4	5.4	.8	0	46	2.0	1.5	.1	.20	--	77	33	4A
1400	5050	336	106	9.0C	7.6	79	.30	.36	.23	.02	.00	.75	.04	.04	.00		--	43	0	0.4
							33	40	25	2		90	5	5						
A4	6050.01				PAYNES CREEK NEAR RED BLUFF															
10/09/74	5050		9.8	64.4F	7.6	192	--	--	12	--	0	95	--	9.2	--	.20	--		68	1A
1400	5050	30E	105	18.0C	8.0	202			.52		.00	1.56		.26			--			0.6
									28											
03/20/75	5050		10.2	50.9F	7.4	84	--	--	--	--	--	--	--	--	--	--	--			9AF
1415		400E	93	10.5C													--			
07/02/75	5050		9.5	68.0F	7.4	171	--	--	11	--	0	87	--	8.0	--	.20	--		63	7A
1400	5050	50E	106	20.0C	7.8	165			.48		.00	1.43		.23			--			0.6
									28											
A4	7110.00				BATTLE CREEK NEAR COTTONWOOD															
10/11/74	5050	1.78	12.2	54.5F	7.8	143	--	--	--	--	--	--	--	--	--	--	--			1AF
1140		390	116	12.5C													--			
02/06/75	5050	2.31	12.2	45.5F	7.3	101	--	--	7.0	--	0	62	--	1.1	--	.20	--		42	4A
1245	5050	676	103	7.5C	7.6	106			.30		.00	1.02		.03			--			0.5
									26											

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
							MILLIGRAMS PER LITER										MILLIGRAMS PER LITER			
	44	8110.00			COW CREEK NEAR MILLVILLE															
05/19/75 1300	5050 5050	854	9.4 98	62.6F 17.0C	7.4 7.5	71 70	--	--	3.2 .14 20	--	0 .00	38 .62	--	.6 .02	--	.00	-- --		28	44 0.3
09/18/75 1430	5050	53	10.7 132	78.8F 26.0C	8.4	165	--	--	--	--	--	--	--	--	--	--	-- --			2AF
	A6	1265.00			SQUIRREL CREEK NEAR PENN VALLEY															
10/08/74 1040	5050	12	5.99 9.9 102	59 F 15 C	7.3	99	--	--	--	--	--	--	--	--	--	--	-- --			
11/04/74 1215	5050	5.6	5.86 10.6 97	49 F 9 C	7.3	140	--	--	--	--	--	--	--	--	--	--	-- --			
12/05/74 1515	5050 5050	12	5.99 10.8 97	48 F 9 C	7.2 7.7	138 155	13 .65 40	8.4 .69 43	6.4 .28 17	--	0 .00	78 1.28	--	3.9 .11	--	--	-- --	108	67 3	2A 0.3
01/08/75 1315	5050	1.40	7.52 10.6 94	47 F 8 C	7.1	70	--	--	--	--	--	--	--	--	--	--	-- --			
02/06/75 1100	5050	44	6.66 11.0 95	45 F 7 C	7.1	103	--	--	--	--	--	--	--	--	--	--	-- --			
03/06/75 0945	5050 5050	22	6.23 10.2 94	50 F 10 C	7.2 7.7	137 144	13 .65 40	8.9 .73 45	5.6 .24 15	--	0 .00	78 1.28 90	--	3.9 .11 8	1.6 .03 2	--	-- --	122	69 5	4A 0.3
04/02/75 0830	5050	24	6.27 11.0 96	46 F 8 C	7.3	121	--	--	--	--	--	--	--	--	--	--	-- --			
05/05/75 0910	5050	19	6.17 10.5 96	49 F 9 C	7.4	129	--	--	--	--	--	--	--	--	--	--	-- --			
06/02/75 0915	5050 5050	17	6.13 7.8 86	65 F 18 C	7.2 7.8	108 123	--	--	4.8 .21 17	--	0 .00	64 1.05	--	--	2.3 .04	--	-- --	93	53	0.3
07/07/75 0915	5050	13	6.01 8.4 92	64 F 18 C	7.3	104	--	--	--	--	--	--	--	--	--	--	-- --			
08/01/75 0915	5050	11	5.97 9.1 100	64 F 18 C	7.2	92	--	--	--	--	--	--	--	--	--	--	-- --			
09/18/75 1130	5050 5050	12	6.00 8.5 94	65 F 18 C	7.3 7.7	96 99	9.7 .48 50	3.8 .31 32	4.0 .17 18	--	0 .00	49 .80	--	3.8 .11	--	--	-- --	70	40 0	0A 0.3
	A8	L 902.7 254.7 1			CLEAR LAKE AT LAKEPORT															
10/04/74 0845	5050	91	8.0 68.0F 20.0C		8.2	206	--	--	--	--	--	--	--	--	--	--	-- --			1AF
11/15/74 1240	5050	75	7.4 57.2F 14.0C		7.6	255	--	--	--	--	--	--	--	--	--	--	-- --			19AF
12/05/74 0940	5050	84	9.1 50.0F 10.0C		7.6	252	--	--	--	--	--	--	--	--	--	--	-- --			29AF
01/09/75 1000	5050	93	10.7 45.5F 7.5C		7.6	225	--	--	--	--	--	--	--	--	--	--	-- --			22AF
02/21/75 0900	5050	93	10.6 46.4F 8.0C		7.8	228	--	--	--	--	--	--	--	--	--	--	-- --			19AF
03/13/75 1130	5050	84	9.1 50.0F 10.0C		7.6	218	--	--	--	--	--	--	--	--	--	--	-- --			22AF
04/17/75 0730	5050 5050	92	10.0 50.0F 10.0C		8.0 8.1	205	--	--	6.8 .30 14	--	0 .00	110 1.80	--	3.5 .10	--	.80	-- --		89	19A 0.3
05/15/75 1045	5050	104	9.7 62.6F 17.0C		8.2	211	--	--	--	--	--	--	--	--	--	--	-- --			5AF
06/12/75 0815	5050	96	7.9 73.4F 23.0C		8.2	230	--	--	--	--	--	--	--	--	--	--	-- --			10AF
07/10/75 1000	5050	124	10.2 74.3F 23.5C		8.2	228	--	--	--	--	--	--	--	--	--	--	-- --			5AF
08/14/75 0900	5050	80	6.4 77.0F 25.0C		8.0	241	--	--	--	--	--	--	--	--	--	--	-- --			10AF
09/05/75 0900	5050	26	2.2 71.6F 22.0C		7.3	246	--	--	--	--	--	--	--	--	--	--	-- --			31AF

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCM	TURB SAR
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
	48	1120.00			CACHE CREEK NEAR CAPAY															
10/22/74	5050	2.30	10.6	60 F	8.1	539	--	--	--	--	--	--	--	--	--	--	--			
1015		61	107	16 C													--			
11/07/74	5050	1.93	9.2	58 F	7.9	677	44	34	50	--	0	285	--	70	--	1.80	--		251	1A
0920	5050	18	90	14 C	8.3	721	2.20	2.82	2.18		.00	4.67		1.97			--		18	1.4
							31	39	30											
12/30/74	5050	2.32	11.0	44 F	8.1	997	46	52	100	--	6.0	302	--	145	--	3.10	--	604	332	10A
0940	5050	75	90	7 C	8.4	1060	2.30	4.34	4.35		.20	4.95		4.09			--		75	2.4
							21	39	40											
01/14/75	5050	2.11	12.2	49 F	8.1	961	--	--	--	--	--	--	--	--	--	--	--			
1115		44	107	9 C													--			
02/03/75	5050	3.95		43 F		481	--	--	--	--	--	--	--	--	--	--	--			
1030		594		6 C													--			
03/03/75	5050	2.95	9.8	54 F	8.2	704	36	38	52	--	0	285	--	71	--	1.90	--	430	250	7A
1000	5050	191	92	12 C	8.3	713	1.80	3.20	2.26		.00	4.67		2.00			--		17	1.4
							25	44	31											
03/18/75	5050	8.82	10.7	51 F	8.1	252	19	16	16	--	0	144	--	12	--	.80	--	140	117	510A
1100	5050	5100	96	11 C	8.1	290	.95	1.39	.70		.00	2.36		.34			--		0	0.6
							31	46	23											
04/01/75	5050	7.43	10.4	52 F	8.0	285	--	--	--	--	--	--	--	--	--	--	--			
1000		3460	95	11 C													--			
05/14/75	5050	3.94	9.1	67 F	8.0	354	--	--	--	--	--	--	--	--	--	--	--			
0930		609	99	19 C													--			
06/12/75	5050	4.08	8.8	75.0F	8.1	275	--	--	15	--	0	156	--	--	--	--	--	171	129	35A
1000	5050	681	104	23.9C	8.1	298			.65		.00	2.56					--			0.6
									20											
07/17/75	5150	3.03	8.2	75 F	8.2	282	--	--	--	--	--	--	--	--	--	--	--			
0900		483	97	24 C													--			
08/07/75	5050	3.74	7.9	72 F	8.0	250	--	--	--	--	--	--	--	--	--	--	--			
0815		515	91	22 C													--			
09/11/75	5050	3.21	8.4	78 F	8.3	312	25	18	18	1.8	0	172	10	16	.9	1.10	--	187	134	5A
1430	5050	241	103	26 C	7.8	343	1.25	1.48	.78	.05	.00	2.82	.21	.45	.01		--	175	0	0.7
							35	42	22	1		81	6	13						
09/25/75	5150	2.84	7.8	69 F	8.0	369	--	--	--	--	--	--	--	--	--	--	--			
0830			87	21 C													--			
	48	1250.00			BEAR CREEK NEAR RUMSEY															
10/04/74	5050	1.15	10.2	69.8F	8.3	3540	--	--	570	--	50	754	--	745	--	12.0	--		540	1A
1140	5050	2.0	117	21.0C	8.6	3570			24.80		1.67	12.36		21.01			--			10.7
									70											
11/15/74	5050	1.19	11.1	53.6F	8.4	4180	--	--	--	--	--	--	--	--	--	--	--			1AF
1530		2.6	106	12.0C													--			
12/05/74	5050	1.85	11.7	48.2F	8.3	2560	--	--	340	--	25	580	--	433	--	9.20	--		506	7A
1220	5050	18	98	9.0C	8.5	2470			14.79		.83	9.51		12.21			--			6.6
									59											
01/09/75	5050	1.72	12.6	42.8F	8.4	2820	--	--	--	--	--	--	--	--	--	--	--			3AF
1345		23	104	6.0C													--			
02/21/75	5050	2.08	12.1	45.5F	8.4	1056	--	--	--	--	--	--	--	--	--	--	--			3AF
1215		57	104	7.5C													--			
03/13/75	5050	2.22	10.2	49.1F	8.2	1190	--	--	--	--	--	--	--	--	--	--	--			3AF
1340		74	92	9.5C													--			
04/17/75	5050	2.00	10.6	53.6F	8.2		--	--	134	--	35	482	--	155	--	5.30	--		448	1A
1110	5050	47	101	12.0C	8.7	1300			5.83		1.17	7.90		4.40			--			2.8
									39											
05/15/75	5050	1.64	8.8	75.2F	8.4	1880	--	--	--	--	--	--	--	--	--	--	--			1AF
1330		18	107	24.0C													--			
06/12/75	5050	1.28	8.5	77.0F	8.3	2550	--	--	--	--	--	--	--	--	--	--	--			2AF
1050		4.3	105	25.0C													--			
07/10/75	5050	1.17	9.2	82.4F	8.4	2850	--	--	--	--	--	--	--	--	--	--	--			2AF
1300		2.3	120	28.0C													--			
08/14/75	5050	0.82	9.8	82.4F	8.4	3170	--	--	--	--	--	--	--	--	--	--	--			2AF
1245		1.4	128	28.0C													--			
09/05/75	5050	1.09	10.2	75.2F	8.3	3200	--	--	502	--	70	691	--	668	--	19.0	--		508	0A
1140	5050	1.3	124	24.0C	8.7	3220			21.84		2.33	11.33		18.84			--			9.7
									68											

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER				MILLIEQUIVALENTS PER LITER					MILLIGRAMS PER LITER				
											PERCENT REACTANCE VALUE									
	A8	1350.00			CACHE CREEK NEAR LOWER LAKE															
10/04/74 0950	5050	1.78 92	8.4 98	69.8F 21.0C	7.6	264	--	--	--	--	--	--	--	--	--	--	-- --			6AF
11/15/74 1400	5050	0.58 10	8.1 81	56.3F 13.5C	7.6	284	--	--	--	--	--	--	--	--	--	--	-- --			2AF
12/05/74 1050	5050	0.52 7.0	9.4 87	50.0F 10.0C	7.6	296	--	--	--	--	--	--	--	--	--	--	-- --			4AF
01/09/75 1115	5050	0.34 2.8	12.2 102	42.8F 6.0C	8.1	294	--	--	--	--	--	--	--	--	--	--	-- --			5AF
02/21/75 1030	5050 5050	0.48 7.0	9.9 86	45.5F 7.5C	7.3 7.6	199 199	--	--	11 .48 23	--	0 .00	87 1.43	--	6.8 .19	--	.40	-- --		79	36A 0.5
04/17/75 0910	5050 5050	3.67 513	10.0 97	53.6F 12.0C	8.3 8.1	273	--	--	6.8 .30 12	--	0 .00	140 2.29	--	7.5 .21	--	.80	-- --		112	13A 0.3
05/15/75 1200	5050	3.92 615	8.6 98	66.2F 19.0C	8.0	247	--	--	--	--	--	--	--	--	--	--	-- --			11AF
06/12/75 0920	5050	3.88 593	7.4 94	78.8F 26.0C	8.0	251	--	--	--	--	--	--	--	--	--	--	-- --			10AF
07/10/75 1105	5050	3.75 550	8.1 101	77.0F 25.0C	8.0	243	--	--	--	--	--	--	--	--	--	--	-- --			10AF
08/14/75 1015	5050	3.74 550	7.4 94	78.8F 26.0C	8.1	258	--	--	--	--	--	--	--	--	--	--	-- --			5AF
09/05/75 1015	5050	2.85 288	7.4 91	75.2F 24.0C	7.7	256	--	--	--	--	--	--	--	--	--	--	-- --			7AF
	A8	2650.00			CACHE CREEK, NORTH FORK, NEAR LOWER LAKE															
10/04/74 1035	5050	0.43 3.3	10.0 115	69.8F 21.0C	8.2	642	--	--	--	--	--	--	--	--	--	--	-- --			1AF
11/15/74 1445	5050	0.58 4.1	13.0 136	60.8F 16.0C	8.4	603	--	--	--	--	--	--	--	--	--	--	-- --			1AF
12/05/74 1135	5050 5050	0.78 12	10.8 98	49.1F 9.5C	8.0 8.2	626 638	--	--	36 1.57 24	--	0 .00	203 4.31	--	50 1.41	--	3.50	-- --		246	12A 1.0
01/09/75 1300	5050	0.98 29	12.9 110	44.6F 7.0C	8.1	418	--	--	--	--	--	--	--	--	--	--	-- --			10AF
02/21/75 1125	5050	2.02 159	11.2 96	45.5F 7.5C	7.7	203	--	--	--	--	--	--	--	--	--	--	-- --			85AF
03/13/75 1255	5050	1.71 120	10.3 92	46.2F 9.0C	7.8	243	--	--	--	--	--	--	--	--	--	--	-- --			55AF
04/17/75 1020	5050 5050	1.09 36	12.3 118	53.6F 12.0C	8.2 8.3	325	--	--	16 .70 20	--	0 .00	65 1.07	--	12 .34	--	.90	-- --		139	1A 0.6
05/15/75 1245	5050	0.70 13	10.2 121	72.5F 22.5C	8.2	360	--	--	--	--	--	--	--	--	--	--	-- --			1AF
06/12/75 1005	5050 5050	1.62 94	10.6 111	66.8F 16.0C	8.2 7.6	245 237	17 .85 36	13 1.07 45	10 .44 18	.9 .02 1	0 .00	119 1.95 82	7.6 .16 7	9.5 .27 11	.3 .00	.80	-- --	152 118	98 0	4AF 0.4
07/10/75 1215	5050 5050	0.48 2.0	9.9 127	80.6F 27.0C	8.4 8.3	326 323	--	--	18 .78 23	--	0 .00	162 2.66	--	18 .51	--	1.30	-- --		128	0A 0.7
08/14/75 1115	5050 5050	1.42 1.6	9.7 124	79.7F 26.5C	8.2 8.2	352 354	--	--	22 .96 26	--	0 .00	170 2.79	--	22 .62	--	1.80	-- --		136	1A 0.8
09/05/75 1100	5050 5050	0.37 1.0	9.8 119	75.2F 24.0C	8.2 8.4	359 364	--	--	24 1.04 27	--	1.0 .03	173 2.84	--	24 .68	--	2.10	-- --		140	1A 0.9
	A9	1250.00			PUTAH CREEK NEAR WINTERS															
10/22/74 1200	5050	6.34 284	11.4 107	54 F 12 C	7.9	294	--	--	--	--	--	--	--	--	--	--	-- --			
12/30/74 1050	5050 5050	5.23 55	10.9 98	51 F 11 C	8.0 8.4	304 336	16 .80 22	27 2.28 63	12 .52 14	--	2.0 .07	166 2.72	--	6.9 .19	--	.20	-- --	194	154 15	2A 0.4
03/03/75 1215	5050 5050	4.83 50	11.6 107	53 F 12 C	8.0 8.3	343 327	20 1.00 26	28 2.32 60	12 .52 14	--	0 .00	186 3.05	--	10 .28	--	.30	-- --	222	166 14	5A 0.4

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O DEPTH	DO SAT	TEMP	FIELD PH	FIELD EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
	49	1250.00			PUTAH CREEK NEAR WINTERS															
06/12/75	5050	8.07	12.2	54.0F	8.2	287	--	--	8.2	--	0	172	--	--	--	--	--	181	150	4A
1330	5050	733	114	12.2C	8.2	304			.36		.00	2.82					--			0.3
									11											
09/11/75	5050	7.42	11.6	56 F	8.2	281	16	26	8.6	--	0	172	--	5.3	--	--	--	170	147	0A
1315	5050	540	111	13 C	8.0	310	.80	2.14	.37		.00	2.82		.15			--		6	0.3
							24	65	11											
	49	1377.00			CAPELL CREEK AT HWY 121 NEAR MOSKOWITE CORNER															
12/05/74	3207		11.4	46 F	7.4	435	--	--	--	--	--	--	--	--	--	--	--			1A
1100	1904	.5	99	8 C													--			
	49	1385.00			CAPELL CREEK AT CIRCLE OAKS															
12/04/74	3207		10.7	48 F	7.5	525	--	--	--	--	--	--	--	--	--	--	--			1A
1230	1904	.5	95	9 C													--			
01/09/75	3207		11.3	45 F		490	21	24	--	--	0	68	56	15	--	--	--	153*	154	11A
1230	1904	1.0	96	7 C	7.5		1.05	2.02			.00	1.11	1.17	.44			--		98	
												41	43	16						
	80	2105.00			MOKELUMNE RIVER AT WOODBRIDGE															
10/21/74	5050	7.88	9.9	60 F	7.1	44	--	--	--	--	--	--	--	--	--	--	--			
1330		481	99	16 C													--			
11/12/74	5050	6.45	10.0	59 F	7.1	42	--	--	--	--	--	--	--	--	--	--	--			
1310		432	99	15 C													--			
12/04/74	5050	5.06	9.9	57 F	7.0	41	--	--	--	--	--	--	--	--	--	--	--			
1450		206	96	14 C													--			
01/16/75	5050	4.20	11.9	48 F	7.1	43	--	--	--	--	--	--	--	--	--	--	--			
1530		87	102	9 C													--			
02/05/75	5050	3.89	11.6	50 F	7.1	46	--	--	--	--	--	--	--	--	--	--	--			
1400		40	103	10 C													--			
03/20/75	5050	8.41	11.1	50 F	7.1	41	4.1	1.2	2.3	--	0	19	--	1.9	--	--	--	25	15	1A
1015	5150	791	98	10 C	7.1	43	.20	.10	.10		.00	.31		.05			--		0	0.3
							50	25	25											
04/21/75	5050	10.96	10.7	53.5F	7.2	47	--	--	--	--	--	--	--	--	--	--	--			
1230		1230	99	11.9C													--			
05/01/75	5050	9.87	9.8	55 F	7.2	47	--	--	--	--	--	--	--	--	--	--	--			
1420		1740	92	13 C													--			
05/15/75	5050	7.84	9.8	59 F	7.2	46	--	--	--	--	--	--	--	--	--	--	--			
1300		679	97	15 C													--			
06/09/75	5050	8.41	9.5	64 F	7.2	47	--	--	--	--	--	--	--	--	--	--	--			
1300		744	99	18 C													--			
07/09/75	5050	6.34	9.6	67 F	7.2	47	--	--	--	--	--	--	--	--	--	--	--			
1415		415	104	19 C													--			
08/08/75	5050	5.96	9.1	67 F	7.2	47	--	--	--	--	--	--	--	--	--	--	--			
1145		353	98	19 C													--			
09/12/75	5050	7.24	9.5	62 F	7.3	47	4.5	1.4	2.6	--	0	22	--	2.7	--	--	--	29	17	0A
1430	5050	555	97	17 C	7.2	48	.22	.12	.11		.00	.36		.08			--		0	0.3
							49	27	24											
	80	2580.00			STOCKTON DIVERTING CANAL AT STOCKTON															
10/21/74	5050	2.88				252	--	--	--	--	--	--	--	--	--	--	--			
1230		.0															--			
11/12/74	5050	6.73	10.5	66 F	7.6	170	20	7.3	5.4	--	0	92	--	2.1	--	--	--		80	1A
1210	5050	539	112	19 C	8.0	187	1.00	.60	.23		.00	1.51		.06			--		5	0.3
							55	33	13											
12/04/74	5050	7.13	10.1	56 F	7.6	177	--	--	--	--	--	--	--	--	--	--	--			
1400		569	96	13 C													--			
01/16/75	5050	3.31		47 F		209	--	--	--	--	--	--	--	--	--	--	--			
1500		6.1		8 C													--			
02/21/75	5050	4.38	11.4	49 F	7.7	189	--	--	--	--	--	--	--	--	--	--	--			
1350		56	99	9 C													--			
03/27/75	5050	11.74	10.6	51 F	7.6	170	19	7.9	6.2	--	0	92	--	9.4	--	--	--	102	80	25A
1345	5050	5573	95	11 C	7.9	186	.95	.65	.27		.00	1.51		.27			--		5	0.3
							51	.35	14											
04/21/75	5050	3.01	8.8	66 F	7.9	206	--	--	--	--	--	--	--	--	--	--	--			
1140		2.0	94	19 C													--			

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. O DEPTH	OO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCM	TURB SAR
							MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
	80	2580.00			STOCKTON DIVERTING CANAL AT STOCKTON									CONTINUED						
05/15/75 1100	5050	3.67 18	8.5 97	72 F 22 C	8.0	189	--	--	--	--	--	--	--	--	--	--	-- --			
06/09/75 1215	5050 5050	3.15 4.6	9.0 114	83.0F 28.3C	8.2 7.4	183 191	--	--	5.9 .26 13	--	0 .00	93 1.52	--	--	--	--	-- --	130	86	0.3
07/09/75 1330	5050	3.02 2.2	10.5 132	82 F 28 C	8.3	195	--	--	--	--	--	--	--	--	--	--	-- --			
07/24/75 1200	5050	3.04 2.6	9.6 124	85 F 29 C	8.6	194	--	--	--	--	--	--	--	--	--	--	-- --			
08/25/75 1230	5050	3.21 5.7	13.4 169	82 F 28 C	9.1	189	--	--	--	--	--	--	--	--	--	--	-- --			
09/19/75 1300	5050 5050	3.05 2.8	11.4 137	77 F 25 C	8.1 8.3	199 212	17 .85 42	8.9 .73 36	10 .44 22	--	0 .00	101 1.66	--	5.9 .17	--	--	-- --	146	79 0	3A 0.5
	80	7620.00			SAN JOAQUIN RIVER NEAR VERNALIS															
10/02/74 1035	5001 5050	3	6.9 74	66 F 19 C	7.6	345	--	--	--	--	0 .00	78 1.28	--	47 1.33	--	--	-- 16.0	207		14AF
10/16/74 1030	5001 5050	12.37 2700 3	7.3 78	66 F 19 C	7.6	500	--	--	--	--	0 .00	106 1.74	--	80 2.26	--	--	-- 18.0	272		24AF
10/17/74 0800	5050 5050	12.75	7.0 73	64 F 18 C	7.2 7.7	400 505	22 1.10 24	12 1.06 24	54 2.35 52	--	0 .00	103 1.69 38	36 .75 17	69 1.95 44	--	.10	-- --	274 245	108 24	2.3
11/06/74 1425	5001 5050	14.49 4500 3	8.7 84	57 F 14 C	7.3	330	--	--	--	--	0 .00	68 1.11	--	43 1.21	--	--	-- 14.2	194		16AF
11/18/74 1320	5001 5050	13.57 3670 3	8.9 88	59 F 15 C	7.3	440	--	--	--	--	0 .00	76 1.25	--	56 1.58	--	--	-- 14.0	239		10AF
11/21/74 0900	5050 5050	13.35	8.8 83	55.4F 13.0C	7.3 7.7	310 458	21 1.05 25	10 .89 21	53 2.31 54	--	0 .00	88 1.44 35	44 .92 22	61 1.72 42	2.7 .04 1	.20	-- --	248 236	97 25	2.3
12/17/74 1300	5001 5050	14.62 4510 3	10.1 93	54 F 12 C	7.6	375	--	--	--	--	0 .00	68 1.11	--	53 1.49	--	--	-- 12.2	240		9AF
12/19/74 0900	5050 5050	12.67	8.7 77	50.0F 10.0C	7.2 8.1	358 525	22 1.10 24	12 1.06 23	58 2.52 54	--	0 .00	87 1.43 31	65 1.35 29	67 1.89 40	--	.40	-- --	292 266	108 37	2.4
01/21/75 1600	5001 5050	12.56 2750 3	9.8 87	50 F 10 C	7.5	645	--	--	--	--	0 .00	99 1.62	--	106 2.99	--	--	-- 15.0	376		8AF
02/03/75 1450	5001 5050	13.27 3325 3	9.9 90	52 F 11 C		633	--	--	--	--	--	--	--	95 2.68	--	--	-- 11.8	376		16AF
03/18/75 1115	5001 5050	16.38 6420 3	9.7 92	55 F 13 C	7.6	408	--	--	--	--	0 .00	78 1.28	--	49 1.38	--	--	-- 14.0	239		22AF
04/01/75 1240	5001 5050	16.40 6440 3	9.7 92	55 F 13 C	7.6	398	--	--	--	--	0 .00	76 1.25	--	50 1.41	--	--	-- 14.0	250		25AF
04/18/75 1410	5001 5050	13.22 3380 3	9.4 93	59 F 15 C	7.4	633	--	--	--	--	0 .00	110 1.80	--	80 2.26	--	--	-- 17.0	339		26AF
05/01/75 1335	5001 5050	12.14 2510 3	8.9 95	66 F 19 C	7.8	702	--	--	--	--	0 .00	125 2.05	--	121 3.41	--	--	-- 16.0	472		32AF
05/15/75 1210	5001 5050	13.79 3870 3	9.5 100	64 F 18 C	7.8	405	--	--	--	--	0 .00	83 1.36	--	54 1.52	--	--	-- 16.0	240		19AF
06/03/75 1700	5001 5050	16.61 6670 3	8.9 95	66 F 19 C	7.3	198	--	--	--	--	0 .00	44 .72	--	23 .65	--	--	-- 10.0	107		18AF
06/17/75 1615	5001 5050	17.69 7930 3	8.7 93	66 F 19 C	7.6	140	--	--	--	--	0 .00	37 .61	--	15 .42	--	--	-- 10.0	81		17AF
06/25/75 1010	5050 5001	2930 3	8.2 88	66 F 19 C	7.8	531	--	--	--	--	0 .00	110 1.80	--	--	--	--	-- 16.2			38AF
07/01/75 1535	5001 5050	3	9.8 109	70 F 21 C	8.2	736	--	--	--	--	0 .00	145 2.38	--	120 3.38	--	--	-- 16.0	430		32AF
07/15/75 1510	5001 5050	3	8.7 99	72 F 22 C	8.2	778	--	--	--	--	0 .00	151 2.47	--	59 1.66	--	--	-- 17.0	414		50AF
07/23/75 1035	5050 5001	3	7.4 89	77 F 25 C	7.4 7.9	865	--	--	--	--	0 .00	132 2.16	--	--	--	--	-- 18.6			54AF

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. Q DEPTH	DO SAT	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER; MILLIEQUIVALENTS PER LITER; PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
	80	7020.00			SAN JOAQUIN RIVER NEAR VERNALIS									CONTINUED						
08/12/75	5001		9.4	78.8F	7.2	733	--	--	--	--	--	--	--	106	--	--	--	396		48AF
1615	5050		115	26.0C										2.99			18.0			
		3																		
08/26/75	5001	11.14	7.3	77 F	7.7	685	--	--	--	--	--	--	--	104	--	--	--	420		31AF
1200	5050	1790	88	25 C										2.93			21.0			
		3																		
09/11/75	5001	12.16	7.9	72 F	7.8	471	--	--	--	--	0	82	--	71	--	--	--	255		19AF
1410	5050	2530	90	22 C							.00	1.34		2.00			16.0			
		3																		
09/25/75	5001	12.81	7.4	73 F	7.8	379	--	--	--	--	0	75	--	49	--	--	--	218		19AF
1330	5050	3650	86	23 C							.00	1.23		1.38			14.0			
		3																		
	81	1150.00			COSUMNES RIVER AT MICHIGAN BAR															
11/15/74	5050	2.56	10.6	56 F	7.3	88	--	--	--	--	--	--	--	--	--	--	--			
1300		44	102	13 C													--			
12/05/74	5050	3.55	10.8	48 F	7.2	83	6.7	4.2	4.7	--	0	43	--	1.8	--	--	--	71	34	6A
1100	5050	295	93	9 C	7.1	87	.33	.35	.20		.00	.70		.05			--		0	0.4
							38	40	23											
01/21/75	5050	3.02	12.3	44 F	7.3	98	--	--	--	--	--	--	--	--	--	--	--			
1045		132	101	7 C													--			
02/25/75	5050	3.83				92	--	--	--	--	--	--	--	--	--	--	--			
1245		428															--			
03/21/75	5050	4.50	11.5	47 F	7.3	84	--	--	--	--	--	--	--	--	--	--	--			
0830		920	98	8 C													--			
04/25/75	5050	5.46	11.4	50 F	7.2	59	4.4	2.7	2.8	.9	0	32	2.3	.0	.2	.20	--	48	22	21A
1100	5050	2080	101	10 C	7.6	63	.22	.22	.12	.02	.00	.52	.05	.00	.00		--	29	0	0.3
							38	38	21	3		91	9							
05/12/75	5050	5.16	9.8	50 F	7.2	46	--	--	--	--	--	--	--	--	--	--	--			
0845		1650	96	14 C													--			
05/29/75	5050	4.70	9.2	65 F	7.2	40	--	--	--	--	--	--	--	--	--	--	--			
1315		1120	98	18 C													--			
06/20/75	5050	3.44	9.4	69.0F	7.4	48	--	--	2.5	--	0	24	--	--	--	--	--	46	20	
1230	5050	267	104	21.5C	7.5	47			.11		.00	.39					--			0.2
									22											
07/17/75	5050	2.90	8.8	79 F	7.4	58	--	--	--	--	--	--	--	--	--	--	--			
1215		111	108	26 C													--			
08/07/75	5050	2.54	8.5	80.0F	7.9	63	--	--	--	--	--	--	--	--	--	--	--	52		0A
1400	5050	42	107	26.6C		66											--			
	81	2100.00			COSUMNES RIVER, NORTH FORK, NEAR EL DORADO															
04/25/75	5050	5.32	11.2	46 F	7.1	40	4.2	1.3	2.5	--	0	20	--	1.0	--	--	--	36	16	14A
0815	5050	1150	96	8 C	7.2	43	.21	.11	.11		.00	.33		.03			--		0	0.3
							49	26	26											
09/15/75	5050	2.39	8.2	66 F	7.2	59	5.5	2.3	3.0	--	0	32	--	1.7	--	--	--	38	23	0A
0830	5050	17	90	19 C	7.2	61	.27	.19	.13		.00	.52		.05			--		0	0.3
							46	32	22											
	81	3150.00			COSUMNES RIVER, MIDDLE FORK, NEAR SOMERSET															
04/25/75	5050	6.80	11.7	43 F	7.0	32	3.3	1.9	2.3	--	0	19	--	.8	--	--	--	30	16	14
0930	5050		100	6 C	7.2	36	.16	.16	.10		.00	.31		.02			--		1	0.3
							38	38	24											
09/15/75	5050	3.64	8.6	65 F	7.2	53	5.7	1.4	2.6	--	0	29	--	1.2	--	--	--	33	20	0A
0930	5050		97	18 C	7.2	55	.28	.12	.11		.00	.48		.03			--		0	0.3
							55	24	22											
	81	4110.01			COSUMNES RIVER, SOUTH FORK, AT RIVER PINES															
04/25/75	5050		10.9	46 F	7.2	64	6.4	2.4	3.2	--	0	36	--	1.9	--	--	--	42	26	4A
0900	5050	100E	97	8 C	7.4	69	.32	.20	.14		.00	.59		.05			--		0	0.3
							48	30	21											
09/15/75	5050		6.8	65 F	7.2	115	12	5.4	4.2	--	0	68	--	3.5	--	--	--	74	52	0A
0900	5050	2E	77	18 C	7.7	125	.60	.44	.18		.00	1.11		.10			--		0	0.3
							49	36	15											
	82	0180.01			JACKSON CREEK AT JAPUR ROAD BRIDGE															
05/08/75	2163		11.1	64 F	8.8	233	--	--	--	--	--	--	--	--	--	--	--			
1340	5050		119	18 C		231											--			
	82	0185.01			JACKSON CREEK BELOW CITY OF JACKSON STP															
05/08/75	2163		9.8	59 F	7.9	225	--	--	--	--	--	--	--	--	--	--	--			
0945	5050		100	15 C		232											--			

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.P. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
		82 0190.20			JACKSON CREEK ABOVE CITY OF JACKSON STP															
05/08/75 0915	2163 5050		10.5 106	58 14 F C	8.0	210 257	--	--	--	--	--	--	--	--	--	--	-- --			
		82 0190.55			JACKSON CREEK, NORTH FORK, IN JACKSON															
05/08/75 1250	2163 5050		9.6 103	63 17 F C	8.0	325 333	--	--	--	--	--	--	--	--	--	--	-- --			
		82 0190.70			JACKSON CREEK, SOUTH FORK, IN JACKSON															
05/08/75 1040	2163 5050		10.0 109	64 18 F C	7.8	171 172	--	--	--	--	--	--	--	--	--	--	-- --			
		82 0191.01			JACKSON CREEK ABOVE SOUTH FORK JACKSON CREEK															
05/08/75 1100	2163 5050		9.8 104	62 17 F C	7.6	172 182	--	--	--	--	--	--	--	--	--	--	-- --			
		82 0193.01			JACKSON CREEK BELOW NEW YORK GULCH															
05/08/75 1220	2163 5050		8.8 97	65 18 F C	7.6	151 160	--	--	--	--	--	--	--	--	--	--	-- --			
		R9 0 745.3 118.3			SAN JOAQUIN RIVER ABOVE PARADISE CUT															
08/25/75 1125	5050 5001 3		9.2 101	68 20 F C	7.9	540	--	--	--	--	0 .00	114 1.87	--	--	--	--	-- 16.2			31 A
07/22/75 1125	5050 5001 3		8.2 98	77 25 F C	9.3 7.9	918	--	--	--	--	0 .00	130 2.13	--	--	--	--	-- 16.8			34AF
		R9 0 747.2 118.4			SAN JOAQUIN RIVER AT MOSSDALE BRIDGE															
10/02/74 0950	5001 5050 3		7.0 75	66 19 F C	7.4	365	--	--	--	--	0 .00	96 1.57	--	46 1.30	--	--	-- 16.2	218		12AF
10/16/74 0945	5001 5050 3		7.1 75	64 18 F C	7.4	449	--	--	--	--	0 .00	110 1.80	--	78 2.20	--	--	-- 18.0	252		18AF
10/21/74 1040	5050 5050	3.10	8.6 88	62 17 F C	7.3 7.7	500 530	26 1.30 27	12 .99 20	57 2.48 51	3.0 .08 2	0 .00	106 1.74 37	47 .98 21	67 1.89 40	5.2 .08 2	.20	-- --	295 270	114 28	2.3
11/06/74 1350	5001 5050 3		9.0 87	57 14 F C	7.3	290	--	--	--	--	0 .00	70 1.15	--	37 1.04	--	--	-- 13.6	171		15AF
11/18/74 1240	5001 5050 3		8.7 82	55 13 F C	7.7	440	--	--	--	--	0 .00	78 1.28	--	59 1.66	--	--	-- 14.4	244		11AF
11/22/74 1500	5050 5050	3.02	9.2 87	55 13 F C	7.3 7.6	454 481	24 1.20 28	12 .99 23	48 2.09 48	2.1 .05 1	0 .00	93 1.52 36	48 1.00 24	58 1.64 39	2.9 .05 1	.20	-- --	257 241	110 34	2.0
12/17/74 1100	5050 5050		9.3 84	52 11 F C	7.2 7.5	395 428	20 1.00 26	9.7 .80 21	45 1.96 52	1.7 .04 1	0 .00	76 1.25 33	50 1.04 28	51 1.44 38	2.7 .04 1	.20	-- --	227 218	90 28	2.1
12/17/74 1220	5001 5050 3		10.0 90	52 11 F C	7.7	373	--	--	--	--	0 .00	68 1.11	--	53 1.49	--	--	-- 12.0	239		11AF
01/15/75 1400	5050 5050		10.4 92	50 10 F C	7.2 7.9	301 324	15 .75 27	7.9 .65 23	32 1.39 49	1.4 .04 1	0 .00	59 .97 35	34 .71 25	39 1.10 39	2.1 .03 1	.20	-- --	184 161	70 22	12AF 1.7
01/21/75 1515	5001 5050 3		9.8 87	50 10 F C	7.4	597	--	--	--	--	0 .00	78 1.28	--	99 2.79	--	--	-- 13.0	338		8AF
02/03/75 1410	5001 5050 3		10.1 89	50 10 F C		562	--	--	--	--	--	--	--	85 2.40	--	--	-- 13.8	317		12AF
02/21/75 1200	5050 5050		10.2 89	49 9 F C	7.3 7.5	362 395	20 1.00 27	9.2 .76 21	42 1.83 50	2.0 .05 1	0 .00	72 1.18 31	55 1.15 31	49 1.38 37	2.3 .04 1	.30	-- --	227 215	88 29	22AF 2.0
03/18/75 1010	5001 5050 3		9.5 88	54 12 F C	7.5	381	--	--	--	--	0 .00	75 1.23	--	45 1.27	--	--	-- 13.8	231		25AF
03/27/75 1200	5050 5050	6.65	9.7 90	54 12 F C	7.3 7.6	322 340	16 .80 25	10 .82 25	36 1.57 49	1.4 .04 1	0 .00	72 1.18 38	42 .87 28	37 1.04 33	3.4 .05 2	.20	-- --	193 181	81 22	26AF 1.7
04/01/75 1150	5001 5050 3		9.7 90	54 12 F C	7.7	373	--	--	--	--	0 .00	75 1.23	--	45 1.27	--	--	-- 15.0	230		26AF
04/18/75 1310	5001 5050 3		9.0 87	57 14 F C	7.8	641	--	--	--	--	0 .00	109 1.79	--	92 2.59	--	--	-- 15.0	357		21AF
04/21/75 0930	5050 5050	2.90	8.8 91	63 17 F C	7.4 7.7	585 599	30 1.50 27	15 1.23 22	64 2.78 50	1.8 .05 1	0 .00	111 1.82 32	68 1.42 25	84 2.37 42	3.6 .06 1	.30	-- --	352 321	138 46	20AF 2.4

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. O DEPTH	DO SAT	TEMP	FIELD PH	FIELD EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TM NCM	TURB SAR
							MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER					MILLIGRAMS PER LITER				
							MILLIEQUIVALENTS PER LITER													
							PERCENT REACTANCE VALUE													
89 D 747.2 118.4 SAN JOAQUIN RIVER AT MOSSDALE BRIDGE CONTINUED																				
05/01/75	5001		9.3	64 F	7.8	695	--	--	--	--	0	123	--	80	--	--	--	422		22AF
1235	5050		98	18 C							.00	2.02		2.26			15.0			
		3																		
05/15/75	5001		9.6	64 F	7.9	420	--	--	--	--	0	84	--	58	--	--	--	225		18AF
1115	5050		101	18 C							.00	1.38		1.64			16.0			
		3																		
05/28/75	5050	4.72	9.2	68.0F	7.5	309	16	7.3	33	1.9	0	64	30	41	2.5	.30	--	194	70	33AF
1000	5050		101	20.0C	7.5	322	.80	.60	1.44	.05	.00	1.05	.62	1.16	.04		--	163	18	1.7
							28	21	50	2		37	22	40	1					
06/03/75	5001		8.9	68 F	7.5	211	--	--	--	--	0	48	--	24	--	--	--	127		22AF
1600	5050		97	20 C							.00	.79		.68			10.0			
		3																		
06/17/75	5001		8.6	68 F	7.5	153	--	--	--	--	0	40	--	16	--	--	--	79		21AF
1525	5050		94	20 C							.00	.66		.45			10.0			
		3																		
06/25/75	5050		9.2	69 F	7.4	489	29	14	52	2.8	0	110	52	77	5.3	.20	--	315	132	32AF
0845	5050		102	21 C	8.1	544	1.45	1.15	2.26	.07	.00	1.80	1.08	2.17	.09		--	288	40	2.0
							29	23	46	1		35	21	42	2					
06/25/75	5050		9.2	68 F	7.9	541	--	--	--	--	0	114	--	--	--	--	--			28AF
1225	5001		101	20 C							.00	1.87					16.0			
		3																		
07/01/75	5001		10.4	70 F	8.2	708	--	--	--	--	0	138	--	118	--	--	--	423		26AF
1435	5050		116	21 C							.00	2.26		3.33			7.6			
		3																		
07/15/75	5001		10.0	72 F	8.5	837	--	--	--	--	4.0	151	--	68	--	--	--	465		25AF
1400	5050		114	22 C							.13	2.47		1.92			15.0			
		3																		
07/18/75	5050	2.06	10.8	75.0F	8.0	740	43	22	88	3.9	0	156	86	126	9.0	.30	--	487	198	38AF
0930	5050		127	23.9C	8.0	831	2.15	1.81	3.83	.10	.00	2.56	1.79	3.55	.15		--	455	70	2.7
							27	23	49	1		32	22	44	2					
07/23/75	5050		9.3	79 F	8.2	806	--	--	--	--	0	130	--	--	--	--	--			35AF
1200	5001		114	26 C	8.2						.00	2.13					16.0			
		3																		
08/12/75	5001		9.9	77.0F	7.4	843	--	--	--	--	--	--	--	123	--	--	--	474		28AF
1525	5050		119	25.0C										3.47			17.0			
		3																		
08/18/75	5050		7.7	73.0F	7.6	620	41	21	88	4.5	0	154	78	126	9.5	.30	--	479	187	35AF
1400	5050		89	22.8C	7.8	824	2.05	1.73	3.83	.12	.00	2.52	1.62	3.55	.15		--	444	63	2.8
							27	22	50	2		32	21	45	2					
08/26/75	5001		7.9	75 F	7.7	643	--	--	--	--	--	--	--	99	--	--	--	395		19AF
1120	5050		93	24 C										2.79			20.0			
		3																		
09/11/75	5001		7.5	72 F	7.8	512	--	--	--	--	0	88	--	75	--	--	--	295		17AF
1315	5050		85	22 C							.00	1.44		2.12			16.0			
		3																		
09/19/75	5050		6.4	70 F	7.4	415	25	11	46	3.5	0	105	37	64	5.2	.20	--	276	109	21AF
1100	5050		71	21 C	7.3	471	1.25	.90	2.00	.09	.00	1.72	.77	1.80	.08		--	244	22	1.9
							29	21	47	2		39	18	41	2					
09/25/75	5001		7.3	72 F	7.7	410	--	--	--	--	0	78	--	57	--	--	--	233		18AF
1240	5050		83	22 C							.00	1.28		1.61			15.0			
		3																		
89 D 748.3 126.9 OLD RIVER AT TRACY ROAD BRIDGE																				
10/03/74	5001		6.8	66 F	7.8	415	--	--	--	--	0	86	--	64	--	--	--			17AF
0945	5050		73	19 C							.00	1.41		1.80			13.8			
		3																		
10/17/74	5001		5.7	64 F	7.3	498	--	--	--	--	0	124	--	82	--	--	--			18AF
0950	5050		60	18 C							.00	2.03		2.31			17.2			
		3																		
11/07/74	5001		8.0	55 F	7.3	278	--	--	--	--	0	74	--	42	--	--	--			14AF
1455	5050		76	13 C							.00	1.21		1.18			14.0			
		3																		
11/19/74	5001		8.2	55 F	7.6	470	--	--	--	--	0	84	--	68	--	--	--			12AF
1245	5050		78	13 C							.00	1.38		1.92			15.0			
		3																		
12/18/74	5001		8.4	50 F	7.4	484	--	--	--	--	0	92	--	71	--	--	--			10AF
1200	5050		74	10 C							.00	1.51		2.00			--			
		3																		
01/22/75	5001		9.0	48 F	7.4	595	--	--	--	--	0	94	--	99	--	--	--			9AF
1515	5050		78	9 C							.00	1.54		2.79			13.2			
		3																		
02/04/75	5001		10.0	50 F	7.7	590	--	--	--	--	0	88	--	85	--	--	--			14AF
1455	5050		88	10 C							.00	1.44		2.40			11.2			
		3																		
03/18/75	5001		9.3	54 F	7.6	424	--	--	--	--	0	82	--	57	--	--	--			18AF
0930	5050		86	12 C							.00	1.34		1.61			14.0			
		3																		
04/01/75	5001		9.5	52 F	7.7	382	--	--	--	--	0	76	--	45	--	--	--			23AF
1110	5050		86	11 C							.00	1.25		1.27			17.0			
		3																		
04/18/75	5001		10.7	57 F	8.2	665	--	--	--	--	0	114	--	94	--	--	--			17AF
1225	5050		103	14 C							.00	1.87		2.65			15.0			
		3																		

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	Q.M. DEPTH	DO SAT	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	TDS SUM	TH NCH	TURB SAR
							MILLIGRAMS PER LITER									MILLIGRAMS PER LITER					
							MILLIEQUIVALENTS PER LITER														
							PERCENT REACTANCE VALUE														
R9 D 748.3 126.9 OLD RIVER AT TRACY ROAD BRIDGE																					
																					CONTINUED
05/01/75	5001		10.9	63 F	8.2	753	--	--	--	--	0	129	--	111	--	--	--				20AF
1115	5050		112	17 C							.00	2.11		3.13			14.0				
		3																			
05/15/75	5001		9.8	64 F	8.1	534	--	--	--	--	0	104	--	77	--	--	--				20AF
1015	5050		103	18 C							.00	1.70		2.17			15.0				
		3																			
06/03/75	5001		10.0	70 F	7.7	250	--	--	--	--	0	55	--	34	--	--	--				25AF
1515	5050		111	21 C							.00	.90		.96			10.0				
		3																			
06/17/75	5001		8.5	68 F	7.7	180	--	--	--	--	0	46	--	22	--	--	--				24AF
1425	5050		93	20 C							.00	.75		.62			10.0				
		3																			
07/01/75	5001		11.4	68 F	8.7	758	--	--	--	--	6.0	131	--	123	--	--	--				27AF
1340	5050		125	20 C							.20	2.15		3.47			12.0				
		3																			
07/15/75	5001		7.4	72 F	8.2	945	--	--	--	--	0	166	--	160	--	--	--				27AF
1300	5050		84	22 C							.00	2.72		4.51			11.0				
		3																			
08/12/75	5001		9.9	77.0F	7.4	878	--	--	--	--	--	--	--	142	--	--	--				32AF
1330	5050		119	25.0C										4.00			14.0				
		3																			
08/26/75	5001		6.8	73 F	7.8	650	--	--	--	--	--	--	--	104	--	--	--				24AF
1025	5050		79	23 C										2.93			19.0				
		3																			
09/11/75	5001		6.9	72 F	7.8	515	--	--	--	--	0	85	--	75	--	--	--				23AF
1225	5050		78	22 C							.00	1.39		2.12			15.0				
		3																			
09/25/75	5001		5.5	73 F	7.5	501	--	--	--	--	0	88	--	78	--	--	--				22AF
1145	5050		64	23 C							.00	1.44		2.20			14.0				
		3																			
R9 D 749.8 133.2 WEST CANAL AT MOUTH OF INTAKE TO CLIFTON CT FOREBAY																					
10/03/74	5001		7.0	68 F	7.8	304	--	--	--	--	0	82	--	33	--	--	--		177		20AF
1035	5050		76	20 C							.00	1.34		.93			10.4				
		3																			
10/17/74	5001		7.3	66 F	7.3	235	--	--	--	--	0	86	--	27	--	--	--		140		21AF
1040	5050		78	19 C							.00	1.41		.76			14.6				
		3																			
11/07/74	5001		8.2	55 F	7.3	311	--	--	--	--	0	76	--	42	--	--	--		184		16AF
1550	5050		78	13 C							.00	1.25		1.18			13.8				
		3																			
11/19/74	5001		8.3	55 F	7.5	520	--	--	--	--	0	86	--	75	--	--	--		204		11AF
1330	5050		78	13 C							.00	1.41		2.12			15.4				
		3																			
12/18/74	5001		8.9	50 F	7.5	403	--	--	--	--	0	70	--	59	--	--	--				17AF
1300	5050		79	10 C							.00	1.15		1.66			14.0				
		3																			
01/22/75	5001		9.6	45 F	7.2	432	--	--	--	--	0	72	--	61	--	--	--		247		20AF
1615	5050		79	7 C							.00	1.18		1.72			--				
		3																			
02/04/75	5001		11.0	46 F	7.5	354	--	--	--	--	0	73	--	40	--	--	--		206		21AF
1600	5050		93	8 C							.00	1.20		1.13			17.0				
		3																			
03/18/75	5001		9.1	54 F	7.5	412	--	--	--	--	0	78	--	57	--	--	--		238		18AF
1155	5050		84	12 C							.00	1.28		1.61			14.2				
		3																			
04/01/75	5001		8.5	54 F	7.8	377	--	--	--	--	0	80	--	46	--	--	--		222		21AF
1210	5050		79	12 C							.00	1.31		1.30			16.0				
		3																			
04/16/75	5001		9.0	55 F	7.8	284	--	--	--	--	--	--	--	28	--	--	--		166		24AF
1105	5050		85	13 C										.79			14.0				
		3																			
05/01/75	5001		9.1	61 F	7.7	233	--	--	--	--	0	68	--	21	--	--	--		365		21AF
1225	5050		92	16 C							.00	1.11		.59			15.0				
		3																			
05/15/75	5001		8.7	64 F	7.8	235	--	--	--	--	0	66	--	24	--	--	--		145		25AF
1110	5050		91	18 C							.00	1.08		.68			13.0				
		3																			
06/03/75	5001		7.8	70 F	7.8	291	--	--	--	--	0	63	--	40	--	--	--		170		25AF
1635	5050		87	21 C							.00	1.03		1.13			9.5				
		3																			
06/17/75	5001		8.0	70 F	7.6	220	--	--	--	--	--	--	--	28	--	--	--		146		20AF
1555	5050		89	21 C										.79			11.0				
		3																			
07/01/75	5001		7.6	72 F	7.6	227	--	--	--	--	0	58	--	27	--	--	--		130		31AF
1525	5050		86	22 C							.00	.95		.76			12.0				
		3																			
07/15/75	5001		7.1	73 F	7.6	208	--	--	--	--	0	59	--	21	--	--	--		121		23AF
1440	5050		82	23 C							.00	.97		.59			14.0				
		3																			
08/12/75	5001		7.1	77.0F	7.6	178	--	--	--	--	0	66	--	13	--	--	--		104		18AF
1245	5050		85	25.0C							.00	1.08		.37			14.0				
		3																			

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER B	F	SIO2	MILLIGRAMS PER LITER TDS SUM	TH NCH	TURB SAR
89 O 749.8 133.2 WEST CANAL AT MOUTH OF INTAKE TO CLIFTON CT FOREBAY CONTINUED																					
08/25/75 1100	5J01 5J50	3	7.7 91	75 24	F C	7.6	208	--	--	--	--	0 .00	68 1.11	--	22 .62	--	--	-- 13.0	124		21AF
09/11/75 1335	5J01 5J50	3	7.6 88	73 23	F C	8.5	221	--	--	--	--	2.0 .07	90 1.48	--	19 .54	--	--	-- 15.0	127		17AF
09/26/75 1315	5J01 5J50	3	7.4 86	73 23	F C		242	--	--	--	--	--	--	--	24 .68	--	--	-- 14.0	135		17AF
89 O 751.9 119.3 SAN JOAQUIN RIVER AT BRANOT BRIDGE																					
10/02/74 0915	5J01 5J50	3	7.3 78	66 19	F C	7.5	375	--	--	--	--	0 .00	88 1.44	--	52 1.47	--	--	-- 15.8			12AF
10/16/74 0910	5J01 5J50	3	7.2 76	64 18	F C	7.4	430	--	--	--	--	0 .00	102 1.67	--	73 2.06	--	--	-- 17.8			11AF
11/06/74 1315	5J01 5J50	3	8.8 87	59 15	F C	7.4	268	--	--	--	--	0 .00	64 1.05	--	34 .96	--	--	-- 13.2			11AF
11/18/74 1150	5J01 5J50	3	8.6 81	55 13	F C	7.7	430	--	--	--	--	0 .00	80 1.31	--	58 1.64	--	--	-- 14.2			8AF
12/17/74 1140	5J01 5J50	3	9.9 90	52 11	F C	7.6	374	--	--	--	--	0 .00	68 1.11	--	53 1.49	--	--	-- 22.0			9AF
01/21/75 1440	5J01 5J50	3	10.2 90	50 10	F C	7.4	398	--	--	--	--	0 .00	50 .82	--	58 1.64	--	--	-- 12.0			7AF
02/03/75 1335	5J01 5J50	3	10.4 92	50 10	F C		445	--	--	--	--	--	--	--	66 1.86	--	--	-- 11.8			10AF
89 O 757.4 131.7 MIDDLE RIVER AT BACON ISLAND BRIDGE																					
10/01/74 0950	5J01 5J50	3	6.1 68	70 21	F C	7.6	355	--	--	--	--	0 .00	92 1.51	--	44 1.24	--	--	-- 12.6			13AF
10/16/74 0905	5J01 5J50	3	6.0 64	66 19	F C	7.5	326	--	--	--	--	0 .00	84 1.38	--	44 1.24	--	--	-- 15.2			13AF
11/06/74 1410	5J01 5J50	3	7.6 75	59 15	F C	7.4	325	--	--	--	--	0 .00	74 1.21	--	39 1.10	--	--	-- 15.8			15AF
11/18/74 1215	5J01 5J50	3	7.0 68	57 14	F C	7.4	352	--	--	--	--	0 .00	72 1.18	--	48 1.35	--	--	-- 15.0			13AF
12/17/74 1110	5J01 5J50	3	7.8 69	50 10	F C		374	--	--	--	--	0 .00	68 1.11	--	51 1.44	--	--	-- 15.8			14AF
02/03/75 1325	5J01 5J50	3	10.6 89	46 8	F C	7.1	391	--	--	--	--	0 .00	76 1.25	--	47 1.33	--	--	-- 16.6			12AF
89 O 758.2 134.3 OLD RIVER OPPOSITE RANCHO DEL RIO																					
10/01/74 1020	5J01 5J50	3	8.1 89	68 20	F C	7.8	202	--	--	--	--	0 .00	72 1.18	--	16 .45	--	--	-- 11.8	118		17AF
10/16/74 0935	5J01 5J50	3	7.9 85	66 19	F C	7.5	187	--	--	--	--	0 .00	66 1.08	--	16 .45	--	--	-- 14.0	109		14AF
11/06/74 1440	5J01 5J50	3	7.9 78	59 15	F C	7.5	278	--	--	--	--	0 .00	58 .95	--	31 .87	--	--	-- 14.8	170		16AF
11/18/74 1305	5J01 5J50	3	8.1 78	57 14	F C	7.5	310	--	--	--	--	0 .00	68 1.11	--	38 1.07	--	--	-- 15.0	181		13AF
12/17/74 1155	5J01 5J50	3	9.2 81	50 10	F C		338	--	--	--	--	0 .00	68 1.11	--	42 1.18	--	--	-- 15.6	199		15AF
02/03/75 1410	5J01 5J50	3	11.3 95	46 8	F C	7.3	255	--	--	--	--	0 .00	72 1.18	--	24 .68	--	--	-- 18.4	142		15AF
03/18/75 1050	5J01 5J50	3	9.5 88	54 12	F C	7.5	305	--	--	--	--	0 .00	75 1.23	--	31 .87	--	--	-- 18.2	178		23AF
04/01/75 1055	5J01 5J50	3	9.1 82	52 11	F C	7.9	258	--	--	--	--	0 .00	74 1.21	--	26 .73	--	--	-- 14.0	181		28AF
04/16/75 1005	5J01 5J50	3	9.2 89	57 14	F C	7.6	192	--	--	--	--	--	--	--	15 .42	--	--	-- 15.0	118		23AF
05/01/75 1125	5J01 5J50	3	9.6 99	63 17	F C	7.8	176	--	--	--	--	0 .00	64 1.05	--	12 .34	--	--	-- 12.0	142		16AF

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	Q.N. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	MILLIGRAMS PER LITER SIO2	TDS SUM	TH NCH	TURB SAR
89 D 758.2 134.3 OLD RIVER OPPOSITE RANCHO DEL RIO CONTINUED																					
05/15/75 1015	5001 5050	3	9.3 98	64 F 18 C	8.3	135	--	--	--	--	0 .00	57 .93	--	7.0 .20	--	--	-- 13.0		95		17AF
06/03/75 1535	5001 5050	3	7.0 81	73 F 23 C	7.6	198	--	--	--	--	0 .00	62 1.02	--	19 .54	--	--	-- 12.0		115		21AF
06/17/75 1455	5001 5050	3	7.0 81	73 F 23 C	7.5	228	--	--	--	--	--	--	--	23 .65	--	--	-- 13.0		136		24AF
07/01/75 1420	5001 5050	3	7.5 87	73 F 23 C	7.5	175	--	--	--	--	0 .00	57 .93	--	17 .48	--	--	-- 13.0		88		24AF
07/15/75 1340	5001 5050	3	7.3 84	73 F 23 C	7.6	165	--	--	--	--	0 .00	58 .95	--	12 .34	--	--	-- 15.0		96		18AF
08/12/75 1155	5001 5050	3	7.8 92	75.2F 24.0C	7.9	167	--	--	--	--	0 .00	65 1.07	--	13 .37	--	--	-- 15.0		104		15AF
08/25/75 1005	5001 5050	3	8.3 98	75 F 24 C	7.8	222	--	--	--	--	0 .00	67 1.10	--	19 .54	--	--	-- 14.0		123		13AF
09/11/75 1215	5001 5050	3	8.3 94	72 F 22 C	8.5	206	--	--	--	--	2.0 .07	87 1.43	--	17 .48	--	--	-- 15.0		118		12AF
09/26/75 1225	5001 5050	3	8.1 94	73 F 23 C		199	--	--	--	--	--	--	--	14 .39	--	--	-- 14.0		109		12AF
89 D 758.6 138.3 ROCK SLOUGH AT CONTRA COSTA CANAL INTAKE																					
10/03/74 0840	5001 5050	3	6.7 73	68 F 20 C	7.4	191	--	--	--	--	0 .00	72 1.18	--	15 .42	--	--	-- 11.0		120		18AF
10/17/74 0850	5001 5050	3	6.9 74	66 F 19 C	7.3	183	--	--	--	--	0 .00	84 1.38	--	17 .48	--	--	-- 14.6		110		18AF
11/07/74 1355	5001 5050	3	7.9 76	57 F 14 C	7.1	235	--	--	--	--	0 .00	80 1.31	--	25 .71	--	--	-- 15.8		153		18AF
11/19/74 1140	5001 5050	3	8.0 77	57 F 14 C	7.1	350	--	--	--	--	0 .00	72 1.18	--	45 1.27	--	--	-- 14.8		206		15AF
12/18/74 1100	5001 5050	3	9.0 78	48 F 9 C	7.4	406	--	--	--	--	0 .00	80 1.31	--	57 1.61	--	--	-- 10.6		262		15AF
01/22/75 1415	5001 5050	3	9.7 80	45 F 7 C	7.3	325	--	--	--	--	0 .00	71 1.16	--	36 1.02	--	--	-- 17.4		194		16AF
02/04/75 1350	5001 5050	3	11.1 93	46 F 8 C	7.2	294	--	--	--	--	0 .00	75 1.23	--	28 .79	--	--	-- 18.2		175		18AF
89 D 758.7 122.9 SAN JOAQUIN RIVER AT BUCKLEY COVE																					
10/01/74 0850	5001 5050	3	7.1 78	68 F 20 C	7.7	388	--	--	--	--	0 .00	96 1.57	--	52 1.47	--	--	-- 15.0		236		13AF
10/16/74 0750	5001 5050	3	5.9 62	64 F 18 C	7.7	510	--	--	--	--	0 .00	110 1.80	--	78 2.20	--	--	-- 18.4		281		14AF
11/06/74 1310	5001 5050	3	8.0 79	59 F 15 C	7.6	313	--	--	--	--	0 .00	68 1.11	--	42 1.18	--	--	-- 13.4		187		9AF
11/18/74 1115	5001 5050	3	8.7 84	57 F 14 C	7.6	405	--	--	--	--	0 .00	92 1.51	--	52 1.47	--	--	-- 15.0		244		8AF
12/17/74 1005	5001 5050	3	9.0 86	50 F 10 C	7.2	370	--	--	--	--	0 .00	66 1.08	--	47 1.33	--	--	-- 12.2				11AF
02/03/75 1225	5001 5050	3	11.1 96	48 F 9 C	7.4	508	--	--	--	--	0 .00	81 1.33	--	75 2.12	--	--	-- 12.2		298		7AF
03/18/75 0935	5001 5050	3	9.2 83	52 F 11 C	7.5	335	--	--	--	--	0 .00	80 1.31	--	38 1.07	--	--	-- 14.6		205		18AF
04/01/75 0915	5001 5050	3	8.6 80	54 F 12 C	7.7	315	--	--	--	--	0 .00	76 1.25	--	40 1.13	--	--	-- 15.0		200		17AF
04/16/75 0835	5001 5050	3	8.7 86	59 F 15 C	7.2	395	--	--	--	--	--	--	--	50 1.41	--	--	-- 13.0		235		15AF
05/01/75 0955	5001 5050	3	9.9 102	63 F 17 C	8.1	549	--	--	--	--	0 .00	105 1.72	--	79 2.23	--	--	-- 12.0		325		12AF

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	O.M. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER B	F SIO2	TDS SUM	TH NCH	TURB SAR
99 D 758.7 122.9					SAN JOAQUIN RIVER AT BUCKLEY COVE															CONTINUED
05/01/75	5050		63	F	7.9	541	--	--	--	--	--	107	--	--	--	--	--			17AF
0956	5050		17	C	7.9							1.75					--			
		35																		
05/15/75	5001		8.9	68	F	8.2	453	--	--	--	--	0	97	--	65	--	--	--	292	13AF
0855	5050		97	20	C							.00	1.59		1.83			12.0		
		3																		
06/03/75	5001		8.5	72	F	8.1	333	--	--	--	--	0	70	--	47	--	--	--	185	17AF
1400	5050		96	22	C							.00	1.15		1.33			9.2		
		3																		
06/17/75	5001		7.5	72	F	7.6	187	--	--	--	--	--	--	--	25	--	--	--	116	18AF
1330	5050		85	22	C										.71			11.0		
		3																		
07/01/75	5001		6.4	73	F	7.5	415	--	--	--	--	0	86	--	66	--	--	--	257	15AF
1305	5050		74	23	C							.00	1.41		1.86			11.0		
		3																		
07/15/75	5001		6.6	75	F	7.7	560	--	--	--	--	0	104	--	94	--	--	--	320	11AF
1200	5050		78	24	C							.00	1.70		2.65			8.2		
		3																		
08/12/75	5001		8.3	78.8F		8.0	426	--	--	--	--	0	97	--	66	--	--	--	238	15AF
1015	5050		101	26.0C								.00	1.59		1.86			2.3		
		3																		
08/25/75	5001		5.3	77	F	7.6	566	--	--	--	--	0	120	--	94	--	--	--	317	12AF
0855	5050		64	25	C							.00	1.97		2.65			2.0		
		3																		
09/11/75	5001		5.0	75	F	8.2	620	--	--	--	--	0	153	--	97	--	--	--	347	12AF
1100	5050		59	24	C							.00	2.51		2.74			9.1		
		3																		
09/26/75	5001		2.5	75	F		512	--	--	--	--	--	--	--	80	--	--	--	296	8AF
1105	5050		29	24	C										2.26			16.0		
		3																		
89 O 758.8 128.5					TURNER CUT AT MCDONALD ISLAND FERRY															
10/01/74	5001		4.5	70	F	7.5	403	--	--	--	--	0	100	--	53	--	--	--		15AF
0925	5050		50	21	C							.00	1.64		1.49			14.6		
		3																		
10/16/74	5001		4.6	64	F	7.6	435	--	--	--	--	0	102	--	64	--	--	--		16AF
0820	5050		48	18	C							.00	1.67		1.80			16.8		
		3																		
11/06/74	5001		7.1	59	F	7.4	360	--	--	--	--	0	72	--	48	--	--	--		13AF
1340	5050		70	15	C							.00	1.18		1.35			14.2		
		3																		
11/18/74	5001		7.0	57	F	7.5	378	--	--	--	--	0	82	--	49	--	--	--		13AF
1150	5050		68	14	C							.00	1.34		1.38			15.2		
		3																		
12/17/74	5001		8.0	52	F		348	--	--	--	--	0	68	--	45	--	--	--		15AF
1040	5050		72	11	C							.00	1.11		1.27			12.8		
		3																		
02/03/75	5001		10.6	48	F	7.2	462	--	--	--	--	0	81	--	66	--	--	--		10AF
1300	5050		91	9	C							.00	1.33		1.86			13.2		
		3																		
89 O 801.1 142.6					BIG BREAK NEAR OAKLEY															
10/09/74	5001		9.4	64	F	7.9	166	--	--	--	--	0	62	--	14	--	--	--	92	15AF
1205	5050		99	18	C							.00	1.02		.39			14.2		
		3																		
10/23/74	5001		9.0	64	F	7.8	142	--	--	--	--	0	54	--	9.9	--	--	--	94	11AF
1140	5050		95	18	C							.00	.89		.28			15.2		
		3																		
11/21/74	5001		9.2	55	F	7.8	182	--	--	--	--	0	58	--	16	--	--	--	108	11AF
1200	5050		87	13	C							.00	.95		.45			16.4		
		3																		
12/11/74	5001		9.9	50	F	7.2	177	--	--	--	--	0	100	--	15	--	--	--	114	11AF
1535	5050		87	10	C							.00	1.64		.42			--		
		3																		
01/08/75	5001		11.3	46	F	7.9	231	--	--	--	--	0	68	--	28	--	--	--	139	15AF
1425	5050		95	8	C							.00	1.11		.79			17.6		
		3																		
02/06/75	5001		11.0	48	F	7.7	219	--	--	--	--	0	74	--	21	--	--	--	140	14AF
1445	5050		95	9	C							.00	1.21		.59			18.4		
		3																		
03/20/75	5001		10.1	52	F	7.8	256	--	--	--	--	0	75	--	28	--	--	--	160	40AF
1055	5050		91	11	C							.00	1.23		.79			18.2		
		3																		
04/03/75	5001		10.1	54	F	7.9	203	--	--	--	--	0	68	--	17	--	--	--	124	46AF
1145	5050		93	12	C							.00	1.11		.48			15.0		
		3																		
04/23/75	5001		10.3	61	F	8.0	178	--	--	--	--	0	68	--	11	--	--	--	114	20AF
1605	5050		104	16	C							.00	1.11		.31			16.0		
		3																		
05/08/75	5001		11.0	64	F	8.8	143	--	--	--	--	5.0	57	--	6.7	--	--	--	136	16AF
1625	5050		116	18	C							.17	.93		.19			16.0		
		3																		

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER L48	G.M. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER B	F SIO2	TDS SUM	TH NCM	TURB SAR
89 D 001.1 142.6 810 BREAK NEAR OAKLEY														CONTINUED						
05/22/75 1640	5001 5050	3	10.0 109	68 20	F C	8.4	160	--	--	--	--	1.0 .03	57 .93	--	8.5 .24	--	--	-- 14.0	80	23AF
06/05/75 1700	5001 5050	3	8.4 97	73 23	F C	8.0	173	--	--	--	--	0 .00	64 1.05	--	15 .42	--	--	-- 15.0	96	32AF
06/19/75 1450	5001 5050	3	8.6 94	68 20	F C	7.6	152	--	--	--	--	0 .00	54 .89	--	13 .37	--	--	-- 13.0	85	21AF
07/03/75 1400	5001 5050	3	8.7 97	70 21	F C	7.9	152	--	--	--	--	0 .00	58 .95	--	11 .31	--	--	-- 13.0	90	24AF
07/17/75 1505	5001 5050	3	8.5 98	73 23	F C	7.8	176	--	--	--	--	0 .00	60 .98	--	15 .42	--	--	-- 14.0	103	20AF
08/14/75 1200	5001 5050	3	8.9 99	70 21	F C	8.3	330	--	--	--	--	0 .00	70 1.15	--	53 1.49	--	--	-- 13.0	171	20AF
08/27/75 0920	5001 5050	3	8.3 91	68 20	F C	8.1	350	--	--	--	--	0 .00	70 1.15	--	62 1.75	--	--	-- 15.0	209	20AF
09/03/75 1725	5001 5050	3	9.6 115	77 25	F C	8.3	258	--	--	--	--	0 .00	72 1.18	--	32 .90	--	--	-- 14.0	141	14AF
09/17/75 1635	5001 5050	3	9.1 101	70 21	F C	8.1	243	--	--	--	--	0 .00	82 1.34	--	32 .90	--	--	-- 15.0	138	20AF
89 D 001.2 148.5 SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL																				
10/09/74 1135	5001 5050	3	8.6 92	66 19	F C	7.9	178	--	--	--	--	0 .00	64 1.05	--	17 .48	--	--	-- 13.8	96	17AF
10/23/74 1105	5001 5050	3	8.2 86	64 18	F C	7.7	175	--	--	--	--	0 .00	54 .89	--	19 .54	--	--	-- 14.6	110	19AF
11/21/74 1135	5001 5050	3	8.9 86	57 14	F C	7.8	175	--	--	--	--	0 .00	58 .95	--	17 .48	--	--	-- 16.4	108	15AF
12/11/74 1505	5001 5050	3	9.8 87	50 10	F C	7.5	138	--	--	--	--	0 .00	52 .85	--	10 .28	--	--	-- 16.6	94	25AF
01/08/75 1355	5001 5050	3	11.5 97	46 8	F C	7.8	273	--	--	--	--	0 .00	67 1.10	--	40 1.13	--	--	-- 18.0	156	17AF
02/06/75 1415	5001 5050	3	10.4 90	48 9	F C	7.7	342	--	--	--	--	0 .00	73 1.20	--	57 1.61	--	--	-- 18.4	193	20AF
03/20/75 1025	5001 5050	3	9.7 90	54 12	F C	7.6	222	--	--	--	--	0 .00	73 1.20	--	19 .54	--	--	-- 18.2	132	50AF
04/03/75 1115	5001 5050	3	10.1 93	54 12	F C	7.8	185	--	--	--	--	0 .00	68 1.11	--	15 .42	--	--	-- 16.0	115	54AF
04/23/75 1535	5001 5050	3	9.7 96	59 15	F C	7.9	179	--	--	--	--	0 .00	72 1.18	--	12 .34	--	--	-- 16.0	117	21AF
05/08/75 1555	5001 5050	3	10.1 102	61 16	F C	8.1	166	--	--	--	--	0 .00	62 1.02	--	11 .31	--	--	-- 15.0	104	18AF
05/22/75 1605	5001 5050	3	9.5 100	64 18	F C	8.2	179	--	--	--	--	0 .00	58 .95	--	8.5 .24	--	--	-- 15.0	77	19AF
06/05/75 1425	5001 5050	3	8.7 97	70 21	F C	8.0	167	--	--	--	--	0 00	64 1.05	--	12 .34	--	--	-- 14.0	92	19AF
06/19/75 1420	5001 5050	3	9.3 91	68 20	F C	7.7	157	--	--	--	--	0 .00	56 .92	--	13 .37	--	--	-- 13.0	96	21AF
07/03/75 1335	5001 5050	3	8.8 96	68 20	F C	7.8	169	--	--	--	--	0 .00	58 .95	--	16 .45	--	--	-- 12.0	94	21AF
07/17/75 1430	5001 5050	3	7.6 86	72 22	F C	7.9	426	--	--	--	--	0 .00	64 1.05	--	85 2.40	--	--	-- 13.0	223	19AF
08/14/75 1130	5001 5050	3	8.1 90	70 21	F C	8.1	1150	--	--	--	--	0 .00	72 1.18	--	307 8.66	--	--	-- 15.0	674	29AF
08/27/75 0855	5001 5050	3	7.4 84	72 22	F C	7.9	707	--	--	--	--	0 .00	71 1.16	--	170 4.79	--	--	-- 15.0	396	24AF
09/03/75 1640	5001 5050	3	7.4 84	72 22	F C	7.8	527	--	--	--	--	0 .00	74 1.21	--	108 3.05	--	--	-- 14.0	280	22AF

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	D.H. O DEPTH	OD SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER PERCENT REACTANCE VALUE B	F SIO2	MILLIGRAMS PER LITER TO- SUM	TN NCM	TURB SAR
R9 D 801.2 148.5							SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL									CONTINUED				
09/17/75	5001		8.0	68	F 8.0	409	--	--	--	--	0	84	--	73	--	-- --		212		21AF
1605	5050		87	20	C						.00	1.38		2.06		16.0				
		3																		
89 D 802.6 125.1							DISAPPOINTMENT SLOUGH AT BISHOP CUT													
10/02/74	5001		6.8	68	F 7.2	172	--	--	--	--	0	86	--	13	--	-- --				18AF
0800	5050		74	23	C						.00	1.41		.37		13.8				
		3																		
10/16/74	5001		7.1	63	F 7.2	142	--	--	--	--	0	80	--	11	--	-- --				17AF
0745	5050		73	17	C						.00	1.31		.31		15.4				
		3																		
11/06/74	5001		7.9	59	F 7.3	231	--	--	--	--	0	72	--	24	--	-- --				16AF
1225	5050		78	15	C						.00	1.18		.68		14.2				
		3																		
11/18/74	5001		7.6	57	F 7.4	240	--	--	--	--	0	68	--	27	--	-- --				15AF
1040	5050		73	14	C						.00	1.11		.76		14.2				
		3																		
12/17/74	5001		7.8	50	F 7.4	277	--	--	--	--	0	76	--	35	--	-- --				13AF
1015	5050		69	10	C						.00	1.25		.99		15.4				
		3																		
01/21/75	5001		8.4	46	F 7.2	372	--	--	--	--	0	62	--	45	--	-- --				17AF
1335	5050		71	8	C						.00	1.02		1.27		22.8				
		3																		
02/03/75	5001		10.7	46	F	407	--	--	--	--	--	--	--	55	--	-- --				18AF
1240	5050		90	8	C									1.55		17.4				
		3																		
03/18/75	5001		7.2	52	F 8.1	289	--	--	--	--	0	90	--	35	--	-- --				33AF
0805	5050		65	11	C						.00	1.48		.99		14.4				
		3																		
04/01/75	5001		9.[illegible]	52	F 7.7	365	--	--	--	--	0	101	--	43	--	-- --				31AF
0955	5050		81	11	C						.00	1.66		1.21		9.2				
		3																		
04/18/75	5001		9.9	57	F 7.8	317	--	--	--	--	0	94	--	35	--	-- --				22AF
1020	5050		96	14	C						.00	1.54		.99		14.0				
		3																		
05/01/75	5001		9.7	63	F 7.7	229	--	--	--	--	0	78	--	23	--	-- --				22AF
1005	5050		100	17	C						.00	1.28		.65		13.0				
		3																		
05/15/75	5001		7.7	63	F 7.4	144	--	--	--	--	0	53	--	11	--	-- --				22AF
0830	5050		79	17	C						.00	.87		.31		13.0				
		3																		
06/03/75	5001		7.2	72	F 7.3	185	--	--	--	--	0	63	--	17	--	-- --				23AF
1345	5050		82	22	C						.00	1.03		.48		14.0				
		3																		
06/17/75	5001		6.6	70	F 7.5	215	--	--	--	--	0	71	--	22	--	-- --				22AF
1255	5050		74	21	C						.00	1.16		.62		13.0				
		3																		
07/01/75	5001		6.2	72	F 7.7	234	--	--	--	--	0	81	--	26	--	-- --				28AF
1205	5050		76	22	C						.00	1.33		.73		12.0				
		3																		
07/15/75	5001		5.8	72	F 8.1	237	--	--	--	--	0	79	--	26	--	-- --				28AF
1130	5050		66	22	C						.00	1.29		.73		15.0				
		3																		
08/12/75	5001		7.1	70	F 6.8	260	--	--	--	--	--	--	--	23	--	-- --				18AF
1135	5050		79	21	C									.65		16.0				
		3																		
08/26/75	5001		6.6	75	F 7.4	228	--	--	--	--	--	--	--	22	--	-- --				17AF
0905	5050		78	24	C									.62		18.0				
		3																		
09/11/75	5001		7.1	72	F 7.7	221	--	--	--	--	0	66	--	19	--	-- --				15AF
1035	5050		81	22	C						.00	1.08		.54		15.0				
		3																		
09/25/75	5001		6.3	73	F 7.6	250	--	--	--	--	0	73	--	26	--	-- --				21AF
1020	5050		73	23	C						.00	1.20		.73		16.0				
		3																		
89 D 802.6 136.8							FRANKS TRACT NEAR RUSSOS LANDING													
10/08/74	5001		8.8	64	F 7.9	160	--	--	--	--	0	62	--	11	--	-- --				14AF
1205	5050		92	18	C						.00	1.02		.31		14.0				
		3																		
10/22/74	5001		8.9	64	F 7.7	138	--	--	--	--	0	54	--	9.4	--	-- --				13AF
1235	5050		93	18	C						.00	.89		.27		15.2				
		3																		
11/20/74	5001		9.[illegible]	55	F 7.7	201	--	--	--	--	0	60	--	21	--	-- --				12AF
1120	5050		85	13	C						.00	.98		.59		16.0				
		3																		
12/10/74	5001		9.6	50	F 7.6	202	--	--	--	--	0	58	--	17	--	-- --				10AF
1530	5050		85	10	C						.00	.95		.48		16.2				
		3																		
01/07/75	5001		11.2	45	F 7.6	209	--	--	--	--	0	60	--	17	--	-- --				12AF
1445	5050		92	7	C						.00	.98		.48		17.8				
		3																		

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. O DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER B	F SIO2	TDS SUM	TH NCH	TURB SAR
89 O 802.6 136.8					FRANKS TRACT NEAR RUSSOS LANDING															CONTINUED
02/05/75	5001		11.0	46	F	7.3	211	--	--	--	--	--	--	--	17	--	--	--	--	14AF
1355	5050		93	8	C										.48			18.8		
		3																		
03/19/75	5001			54	F	7.6	263	--	--	--	--	0	73	--	24	--	--	--		32AF
1035	5050			12	C							.00	1.20		.68			18.2		
		3																		
04/02/75	5001		10.1	54	F	7.8	206	--	--	--	--	0	68	--	17	--	--	--		37AF
1055	5050		93	12	C							.00	1.11		.48			16.0		
		3																		
04/22/75	5001		10.0	59	F	7.8	168	--	--	--	--	0	66	--	11	--	--	--		18AF
1605	5050		99	15	C							.00	1.08		.31			17.0		
		3																		
05/07/75	5001		10.5	63	F	8.2	139	--	--	--	--	0	58	--	7.0	--	--	--		17AF
1610	5050		108	17	C							.00	.95		.20			14.0		
		3																		
05/21/75	5001		9.9	64	F	8.2	137	--	--	--	--	0	56	--	9.0	--	--	--		23AF
1525	5050		104	18	C							.00	.92		.25			14.0		
		3																		
06/04/75	5001		10.0	75	F	8.4	167	--	--	--	--	2.0	58	--	13	--	--	--		17AF
1440	5050		118	24	C							.07	.95		.37			12.0		
		3																		
06/18/75	5001		8.6	70	F	7.8	154	--	--	--	--	0	55	--	13	--	--	--		24AF
1410	5050		96	21	C							.00	.90		.37			12.0		
		3																		
07/02/75	5001		8.5	70	F	7.8	146	--	--	--	--	0	57	--	11	--	--	--		24AF
1310	5050		95	21	C							.00	.93		.31			14.0		
		3																		
07/16/75	5001		7.9	72	F	7.9	163	--	--	--	--	0	59	--	11	--	--	--		18AF
1235	5050		90	22	C							.00	.97		.31			16.0		
		3																		
08/13/75	5001		8.4	72	F	8.0	202	--	--	--	--	0	65	--	22	--	--	--		17AF
1120	5050		95	22	C							.00	1.07		.62			14.0		
		3																		
08/26/75	5001		8.3	72	F	8.0	211	--	--	--	--	0	69	--	23	--	--	--		16AF
1000	5050		94	22	C							.00	1.13		.65			14.0		
		3																		
09/02/75	5001		10.2	75	F	8.5	230	--	--	--	--	1.0	72	--	21	--	--	--		11AF
1550	5050		120	24	C							.03	1.18		.59			15.0		
		3																		
09/16/75	5001		9.5	70	F	8.2	204	--	--	--	--	0	82	--	15	--	--	--		11AF
1610	5050		106	21	C							.00	1.34		.42			17.0		
		3																		
89 O 802.6 147.6					SHERMAN LAKE NEAR ANTIOCH															
10/08/74	5001		8.2	66	F	7.8	186	--	--	--	--	0	64	--	17	--	--	--		17AF
1020	5050		88	19	C							.00	1.05		.48			14.0		
		3																		
10/22/74	5001		8.3	64	F	7.6	160	--	--	--	--	0	54	--	14	--	--	--		14AF
1045	5050		87	18	C							.00	.89		.39			--		
		3																		
11/20/74	5001		8.7	57	F	7.7	184	--	--	--	--	0	58	--	17	--	--	--		12AF
0935	5050		84	14	C							.00	.95		.48			15.8		
		3																		
12/10/74	5001		9.5	50	F	7.6	148	--	--	--	--	0	52	--	11	--	--	--		20AF
1325	5050		84	10	C							.00	.85		.31			16.8		
		3																		
01/07/75	5001		12.1	45	F	7.6	235	--	--	--	--	0	60	--	25	--	--	--		14AF
1240	5050		99	7	C							.00	.98		.71			18.4		
		3																		
02/05/75	5001		10.0	48	F	7.2	294	--	--	--	--	--	--	--	47	--	--	--		18AF
1145	5050		93	9	C										1.33			18.4		
		3																		
03/19/75	5001		10.1	52	F	7.6	197	--	--	--	--	0	76	--	11	--	--	--		48AF
0800	5050		91	11	C							.00	1.25		.31			18.6		
		3																		
04/02/75	5001		10.0	52	F	7.7	149	--	--	--	--	0	68	--	6.6	--	--	--		66AF
0835	5050		90	11	C							.00	1.11		.19			19.0		
		3																		
04/22/75	5001		9.5	57	F	7.9	180	--	--	--	--	0	71	--	10	--	--	--		26AF
1340	5050		92	14	C							.00	1.16		.28			16.0		
		3																		
05/07/75	5001		9.7	61	F	7.8	141	--	--	--	--	0	60	--	7.4	--	--	--		23AF
1420	5050		98	16	C							.00	.98		.21			15.0		
		3																		
05/21/75	5001		9.4	63	F	8.1	144	--	--	--	--	0	58	--	8.7	--	--	--		23AF
1335	5050		97	17	C							.00	.95		.25			14.0		
		3																		
06/04/75	5001		8.8	70	F	7.8	150	--	--	--	--	0	66	--	9.4	--	--	--		16AF
1300	5050		98	21	C							.00	1.08		.27			15.0		
		3																		
06/18/75	5001		8.6	68	F	7.8	140	--	--	--	--	0	50	--	9.9	--	--	--		22AF
1220	5050		94	20	C							.00	.82		.28			13.0		
		3																		

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	TDS SUM	TH NCH	TURB SAR
							MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER					
09 D 002.6 147.0					SHERMAN LAKE NEAR ANTIOCH																CONTINUED
07/02/75 1110	5001 5050	3	8.7 95	68 20	F C	8.0	159	--	--	--	--	0 .00	62 1.02	--	13 .37	--	--	-- 14.0			25AF
07/16/75 1050	5001 5050	3	8.0 89	70 21	F C	7.8	425	--	--	--	--	0 .00	81 1.00	--	85 2.40	--	--	-- 14.0			23AF
08/13/75 0930	5001 5050	3	8.2 90	68 20	F C	8.0	870	--	--	--	--	0 .00	67 1.10	--	219 6.18	--	--	-- 16.0			32AF
08/26/75 0720	5001 5050	3	8.1 90	70 21	F C	7.9	832	--	--	--	--	0 .00	71 1.16	--	186 5.25	--	--	-- 15.0			31AF
09/02/75 1400	5001 5050	3	8.0 91	72 22	F C	7.9	498	--	--	--	--	0 .00	74 1.21	--	99 2.79	--	--	-- 10.0			23AF
09/16/75 1410	5001 5050	3	8.3 91	60 20	F C	8.0	416	--	--	--	--	0 .00	85 1.39	--	74 2.09	--	--	-- 16.0			20AF
09 D 802.9 132.0					SAN JOAQUIN RIVER NEAR MOUTH OF MIDDLE RIVER																
10/01/74 0800	5001 5050	3	7.9 86	60 20	F C	7.6	208	--	--	--	--	0 .00	80 1.31	--	20 .56	--	--	-- 13.8			13AF
10/16/74 0700	5001 5050	3	7.8 02	64 10	F C	7.6	101	--	--	--	--	0 .00	56 .92	--	15 .42	--	--	-- 15.0			11AF
11/06/74 1230	5001 5050	3	8.1 80	59 15	F C	7.4	219	--	--	--	--	0 .00	72 1.18	--	24 .68	--	--	-- 12.4			9AF
11/18/74 1030	5001 5050	3	8.2 79	57 14	F C	7.7	210	--	--	--	--	0 .00	60 .98	--	23 .65	--	--	-- 16.0			10AF
12/17/74 0905	5001 5050	3	9.1 80	50 10	F C	7.2	253	--	--	--	--	--	--	--	26 .73	--	--	-- 15.4			10AF
02/03/75 1130	5001 5050	3	11.5 97	46 8	F C	7.3	225	--	--	--	--	0 .00	82 1.34	--	19 .54	--	--	-- 18.8			11AF
09 D 883.1 141.3					SAN JOAQUIN RIVER AT JERSEY POINT																
10/08/74 1145	5001 5050	3	8.6 92	66 19	F C	8.0	155	--	--	--	--	0 .00	64 1.05	--	11 .31	--	--	-- 14.2	96		13AF
10/22/74 1210	5001 5050	3	8.4 88	64 18	F C	7.7	148	--	--	--	--	0 .00	54 .88	--	10 .28	--	--	-- --	94		10AF
11/20/74 1100	5001 5050	3	9.1 86	55 13	F C	7.7	177	--	--	--	--	0 .00	58 .95	--	17 .46	--	--	-- 10.4	108		10AF
12/10/74 1500	5001 5050	3	9.0 87	52 11	F C	7.6	178	--	--	--	--	0 .00	56 .92	--	16 .45	--	--	-- --	110		11AF
01/07/75 1420	5001 5050	3	11.0 96	45 7	F C	7.7	230	--	--	--	--	0 .00	60 .90	--	22 .62	--	--	-- 18.0	136		10AF
02/05/75 1330	5001 5050	3	10.8 91	46 8	F C	7.4	223	--	--	--	--	--	--	--	24 .80	--	--	-- 18.8	138		13AF
03/19/75 1010	5001 5050	3	9.7 86	52 11	F C	7.6	230	--	--	--	--	0 .00	71 1.16	--	18 .51	--	--	-- 10.2	128		52AF
04/02/75 1025	5001 5050	3	10.3 93	52 11	F C	7.7	183	--	--	--	--	0 .00	65 1.07	--	14 .39	--	--	-- 17.0	113		54AF
04/22/75 1540	5001 5050	3	9.8 95	57 14	F C	7.8	171	--	--	--	--	0 .00	67 1.10	--	9.7 .27	--	--	-- 10.0	106		19AF
05/07/75 1550	5001 5050	3	10.0 101	61 16	F C	8.0	143	--	--	--	--	0 .00	59 .97	--	7.4 .21	--	--	-- 14.0	79		16AF
05/21/75 1500	5001 5050	3	9.3 96	63 17	F C	8.0	134	--	--	--	--	0 .00	56 .92	--	7.5 .21	--	--	-- 15.0	92		17AF
06/04/75 1420	5001 5050	3	8.7 97	70 21	F C	7.9	181	--	--	--	--	0 .00	62 1.02	--	11 .31	--	--	-- 13.0	113		10AF
06/18/75 1345	5001 5050	3	8.5 93	68 20	F C	8.0	146	--	--	--	--	0 .00	56 .92	--	24 .68	--	--	-- 13.0	88		19AF
07/02/75 1245	5001 5050	3	8.5 93	68 20	F C	7.8	149	--	--	--	--	0 .00	58 .95	--	11 .31	--	--	-- 15.0	94		19AF

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	Q.M. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
							MINERAL CONSTITUENTS IN				MILLIEQUIVALENTS PER LITER	PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				
89 D 803.1 141.3 SAN JOAQUIN RIVER AT JERSEY POINT																				CONTINUED
07/16/75 1215	5001 5050	3	8.4 95	72 22	F C	7.9	174	--	--	--	--	0 .00	59 .97	--	14 .39	--	--	-- 14.0	100	16AF
08/13/75 1100	5001 5050	3	8.0 91	72 22	F C	8.0	357	--	--	--	--	0 .00	66 1.08	--	63 1.78	--	--	-- 14.0	213	18AF
08/26/75 0935	5001 5050	3	8.2 93	72 22	F C	7.0	342	--	--	--	--	0 .00	68 1.11	--	57 1.61	--	--	-- 13.0	183	17AF
09/02/75 1530	5001 5050	3	8.2 93	72 22	F C	8.0	270	--	--	--	--	0 .00	73 1.20	--	39 1.10	--	--	-- 14.0	150	13AF
09/16/75 1540	5001 5050	3	8.3 91	68 20	F C	8.0	246	--	--	--	--	0 .00	83 1.36	--	24 .68	--	--	-- 16.0	130	12AF
89 D 803.8 149.2 SACRAMENTO RIVER ABOVE POINT SACRAMENTO																				
10/08/74 1000	5001 5050	3	8.2 88	66 19	F C	7.7	175	--	--	--	--	0 .00	62 1.02	--	16 .45	--	--	-- 14.4	104	17AF
10/22/74 1015	5001 5050	3	8.0 84	64 18	F C	7.7	189	--	--	--	--	0 .00	56 .92	--	20 .56	--	--	-- --	117	15AF
11/20/74 0900	5001 5050	3	9.0 85	55 13	F C	7.7	152	--	--	--	--	0 .00	58 .95	--	12 .34	--	--	-- 17.4	108	11AF
12/10/74 1305	5001 5050	3	9.6 87	52 11	F C	7.6	145	--	--	--	--	0 .00	52 .85	--	9.0 .25	--	--	-- 16.6	65	26AF
01/07/75 1215	5001 5050	3	11.0 90	45 7	F C	7.2	344	--	--	--	--	0 .00	52 .85	--	57 1.61	--	--	-- 16.4	196	17AF
02/05/75 1120	5001 5050	3	10.9 92	46 8	F C	7.3	257	--	--	--	--	--	--	--	35 .99	--	--	-- 18.6	150	17AF
03/19/75 0730	5001 5050	3	10.0 90	52 11	F C	7.6	201	--	--	--	--	0 .00	78 1.28	--	12 .34	--	--	-- 16.4	127	46AF
04/02/75 0800	5001 5050	3	9.8 89	52 11	F C	7.9	146	--	--	--	--	0 .00	68 1.11	--	6.6 .19	--	--	-- 18.0	102	64AF
04/22/75 1305	5001 5050	3	9.9 96	57 14	F C	7.9	174	--	--	--	--	0 .00	72 1.18	--	9.7 .27	--	--	-- 20.0	105	23AF
05/07/75 1345	5001 5050	3	9.4 93	59 15	F C	7.8	146	--	--	--	--	0 .00	62 1.02	--	6.5 .18	--	--	-- 14.0	78	22AF
05/21/75 1300	5001 5050	3	9.2 95	63 17	F C	8.0	139	--	--	--	--	0 .00	59 .97	--	6.6 .19	--	--	-- 15.0	86	20AF
06/04/75 1235	5001 5050	3	8.8 96	68 20	F C	7.9	163	--	--	--	--	0 .00	64 1.05	--	11 .31	--	--	-- 13.0	96	16AF
06/18/75 1145	5001 5050	3	8.4 92	68 20	F C	7.8	132	--	--	--	--	0 .00	50 .82	--	9.4 .27	--	--	-- 13.0	86	21AF
07/02/75 1040	5001 5050	3	8.5 93	68 20	F C	7.9	168	--	--	--	--	0 .00	59 .97	--	17 .48	--	--	-- 14.0	106	24AF
07/16/75 1015	5001 5050	3	7.7 86	70 21	F C	7.8	541	--	--	--	--	0 .00	60 .98	--	118 3.33	--	--	-- 12.0	304	23AF
08/13/75 0915	5001 5050	3	8.1 90	70 21	F C	8.0	1750	--	--	--	--	0 .00	68 1.11	--	472 13.31	--	--	-- 15.0	1040	34AF
08/26/75 0650	5001 5050	3	8.2 91	70 21	F C	7.9	912	--	--	--	--	--	--	--	224 6.32	--	--	-- 15.0	514	33AF
09/02/75 1345	5001 5050	3	8.0 91	72 22	F C	7.9	190	--	--	--	--	0 .00	76 1.25	--	42 1.18	--	--	-- 16.0	174	20AF
09/16/75 1420	5001 5050	3	8.7 95	68 20	F C	8.0	354	--	--	--	--	0 .00	84 1.38	--	56 1.58	--	--	-- 16.0	209	19AF
89 D 804.7 134.0 SAN JOAQUIN RIVER AT POTATO POINT																				
10/08/74 1220	5001 5050	3	8.5 89	64 18	F C	7.7	144	--	--	--	--	0 .00	58 .95	--	9.4 .27	--	--	-- 15.0	90	10AF
10/22/74 1250	5001 5050	3	8.2 84	63 17	F C	7.5	132	--	--	--	--	0 .00	52 .85	--	8.0 .23	--	--	-- --	86	9AF

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TM NCM	TURB SAR
89 D 804.7 134.0 SAN JOAQUIN RIVER AT POTATO POINT CONTINUED																				
11/20/74	5001		8.8	55	F 7.6	169	--	--	--	--	0	58	--	15	--	--	--	101		9AF
1140	5050		83	13	C						.00	.95		.42			16.6			
		3																		
12/10/74	5001		9.5	50	F 7.6	171	--	--	--	--	0	54	--	12	--	--	--	102		15AF
1550	5050		84	10	C						.00	.89		.34			--			
		3																		
01/07/75	5001		11.2	45	F 7.6	193	--	--	--	--	0	60	--	14	--	--	--	121		12AF
1510	5050		92	7	C						.00	.98		.39			18.0			
		3																		
02/05/75	5001		11.0	46	F 7.3	186	--	--	--	--	--	--	--	13	--	--	--	110		21AF
1415	5050		93	8	C									.37			18.6			
		3																		
03/19/75	5001		9.5	52	F 7.6	232	--	--	--	--	0	72	--	21	--	--	--	138		33AF
1050	5050		86	11	C						.00	1.18		.59			17.4			
		3																		
04/02/75	5001		10.2	54	F 7.7	143	--	--	--	--	0	61	--	8.0	--	--	--	92		46AF
1125	5050		94	12	C						.00	1.00		.23			16.0			
		3																		
04/22/75	5001		9.9	57	F 7.8	160	--	--	--	--	0	64	--	9.2	--	--	--	101		17AF
1625	5050		96	14	C						.00	1.05		.26			19.0			
		3																		
05/07/75	5001		9.6	59	F 7.7	122	--	--	--	--	0	53	--	4.5	--	--	--	70		14AF
1630	5050		95	15	C						.00	.87		.13			14.0			
		3																		
05/21/75	5001		8.9	63	F 7.8	143	--	--	--	--	0	56	--	11	--	--	--	88		16AF
1540	5050		92	17	C						.00	.92		.31			14.0			
		3																		
06/04/75	5001		8.0	70	F 7.7	161	--	--	--	--	0	58	--	12	--	--	--	97		16AF
1455	5050		89	21	C						.00	.95		.34			13.0			
		3																		
06/18/75	5001		7.9	70	F 7.6	137	--	--	--	--	0	53	--	12	--	--	--	80		17AF
1425	5050		88	21	C						.00	.87		.34			13.0			
		3																		
07/02/75	5001		8.2	72	F 7.7	145	--	--	--	--	0	60	--	9.9	--	--	--	96		17AF
1330	5050		91	21	C						.00	.98		.28			16.0			
		3																		
07/16/75	5001		7.7	73	F 7.7	149	--	--	--	--	0	59	--	9.0	--	--	--	93		13AF
1255	5050		89	23	C						.00	.97		.25			16.0			
		3																		
08/13/75	5001		8.0	72	F 7.9	152	--	--	--	--	0	65	--	9.4	--	--	--	94		16AF
1140	5050		91	22	C						.00	1.07		.27			14.0			
		3																		
08/26/75	5001		7.8	72	F 7.8	169	--	--	--	--	0	84	--	10	--	--	--	101		11AF
1015	5050		89	22	C						.00	1.38		.28			15.0			
		3																		
09/02/75	5001		8.2	72	F 7.8	160	--	--	--	--	0	76	--	9.4	--	--	--	99		11AF
1615	5050		93	22	C						.00	1.25		.27			15.0			
		3																		
09/16/75	5001		8.5	66	F 7.9	188	--	--	--	--	0	84	--	11	--	--	--	98		9AF
1650	5050		93	20	C						.00	1.38		.31			17.0			
		3																		
89 D 805.0 128.1 WHITE SLOUGH AT CORRETA FERRY (SITE)																				
10/02/74	5001		7.8	66	F 7.3	112	--	--	--	--	0	58	--	8.0	--	--	--			10AF
0715	5050		84	19	C						.00	.95		.23			15.2			
		3																		
10/16/74	5001		8.4	61	F 7.1	77	--	--	--	--	0	54	--	5.7	--	--	--			10AF
0705	5050		85	16	C						.00	.89		.16			16.8			
		3																		
11/06/74	5001		8.3	57	F 7.2	112	--	--	--	--	0	52	--	8.0	--	--	--			7AF
1140	5050		86	14	C						.00	.85		.23			15.6			
		3																		
11/18/74	5001		8.7	55	F 7.3	95	--	--	--	--	0	50	--	9.0	--	--	--			8AF
0955	5050		82	13	C						.00	.82		.25			17.6			
		3																		
12/17/74	5001		9.7	48	F 7.3	153	--	--	--	--	0	58	--	13	--	--	--			9AF
0930	5050		84	9	C						.00	.95		.37			18.0			
		3																		
01/21/75	5001		10.[illegible]	46	F 7.3	195	--	--	--	--	0	41	--	17	--	--	--			10AF
1250	5050		84	8	C						.00	.67		.48			21.6			
		3																		
02/03/75	5001		11.2	46	F	200	--	--	--	--	--	--	--	18	--	--	--			15AF
1200	5050		94	8	C									.51			21.6			
		3																		
89 D 805.1 144.3 SACRAMENTO RIVER AT EMMATON																				
10/08/74	5001		8.7	64	F 7.8	148	--	--	--	--	0	60	--	9.5	--	--	--	78		16AF
1040	5050		91	18	C						.00	.98		.27			14.8			
		3																		
10/22/74	5001		8.7	63	F 7.6	135	--	--	--	--	0	52	--	9.0	--	--	--	87		12AF
1110	5050		90	17	C						.00	.85		.25			--			
		3																		

TABLE D-2 (CONTINUED)
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLEP LAB	D.M. O DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TM NCH	TURB SAR
99 D 805.1 144.3 SACRAMENTO RIVER AT EHMATON																				
																	CONTINUED			
11/20/74	5001		9.5	55	F 7.7	141	--	--	--	--	0	56	--	10	--	--	--	91		10AF
0955	5050		90	13	C						.00	.92		.28			17.4			
		3																		
12/10/74	5001		9.6	50	F 7.6	133	--	--	--	--	0	50	--	7.1	--	--	--	81		22AF
1350	5050		85	10	C						.00	.82		.20			16.0			
		3																		
01/07/75	5001		10.8	45	F 7.6	191	--	--	--	--	0	60	--	13	--	--	--	115		15AF
1305	5050		89	7	C						.00	.98		.37			17.4			
		3																		
02/05/75	5001		10.8	46	F 7.3	174	--	--	--	--	--	--	--	11	--	--	--	97		39AF
1220	5050		91	8	C									.31			16.0			
		3																		
03/19/75	5001		10.2	52	F 7.6	189	--	--	--	--	0	74	--	10	--	--	--	109		40AF
0825	5050		92	11	C						.00	1.21		.28			18.0			
		3																		
04/02/75	5001		10.1	52	F 7.8	149	--	--	--	--	0	71	--	6.6	--	--	--	90		66AF
0905	5050		91	11	C						.00	1.16		.19			17.0			
		3																		
04/22/75	5001		9.8	57	F 7.9	172	--	--	--	--	0	73	--	7.8	--	--	--	103		24AF
1415	5050		95	14	C						.00	1.20		.22			15.0			
		3																		
05/07/75	5001		9.6	59	F 7.7	131	--	--	--	--	0	57	--	4.3	--	--	--	62		22AF
1440	5050		95	15	C						.00	.93		.12			14.0			
		3																		
05/21/75	5001		9.2	63	F 7.9	138	--	--	--	--	0	60	--	8.5	--	--	--	96		18AF
1355	5050		95	17	C						.00	.98		.24			16.0			
		3																		
06/04/75	5001		8.6	68	F 7.9	155	--	--	--	--	0	64	--	9.0	--	--	--	92		16AF
1320	5050		94	20	C						.00	1.05		.25			14.0			
		3																		
06/18/75	5001		8.6	68	F 7.7	128	--	--	--	--	0	54	--	6.6	--	--	--	79		17AF
1240	5050		94	20	C						.00	.89		.19			13.0			
		3																		
07/02/75	5001		8.8	66	F 7.9	150	--	--	--	--	0	64	--	10	--	--	--	98		18AF
1135	5050		94	19	C						.00	1.05		.28			15.0			
		3																		
07/16/75	5001		8.2	72	F 8.0	165	--	--	--	--	0	62	--	12	--	--	--	97		17AF
1110	5050		93	22	C						.00	1.02		.34			15.0			
		3																		
08/13/75	5001		8.2	70	F 8.0	238	--	--	--	--	0	66	--	32	--	--	--	140		22AF
0955	5050		91	21	C						.00	1.08		.90			16.0			
		3																		
08/26/75	5001		8.3	70	F 8.0	240	--	--	--	--	0	74	--	28	--	--	--	147		19AF
0750	5050		92	21	C						.00	1.21		.79			15.0			
		3																		
09/02/75	5001		8.5	72	F 7.9	240	--	--	--	--	0	76	--	30	--	--	--	131		16AF
1420	5050		96	22	C						.00	1.25		.85			16.0			
		3																		
09/16/75	5001		8.8	68	F 8.0	236	--	--	--	--	0	86	--	24	--	--	--	139		13AF
1440	5050		96	20	C						.00	1.41		.68			17.0			
		3																		
89 D 805.8 146.1 SAN JOAQUIN RIVER AT TWITCHELL ISLAND																				
10/08/74	5001		8.8	66	F 8.0	151	--	--	--	--	0	60	--	10	--	--	--	88		10AF
1300	5050		94	19	C						.00	.98		.28			14.4			
		3																		
10/22/74	5001		8.7	63	F 7.7	132	--	--	--	--	0	52	--	8.0	--	--	--	84		9AF
1325	5050		90	17	C						.00	.85		.23			--			
		3																		
11/20/74	5001		9.0	55	F 7.7	162	--	--	--	--	0	56	--	12	--	--	--	106		9AF
1225	5050		85	13	C						.00	.92		.34			17.0			
		3																		
12/10/74	5001		9.8	50	F 7.6	154	--	--	--	--	0	52	--	9.4	--	--	--	93		16AF
1650	5050		87	10	C						.00	.85		.27			16.6			
		3																		
01/07/75	5001		11.3	45	F 7.6	185	--	--	--	--	0	60	--	12	--	--	--	122		13AF
1550	5050		93	7	C						.00	.98		.34			17.6			
		3																		
02/05/75	5001		11.0	46	F 7.3	193	--	--	--	--	--	--	--	14	--	--	--	123		21AF
1500	5050		93	8	C									.39			19.2			
		3																		
03/19/75	5001		9.7	52	F 7.6	218	--	--	--	--	0	71	--	17	--	--	--	131		48AF
1125	5050		88	11	C						.00	1.16		.48			18.0			
		3																		
04/02/75	5001		10.2	52	F 7.7	153	--	--	--	--	0	62	--	9.9	--	--	--	98		56AF
1200	5050		92	11	C						.00	1.02		.28			16.0			
		3																		
04/22/75	5001		10.0	57	F 7.9	162	--	--	--	--	0	66	--	9.2	--	--	--	109		18AF
1655	5050		97	14	C						.00	1.08		.26			16.0			
		3																		
05/07/75	5001		9.9	59	F 7.8	134	--	--	--	--	0	56	--	5.9	--	--	--	74		14AF
1700	5050		98	15	C						.00	.92		.17			15.0			
		3																		

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	Q.M. Q DEPTH	DO SAT	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TN NCH	TURB SAR
							MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
89 O 805.8 140.1 SAN JOAQUIN RIVER AT TWITCHELL ISLAND CONTINUED																				
05/21/75 1610	5U01 5U50	3	9.0 93	63 17	F C	7.9	132	--	--	--	--	0 .00	56 .92	--	8.5 .24	--	--	-- 14.0	82	16AF
06/04/75 1520	5U01 5U50	3	8.5 95	70 21	F C	7.8	156	--	--	--	--	0 .00	61 1.00	--	11 .31	--	--	-- 13.0	96	14AF
06/18/75 1500	5U01 5U50	3	8.4 92	68 20	F C	7.4	139	--	--	--	--	0 .00	50 .82	--	11 .31	--	--	-- 14.0	92	17AF
07/02/75 1405	5U01 5U50	3	8.6 94	68 20	F C	7.8	148	--	--	--	--	0 .00	58 .95	--	9.9 .28	--	--	-- 15.0	105	17AF
07/16/75 1400	5U01 5U50	3	8.2 93	72 22	F C	7.9	157	--	--	--	--	0 .00	60 .98	--	10 .28	--	--	-- 15.0	93	14AF
08/13/75 1210	5U01 5U50	3	8.1 92	72 22	F C	7.9	225	--	--	--	--	0 .00	65 1.07	--	28 .79	--	--	-- 15.0	125	16AF
08/26/75 1050	5U01 5U50	3	8.4 95	72 22	F C	7.9	231	--	--	--	--	0 .00	69 1.13	--	27 .76	--	--	-- 16.0	136	16AF
09/02/75 1645	5U01 5U50	3	8.6 98	72 22	F C	7.9	233	--	--	--	--	0 .00	74 1.21	--	28 .79	--	--	-- 14.0	126	14AF
09/16/75 1720	5U01 5U50	3	8.9 97	68 20	F C	8.0	203	--	--	--	--	0 .00	83 1.36	--	16 .45	--	--	-- 16.0	109	10AF
89 O 805.9 135.2 SAN JOAQUIN RIVER NEAR SAN ANDREAS LANDING																				
10/02/74 1000	5U01 5U50	3	8.4 90	66 19	F C	7.5	152	--	--	--	--	0 .00	60 .98	--	10 .28	--	--	-- 15.0	94	12AF
10/08/74 1230	5U01 5U50	3	8.5 89	64 18	F C	7.7	140	--	--	--	--	0 .00	56 .92	--	9.0 .25	--	--	-- 15.0	87	9AF
10/17/74 0950	5U01 5U50	3	8.3 87	64 18	F C	7.5	130	--	--	--	--	0 .00	54 .89	--	9.0 .25	--	--	-- 15.6	90	11AF
10/22/74 1305	5U01 5U50	3	8.9 92	63 17	F C	7.5	127	--	--	--	--	0 .00	52 .85	--	7.1 .20	--	--	-- 16.0	84	10AF
11/07/74 1415	5U01 5U50	3	8.6 63	57 14	F C	7.5	177	--	--	--	--	0 .00	58 .95	--	16 .45	--	--	-- 16.4	112	8AF
11/19/74 1120	5U01 5U50	3	9.3 88	55 13	F C	7.6	156	--	--	--	--	0 .00	56 .92	--	11 .31	--	--	-- 17.2	99	9AF
11/20/74 1200	5U01 5U50	3	9.0 85	55 13	F C	7.6	155	--	--	--	--	0 .00	56 .92	--	12 .34	--	--	-- 16.8	96	8AF
12/10/74 1610	5U01 5U50	3	9.6 85	50 10	F C	7.6	173	--	--	--	--	0 .00	54 .89	--	12 .34	--	--	-- --	105	15AF
01/07/75 1530	5U01 5U50	3	11.0 90	45 7	F C	7.5	191	--	--	--	--	--	--	--	13 .37	--	--	-- 17.8	116	15AF
02/04/75 1325	5U01 5U50	3	11.2 94	46 8	F C	7.9	203	--	--	--	--	0 .00	78 1.28	--	13 .37	--	--	-- 19.0	114	11AF
02/05/75 1440	5U01 5U50	3	11.0 93	46 8	F C	7.2	183	--	--	--	--	--	--	--	11 .31	--	--	-- 18.6	110	15AF
89 D 807.6 129.7 MOKELUMNE RIVER, SOUTH FORK, BELOW SYCAMORE SLOUGH																				
10/02/74 0820	5U01 5U50	3	8.3 89	66 19	F C	7.3	114	--	--	--	--	0 .00	46 .75	--	7.1 .20	--	--	-- 13.8		8AF
10/17/74 0810	5U01 5U50	3	8.3 85	63 17	F C	7.4	106	--	--	--	--	0 .00	46 .75	--	6.6 .19	--	--	-- 15.2		9AF
11/07/74 1245	5U01 5U50	3	9.0 85	55 13	F C	7.4	134	--	--	--	--	0 .00	54 .89	--	7.1 .20	--	--	-- 16.8		8AF
11/19/74 0950	5U01 5U50	3	9.4 89	55 13	F C	7.5	120	--	--	--	--	0 .00	52 .85	--	7.1 .20	--	--	-- 16.2		9AF
02/04/75 1145	5U01 5U50	3	11.2 94	46 8	F C	7.4	176	--	--	--	--	0 .00	80 1.31	--	9.4 .27	--	--	-- 16.0		12AF
03/18/75 0800	5U01 5U50	3	9.9 87	56 10	F C	7.2		--	--	--	--	0 .00	66 1.08	--	15 .42	--	--	-- 17.6		44AF

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	Q.M. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
							MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER		MILLIGRAMS PER LITER		
89 D 807.6 129.7 MOKELUMNE RIVER, SOUTH FORK, BELOW SYCAMORE SLOUGH CONTINUED																				
04/01/75 0810	5001 5050	3	8.9 79	50 10	F C	7.8	122	--	--	--	--	0 .00	57 .93	--	7.1 .20	--	--	-- 17.0		60AF
04/16/75 0730	5001 5050	3	9.6 91	55 13	F C	7.6	137	--	--	--	--	--	--	--	6.3 .18	--	--	-- 17.0		10AF
05/01/75 0840	5001 5050	3	9.6 95	59 15	F C	7.7	106	--	--	--	--	0 .00	49 .80	--	3.6 .10	--	--	-- 15.0		19AF
05/15/75 0720	5001 5050	3	9.0 91	61 16	F C	7.8	110	--	--	--	--	0 .00	56 .92	--	3.9 .11	--	--	-- 16.0		15AF
06/03/75 1245	5001 5050	3	8.2 90	68 20	F C	7.5	83	--	--	--	--	0 .00	34 .56	--	6.1 .17	--	--	-- 13.0		12AF
06/17/75 1210	5001 5050	3	8.2 90	68 20	F C	7.6	107	--	--	--	--	0 .00	48 .79	--	6.6 .19	--	--	-- 14.0		18AF
07/01/75 1150	5001 5050	3	8.2 90	68 20	F C	7.6	140	--	--	--	--	0 .00	56 .92	--	9.4 .27	--	--	-- 14.0		16AF
07/15/75 1035	5001 5050	3	7.7 87	72 22	F C	7.7	150	--	--	--	--	0 .00	60 .98	--	9.0 .25	--	--	-- 16.0		18AF
08/12/75 0905	5001 5050	3	7.8 89	71.6F 22.0C		7.7	143	--	--	--	--	0 .00	64 1.05	--	8.3 .23	--	--	-- 15.0		14AF
08/25/75 0745	5001 5050	3	7.3 83	72 22	F C	7.6	177	--	--	--	--	0 .00	76 1.25	--	10 .28	--	--	-- 16.0		11AF
09/11/75 0955	5001 5050	3	7.8 85	68 20	F C	8.0	182	--	--	--	--	0 .00	85 1.39	--	11 .31	--	--	-- 17.0		10AF
09/26/75 0940	5001 5050	3	7.4 82	70 21	F C		160	--	--	--	--	--	--	--	9.4 .27	--	--	-- 16.0		10AF
89 D 808.5 128.0 SYCAMORE SLOUGH NEAR MOUTH																				
10/02/74 0800	5001 5050	3	7.6 83	68 20	F C	7.5	137	--	--	--	--	0 .00	58 .95	--	9.0 .25	--	--	-- 13.2		8AF
10/17/74 0745	5001 5050	3	8.3 89	66 19	F C	7.6	123	--	--	--	--	0 .00	54 .89	--	8.0 .23	--	--	-- 13.0		11AF
11/07/74 1220	5001 5050	3	8.3 86	57 14	F C	7.6	111	--	--	--	--	0 .00	46 .75	--	7.1 .20	--	--	-- 12.8		10AF
11/19/74 0930	5001 5050	3	8.2 78	55 13	F C	7.5	110	--	--	--	--	0 .00	46 .75	--	6.6 .19	--	--	-- 14.2		11AF
02/04/75 1120	5001 5050	3	11.5 97	46 6	F C	7.3	177	--	--	--	--	0 .00	73 1.20	--	11 .31	--	--	-- 17.6		12AF
03/18/75 0730	5001 5050	3	8.4 78	54 12	F C	7.5	337	--	--	--	--	0 .00	97 1.59	--	23 .65	--	--	-- 19.4		17AF
04/01/75 0750	5001 5050	3	7.7 70	52 11	F C	7.9	264	--	--	--	--	0 .00	115 1.88	--	21 .59	--	--	-- 20.0		19AF
04/16/75 0705	5001 5050	3	8.4 79	55 13	F C	7.5	209	--	--	--	--	--	--	--	14 .39	--	--	-- 17.0		14AF
05/01/75 0810	5001 5050	3	10.9 110	61 16	F C	8.5	135	--	--	--	--	1.0 .03	56 .92	--	7.3 .21	--	--	-- 9.7		16AF
05/15/75 0650	5001 5050	3	8.8 91	63 17	F C	7.8	93	--	--	--	--	0 .00	41 .67	--	3.9 .11	--	--	-- 11.0		12AF
06/03/75 1215	5001 5050	3	8.8 98	70 21	F C	8.0	85	--	--	--	--	0 .00	36 .59	--	5.7 .16	--	--	-- 7.7		17AF
06/17/75 1145	5001 5050	3	8.6 96	70 21	F C	7.8	90	--	--	--	--	0 .00	41 .67	--	5.2 .15	--	--	-- 10.0		13AF
07/01/75 1125	5001 5050	3	9.2 102	70 21	F C	8.0	100	--	--	--	--	0 .00	43 .70	--	7.1 .20	--	--	-- 8.7		11AF
07/15/75 1005	5001 5050	3	8.2 93	72 22	F C	7.9	125	--	--	--	--	0 .00	50 .82	--	8.0 .23	--	--	-- 8.9		12AF
08/12/75 0845	5001 5050	3	7.2 83	73.4F 23.0C		7.8	126	--	--	--	--	0 .00	56 .92	--	7.5 .21	--	--	-- 13.0		12AF

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. O DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER B	F SIO2	MILLIGRAMS PER LITER TDS SUM	TM NCM	TURB SAR
89 0 808.5 128.0 SYCAMORE SLOUGH NEAR MOUTH														CONTINUED						
08/25/75	5001		7.9	73 F	7.6	134	--	--	--	--	0	61	--	9.4	--	--	--			9AF
0720	5050		91	23 C							.00	1.00		.27			14.0			
		3																		
09/11/75	5001		8.0	72 F	8.0	158	--	--	--	--	0	71	--	9.4	--	--	--			11AF
0930	5050		91	22 C							.00	1.16		.27			15.0			
		3																		
09/26/75	5001		8.5	72 F		155	--	--	--	--	--	--	--	11	--	--	--			10AF
0910	5050		96	22 C										.31			14.0			
		3																		
89 0 808.7 133.4 MOKELUMNE RIVER, NORTH FORK, AT BROAD SLOUGH																				
10/02/74	5001		8.3	64 F	7.4	118	--	--	--	--	0	52	--	6.6	--	--	--			11AF
0850	5050		87	18 C							.00	.85		.19			15.8			
		3																		
10/17/74	5001		8.9	63 F	7.5	114	--	--	--	--	0	52	--	6.1	--	--	--			11AF
0840	5050		92	17 C							.00	.85		.17			16.4			
		3																		
11/07/74	5001		9.4	55 F	7.5	118	--	--	--	--	0	68	--	4.7	--	--	--			9AF
1310	5050		89	13 C							.00	1.11		.13			17.4			
		3																		
11/19/74	5001		9.7	54 F	7.7	113	--	--	--	--	0	52	--	4.2	--	--	--			9AF
1020	5050		90	12 C							.00	.85		.12			18.2			
		3																		
02/04/75	5001		10.6	46 F	7.6	195	--	--	--	--	0	71	--	13	--	--	--			80AF
1220	5050		89	8 C							.00	1.16		.37			15.4			
		3																		
89 0 809.0 135.8 GEORGIANA SLOUGH NEAR ISLETON																				
10/02/74	5001		8.5	64 F	7.4	121	--	--	--	--	0	54	--	5.7	--	--	--			14AF
0920	5050		89	18 C							.00	.89		.16			16.0			
		3																		
10/17/74	5001		8.3	63 F	7.5	109	--	--	--	--	0	52	--	4.7	--	--	--			10AF
0910	5050		85	17 C							.00	.85		.13			16.4			
		3																		
11/07/74	5001		9.5	55 F	7.5	117	--	--	--	--	0	54	--	5.2	--	--	--			8AF
1335	5050		90	13 C							.00	.89		.15			17.4			
		3																		
11/19/74	5001		9.7	55 F	7.7	113	--	--	--	--	0	52	--	4.7	--	--	--			10AF
1045	5050		92	13 C							.00	.85		.13			18.2			
		3																		
02/04/75	5001		10.5	46 F	7.7	148	--	--	--	--	0	57	--	8.0	--	--	--			132AF
1250	5050		88	8 C							.00	.93		.23			14.8			
		3																		
89 0 809.4 141.0 SACRAMENTO RIVER BELOW RIO VISTA BRIDGE																				
10/08/74	5001		8.8	63 F	7.9	117	--	--	--	--	0	52	--	6.6	--	--	--	75		10AF
1100	5050		91	17 C							.00	.85		.19			15.4			
		3																		
10/22/74	5001		8.9	61 F	7.6	118	--	--	--	--	0	50	--	5.7	--	--	--	84		8AF
1135	5050		90	16 C							.00	.82		.16			--			
		3																		
11/20/74	5001		9.5	55 F	7.7	122	--	--	--	--	0	54	--	6.6	--	--	--	85		7AF
1025	5050		90	13 C							.00	.89		.19			17.6			
		3																		
12/10/74	5001		9.7	50 F	7.6	141	--	--	--	--	0	54	--	7.1	--	--	--	83		21AF
1420	5050		86	10 C							.00	.89		.20			16.4			
		3																		
01/07/75	5001		11.4	45 F	7.6	170	--	--	--	--	0	62	--	9.4	--	--	--	109		10AF
1330	5050		94	7 C							.00	1.02		.27			18.4			
		3																		
02/05/75	5001		10.4	46 F	7.1	157	--	--	--	--	--	--	--	11	--	--	--	92		644AF
1245	5050		88	8 C										.31			15.6			
		3																		
03/19/75	5001		10.4	50 F	7.6	164	--	--	--	--	0	69	--	8.0	--	--	--	97		46AF
0850	5050		92	10 C							.00	1.13		.23			19.2			
		3																		
04/02/75	5001		10.0	52 F	7.8	137	--	--	--	--	0	67	--	4.7	--	--	--	88		70AF
0935	5050		90	11 C							.00	1.10		.13			20.0			
		3																		
04/22/75	5001		9.8	57 F	7.9	182	--	--	--	--	0	79	--	8.2	--	--	--	112		20AF
1450	5050		95	14 C							.00	1.29		.23			16.0			
		3																		
05/07/75	5001		9.5	59 F	7.7	130	--	--	--	--	0	57	--	3.6	--	--	--	70		18AF
1505	5050		94	15 C							.00	.93		.10			15.0			
		3																		
05/21/75	5001		8.9	63 F	7.8	165	--	--	--	--	0	67	--	9.0	--	--	--	102		19AF
1425	5050		92	17 C							.00	1.10		.25			16.0			
		3																		
06/04/75	5001		8.5	70 F	7.8	140	--	--	--	--	0	61	--	6.1	--	--	--	87		8AF
1340	5050		95	21 C							.00	1.00		.17			14.0			
		3																		
06/18/75	5001		8.5	68 F	7.7	120	--	--	--	--	0	54	--	7.5	--	--	--	76		12AF
1305	5050		93	20 C							.00	.89		.21			15.0			
		3																		

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. O DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER B	F SIO2	MILLIGRAMS PER LITER TDS SUM	TH NCH	TURB SAP
89 O 809.4 141.0 SACRAMENTO RIVER BELOW RIO VISTA BRIDGE CONTINUED																				
07/02/75 1200	5J01 5J50	3	8.7 95	68 21	F C	7.8	150	--	--	--	--	0 .00	66 1.08	--	9.0 .25	--	-- 17.0	--	86	14AF
07/16/75 1135	5J01 5J50	3	8.3 94	72 22	F C	7.8	152	--	--	--	--	0 .00	63 1.03	--	7.1 .20	--	-- 16.0	--	92	12AF
08/13/75 1020	5J01 5J50	3	8.4 94	70 21	F C	7.9	149	--	--	--	--	0 .00	65 1.07	--	8.6 .24	--	-- 17.0	--	93	14AF
08/26/75 0830	5J01 5J50	3	8.0 91	72 22	F C	7.8	169	--	--	--	--	0 .00	78 1.28	--	8.5 .24	--	-- 16.0	--	102	11AF
09/02/75 1450	5J01 5J50	3	8.5 95	70 21	F C	7.9	198	--	--	--	--	0 .00	78 1.28	--	13 .37	--	-- 16.0	--	116	11AF
09/16/75 1505	5J01 5J50	3	8.5 93	68 20	F C	7.9	197	--	--	--	--	0 .00	87 1.43	--	10 .28	--	-- 16.0	--	106	8AF
89 O 814.5 133.2 SACRAMENTO RIVER NEAR RYDE																				
10/03/74 0740	5J01 5J50	3	8.2 84	63 17	F C	7.4	102	--	--	--	--	0 .00	52 .85	--	4.7 .13	--	-- 15.8	--		9AF
10/17/74 0730	5J01 5J50	3	8.8 89	61 16	F C	7.4	100	--	--	--	--	0 .00	50 .82	--	5.7 .16	--	-- 16.8	--		8AF
11/07/74 1245	5J01 5J50	3	9.7 92	55 13	F C	7.1	110	--	--	--	--	0 .00	68 1.11	--	4.7 .13	--	-- 19.0	--		8AF
11/19/74 1035	5J01 5J50	3	10.7 95	55 13	F C	7.3	110	--	--	--	--	0 .00	54 .89	--	5.2 .15	--	-- 18.6	--		7AF
12/18/74 1000	5J01 5J50	3	10.6 94	50 10	F C	7.5	119	--	--	--	--	0 .00	62 1.02	--	4.4 .12	--	-- 19.8	--		7AF
01/22/75 1310	5J01 5J50	3	10.8 91	46 6	F C	7.5	160	--	--	--	--	0 .00	69 1.13	--	8.5 .24	--	-- 19.4	--		8AF
02/04/75 1235	5J01 5J50	3	10.5 88	46 8	F C	7.5	116	--	--	--	--	0 .00	52 .85	--	6.6 .19	--	-- 16.0	--		140AF
89 O 815.3 126.3 MOKELUMNE RIVER NEAR THORNTON																				
10/02/74 0625	5J01 5J50	3	8.5 89	64 18	F C	7.1	41	--	--	--	--	0 .00	40 .66	--	3.3 .09	--	-- 11.6	--	38	2AF
10/16/74 0615	5J01 5J50	3	9.2 91	59 15	F C	6.7	38	--	--	--	--	0 .00	22 .36	--	3.3 .09	--	-- 14.4	--	26	3AF
11/06/74 1050	5J01 5J50	3	11.4 115	57 14	F C	6.7	35	--	--	--	--	0 .00	16 .26	--	1.9 .05	--	-- 12.2	--	44	4AF
11/18/74 0900	5J01 5J50	3	8.8 83	55 13	F C	7.1	42	--	--	--	--	0 .00	22 .36	--	1.9 .05	--	-- 12.8	--	41	5AF
12/17/74 0835	5J01 5J50	3	10.5 91	46 9	F C	7.2	81	--	--	--	--	0 .00	38 .62	--	3.3 .09	--	-- 13.2	--	62	3AF
01/21/75 1150	5J01 5J50	3	11.1 93	46 8	F C	7.1	99	--	--	--	--	0 .00	37 .61	--	5.2 .15	--	-- 15.0	--	65	6AF
02/03/75 1045	5J01 5J50	3	10.3 87	45 8	F C		148	--	--	--	--	--	--	--	7.1 .20	--	-- 10.6	--	98	264AF
03/18/75 1305	5J01 5J50	3	10.3 95	54 12	F C	7.3	130	--	--	--	--	0 .00	57 .93	--	3.8 .11	--	-- 16.2	--	80	27AF
04/01/75 1440	5J01 5J50	3	10.4 96	54 12	F C	7.3	84	--	--	--	--	0 .00	37 .61	--	3.3 .09	--	-- 16.0	--	60	15AF
04/18/75 0920	5J01 5J50	3	10.4 94	52 11	F C	7.2	66	--	--	--	--	0 .00	36 .59	--	1.9 .05	--	-- 11.0	--	37	6AF
05/01/75 0900	5J01 5J50	3	10.7 95	55 13	F C	7.1	49	--	--	--	--	0 .00	22 .36	--	.8 .02	--	-- 11.0	--	49	4AF
05/15/75 0730	5J01 5J50	3	9.4 93	59 15	F C	6.8	57	--	--	--	--	0 .00	29 .48	--	.3 .01	--	-- 10.0	--	47	11AF
06/03/75 1250	5J01 5J50	3	8.6 92	66 19	F C	7.0	48	--	--	--	--	0 .00	21 .34	--	1.9 .05	--	-- 12.0	--	36	12AF

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. O DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER B	F	SIO2	TDS SUM	TM NCM	TURB SAR
89 0 815.3 126.3 MOKELUMNE RIVER NEAR THORNTON CONTINUED																					
06/17/75	5001		9.2	64 F	7.1	49	--	--	--	--	0	20	--	2.8	--	--	--		36		5AF
1150	5050		97	18 C							.00	.33		.08			10.0				
		3																			
07/01/75	5001		9.1	63 F	7.3	51	--	--	--	--	0	22	--	1.9	--	--	--		40		3AF
1105	5050		94	17 C							.00	.36		.05			11.0				
		3																			
07/15/75	5001		7.9	68 F	7.3	57	--	--	--	--	0	27	--	1.9	--	--	--		39		7AF
1025	5050		86	20 C							.00	.44		.05			12.0				
		3																			
08/12/75	5001		8.8	69.8F	6.3	51	--	--	--	--	--	--	--	2.8	--	--	--		36		5AF
0905	5050		98	21.0C										.08			10.0				
		3																			
08/26/75	5001		8.7	68 F	7.1	58	--	--	--	--	--	--	--	2.8	--	--	--		40		5AF
1435	5050		95	20 C										.08			11.0				
		3																			
09/11/75	5001		9.2	64 F	7.2	48	--	--	--	--	0	18	--	3.8	--	--	--		36		4AF
0915	5050		97	18 C							.00	.30		.11			12.0				
		3																			
09/25/75	5001		9.5	63 F	6.9	51	--	--	--	--	0	16	--	3.8	--	--	--		33		3AF
0910	5050		98	17 C							.00	.26		.11			11.0				
89 0 820.7 132.7 SACRAMENTO RIVER AT GREENES LANDING																					
10/03/74	5001		8.5	63 F	7.2	105	--	--	--	--	0	58	--	4.7	--	--	--		78		7AF
0650	5050		87	17 C							.00	.95		.13			15.8				
		3																			
10/17/74	5001		9.1	61 F	7.2	102	--	--	--	--	0	60	--	5.2	--	--	--		71		8AF
0655	5050		92	16 C							.00	.98		.15			17.0				
		3																			
11/07/74	5001		9.5	55 F	6.9	119	--	--	--	--	0	60	--	6.1	--	--	--		88		8AF
1200	5050		90	13 C							.00	.98		.17			18.2				
		3																			
11/19/74	5001		9.7	55 F	6.9	100	--	--	--	--	0	42	--	4.2	--	--	--		76		9AF
0955	5050		92	13 C							.00	.69		.12			18.8				
		3																			
12/18/74	5001		10.4	48 F	7.4	122	--	--	--	--	0	70	--	4.7	--	--	--		90		8AF
0915	5050		90	9 C							.00	1.15		.13			20.4				
		3																			
12/18/74	5050		10.5	50 F	7.3	125	10	6.3	8.6	--	0	66	7.9	3.4	.7	.10	.1		110	51	
1300	5050		93	10 C	7.9	141	.50	.52	.37		.00	1.08	.16	.10	.01		--		69	0	0.5
							36	37	27			80	12	7	1						
01/15/75	5050		11.0	47 F	7.2	132	12	6.1	9.0	--	0	67	9.2	6.3	.8	.10	.1		100	55	
1345	5050		93	8 C	7.9	147	.60	.50	.39		.00	1.10	.19	.18	.01		--		76	0	0.5
							40	34	26			74	13	12	1						
01/22/75	5001		10.8	46 F	7.5	202	--	--	--	--	0	79	--	12	--	--	--		120		8AF
1225	5050		91	8 C							.00	1.29		.34			19.0				
		3																			
02/04/75	5001		10.8	46 F	7.4	107	--	--	--	--	0	53	--	6.1	--	--	--		62		70AF
1145	5050		91	8 C							.00	.87		.17			12.2				
		3																			
02/19/75	5050		10.8	47.5F	7.2	126	11	6.2	7.2	--	0	64	10	5.9	.9	.00	.0		94	53	67A
1220	5050		92	8.6C	7.7	141	.55	.51	.31		.00	1.05	.21	.17	.01		--		73	1	0.4
							40	37	23			73	15	12	1						
03/18/75	5001		10.6	55 F	7.6	161	--	--	--	--	0	67	--	5.7	--	--	--		85		52AF
1345	5050		100	13 C							.00	1.10		.16			18.8				
		3																			
03/19/75	5050		10.6	51 F	7.4	133	12	6.6	7.3	--	0	70	7.7	5.4	--	.10	.0		87	57	
1100	5050		95	11 C	7.6	147	.60	.54	.32		.00	1.15	.16	.15			--		74	0	0.4
							41	37	22			79	11	10							
04/01/75	5001		10.5	54 F	7.5	133	--	--	--	--	0	60	--	4.7	--	--	--		94		80AF
1525	5050		97	12 C							.00	.98		.13			21.0				
		3																			
04/16/75	5050		10.7	55 F	7.3	133	11	6.4	8.2	--	0	64	9.9	5.0	.6	.00	.1		91	54	13A
1200	5050		94	13 C	7.8	143	.55	.53	.36		.00	1.05	.21	.14	.01		--		73	2	0.5
							38	37	25			74	15	10	1						
04/18/75	5001		10.5	54 F	7.3	139	--	--	--	--	0	62	--	4.4	--	--	--		81		33AF
1655	5050		97	12 C							.00	1.02		.12			19.0				
		3																			
05/01/75	5001		10.1	57 F	7.5	117	--	--	--	--	0	54	--	3.1	--	--	--		84		18AF
0900	5050		98	14 C							.00	.89		.09			15.0				
		3																			
05/15/75	5001		9.7	61 F	7.6	125	--	--	--	--	0	55	--	2.9	--	--	--		84		14AF
1450	5050		98	16 C							.00	.90		.08			15.0				
		3																			
05/21/75	5050		9.1	61.0F	7.4	122	10	5.4	8.8	--	0	58	9.7	5.8	--	.00	.1		71	47	20A
1200	5050		92	16.1C	7.7	132	.50	.44	.38		.00	.95	.20	.16			--		68	0	0.6
							38	33	29			73	15	12							
06/03/75	5001		8.7	66 F	7.5	142	--	--	--	--	0	56	--	6.1	--	--	--		77		9AF
1105	5050		93	19 C							.00	.92		.17			14.0				
		3																			
06/17/75	5001		8.8	66 F	7.6	110	--	--	--	--	0	52	--	4.2	--	--	--		71		9AF
1010	5050		94	19 C							.00	.85		.12			16.0				
		3																			

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. O DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	TDS SUM	TH NCH	TURB SAR
89 D 820.7 132.7 SACRAMENTO RIVER AT GREENES LANDING CONTINUED																					
06/18/75	5050		9.1	67.0F	7.4	106	8.6	4.5	6.9	--	0	51	2.8	4.7	--	.00	.1		69	40	6A
1245	5050		98	19.4C	7.8	108	.43	.37	.30		.00	.84	.06	.13			--		53	0	0.5
							39	34	27			82	6	13							
07/01/75	5001		8.4	66 F	7.8	152	--	--	--	--	0	68	--	6.6	--	--	--		96		10AF
0955	5050		90	19 C							.00	1.11		.19			17.0				
		3																			
07/15/75	5001		8.1	70 F	7.8	138	--	--	--	--	0	89	--	5.2	--	--	--		86		9AF
0915	5050		90	21 C							.00	1.46		.15			15.0				
		3																			
07/16/75	5050		9.6	71 F	7.5	117	9.7	5.4	7.2	--	0	60	7.9	5.0	--	.10	.1		101	46	5A
1230	5050		108	22 C	7.8	127	.48	.44	.31		.00	.98	.16	.14			--		65	0	0.5
							39	36	25			77	13	11							
08/12/75	5001		8.8	69.8F	6.8	146	--	--	--	--	--	--	--	6.7	--	--	--		92		8AF
1110	5050		98	21.0C										.19			16.0				
		3																			
08/20/75	5050		8.0	68.0F	7.3	144	12	6.8	11	--	0	76	9.0	7.2	.4	.10	.1		90	58	9A
1200	5050		87	20.0C	7.6	168	.60	.56	.48		.00	1.25	.19	.20	.01		--		84	0	0.6
							37	34	29			76	12	12	1						
08/26/75	5001		8.4	68 F	7.3	164	--	--	--	--	--	--	--	8.5	--	--	--		104		9AF
0650	5050		92	20 C										.24			18.0				
		3																			
09/11/75	5001		7.8	68 F	7.5	187	--	--	--	--	0	68	--	9.4	--	--	--		110		12AF
0805	5050		85	20 C							.00	1.11		.27			18.0				
		3																			
09/17/75	5050		7.6	69 F	7.4	163	11	8.4	12	--	0	80	10	8.2	.5	.00	.1		103	62	8A
1330	5050		84	21 C	7.7	178	.55	.69	.52		.00	1.31	.21	.23	.01		--		89	0	0.7
							31	39	30			74	12	13	1						
09/25/75	5001		7.7	68 F	7.5	124	--	--	--	--	0	55	--	8.5	--	--	--		102		10AF
0815	5050		84	20 C							.00	.90		.24			17.0				
		3																			
03 L 640.8 039.7 EAGLE LAKE NEAR SUSANVILLE																					
10/09/74	5050		8.0	59.0F	9.1	877	--	--	--	--	--	--	--	--	--	--	--				1AF
0935			95	15.0C													--				
12/10/74	5050		6.6	37.4F	9.2	893	--	--	--	--	--	--	--	--	--	--	--				1AF
0940			58	3.0C													--				
04/16/75	5050		9.9	35.6F	9.1		--	--	--	--	--	--	--	--	--	--	--				1AF
0900			85	2.0C													--				
06/04/75	5050		8.3	64.4F	9.0	784	--	--	--	--	--	--	--	--	--	--	--				1AF
0930			105	18.0C													--				
04 L 616.5 027.1 HONEY LAKE NEAR BUNTINGVILLE																					
01/08/75	5050		11.6	41.0F	9.2	4590	--	--	1070	--	154	985	--	623	--	4.60	--			66	98A
1345	5050		104	5.0C	9.2	4500			46.55		5.13	16.14		17.57			--				57.3
									97												
05/07/75	5050		9.2	52.7F	9.1		--	--	940	--	123	949	--	554	--	4.60	--			57	360A
0910	5050		97	11.5C	9.1	4200			40.89		4.10	15.55		15.62			--				54.2
									97												
07/15/75	5050		7.9	64.4F	9.3	5790	--	--	--	--	--	--	--	--	--	--	--				270AF
1150			95	18.0C													--				
09/16/75	5050		8.4	77.0F	9.6	7140	--	--	1700	--	320	1430	--	940	--	7.90	--			51	132A
1210	5050		116	25.0C	9.3	7040			73.95		10.67	23.44		26.51			--				103.6
									99												
04 1590.01 SUSAN RIVER NEAR LITCHFIELD																					
10/09/74	5050		10.5	59.9F	8.1	403	--	--	--	--	--	--	--	--	--	--	--				6AF
1045		38E	121	15.5C													--				
11/06/74	5050		12.3	50.0F	8.3	176	--	--	47	--	0	215	--	8.1	--	.10	--			106	6A
1530	5050	50E	125	10.0C	8.3	402			2.04		.00	3.52		.23			--				2.0
									49												
12/10/74	5050		12.2	39.2F	8.3	352	--	--	--	--	--	--	--	--	--	--	--				6AF
1110		53E	107	4.0C													--				
01/13/75	5050		11.1	42.8F	8.2	395	--	--	46	--	0	216	--	7.5	--	.10	--			109	6A
1510	5050	55E	102	6.0C	8.3	397			2.00		.00	3.54		.21			--				1.9
									48												
02/19/75	5050		10.1	39.2F	8.0	384	--	--	--	--	--	--	--	--	--	--	--				26AF
1215		84E	88	4.0C													--				
03/19/75	5050		10.1	46.4F	7.9	164	--	--	16	--	0	90	--	4.2	--	.00	--			60	250A
1535	5050	564E	98	8.0C	7.8	169			.70		.00	1.48		.12			--				0.9
									37												
04/16/75	5050		9.9	44.6F	8.1	232	--	--	--	--	--	--	--	--	--	--	--				16AF
1130		182E	93	7.0C													--				
05/07/75	5050		9.2	48.2F	7.8		--	--	14	--	0	96	--	3.1	--	.00	--			56	16A
0805	5050	330E	91	9.0C	7.8	172			.61		.00	1.57		.09			--				0.8
									35												

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TOS SUM	TH NCH	TURB SAR
G4 1590.01					SUSAN RIVER NEAR LITCHFIELD															CONTINUED
06/04/75	5050		8.2	62.6F	8.0	122	--	--	--	--	--	--	--	--	--	--	--			20AF
1110		447E	97	17.0C													--			
07/15/75	5050		9.5	66.2F	8.2	454	--	--	--	--	--	--	--	--	--	--	--			4AF
1330		60E	117	19.0C													--			
08/07/75	5050		9.7	64.4F	8.4	448	--	--	--	--	--	--	--	--	--	--	--			5AF
0945		167E	117	18.0C													--			
09/16/75	5050		10.7	74.3F	8.3	491	--	--	60	--	0	258	--	8.9	--	.20	--		125	1A
1345	5050	87E	144	23.5C	8.3	490			2.61		.00	4.23		.25			--			2.3
									51											
G4 1600.00					SUSAN RIVER AT SUSANVILLE															
10/09/74	5050		9.6	50.9F	7.8	169	--	--	--	--	--	--	--	--	--	--	--			1AF
1145		12	99	10.5C													--			
11/06/74	5050	1.42	11.9	42.8F	7.6	159	--	--	--	--	--	--	--	--	--	--	--			2AF
1430		14	110	6.0C													--			
12/10/74	5050	1.48	13.2	35.6F	7.9	164	--	--	--	--	--	--	--	--	--	--	--			2AF
1200		17	110	2.0C													--			
01/13/75	5050	1.59	12.6	33.8F	8.2	157	--	--	--	--	--	--	--	--	--	--	--			2AF
1430		20	102	1.0C													--			
02/19/75	5050		11.6	35.6F	7.9	145	--	--	--	--	--	--	--	--	--	--	--			4AF
1300		40	97	2.0C													--			
03/19/75	5050	3.67	10.2	39.2F	7.2	72	--	--	3.2	--	0	41	--	1.9	--	.00	--		35	50A
1635	5050	390	90	4.0C	7.4	75			.14		.00	.67		.05			--			0.2
									17											
04/16/75	5050	2.63	11.6	39.2F	7.9	103	--	--	--	--	--	--	--	--	--	--	--			1AF
1015		111	102	4.0C													--			
05/07/75	5050	3.38	11.3	36.5F	7.4	85	--	--	--	--	--	--	--	--	--	--	--			5AF
0715		275	95	2.5C													--			
06/04/75	5050	3.85	8.7	59.0F	7.6	59	--	--	--	--	--	--	--	--	--	--	--			7AF
1210		432	100	15.0C													--			
07/15/75	5050	1.96	8.4	62.6F	8.3	89	--	--	--	--	--	--	--	--	--	--	--			10AF
1235		46	100	17.0C													--			
08/07/75	5050	2.40	8.7	62.6F	7.7	63	--	--	2.3	--	0	35	--	2.0	--	.00	--		26	10A
1050	5050	93	104	17.0C	7.5	61			.10		.00	.57		.06			--			0.2
									16											
09/16/75	5050	2.18	8.1	64.4F	8.1	76	--	--	2.8	--	0	45	--	.0	--	.00	--		36	1A
1420	5050	67	99	18.0C	8.3	76			.12		.00	.74		.00			--			0.2
									14											
G6 1705.00					LONG VALLEY CREEK NEAR HALLELUJAH JUNCTION															
11/02/74	5050	2.41	11.2	54.0F	8.4	230	--	--	--	--	--	--	--	--	--	--	--			1AF
1150		36	117	10.0C													--			
01/13/75	5050	2.70	10.5	41.0F	7.8	276	--	--	19	--	0	168	--	3.4	--	.00	--		111	1A
1230	5050	2.4	97	5.0C	8.3	285			.83		.00	2.75		.10			--			0.8
									27											
03/20/75	5050	2.79	11.7	33.8F	6.0	228	--	--	14	--	0	140	--	3.8	--	.10	--		97	15A
0920	5050	7.0	97	1.0C	7.9	234			.61		.00	2.29		.11			--			0.6
									24											
05/07/75	5050	3.16	9.1	53.6F	8.1	185	--	--	9.0	--	0	108	--	.6	--	.00	--		74	13A
1030	5050	34	100	12.0C	8.3	186			.39		.00	1.77		.02			--			0.5
									21											
07/15/75	5050	2.38	8.9	57.2F	8.2	285	--	--	--	--	--	--	--	--	--	--	--			1AF
1015		1.8	101	14.0C													--			
09/16/75	5050	2.28	8.9	68.0F	8.3	284	--	--	--	--	--	--	--	--	--	--	--			1AF
1050		1.6	115	20.0C													--			
G7 L 856.3 000.5					LAKE TAHOE AT TAHOE KEYS PIER (S-3)															
05/14/75	5050		9.5	49.1F	7.4	79	--	--	--	--	--	--	--	1.5	--	--	--			0.48A
1025	5050		104	9.5C		94								.04			--			
		1																		
G7 L 856.3 002.3					LAKE TAHOE AT CAMP RICHARDSON - EDWARDS PIER (S-4A)															
05/14/75	5050		9.5	46.8F	7.4	76	--	--	--	--	--	--	--	1.4	--	--	--			0.16A
0940	5050		101	8.2C		91								.04			--			
		1																		

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	Q.M. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	TURB SAR
G7 L 857.0 959.0 2 LAKE TAHOE AT SURF AND SANDS PIER (S-10)																				
05/14/75 1105	5050 5050	1	9.4 102	48.7F 9.3C	7.4	85 89	--	--	--	--	--	--	--	1.6 .05	--	--	-- --			0.82A
G7 L 857.6 957.1 LAKE TAHOE AT STATELINE - LAKESIDE MARINA PIER (S-13)																				
05/14/75 1220	5050 5050	1	9.8 107	48.9F 9.4C	7.5	90 92	--	--	--	--	--	--	--	2.0 .06	--	--	-- --			0.76A
G7 L 900.0 000.0 LAKE TAHOE - SOUTH CENTER (C-1)																				
05/14/75 1120	5050 5050	1	9.5 103	48.7F 9.3C	7.7	90 94	--	--	--	--	--	--	--	1.6 .05	--	--	-- --			0.38A
G7 L 900.4 956.9 LAKE TAHOE AT ZEPHYR COVE PIER (S-8)																				
05/14/75 1310	5050 5050	1	9.5 104	48.9F 9.4C	7.4	90 93	--	--	--	--	--	--	--	1.4 .04	--	--	-- --			0.48A
G7 L 900.9 006.8 2 LAKE TAHOE AT RUBICON BAY PIER (S-2)																				
05/14/75 0840	5050 5050	1	9.5 100	46.4F 8.0C	7.4	79 93	--	--	--	--	--	--	--	1.6 .05	--	--	-- --			0.58A
G7 L 905.3 956.4 LAKE TAHOE AT GLENBROOK BAY PIER (S-3)																				
05/14/75 1150	5050 5050	1	9.3 103	49.8F 9.9C	7.5	96 102	--	--	--	--	--	--	--	2.4 .07	--	--	-- --			0.81A
G7 L 907.8 009.2 LAKE TAHOE AT WARD CREEK PIER (S-11)																				
05/14/75 0700	5050 5050	1	9.5 97	43.9F 6.6C	7.4	88 94	--	--	--	--	--	--	--	1.5 .04	--	--	-- --			0.21A
G7 L 908.7 000.3 LAKE TAHOE - NORTH CENTER (C-2)																				
05/14/75 0805	5050 5050	1	9.5 101	47.1F 8.4C	7.6	92 94	--	--	--	--	--	--	--	1.6 .05	--	--	-- --			0.37A
G7 L 910.8 007.1 2 LAKE TAHOE AT US COAST GUARD PIER (S-5)																				
05/14/75 0755	5050 5050	1	9.9 101	44.2F 6.6C	7.4	85 88	--	--	--	--	--	--	--	1.5 .04	--	--	-- --			1.10A
G7 L 913.5 004.9 LAKE TAHOE AT CARNELIAN BAY - SIERRA BOAT CO (S-14)																				
05/14/75 0840	5050 5050	1	9.5 102	48.0F 8.9C	7.5	90 95	--	--	--	--	--	--	--	1.7 .05	--	--	-- --			0.61A
G7 L 914.2 002.3 LAKE TAHOE AT KINGS BEACH PIER (S-7)																				
05/14/75 0920	5050 5050	1	9.5 102	47.5F 8.6C	7.5	90 94	--	--	--	--	--	--	--	1.6 .05	--	--	-- --			0.54A
G7 L 914.2 956.6 LAKE TAHOE AT KINGS CASTLE PIER (S-4)																				
05/14/75 1020	5050 5050	1	9.5 103	46.6F 9.2C	7.5	86 94	--	--	--	--	--	--	--	1.4 .04	--	--	-- --			0.53A
G7 1195.00 TRUCKEE RIVER AT FARWAD																				
05/09/75 0830	5050 5050	5.31 2310	9.5 9	42 F 6 C	7.3 7.7	88 88	8.6 .43 49	7.0 .25 28	4.5 .20 23	--	0 .00	45 .74	--	2.5 .07	--	--	-- --	66	34 0	4A 0.3
09/24/75 0830	5050 5050	3.13 655	8.5 98	55 F 13 C	7.4 7.8	80 85	8.6 .43 52	7.6 .21 26	4.2 .18 22	--	0 .00	45 .74	--	1.0 .03	--	--	-- --	62	32 0	0A 0.3
G7 3020.01 BURTON CREEK IN STAW HARBOR (T-6)																				
05/07/75 1040	5050 5050		10.4 97	37.8F 3.2C	7.3	100 99	--	--	--	--	--	--	--	4.8 .14	--	--	-- --			3.5A
G7 3050.01 WARD CREEK NEAR MOUTH (T-5)																				
05/07/75 0937	5050 5050	4.41	10.7 99	37.2F 2.9C	7.3	60 59	--	--	--	--	--	--	--	.0 .00	--	--	-- --			0.87A
G7 3100.01 MADDEN CREEK NEAR MOUTH (T-10)																				
05/07/75 0905	5050 5050	0.78	10.7 97	35.6F 2.1C	7.3	54 58	--	--	--	--	--	--	--	.0 .00	--	--	-- --			0.23A
G7 3230.01 TRUCKEE RIVER NEAR MOUTH (T-8)																				
05/07/75 1050	5050 5050	2.30 8.0	9.9 100	43.3F 6.3C	6.9	80 93	--	--	--	--	--	--	--	3.6 .10	--	--	-- --			4.5A

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. DEPTH	DO SAT	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCN	TURB SAR
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER									MILLIGRAMS PER LITER				
							MILLIEQUIVALENTS PER LITER													
							PERCENT REACTANCE VALUE													
	G7	3253.01				INCLINE CREEK AT INCLINE VILLAGE (T-2)														
05/07/75	5050	1.80	10.0	41.5F	7.2	75	--	--	--	--	--	--	--	3.6	--	--	--			8.5A
1030	5050	12	98	5.3C		84								.10			--			
	G7	3300.01				GENERAL CREEK NEAR WEEKS BAY (T-3)														
05/07/75	5050	0.41	10.8	34.9F	7.3	32	--	--	--	--	--	--	--	.0	--	--	--			0.24A
0825	5050	10	96	1.6C		33								.00			--			
	G7	3571.01				TAYLOR CREEK NEAR CAMP RICHARDSON (T-4)														
05/07/75	5050		10.0	37.8F	7.4	26	--	--	--	--	--	--	--	.0	--	--	--			0.40A
0725	5050	40	93	3.2C		27								.00			--			
	G7	3679.90				EDGEWOOD CREEK AT MOUTH (T-7A)														
05/07/75	5050		11.3	44.1F	8.3	111	--	--	--	--	--	--	--	12	--	--	--			5.5A
0840	5050	8.0	115	6.7C		141								.34			--			
	G7	3680.00				EDGEWOOD CREEK AT HIGHWAY 50 (T-7)														
05/07/75	5050	1.04	10.2	37.9F	7.3	110	--	--	--	--	--	--	--	12	--	--	--			4.0A
0915	5050	8.0	95	3.3C		134								.34			--			
	G7	3705.01				UPPER TRUCKEE RIVER NEAR MOUTH (T-1)														
05/07/75	5050		9.8	34.7F	6.8	55	--	--	--	--	--	--	--	4.1	--	--	--			2.0A
0715	5050	50	87	1.5C		62								.12			--			
	G7	3810.00				TROUT CREEK AT SOUTH LAKE TAHOE (T-9)														
05/07/75	5050	1.68	10.3	35.4F	6.9	50	--	--	--	--	--	--	--	1.1	--	--	--			4.0A
0800	5050	25	92	1.9C		61								.03			--			
	G8	2300.00				CARSON RIVER, WEST FORK, AT WOODFORDS														
05/08/75	5050	1.96	10.4	37 F	7.3	58	6.2	1.6	2.6	--	0	30	--	.4	--	--	--	50	22	0A
0945	5050	141	94	3 C	7.2	56	.31	.13	.11		.00	.49		.01			--		0	0.2
							56	24	20											
09/23/75	5050	0.94	8.5	50 F	7.5	74	8.4	2.2	3.8	--	0	44	--	.0	--	--	--	70	30	0A
0920	5050	22	92	10 C	7.4	78	.42	.19	.17		.00	.72		.00			--		0	0.3
							55	23	22											
	G8	3420.20				CARSON RIVER, EAST FORK, AT HIGHWAY 4														
05/08/75	5050		10.1	0 F	7.7	121	12	3.9	7.9	--	0	62	--	1.2	--	--	--	86	46	7A
1045	5050		40	18 C	7.6	125	.60	.32	.34		.00	1.02		.03			--		0	0.5
							48	25	27											
09/23/75	5050		8.8	53 F	7.8	107	17	3.2	7.0	--	0	63	--	1.0	--	--	--	89	43	0A
0945	5050	80E	98	12 C	7.5	119	.60	.26	.30		.00	1.03		.03			--		0	0.5
							52	22	26											
	G9	2460.00				WEST WALKER RIVER BELOW LITTLE WALKER RIVER														
05/08/75	5050	2.10	8.7	52 F	8.3	180	17	3.8	15	--	0	90	--	5.2	--	--	--	119	58	1A
1345	5050	260	100	11 C	8.2	182	.85	.31	.65		.00	1.48		.15			--		0	0.9
							47	17	36											
09/23/75	5050	1.22	8.8	56 F	8.0	164	17	4.3	12	--	0	91	--	1.5	--	--	--	112	60	5A
1130	5050	86	107	13 C	7.6	175	.85	.35	.52		.00	1.49		.04			--		0	0.7
							49	20	30											
	G9	3200.00				EAST WALKER RIVER NEAR BRIDGEPORT														
05/08/75	5050	2.04	9.2	48 F	8.1	225	22	5.1	17	--	0	116	--	3.5	--	--	--	151	76	3A
1500	5050	300	100	9 C	8.2	227	1.10	.42	.74		.00	1.90		.10			--		0	0.8
							49	19	33											
09/23/75	5050	1.19	6.3	62 F	7.5	183	23	4.5	10	--	0	109	--	.0	--	--	--	138	76	21A
1215	5050	115	81	17 C	7.6	199	1.15	.37	.44		.00	1.79		.00			--		0	0.5
							59	19	22											

TABLE D-3

MINOR ELEMENT ANALYSIS OF SURFACE WATER

Sampler and Lab Agency Codes

2163 - California Department of Water Resources for SWRCB

5001 - U. S. Bureau of Reclamation

5050 - California Department of Water Resources

Abbreviations

TIME	-	Pacific Standard Time on a 24-hour clock
DISCH	-	Instantaneous discharge in cubic feet per second
EC	-	Electrical Conductance in micromhos at 25° Celsius
TEMP	-	Water temperature at time of sampling in degrees Fahrenheit (F) and Celsius (C)
PH	-	Measure of acidity (<7) or alkalinity (>7) of water
CHROM (ALL)	-	All chromium
CHROM (HEX)	-	Hexavelent chromium
D	-	Dissolved
T	-	Total

TABLE D-3 (CONTINUED)
MINOR ELEMENT ANALYSIS OF SURFACE WATER

CONSTITUENTS IN MILLIGRAMS PER LITER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ARSENIC	BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
	AO	2230.02		SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN							
04/23/75	5030			15.0C		--	--	0.01 T	0.00 T	--	--
1315	5030			8.0	--	0.00 T	--	2.3 T	0.04 T	--	0.02 T
	AO	2785.00		SACRAMENTO RIVER AT BEND BRIDGE							
05/21/75	5030			12.0C		--	--	0.01 T	0.00 T	--	--
1320	5030			7.4	--	0.00 T	--	0.49 T	0.01 T	--	0.04 T
	AO	2933.00		R-D 108 DRAINAGE TO SACRAMENTO RIVER							
04/23/75	5030			16.0C		--	--	0.01 T	0.00 T	--	--
1200	5030			8.4	--	0.00 T	--	2.9 T	0.20 T	--	0.02 T
	AO	2947.10		COLUSA BASIN DRAIN NEAR KNIGHTS LANDING							
04/23/75	5030			16.0C		--	--	0.07 T	0.01 T	--	--
1045	5030			8.2	--	0.00 T	--	9.0 T	0.19 T	--	0.02 T
	AO	2950.00		R-D 787 DRAINAGE TO COLUSA BASIN DRAIN							
04/23/75	5030			16.0C		--	--	0.01 T	0.01 T	--	--
1025	5030			8.3	--	0.00 T	--	1.8 T	0.17 T	--	0.01 T
	AO	2955.00		R-D 787 DRAINAGE TO SACRAMENTO RIVER							
04/23/75	5030			16.0C		--	--	0.01 T	0.01 T	--	--
1230	5030			8.0	--	0.00 T	--	2.6 T	0.44 T	--	0.01 T
	AO	2965.00		R-D 70 DRAINAGE TO SACRAMENTO RIVER							
04/23/75	5030			15.0C		--	--	0.01 T	0.00 T	--	--
1130	5030			8.0	--	0.00 T	--	4.2 T	0.16 T	--	0.02 T
	AO	2972.00		HUTTE SLOUGH NEAR MERIDIAN							
04/23/75	5030			15.0C		--	--	0.01 T	0.00 T	--	--
1045	5030			7.4	--	0.00 T	--	3.7 T	0.19 T	--	0.01 T
	AO	2976.00		COLUSA BASIN DRAIN AT HIGHWAY 20							
04/23/75	5030			14.0C		--	--	0.01 T	0.01 T	--	--
0905	5030			8.0	--	0.00 T	--	3.4 T	0.16 T	--	0.02 T
	AO	3520.50		COTTONWOOD CREEK AT COTTONWOOD							
04/21/75	5030			13.0C		--	--	0.00 T	0.00 T	--	--
0915	5030			7.9	--	0.00 T	--	0.52 T	0.02 T	--	0.01 T
	AO	4321.01		DEER CREEK AT HIGHWAY 99E							
04/22/75	5030			14.0C		--	--	0.00 T	0.00 T	--	--
1245	5030			7.8	--	0.00 T	--	0.06 T	0.01 T	--	0.00 T
	AO	4420.50		MILL CREEK NEAR MOUTH NEAR LOS MOLINOS							
05/02/75	5030			14.0C		--	--	0.00 T	0.00 T	--	--
1210	5030			7.6	--	0.00 T	--	0.13 T	0.01 T	--	0.01 T
	AO	7140.10		AMERICAN RIVER AT SACRAMENTO WATER PLANT							
02/04/75	2103	1836	48 F			--	--	--	--	--	--
1020	5030	57	7.0	--		--	--	0.74 T	--	--	--
02/18/75	2103		47 F			--	0.00 T	0.00 T	0.00 T	0.0000 T	--
1030	5030	51	7.1	0.00 T		0.00 T	--	0.20 T	0.02 T	--	0.01 T
03/04/75	2103	4306	49 F			--	--	--	--	--	--
0900	5030	60	7.1	--		--	--	0.39 T	--	--	--
03/18/75	5030	6028	49 F			--	0.00 T	0.02 T	0.01 T	--	--
0830	5030	62	7.1	0.00 T		0.00 T	--	0.28 T	0.01 T	--	0.04 T
04/08/75	2103	8403	48.5F			--	--	--	--	--	--
0845	5030	62	7.2	--		--	--	0.37 T	--	--	--
04/22/75	2103	4594	51.5F			--	0.00 T	0.00 T	0.00 T	0.0000 T	--
0815	5030	66	7.1	0.00 T		0.00 T	--	0.21 T	0.01 T	--	0.00 T
05/06/75	2103	4718	54.0F			--	--	--	--	--	--
0910	5030	69	7.2	--		--	--	0.18 T	--	--	--
05/20/75	2103	4590	54.0F			--	0.00 T	0.03 T	0.01 T	--	--
0850	5030	59	7.2	0.00 T		0.00 T	--	0.20 T	0.01 T	--	0.03 T
06/10/75	2103	4619	61.0F			--	--	--	--	--	--
0915	5030	52	7.1	--		--	--	0.18 T	--	--	--
06/24/75	2103	2892	58 F			--	0.00 T	0.02 T	0.01 T	0.0001 T	--
0900	5030	48	7.1	0.00 T		0.00 T	--	0.14 T	0.01 T	--	0.04 T
07/08/75	2103	2892	61.0F			--	--	--	--	--	--
0845	5030	48	7.0	--		--	--	0.13 T	--	--	--
07/22/75	2103	2892	63.0F			--	0.00 T	0.00 T	0.00 T	--	--
0930	5030	48	7.0	0.00 T		0.00 T	--	0.09 T	0.01 T	--	0.00 T
08/05/75	2103	2412	64.0F			--	--	--	--	--	--
0900	5030	45	7.0	--		--	--	0.14 T	--	--	--
08/19/75	2103	1998	63 F			--	0.00 T	0.05 T	0.01 T	0.0000 T	--
0915	5030	45	7.0	0.00 T		0.00 T	--	0.15 T	0.01 T	--	0.04 T
09/02/75	2103	1865	65 F			--	--	--	--	--	--
0845	5030	48	7.0	--		--	--	0.16 T	--	--	--
09/16/75	2103	1908	63 F			--	0.00 T	0.02 T	0.02 T	0.0000 T	--
0900	5030	45	7.0	0.00 T		0.00 T	--	0.16 T	0.01 T	--	0.03 T

TABLE D-3 (CONTINUED)
MINOR ELEMENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ARSENIC	CONSTITUENTS IN MILLIGRAMS PER LITER BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
A0 7180.00				AMERICAN RIVER BELOW NIMBUS DAM							
02/04/75	2103		2010.M	48 F		--	--	--	--	--	--
0930	5050		85	7.2	--	--	--	0.44 T	--	--	--
02/18/75	2103		7510.M	47.5F		--	0.00 T	0.00 T	0.00 T	0.0000 T	--
0930	5050		50	7.1	0.00 T	0.00 T	--	0.19 T	0.01 T	--	0.01 T
03/04/75	2103		4030	49 F		--	--	--	--	--	--
0830	5050		57	7.2	--	--	--	0.29 T	--	--	--
03/18/75	2103		5110	48.5F		--	0.00 T	0.00 T	0.01 T	--	--
0730	5050		60	7.2	0.00 T	0.00 T	--	0.21 T	0.01 T	--	0.00 T
04/08/75	2103		7480	48 F		--	--	--	--	--	--
0800	5050		62	7.2	--	--	--	0.42 T	--	--	--
04/22/75	2103		5090	51.5F		--	0.00 T	0.00 T	0.00 T	0.0000 T	--
0945	5050		64	7.2	0.00 T	0.00 T	--	0.19 T	0.01 T	--	0.00 T
05/06/75	2103		5330	53.0F		--	--	--	--	--	--
0820	5050		62	7.2	--	--	--	0.16 T	--	--	--
05/20/75	2103		5160	54.0F		--	0.00 T	0.00 T	0.01 T	--	--
0800	5050		57	7.2	0.00 T	0.00 T	--	0.16 T	0.01 T	--	0.00 T
06/10/75	2103		5200	56.0F		--	--	--	--	--	--
0815	5050		48	7.1	--	--	--	0.09 T	--	--	--
06/24/75	2103		3520	57 F		--	0.00 T	0.00 T	0.00 T	0.0000 T	--
0800	5050		44	7.1	0.00 T	0.00 T	--	0.09 T	0.01 T	--	0.00 T
07/08/75	2103		3520	59.0F		--	--	--	--	--	--
0800	5050		44	7.2	--	--	--	0.10 T	--	--	--
07/22/75	2103		3500	61.0F		--	0.00 T	0.01 T	0.00 T	--	--
0800	5050		43	7.0	0.00 T	0.00 T	--	0.07 T	0.01 T	--	0.00 T
08/05/75	2103		3010	61.0F		--	--	--	--	--	--
0745	5050		44	7.6	--	--	--	0.11 T	--	--	--
08/19/75	2103		2460	62 F		--	0.00 T	0.01 T	0.00 T	0.0000 T	--
0815	5050		40	6.8	0.00 T	0.00 T	--	0.11 T	0.01 T	--	0.00 T
09/02/75	2103		2350	63 F		--	--	--	--	--	--
0800	5050		42	7.0	--	--	--	0.09 T	--	--	--
09/16/75	2103		2390	62 F		--	0.00 T	0.00 T	0.01 T	0.0000 T	--
0745	5050		40	6.9	0.00 T	0.00 T	--	0.13 T	0.01 T	--	0.00 T
A1 1620.00				PIT RIVER NEAR MONTGOMERY CREEK							
03/19/75	5050			7.5C		--	--	0.00 T	0.00 T	--	--
1000	5050		105	7.3	--	0.00 T	--	2.0 T	0.03 T	--	0.01 T
A1 1680.00				PIT RIVER NEAR CANBY							
03/19/75	5050			7.1C		--	--	0.00 T	0.00 T	--	--
1320	5050		182	7.7	--	0.00 T	--	4.1 T	0.09 T	--	0.01 T
05/06/75	5050			9.0C		--	--	0.01 T	0.00 T	--	--
1400	5050			7.6	--	0.00 T	--	3.8 T	0.07 T	--	0.02 T
A2 1010.00				SACRAMENTO RIVER AT KESWICK							
04/21/75	5050		10000	10.5C		--	--	0.01 T	0.01 T	--	--
1100	5050			7.1	--	0.00 T	--	1.0 T	0.01 T	--	0.39 T
A3 1110.00				STONY CREEK BELOW BLACK BUTTE DAM							
05/20/75	5050			16.0C		--	--	0.02 T	0.00 T	--	--
1120	5050			8.0	--	0.00 T	--	0.64 T	0.02 T	--	0.02 T
A3 1250.00				STONY CREEK NEAR FRUTO							
04/22/75	5050			13.0C		--	--	0.00 T	0.00 T	--	--
1100	5050			8.3	--	0.00 T	--	0.94 T	0.02 T	--	0.00 T
A4 1110.00				BUTTE CREEK NEAR CHICO							
05/02/75	5050			11.0C		--	--	0.00 T	0.00 T	--	--
1030	5050			7.8	--	0.00 T	--	0.13 T	0.01 T	--	0.01 T
A4 2110.00				BIG CHICO CREEK NEAR CHICO							
05/02/75	5050			12.5C		--	--	0.00 T	0.00 T	--	--
0945	5050			7.8	--	0.00 T	--	0.04 T	0.00 T	--	0.01 T
A8 L 902.7 254.7 1 CLEAR LAKE AT LAKEPORT											
04/17/75	5050			10.0C		--	--	0.00 T	0.01 T	--	--
0730	5050			8.0	--	0.00 T	--	1.8 T	0.04 T	--	0.01 T
A8 1250.00				REAR CREEK NEAR RUMSEY							
04/17/75	5050			12.0C		--	--	0.00 T	0.01 T	--	--
1110	5050			8.2	--	0.00 T	--	0.13 T	0.01 T	--	0.01 T
A8 1350.00				CACHE CREEK NEAR LOWER LAKE							
04/17/75	5050		513	12.0C		--	--	0.00 T	0.01 T	--	--
0910	5050			8.3	--	0.00 T	--	1.6 T	0.03 T	--	0.00 T
A8 2650.00				CACHE CREEK, NORTH FORK, NEAR LOWER LAKE							
04/17/75	5050			12.0C		--	--	0.00 T	0.00 T	--	--
1020	5050			8.2	--	0.00 T	--	0.18 T	0.01 T	--	0.00 T

TABLE D-3 (CONTINUED)
MINOR ELEMENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	DISCH DEPTH	EC	TEMP PH	ARSENIC	BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
				CONSTITUENTS IN MILLIGRAMS PER LITER							
80 7020.00 SAN JOAQUIN RIVER NEAR VERNALIS											
12/19/74	5050			10.0C		--	--	0.01 D	--	0.0000 T	--
0900	5050		358	7.2	--	--	0.00 O	0.01 O	--	--	0.01 O
01/21/75	5001			10 C		--	0.01 T	0.00 T	0.00 T	0.0000 T	--
1800	5050	3	645	7.5	0.00 T	0.00 T	--	1.6 T	0.09 T	--	0.01 T
01/21/75	5001			10 C		--	0.00 O	0.00 O	0.00 O	--	--
1801	5050	3	645	7.5	0.00 O	0.00 O	--	0.04 O	0.05 D	--	0.01 O
05/01/75	5001			19 C		--	0.00 O	0.02 O	0.00 O	--	--
1335	5050	3	702	7.8	0.00 O	0.00 O	--	0.05 D	0.05 O	--	0.05 D
05/01/75	5001			19 C		--	0.00 T	0.04 T	0.00 T	0.0001 T	--
1336	5050	3	702	7.8	0.00 T	0.00 T	--	2.8 T	0.18 T	--	0.05 T
09/11/75	5001			22 C		--	0.00 D	0.00 D	0.00 O	--	--
1410	5050	3	471	7.8	0.00 O	0.00 O	--	0.03 O	0.02 O	--	0.00 O
09/11/75	5001			22 C		--	0.01 T	0.01 T	0.00 T	0.0001 T	--
1411	5050	3	471	7.8	0.00 T	0.00 T	--	1.5 T	0.13 T	--	0.01 T
89 D 749.8 133.2 WEST CANAL AT MOUTH OF INTAKE TO CLIFTON CT FOREBAY											
01/22/75	5001			7 C		--	0.01 T	0.00 T	0.00 T	0.0000 T	--
1615	5050	3	432	7.2	0.00 T	0.00 T	--	1.6 T	0.07 T	--	0.02 T
01/22/75	5001			7 C		--	0.00 O	0.00 O	0.00 O	--	--
1616	5050	3	432	7.2	0.00 O	0.00 O	--	0.08 O	0.05 O	--	0.02 O
05/01/75	5001			16 C		--	0.01 O	0.00 O	0.00 O	--	--
1225	5050	3	233	7.7	0.00 O	0.00 O	--	0.04 O	0.01 O	--	0.01 O
05/01/75	5001			16 C		--	0.01 T	0.00 T	0.01 T	0.0000 T	--
1226	5050	3	233	7.7	0.00 T	0.00 T	--	1.9 T	0.04 T	--	0.01 T
09/11/75	5001			23 C		--	0.00 O	0.00 O	0.00 O	--	--
1335	5050	3	221	8.5	0.00 O	0.00 O	--	0.03 O	0.00 O	--	0.00 D
09/11/75	5001			23 C		--	0.01 T	0.01 T	0.00 T	0.0002 T	--
1336	5050	3	221	8.5	0.00 T	0.00 T	--	1.2 T	0.05 T	--	0.01 T
89 D 758.7 122.9 SAN JOAQUIN RIVER AT BUCKLEY COVE											
02/03/75	5001			9 C		--	0.02 T	0.00 D	0.00 D	--	--
1225	5050	3	508	7.4	0.00 O	0.00 O	--	0.04 O	0.02 O	--	0.01 D
02/03/75	5001			9 C		--	0.02 T	0.00 T	0.00 T	0.0001 T	--
1226	5050	3	508	7.4	0.00 T	0.00 T	--	0.56 T	0.05 T	--	0.01 T
05/01/75	5001			17 C		--	0.00 D	0.01 D	0.00 D	--	--
0955	5050	3	549	8.1	0.00 D	0.00 O	--	0.02 O	0.00 D	--	0.01 D
05/01/75	5001			17 C		--	0.00 T	0.01 T	0.00 T	0.0000 T	--
0956	5050	3	549	8.1	0.00 T	0.00 T	--	0.87 T	0.10 T	--	0.01 T
09/11/75	5001			24 C		--	0.00 O	0.01 O	0.00 O	--	--
1100	5050	3	620	8.2	0.00 O	0.00 O	--	0.02 D	0.01 O	--	0.01 O
09/11/75	5001			24 C		--	0.01 T	0.01 T	0.00 T	0.0002 T	--
1101	5050	3	620	8.2	0.00 T	0.00 T	--	0.82 T	0.02 T	--	0.00 T
89 D 801.1 142.6 BIG BREAK NEAR OAKLEY											
01/08/75	5001			8 C		--	0.00 O	0.00 O	0.00 O	--	--
1425	5050	3	231	7.9	0.00 D	0.00 O	--	0.05 O	0.00 O	--	0.00 D
01/08/75	5001			8 C		--	0.00 T	0.01 T	0.00 T	0.0000 T	--
1426	5050	3	231	7.9	0.00 T	0.00 T	--	1.1 T	0.03 T	--	0.01 T
05/08/75	5001			18 C		--	0.00 O	0.01 O	0.00 O	--	--
1625	5050	3	143	8.8	0.00 O	0.00 O	--	0.05 O	0.00 D	--	0.00 D
05/08/75	5001			18 C		--	0.00 T	0.01 T	0.01 T	0.0000 T	--
1626	5050	3	143	8.8	0.00 T	0.00 T	--	1.8 T	0.03 T	--	0.01 T
09/03/75	5001			25 C		--	0.00 O	0.00 O	0.00 O	--	--
1725	5050	3	258	8.3	0.00 O	0.00 D	--	0.02 D	0.00 D	--	0.00 D
09/03/75	5001			25 C		--	0.01 T	0.03 T	0.00 T	0.0002 T	--
1726	5050	3	258	8.3	0.00 T	0.00 T	--	0.71 T	0.02 T	--	0.00 T
89 D 801.2 148.5 SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL											
01/08/75	5001			8 C		--	0.00 O	0.00 D	0.00 O	--	--
1355	5050	3	273	7.8	0.00 O	0.00 O	--	0.04 O	0.00 O	--	0.00 O
01/08/75	5001			8 C		--	0.01 T	0.01 T	0.00 T	0.0000 T	--
1356	5050	3	273	7.8	0.00 T	0.00 T	--	1.1 T	0.03 T	--	0.01 T
05/08/75	5001			16 C		--	0.00 D	0.01 O	0.00 O	--	--
1555	5050	3	166	8.1	0.00 O	0.00 O	--	0.05 O	0.00 O	--	0.00 D
05/08/75	5001			16 C		--	0.00 T	0.01 T	0.00 T	0.0000 T	--
1556	5050	3	166	8.1	0.00 T	0.00 T	--	1.9 T	0.03 T	--	0.01 T
09/03/75	5001			22 C		--	0.00 D	0.01 O	0.00 O	--	--
1640	5050	3	527	7.8	0.00 D	0.00 O	--	0.06 O	0.00 O	--	0.00 O
09/03/75	5001			22 C		--	0.01 T	0.01 T	0.00 T	0.0002 T	--
1641	5050	3	527	7.8	0.00 T	0.00 T	--	1.2 T	0.03 T	--	0.00 T
89 D 803.1 141.3 SAN JOAQUIN RIVER AT JERSEY POINT											
01/07/75	5001			7 C		--	0.00 O	0.00 O	0.00 O	--	--
1420	5050	3	230	7.7	0.00 O	0.00 O	--	0.06 O	0.00 O	--	0.00 O
01/07/75	5001			7 C		--	0.00 T	0.00 T	0.00 T	0.0000 T	--
1421	5050	3	230	7.7	0.00 T	0.00 T	--	0.64 T	0.02 T	--	0.00 T
05/07/75	5001			16 C		--	0.00 O	0.01 O	0.00 O	--	--
1550	5050	3	143	8.0	0.00 O	0.00 O	--	0.06 O	0.00 O	--	0.01 O

TABLE D-3 (CONTINUED)
MINOR ELEMENT ANALYSIS OF SURFACE WATER

CONSTITUENTS IN MILLIGRAMS PER LITER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ARSENIC	BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
				89 D 803.1 141.3 SAN JOAQUIN RIVER AT JERSEY POINT				CONTINUED			
05/07/75	5001			16 C		--	0.00 T	0.01 T	0.01 T	0.0000 T	--
1551	5050	3	143	8.0	0.00 T	0.00 T	--	1.4 T	0.02 T	--	0.01 T
09/02/75	5001			22 C		--	0.00 D	0.00 D	0.00 D	--	--
1530	5050	3	270	8.0	0.00 D	0.00 D	--	0.02 D	0.04 D	--	0.00 D
09/02/75	5001			22 C		--	0.01 T	0.01 T	0.00 T	0.0002 T	--
1531	5050	3	270	8.0	0.00 T	0.00 T	--	0.85 T	0.04 T	--	0.00 T
				89 D 803.8 149.2 SACRAMENTO RIVER ABOVE POINT SACRAMENTO							
01/07/75	5001			7 C		--	0.00 D	0.01 D	0.00 D	--	--
1215	5050	3	344	7.2	0.00 D	0.00 D	--	0.06 D	0.01 D	--	0.01 D
01/07/75	5001			7 C		--	0.00 T	0.01 T	0.00 T	0.0000 T	--
1216	5050	3	344	7.2	0.00 T	0.00 T	--	1.2 T	0.03 T	--	0.01 T
05/07/75	5001			15 C		--	0.00 D	0.01 D	0.00 D	--	--
1345	5050	3	146	7.8	0.00 D	0.01 D	--	0.05 D	0.00 D	--	0.00 D
05/07/75	5001			15 C		--	0.00 T	0.01 T	0.00 T	0.0000 T	--
1346	5050	3	146	7.8	0.00 T	0.01 T	--	1.8 T	0.03 T	--	0.01 T
09/02/75	5001			22 C		--	0.00 D	0.01 D	0.00 D	--	--
1345	5050	3	190	7.9	0.00 D	0.00 D	--	0.02 D	0.00 D	--	0.00 D
09/02/75	5001			22 C		--	0.01 T	0.01 T	0.00 T	0.0002 T	--
1346	5050	3	190	7.9	0.00 T	0.00 T	--	1.3 T	0.04 T	--	0.01 T
				89 D 809.7 134.0 SAN JOAQUIN RIVER AT POTATO POINT							
01/07/75	5001			7 C		--	0.00 D	0.01 D	0.00 D	--	--
1510	5050	3	193	7.6	0.00 D	0.00 D	--	0.06 D	0.00 D	--	0.00 D
01/07/75	5001			7 C		--	0.01 T	0.01 T	0.00 T	0.0000 T	--
1511	5050	3	193	7.6	0.00 T	0.00 T	--	0.69 T	0.02 T	--	0.00 T
05/07/75	5001			15 C		--	0.00 D	0.01 D	0.00 D	--	--
1630	5050	3	122	7.7	0.00 D	0.00 D	--	0.05 D	0.00 D	--	0.01 D
05/07/75	5001			15 C		--	0.00 T	0.01 T	0.01 T	0.0000 T	--
1631	5050	3	122	7.7	0.00 T	0.00 T	--	1.2 T	0.03 T	--	0.01 T
09/02/75	5001			22 C		--	0.00 D	0.00 D	0.00 D	--	--
1615	5050	3	160	7.8	0.00 D	0.00 D	--	0.02 D	0.01 D	--	0.00 D
09/02/75	5001			22 C		--	0.01 T	0.01 T	0.00 T	0.0001 T	--
1616	5050	3	160	7.8	0.00 T	0.00 T	--	0.76 T	0.02 T	--	0.00 T
				89 D 809.4 141.0 SACRAMENTO RIVER BELOW RIO VISTA BRIDGE							
01/07/75	5001			7 C		--	0.00 D	0.01 D	0.00 D	--	--
1330	5050	3	170	7.6	0.00 D	0.00 D	--	0.04 D	0.00 D	--	0.01 D
01/07/75	5001			7 C		--	0.01 T	0.01 T	0.00 T	0.0000 T	--
1331	5050	3	170	7.6	0.00 T	0.00 T	--	0.73 T	0.02 T	--	0.01 T
05/07/75	5001			15 C		--	0.00 D	0.01 D	0.00 D	--	--
1505	5050	3	130	7.7	0.00 D	0.00 D	--	0.03 D	0.00 D	--	0.01 D
05/07/75	5001			15 C		--	0.00 T	0.01 T	0.01 T	0.0000 T	--
1506	5050	3	130	7.7	0.00 T	0.00 T	--	1.4 T	0.03 T	--	0.01 T
09/02/75	5001			21 C		--	0.00 D	0.00 D	0.00 D	--	--
1450	5050	3	198	7.9	0.00 D	0.00 D	--	0.02 D	0.00 D	--	0.00 D
09/02/75	5001			21 C		--	0.01 T	0.01 T	0.00 T	0.0001 T	--
1451	5050	3	198	7.9	0.00 T	0.00 T	--	0.72 T	0.02 T	--	0.00 T
				89 D 815.3 126.3 MOKELUMNE RIVER NEAR THORNTON							
01/21/75	5001			8 C		--	0.01 T	0.01 T	0.00 T	0.0000 T	--
1150	5050	3	99	7.1	0.00 T	0.00 T	--	0.41 T	0.06 T	--	0.02 T
01/21/75	5001			8 C		--	0.00 D	0.01 D	0.00 D	--	--
1151	5050	3	99	7.1	0.00 D	0.00 D	--	0.10 D	0.06 D	--	0.02 D
05/01/75	5001			13 C		--	0.00 D	0.00 D	0.00 D	--	--
0900	5050	3	49	7.1	0.00 D	0.00 D	--	0.07 D	0.01 D	--	0.03 D
05/01/75	5001			13 C		--	0.00 T	0.01 T	0.01 T	0.0000 T	--
0901	5050	3	49	7.1	0.00 T	0.00 T	--	0.59 T	0.02 T	--	0.05 T
09/11/75	5001			18 C		--	0.00 D	0.00 D	0.00 D	--	--
0915	5050	3	48	7.2	0.00 D	0.00 D	--	0.05 D	0.01 D	--	0.01 D
09/11/75	5001			18 C		--	0.01 T	0.00 T	0.00 T	0.0000 T	--
0916	5050	3	48	7.2	0.00 T	0.00 T	--	0.29 T	0.02 T	--	0.01 T
				89 D 820.7 132.7 SACRAMENTO RIVER AT GREENES LANDING							
10/16/74	5050			62 F		--	--	0.01 D	0.00 D	--	--
1200	5050		108	7.3	0.00 D	--	--	0.05 D	0.01 D	0.00 D	0.00 D
11/20/74	5050			55 F		--	--	0.00 D	0.00 D	--	--
1300	5050		103	7.3	0.00 D	--	--	0.09 D	0.01 D	0.00 D	0.00 D
12/18/74	5050			50 F		--	--	0.00 D	0.00 D	--	--
1300	5050		125	7.3	0.00 D	--	--	0.05 D	0.00 D	0.00 D	0.00 D
01/15/75	5050			47 F		--	--	0.00 D	0.00 D	--	--
1345	5050		132	7.2	0.00 D	--	--	0.10 D	0.02 D	0.00 D	0.00 D
01/22/75	5001			8 C		--	0.01 T	0.00 T	0.00 T	0.0003 T	--
1225	5050	3	202	7.5	0.00 T	0.00 T	--	0.69 T	0.02 T	--	0.01 T
01/22/75	5001			8 C		--	0.00 D	0.00 D	0.00 D	--	--
1226	5050	3	202	7.5	0.00 D	0.00 D	--	0.04 D	0.01 D	--	0.00 D
02/19/75	5050			47.5F		--	--	0.01 D	0.00 D	--	--
1220	5050		126	7.2	0.00 D	--	0.00 D	0.62 D	0.06 D	0.01 D	0.01 D

TABLE D-3 (CONTINUED)
MINOR ELEMENT ANALYSIS OF SURFACE WATER

CONSTITUENTS IN MILLIGRAMS PER LITER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ARSENIC	BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
89 D 820.7 132.7 SACRAMENTO RIVER AT GREENES LANDING CONTINUED											
03/19/75	5030			51 F		--	--	0.01 D	0.00 D	--	--
1100	5030		133	7.4	0.00 D	--	--	0.43 D	0.05 D	0.00 D	0.01 D
04/16/75	5030			55 F		--	--	0.01 D	0.00 D	--	--
1200	5030		133	7.3	0.00 D	--	--	0.43 D	0.03 D	0.00 D	0.01 D
05/01/75	5001			14 C		--	0.00 D	0.00 D	0.00 D	--	--
0800	5130	3	117	7.5	0.00 D	0.00 D	--	0.06 D	0.00 D	--	0.01 D
05/01/75	5001			14 C		--	0.01 T	0.01 T	0.01 T	0.0000 T	--
0801	5030	3	117	7.5	0.00 T	0.00 T	--	1.5 T	0.03 T	--	0.01 T
05/21/75	5030			61.0F		--	--	0.01 D	0.00 D	--	--
1200	5030		122	7.4	0.00 D	--	--	0.42 D	0.03 D	0.01 D	0.01 D
06/18/75	5130			67.0F		--	--	0.01 D	0.00 D	--	--
1245	5030		106	7.4	0.00 D	--	--	0.01 D	0.00 D	0.00 D	0.01 D
07/16/75	5030			71 F		--	--	0.00 D	0.00 D	--	--
1230	5030		117	7.5	0.00 D	--	--	0.07 D	0.02 D	0.01 D	0.00 D
08/20/75	5130			68 F		--	--	0.01 D	0.00 D	--	--
1200	5030		144	7.3	0.00 D	--	--	0.15 D	0.03 D	0.00 D	0.00 D
09/11/75	5001			20 C		--	0.00 D	0.01 D	0.00 D	--	--
0805	5130	3	187	7.5	0.00 D	0.00 D	--	0.04 D	0.01 D	--	0.01 D
09/11/75	5001			20 C		--	0.01 T	0.01 T	0.00 T	0.0000 T	--
0806	5030	3	187	7.5	0.00 T	0.00 T	--	0.92 T	0.02 T	--	0.01 T
09/17/75	5030			69 F		--	--	0.00 D	0.00 D	--	--
1330	5030		163	7.4	0.00 D	--	0.00 D	0.10 D	0.03 D	0.00 D	0.00 D
G4 L 216.5 027.1 MONEY LAKE NEAR BUNTINGVILLE											
05/07/75	5130			11.5C		--	--	0.02 T	0.0 T	--	--
0910	5030			9.1	--	0.00 T	--	16. T	0.32 T	--	0.04 T
G4 1540.01 SUSAN RIVER NEAR LITCHFIELD											
03/19/75	5030			8.0C		--	--	0.02 T	0.00 T	--	--
1535	5030		164	7.9	--	0.00 T	--	14. T	0.49 T	--	0.02 T
05/07/75	5030			9.0C		--	--	0.00 T	0.00 T	--	--
0805	5130			7.8	--	0.00 T	--	0.61 T	0.08 T	--	0.01 T
G4 1600.00 SUSAN RIVER AT SUSANVILLE											
03/19/75	5030			4.0C		--	--	0.01 T	0.00 T	--	--
1635	5030		72	7.2	--	0.00 T	--	7.2 T	0.28 T	--	0.01 T
G6 1765.00 LONG VALLEY CREEK NEAR HALLELUJAH JUNCTION											
03/20/75	5030			1.0C		--	--	0.00 T	0.00 T	--	--
0920	5030		228	8.0	--	0.00 T	--	2.5 T	0.05 T	--	0.01 T

TABLE D-4

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Sampler and Lab Agency Codes

2163 - California Department of Water Resources for SWRCB
5001 - U. S. Bureau of Reclamation
5050 - California Department of Water Resources
5060 - California Department of Health

Abbreviations and Constituents

TIME - Pacific Standard Time on a 24-hour clock

TEMP - Water temperature at time of sampling in degrees Fahrenheit (F) or Celsius (C)
EC - Electrical conductance in micromhos at 25° Celsius

DO - Dissolved oxygen content in milligrams per liter
G.H. - Instantaneous gage height in feet above an established datum

PH - Measure of acidity (<7) or alkalinity (>7) of water: F - Field; L - Lab

DISCH - Instantaneous discharge in cubic feet per second
MBAS - Methylene blue active substance (a test for detergent surfactants) in milligrams per liter: L - Linear alkylate sulfonate; A - Alkyl benzene sulfonate

DEPTH - Depth in feet at which sample was collected
TURB - Jackson Turbidity Units

T+L - Tannin and lignin as tannic acid in milligrams per liter
CHLOR - Field determination of residual chlorine in milligrams per liter

O+G - Oil and grease in milligrams per liter
COLOR - True color in color units

SET S - Settable solids in milliliters per liter (ML/L) and milligrams per liter (MG/L): F - Field; L - Lab

BOD - Biochemical oxygen demand in milligrams per liter: A - 4 days; B - 5 days; C - 6 days; D - 7 days; E - 100 days; F - other
SUS S - Suspended solids in milligrams per liter: 5 - at 105°C; 8 - at 180°C

COD - Chemical oxygen demand in milligrams per liter
V SUS S - Volatile suspended solids in milligrams per liter

CYANIDE - Cyanide in milligrams per liter
PHENOLS - Phenols in milligrams per liter

TOC - Total organic carbon in milligrams per liter
DOC - Dissolved organic carbon in milligrams per liter

IODIDE - Iodide in milligrams per liter
T ODOR - Threshold odor number at 60°C

BROMIDE - Bromide in milligrams per liter
SULFITE - Sulfite in milligrams per liter

T SULF - Total sulfides in milligrams per liter
D SULF - Dissolved sulfides in milligrams per liter

CC EXT - Carbon chloroform extract
CA EXT - Carbon alcohol extract

TABLE D-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	DISCH MBAS	DEPTH TURB	T-L CHLOR	O-G COLOR	SET 5 ML/L MG/L	BOD SUS S	COD V SUS S	CYANIDE PHENOLS	TOC DOC	IODIDE T ODOR	BROMIDE SULFITE	T SULF D SULF	CC EAT CA EAT
	AO V 836.4 131.4				NATOMAS MAIN DRAIN TO SACRAMENTO RIVER												
09/17/75 0730	5050 5050	69 F 417	5.1	7.3	--		-- --	-- --	-- --	-- 54 5	-- --	-- --	-- --	-- --	-- --	-- --	-- --
	AO V 847.4 135.8				R-D 1001 DRAINAGE TO NATOMAS CROSS CANAL												
09/17/75 0830	5050 5050	70 F 386	5.6	7.2	--		-- --	-- --	-- --	-- 96 5	-- --	-- --	-- --	-- --	-- --	-- --	-- --
	AO V 857.4 134.4				R-D 784 DRAIN TO FEATHER RIVER												
09/17/75 1030	5050 5050	69 F 135	6.1	7.0	--		-- --	-- --	-- --	-- 462 5	-- --	-- --	-- --	-- --	-- --	-- --	-- --
	AO 2195.01				SACRAMENTO RIVER BELOW KNIGHTS LANDING												
09/24/75 1550	5050 5050	21.0C 179	9.0	8.4	--		-- --	-- --	-- --	-- 100 5	-- --	-- --	-- --	-- --	-- --	-- --	-- --
	AO 2200.02				SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN												
09/24/75 1345	5050 5050	20.0C 20.29	8.6	7.6	--		-- --	-- --	-- --	-- 64 5	-- --	-- --	-- --	-- --	-- --	-- --	-- --
	AO 2905.00				YOLO BYPASS BELOW SACRAMENTO BYPASS												
09/17/75 1230	5050 5050	74 F 578	6.9 11.05	7.8	--		-- --	-- --	-- --	-- 87 5	-- --	-- --	-- --	-- --	-- --	-- --	-- --
	AO 2925.00				SACRAMENTO SLOUGH AT SACRAMENTO RIVER												
09/24/75 1310	5050 5050	24.0C	6.6	7.6	--		-- --	-- --	-- --	-- 75 5	-- --	-- --	-- --	-- --	-- --	-- --	-- --
	AO 2933.00				R-D 108 DRAINAGE TO SACRAMENTO RIVER												
09/24/75 1455	5050 5050	23.0C	6.0	7.7	--		-- --	-- --	-- --	-- 72 5	-- --	-- --	-- --	-- --	-- --	-- --	-- --
	AO 2947.10				COLUSA BASIN DRAIN NEAR KNIGHTS LANDING												
09/24/75 1425	5050 5050	24.0C	6.3 23.47	7.8	--		-- --	-- --	-- --	-- 133 5	-- --	-- --	-- --	-- --	-- --	-- --	-- --
	AO 2950.00				R-D 787 DRAINAGE TO COLUSA BASIN DRAIN												
09/24/75 1410	5050 5050	23.0C	3.8	9.6	--		-- --	-- --	-- --	-- 87 5	-- --	-- --	-- --	-- --	-- --	-- --	-- --
	AO 2955.00				R-D 787 DRAINAGE TO SACRAMENTO RIVER												
09/24/75 1525	5050 5050	24.0C	6.5	7.8	--		-- --	-- --	-- --	-- 131 5	-- --	-- --	-- --	-- --	-- --	-- --	-- --
	AO 2965.00				R-D 70 DRAINAGE TO SACRAMENTO RIVER												
09/24/75 1100	5050 5050	24.0C	6.8	8.0	--		-- --	-- --	-- --	-- 151 5	-- --	-- --	-- --	-- --	-- --	-- --	-- --
	AO 2972.00				BUTTE SLOUGH NEAR MERIDIAN												
09/24/75 0930	5050 5050	23.0C 317	5.0	7.2	--		-- --	-- --	-- --	-- 42 5	-- --	-- --	-- --	-- --	-- --	-- --	-- --
	AO 2976.00				COLUSA BASIN DRAIN AT HIGHWAY 20												
09/24/75 0750	5050 5050	20.5C 635	7.1	7.8	--		-- --	-- --	-- --	-- 298 5	-- --	-- --	-- --	-- --	-- --	-- --	-- --
	AO 5660.00				JACK SLOUGH AT MARYSVILLE												
09/18/75 1030	5050 5050	68 F 108	7.7	7.2	--		-- --	-- --	-- --	-- 7 5	-- --	-- --	-- --	-- --	-- --	-- --	-- --
	AO 5910.00				SUTTER BP STATE PP NO 1 NR NICOLAUS												
09/24/75 1215	5050 5050	23.0C	6.4	7.8	--		-- --	-- --	-- --	-- 146 5	-- --	-- --	-- --	-- --	-- --	-- --	-- --
	AO 5920.00				SUTTER BP STATE PP NO 2 NR TISDALE												
09/24/75 1145	5050 5050	22.0C	7.1	7.8	--		-- --	-- --	-- --	-- 99 5	-- --	-- --	-- --	-- --	-- --	-- --	-- --
	AO 5925.00				SUTTER BP STATE PP NO 3 NR YUBA CITY												
09/24/75 1020	5050 5050	22.0C	5.5	7.6	--		-- --	-- --	-- --	-- 43 5	-- --	-- --	-- --	-- --	-- --	-- --	-- --
	AO 5927.00				WADSWORTH CANAL NR SUTTER												
09/24/75 0955	5050 5050	21.0C	6.8 38.09	7.4	--		-- --	-- --	-- --	-- 34 5	-- --	-- --	-- --	-- --	-- --	-- --	-- --
	AO 7140.10				AMERICAN RIVER AT SACRAMENTO WATER PLANT												
02/04/75 1020	2103 5050	48 F 57	10.7	7.0	1836 --		-- --	-- --	-- --	-- 12 5	3.9 --	-- --	-- --	-- --	-- --	-- --	-- --
02/04/75 1021	2103 5050	48 F 57	10.7	7.0	1836 --		-- --	-- --	-- --	-- --	-- --	-- --	3 --	-- --	-- --	-- --	-- --
02/18/75 1030	2103 5050	47 F 51	11.3	7.1	0.00 A		-- --	-- --	-- --	-- 9 5	4.2 --	-- --	1.1 --	-- --	-- --	-- --	-- --
03/04/75 0900	2103 5050	49 F 60	11.0	7.1	4306 --		-- --	-- --	-- --	-- 3 5	2.5 --	-- --	1.0 --	-- --	-- --	-- --	-- --
03/18/75 0830	2103 5050	49 F 62	10.9	7.1	6028 0.00 A		-- --	-- --	-- --	-- 0 5	3.4 --	-- --	0.0 --	-- --	-- --	-- --	-- --

TABLE D-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PM	DISCH MGAS	DEPTH TURB	T+L CHLOR	O+D COLOR	SET 5 ML/L MO/L	BOD SUS S	COD V SUS S	CYANIDE PHENOLS	TOC DOC	IODIDE T ODOR	BROMIDE SULFITE	T SULF O SULF	CC EXT CA EXT
	A0 7140.10				AMERICAN RIVER AT SACRAMENTO WATER PLANT							CONTINUED					
04/08/75	2103	48.5F	10.9	7.2	8403		--	--	--	--	1.8	--	2.3	--	--	--	--
0845	5050	62			--		--	--	--	6 5	--	--	--	--	--	--	--
04/22/75	2103	51.5F	10.8	7.1	4594		--	--	--	--	1.8	--	2.0	--	--	--	--
0815	5050	66			0.00 A		--	--	--	3 5	--	--	--	--	--	--	--
05/06/75	2103	54.0F	10.3	7.2	4718		--	--	--	--	6.5	--	2.0	--	--	--	--
0910	5050	69			--		--	--	--	2 5	--	--	--	--	--	--	--
05/20/75	2103	54 F	10.4	7.2	4590		--	--	--	--	1.5	--	1.8	--	--	--	--
0850	5050	59			0.01 L		--	--	--	3 5	--	--	--	--	--	--	--
06/10/75	2103	61.0F	10.1	7.1	4619		--	--	--	--	2.3	--	1.9	--	--	--	--
0915	5050	52			--		--	--	--	4 5	--	--	--	--	--	--	--
06/24/75	2103	58 F	9.7	7.1	2892		--	--	--	--	2.1	--	2.0	--	--	--	--
0900	5050	48			0.00 L		--	--	--	3 5	--	--	--	--	--	--	--
07/08/75	2103	61.0F	9.8	7.0	2892		--	--	--	--	2.5	--	2.0	--	--	--	--
0845	5050	48			--		--	--	--	3 5	--	--	--	--	--	--	--
07/22/75	2103	63.0F	10.2	7.0	2892		--	--	--	--	3.2	--	--	--	--	--	--
0930	5050	48			0.00 L		--	--	--	2 5	--	--	--	--	--	--	--
08/05/75	2103	62.0F	10.4	7.0	2412		--	--	--	--	1.0	--	3.7	--	--	--	--
0900	5050	45			--		--	--	--	2.4 5	--	--	--	--	--	--	--
08/19/75	2103	63 F	9.0	7.0	1998		--	--	--	--	2.0	--	2.9	--	--	--	--
0915	5050	45			0.01 L		--	--	--	4.0 5	--	--	--	--	--	--	--
09/02/75	2103	65 F	8.6	7.0	1865		--	--	--	--	2.8	--	2.8	--	--	--	--
0845	5050	48			--		--	--	--	4.4 5	--	--	--	--	--	--	--
09/16/75	2103	63 F	9.0	7.0	1908		--	--	--	--	1.8	--	2.7	--	--	--	--
0900	5050	45			0.00 L		--	--	--	5.2 5	--	--	--	--	--	--	--
	A0 7180.00				AMERICAN RIVER BELOW NIMBUS DAM												
02/04/75	2103	48 F	11.2	7.0	2010.M		--	--	--	--	3.7	--	--	--	--	--	--
0930	5050	65			--		--	--	--	6 5	--	--	--	--	--	--	--
02/04/75	2103	48 F	11.2	7.0	2010.M		--	--	--	--	--	--	3	--	--	--	--
0931	5050	65			--		--	--	--	--	--	--	--	--	--	--	--
02/18/75	2103	47.5F	12.2	7.1	7510.M		--	--	--	--	3.7	--	0.9	--	--	--	--
0930	5050	50			0.00 A		--	--	--	7 5	--	--	--	--	--	--	--
03/04/75	2103	49 F	11.4	7.2	4030		--	--	--	--	2.3	--	1.0	--	--	--	--
0830	5050	57			--		--	--	--	2 5	--	--	--	--	--	--	--
03/18/75	2103	48.5F	10.9	7.2	5110		--	--	--	--	3.2	--	0.9	--	--	--	--
0730	5050	60			0.00 A		--	--	--	2 5	--	--	--	--	--	--	--
04/08/75	2103	48 F	11.9	7.2	7480		--	--	--	--	1.5	--	2.0	--	--	--	--
0800	5050	62	9.49		--		--	--	--	5 5	--	--	--	--	--	--	--
04/22/75	2103	51.5F	11.1	7.2	5090		--	--	--	--	1.7	--	1.9	--	--	--	--
0945	5050	64	8.45		0.00 A		--	--	--	2 5	--	--	--	--	--	--	--
05/06/75	2103	53.0F	11.3	7.2	5330		--	--	--	--	2.6	--	1.6	--	--	--	--
0820	5050	62	8.56		--		--	--	--	2 5	--	--	--	--	--	--	--
05/20/75	2103	54 F	10.0	7.2	5160		--	--	--	--	1.2	--	2.0	--	--	--	--
0800	5050	57	8.48		0.00 L		--	--	--	3 5	--	--	--	--	--	--	--
06/10/75	2103	56.0F	10.2	7.1	5200		--	--	--	--	1.8	--	1.6	--	--	--	--
0815	5050	48	8.50		--		--	--	--	2 5	--	--	--	--	--	--	--
06/24/75	2103	57 F	10.1	7.1	3520		--	--	--	--	1.9	--	1.6	--	--	--	--
0800	5050	44	7.67		0.00 L		--	--	--	2 5	--	--	--	--	--	--	--
07/08/75	2103	59.0F	10.0	7.2	3520		--	--	--	--	1.3	--	1.6	--	--	--	--
0800	5050	44	7.67		--		--	--	--	3 5	--	--	--	--	--	--	--
07/22/75	2103	61.0F	9.8	7.0	3500		--	--	--	--	2.5	--	--	--	--	--	--
0800	5050	43	7.66		0.00 L		--	--	--	1 5	--	--	--	--	--	--	--
08/05/75	2103	61.0F	10.2	7.0	3010		--	--	--	--	0.5	--	2.1	--	--	--	--
0745	5050	44	7.37		--		--	--	--	1.6 5	--	--	--	--	--	--	--
08/19/75	2103	62 F	8.9	6.8	2450		--	--	--	--	1.7	--	2.0	--	--	--	--
0815	5050	40	6.99		0.00 L		--	--	--	2.0 5	--	--	--	--	--	--	--
09/02/75	2103	63 F	8.7	7.0	2350		--	--	--	--	2.0	--	2.5	--	--	--	--
0800	5050	42	6.92		--		--	--	--	2.4 5	--	--	--	--	--	--	--
09/16/75	2103	62 F	8.3	6.9	2390		--	--	--	--	2.2	--	2.9	--	--	--	--
0745	5050	40	6.95		0.00 L		--	--	--	4.8 5	--	--	--	--	--	--	--
	A9 1377.00				CAPELL CREEK AT HWY 121 NEAR MOSKOWITE CORNER												
12/09/74	3207	8 C	11.4	7.4	0.5		--	--	0 L	--	--	--	--	--	--	--	--
1100	1904	435			--		--	--	--	--	--	--	--	--	--	--	--
	A9 1385.00				CAPELL CREEK AT CIRCLE OAKS												
12/04/74	3207	9 C	10.7	7.5	0.5		--	--	0 L	--	--	--	--	--	--	--	--
1230	1904	525			--		--	--	--	--	--	--	--	--	--	--	--
01/09/75	3207	7 C	11.3		1		--	--	0 L	--	--	--	--	--	--	--	--
1230	1904	490			--		--	--	--	8 5	--	--	--	--	--	--	--
	H0 7020.00				SAN JOAQUIN RIVER NEAR VERNALIS												
10/02/74	5001	19 C	6.9	7.6		3	--	--	--	--	--	--	--	--	--	--	--
1035	5050	345			--		--	--	--	26 5	7	--	--	--	--	--	--
10/16/74	5001	18 C	7.3	7.6	2700	3	--	--	--	--	--	--	--	--	--	--	--
1030	5050	560	12.37		--		--	--	--	35 5	12	--	--	--	--	--	--

TABLE D-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	DISCH MGAS	DEPTH TURB	T+L CHLOR	O+G COLOR	SET S ML/L MG/L	BOD SUS S	COD V SUS S	CYANIDE PHENOLS	TOC DOC	IODIDE T OOOR	BROMIDE SULFITE	T SULF O SULF	CC EXT CA EXT
80 7620.00					SAN JOAQUIN RIVER NEAR VERNALIS							CONTINUED					
10/17/74	5090	64 E	7.0	7.2			--	--	--	4.2 B	5	--	--	--	--	--	--
0800	5090	400	12.75		--		--	--	--	--	--	--	--	--	--	--	--
11/06/74	5001	14 C	8.7	7.3	4500	3	--	--	--	--	--	--	--	--	--	--	--
1425	5090	330	14.49		--		--	--	--	28 5	4	--	--	--	--	--	--
11/18/74	5001	15 C	8.9	7.3	3670	3	--	--	--	--	--	--	--	--	--	--	--
1320	5090	440	13.57		--		--	--	--	20 5	2	--	--	--	--	--	--
11/21/74	5090	13.0C	8.8	7.3			--	--	--	2.0 B	6	--	--	--	--	--	--
0900	5090	310	13.35		--		--	--	--	--	--	--	--	--	--	--	--
12/17/74	5001	12 C	10.1	7.6	4510	3	--	--	--	--	--	--	--	--	--	--	--
1300	5090	375	14.62		--		--	--	--	26 5	4	--	--	--	--	--	--
12/19/74	5090	10.0C	8.7	7.2			--	--	--	2.0 B	6	--	--	--	--	--	--
0900	5090	358	12.67		--		--	--	--	--	--	--	--	--	--	--	--
01/21/75	5001	10 C	9.8	7.5	2750	3	--	--	--	--	--	--	--	--	--	--	--
1600	5090	645	12.56		--		--	--	--	32 5	12	--	--	--	--	--	--
02/03/75	5001	11 C	9.9		3320	3	--	--	--	--	--	--	--	--	--	--	--
1450	5090	633	13.27		--		--	--	--	40 5	5	--	--	--	--	--	--
03/18/75	5001	13 C	9.7	7.6	6420	3	--	--	--	--	--	--	--	--	--	--	--
1115	5090	408	13.58		--		--	--	--	48 5	5	--	--	--	--	--	--
04/01/75	5001	13 C	9.7	7.6	6440	3	--	--	--	--	--	--	--	--	--	--	--
1240	5090	398	16.46		--		--	--	--	57 5	7	--	--	--	--	--	--
04/18/75	5001	15 C	9.4	7.4	3380	3	--	--	--	--	--	--	--	--	--	--	--
1410	5090	633	13.22		--		--	--	--	38 5	5	--	--	--	--	--	--
05/01/75	5001	19 C	8.9	7.8	2510	3	--	--	--	--	--	--	--	--	--	--	--
1335	5090	702	12.14		--		--	--	--	56 5	12	--	--	--	--	--	--
05/15/75	5001	18 C	9.5	7.8	3870	3	--	--	--	--	--	--	--	--	--	--	--
1210	5090	405	13.79		--		--	--	--	61 5	8	--	--	--	--	--	--
06/03/75	5001	19 C	8.9	7.3	6670	3	--	--	--	--	--	--	--	--	--	--	--
1700	5090	198	16.61		--		--	--	--	47 5	5	--	--	--	--	--	--
06/17/75	5001	19 C	8.7	7.6	7930	3	--	--	--	--	--	--	--	--	--	--	--
1615	5090	140	17.69		--		--	--	--	58 5	7	--	--	--	--	--	--
06/25/75	5090	19 C	8.2	7.8	2730	3	--	--	--	13 F	--	--	--	--	--	--	--
1010	5090	531	12.66		--		--	--	--	--	--	--	--	--	--	--	--
06/25/75	5090	19 C	8.2	7.8	2730	3	--	--	--	--	--	--	--	--	--	--	--
1011	5001	531	12.66		--		--	--	--	80 5	16	--	--	--	--	--	--
07/01/75	5001	21 C	9.8	8.2	2070	3	--	--	--	--	--	--	--	--	--	--	--
1535	5090	736	11.81		--		--	--	--	86 5	12	--	--	--	--	--	--
07/15/75	5001	27 C	8.7	8.2	1560	3	--	--	--	--	--	--	--	--	--	--	--
1510	5090	778	10.98		--		--	--	--	156 5	19	--	--	--	--	--	--
07/23/75	5001	25 C	7.4	7.4		3	--	--	--	--	--	--	--	--	--	--	--
1035	5001	865		7.4	--		--	--	--	164 5	25	--	--	--	--	--	--
07/23/75	5001	25 C	7.4	7.4		3	--	--	--	--	--	--	--	--	--	--	--
1038	5001	865			--		--	--	--	164 5	25	--	--	--	--	--	--
08/12/75	5001	26.0C	9.4	7.2	1520	3	--	--	--	--	--	--	--	--	--	--	--
1615	5090	733	10.76		--		--	--	--	118 5	19	--	--	--	--	--	--
08/26/75	5001	25 C	7.3	7.7	1790	3	--	--	--	--	--	--	--	--	--	--	--
1200	5090	685	11.14		--		--	--	--	107 5	12	--	--	--	--	--	--
09/11/75	5001	22 C	7.9	7.8	2530	3	--	--	--	--	--	--	--	--	--	--	--
1410	5090	471	12.16		--		--	--	--	73 5	8	--	--	--	--	--	--
09/25/75	5001	23 C	7.4	7.8	3050	3	--	--	--	--	--	--	--	--	--	--	--
1330	5090	379	12.81		--		--	--	--	74 5	19	--	--	--	--	--	--
09/30/75	5090	19 C	8.1	7.8		3	--	--	--	--	--	--	--	--	--	--	--
1318	5001	386	55.03		--		--	--	--	49 5	15	--	--	--	--	--	--
82 0160.01					JACKSON CREEK AT JAPUR ROAD BRIDGE												
05/08/75	2103	64 F	11.1	8.0			--	--	--	1.2 B	--	--	--	--	--	--	--
1340	5090	233			--		--	--	--	--	--	--	--	--	--	--	--
82 0165.01					JACKSON CREEK BELOW CITY OF JACKSON STP												
05/08/75	2103	59 F	9.8	7.9			--	--	--	1.1 B	--	--	--	--	--	--	--
0945	5090	225			--		--	--	--	--	--	--	--	--	--	--	--
82 0190.20					JACKSON CREEK ABOVE CITY OF JACKSON STP												
05/08/75	2103	58 F	10.5	8.0			--	--	--	1.1 B	--	--	--	--	--	--	--
0915	5090	210			--		--	--	--	--	--	--	--	--	--	--	--
82 0190.55					JACKSON CREEK, NORTH FORK, IN JACKSON												
05/08/75	2103	63 F	9.6	8.0			--	--	--	0.8 B	--	--	--	--	--	--	--
1250	5090	325			--		--	--	--	--	--	--	--	--	--	--	--
82 0190.70					JACKSON CREEK, SOUTH FORK, IN JACKSON												
05/08/75	2103	64 F	10.0	7.8			--	--	--	0.9 B	--	--	--	--	--	--	--
1040	5090	171			--		--	--	--	--	--	--	--	--	--	--	--

TABLE D-4 (CONTINUED
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	DISCH MBS	DEPTH TURB	T-L CHLOR	O-G COLOR	SET S ML/L MG/L	BOD SUS S	COD V SUS S	CYANIDE PHENOLS	TOC DOC	IODIDE T ODOR	BROMIDE SULFITE	T SULF D SULF	CC EXT CA EAT
		82 0191.01			JACKSON CREEK ABOVE SOUTH FORK JACKSON CREEK												
05/08/75 1100	2103 5090	62 F 172	9.8	7.6	--		-- --	-- --	-- --	1.1 B --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
		82 0193.01			JACKSON CREEK BELOW NEW YORK GULCH												
05/08/75 1220	2103 5090	65 F 151	8.8	7.6	--		-- --	-- --	-- --	0.8 B --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
		89 D 745.3 118.3			SAN JOAQUIN RIVER ABOVE PARADISE CUT												
06/25/75 1125	5090 5090	20 C 540	9.2	7.9	--	3	-- --	-- --	-- --	13 F --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
08/25/75 1126	5050 5091	20 C 540	9.2	7.9	--	3	-- --	-- --	-- --	-- -- 66 5	-- 15	-- --	-- --	-- --	-- --	-- --	-- --
07/23/75 1125	5090 5090	20 C 540	9.2	7.9	--	3	-- --	-- --	-- --	13 F --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
07/23/75 1126	5091 5091	25 C 918	9.3	8.2	--	3	-- --	-- --	-- --	-- -- 97 5	-- 18	-- --	-- --	-- --	-- --	-- --	-- --
		89 D 747.2 118.4			SAN JOAQUIN RIVER AT MOSSDALE BRIDGE												
10/02/74 0950	5091 5090	19 C 365	7.6	7.4	--	3	-- --	-- --	-- --	3.6 B -- 32 5	-- 8	-- --	-- --	-- --	-- --	-- --	-- --
10/16/74 0945	5091 5090	18 C 449	7.1	7.4	--	3	-- --	-- --	-- --	-- -- 37 5	-- 11	-- --	-- --	-- --	-- --	-- --	-- --
11/06/74 1350	5091 5090	14 C 290	9.0	7.3	--	3	-- --	-- --	-- --	1.6 B -- 26 5	-- 4	-- --	-- --	-- --	-- --	-- --	-- --
11/18/74 1240	5091 5090	13 C 440	8.7	7.7	--	3	-- --	-- --	-- --	-- -- 28 5	-- 3	-- --	-- --	-- --	-- --	-- --	-- --
12/17/74 1220	5091 5090	11 C 373	10.0	7.7	--	3	-- --	-- --	-- --	1.4 B -- 29 5	-- 3	-- --	-- --	-- --	-- --	-- --	-- --
01/21/75 1515	5091 5090	10 C 597	9.8	7.4	--	3	-- --	-- --	-- --	0.1 B -- 16 5	-- 4	-- --	-- --	-- --	-- --	-- --	-- --
02/03/75 1410	5091 5090	10 C 562	10.1		--	3	-- --	-- --	-- --	2.0 B -- 28 5	-- 8	-- --	-- --	-- --	-- --	-- --	-- --
03/18/75 1010	5091 5090	12 C 381	9.5	7.5	--	3	-- --	-- --	-- --	2.7 B -- 52 5	-- 9	-- --	-- --	-- --	-- --	-- --	-- --
04/01/75 1150	5091 5090	12 C 373	9.7	7.7	--	3	-- --	-- --	-- --	2.3 B -- 55 5	-- 8	-- --	-- --	-- --	-- --	-- --	-- --
04/18/75 1310	5091 5090	14 C 641	9.0	7.8	--	3	-- --	-- --	-- --	-- -- 48 5	-- 4	-- --	-- --	-- --	-- --	-- --	-- --
05/01/75 1235	5091 5090	18 C 695	9.3	7.6	--	3	-- --	-- --	-- --	3.8 B -- 42 5	-- 8	-- --	-- --	-- --	-- --	-- --	-- --
05/15/75 1115	5091 5090	18 C 420	9.6	7.9	--	3	-- --	-- --	-- --	-- -- 60 5	-- 10	-- --	-- --	-- --	-- --	-- --	-- --
06/03/75 1600	5091 5090	20 C 211	8.9	7.5	--	3	-- --	-- --	-- --	2.9 B -- 62 5	-- 9	-- --	-- --	-- --	-- --	-- --	-- --
06/17/75 1525	5091 5090	20 C 153	8.6	7.5	--	3	-- --	-- --	-- --	-- -- 60 5	-- 10	-- --	-- --	-- --	-- --	-- --	-- --
06/25/75 1225	5090 5090	20 C 541	9.2	7.9	--	3	-- --	-- --	-- --	13 F -- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
06/25/75 1226	5090 5091	20 C 541	9.2	7.9	--	3	-- --	-- --	-- --	-- -- 79 5	-- 18	-- --	-- --	-- --	-- --	-- --	-- --
07/01/75 1435	5091 5090	21 C 708	10.4	8.2	--	3	-- --	-- --	-- --	-- -- 78 5	-- 12	-- --	-- --	-- --	-- --	-- --	-- --
07/15/75 1400	5091 5090	22 C 837	10.0	8.5	--	3	-- --	-- --	-- --	5.8 B -- 85 5	-- 15	-- --	-- --	-- --	-- --	-- --	-- --
07/23/75 1200	5090 5090	26 C 806	9.3	8.2	--	3	-- --	-- --	-- --	13 F -- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
07/23/75 1201	5091 5091	26 C 896	9.3	8.2	--	3	-- --	-- --	-- --	-- -- 100 5	-- 20	-- --	-- --	-- --	-- --	-- --	-- --
08/12/75 1525	5091 5090	25.0C 843	9.9	7.4	--	3	-- --	-- --	-- --	5.6 B -- 66 5	-- 17	-- --	-- --	-- --	-- --	-- --	-- --
08/26/75 1120	5091 5090	24 C 643	7.9	7.7	--	3	-- --	-- --	-- --	-- -- 58 5	-- 8	-- --	-- --	-- --	-- --	-- --	-- --
09/11/75 1315	5091 5090	22 C 512	7.5	7.8	--	3	-- --	-- --	-- --	3.3 B -- 40 5	-- 5	-- --	-- --	-- --	-- --	-- --	-- --
09/25/75 1240	5091 5090	22 C 410	7.3	7.7	--	3	-- --	-- --	-- --	-- -- 52 5	-- 6	-- --	-- --	-- --	-- --	-- --	-- --
		89 D 748.3 126.9			OLD RIVER AT TRACY ROAD BRIDGE												
10/03/74 0945	5091 5090	19 A 415	6.8	7.8	--	3	-- --	-- --	-- --	-- -- 37 5	-- 8	-- --	-- --	-- --	-- --	-- --	-- --
10/17/74 0950	5091 5090	18 C 498	5.7	7.3	--	3	-- --	-- --	-- --	-- -- 40 5	-- 10	-- --	-- --	-- --	-- --	-- --	-- --
11/07/74 1455	5091 5090	13 C 278	8.0	7.3	--		-- --	-- --	-- --	-- -- 26 5	-- 9	-- --	-- --	-- --	-- --	-- --	-- --
11/19/74 1245	5091 5090	13 C 470	8.2	7.6	--		-- --	-- --	-- --	-- -- 20 5	-- 3	-- --	-- --	-- --	-- --	-- --	-- --

TABLE D-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	DISCH MGAS	DEPTH	T-L TURB	CHLOR	O-G COLOR	SET S ML/L MG/L	BOD SUS S	COD V SUS S	CYANIDE PHENOLS	TOC DOC	IODIDE T DOOR	BROMIDE SULFITE	T SULF O SULF	CC EXT CA EXT
89 D 748.3 126.9					OLD RIVER AT TRACY ROAD BRIDGE								CONTINUED					
12/18/74	5001	10 C	8.4	7.4			--	--	--	--	--	--	--	--	--	--	--	--
1200	5050	484			--		--	--	--	--	22 5	2	--	--	--	--	--	--
01/22/75	5001	9 C	9.0	7.4		3	--	--	--	--	--	--	--	--	--	--	--	--
1515	5050	595			--		--	--	--	--	16 5	1	--	--	--	--	--	--
02/04/75	5001	10 C	10.0	7.7		3	--	--	--	--	--	--	--	--	--	--	--	--
1455	5050	590			--		--	--	--	--	25 5	4	--	--	--	--	--	--
03/18/75	5001	12 C	9.3	7.6		3	--	--	--	--	--	--	--	--	--	--	--	--
0930	5050	424			--		--	--	--	--	31 5	4	--	--	--	--	--	--
04/01/75	5001	11 C	9.5	7.7		3	--	--	--	--	--	--	--	--	--	--	--	--
1110	5050	382			--		--	--	--	--	37 5	6	--	--	--	--	--	--
04/18/75	5001	14 C	10.7	8.2		3	--	--	--	--	--	--	--	--	--	--	--	--
1225	5050	665			--		--	--	--	--	27 5	4	--	--	--	--	--	--
05/01/75	5001	17 C	10.9	8.2		3	--	--	--	--	--	--	--	--	--	--	--	--
1115	5050	753			--		--	--	--	--	39 5	10	--	--	--	--	--	--
05/15/75	5001	18 C	9.8	8.1		3	--	--	--	--	--	--	--	--	--	--	--	--
1015	5050	534			--		--	--	--	--	50 5	10	--	--	--	--	--	--
06/03/75	5001	21 C	10.0	7.7		3	--	--	--	--	--	--	--	--	--	--	--	--
1515	5050	250			--		--	--	--	--	62 5	4	--	--	--	--	--	--
06/17/75	5001	20 C	8.5	7.7		3	--	--	--	--	--	--	--	--	--	--	--	--
1425	5050	180			--		--	--	--	--	63 5	10	--	--	--	--	--	--
07/01/75	5001	20 C	11.4	8.7		3	--	--	--	--	--	--	--	--	--	--	--	--
1340	5050	758			--		--	--	--	--	62 5	12	--	--	--	--	--	--
07/15/75	5001	22 C	7.4	8.2		3	--	--	--	--	--	--	--	--	--	--	--	--
1300	5050	945			--		--	--	--	--	73 5	14	--	--	--	--	--	--
08/12/75	5001	25.0C	9.9	7.4		3	--	--	--	--	--	--	--	--	--	--	--	--
1430	5050	878			--		--	--	--	--	65 5	15	--	--	--	--	--	--
08/26/75	5001	23 C	6.8	7.8		3	--	--	--	--	--	--	--	--	--	--	--	--
1025	5050	650			--		--	--	--	--	54 5	10	--	--	--	--	--	--
09/11/75	5001	22 C	6.9	7.6		3	--	--	--	--	--	--	--	--	--	--	--	--
1225	5050	515			--		--	--	--	--	48 5	7	--	--	--	--	--	--
09/25/75	5001	23 C	5.5	7.5		3	--	--	--	--	--	--	--	--	--	--	--	--
1145	5050	501			--		--	--	--	--	52 5	8	--	--	--	--	--	--
89 D 749.8 133.2					WEST CANAL AT MOUTH OF INTAKE TO CLIFTON CT FOREBAY													
10/03/74	5001	20 C	7.0	7.8		3	--	--	--	--	--	--	--	--	--	--	--	--
1035	5050	304			--		--	--	--	--	46 5	6	--	--	--	--	--	--
10/17/74	5001	19 C	7.3	7.3		3	--	--	--	--	--	--	--	--	--	--	--	--
1040	5050	235			--		--	--	--	--	49 5	9	--	--	--	--	--	--
11/07/74	5001					3	--	--	--	--	--	--	--	--	--	--	--	--
1550	5050				--		--	--	--	--	30 5	10	--	--	--	--	--	--
11/19/74	5001	13 C	8.3	7.5		3	--	--	--	--	--	--	--	--	--	--	--	--
1330	5050	520			--		--	--	--	--	18 5	0	--	--	--	--	--	--
12/18/74	5001	10 C	8.9	7.5		3	--	--	--	--	--	--	--	--	--	--	--	--
1300	5050	403			--		--	--	--	--	32 5	4	--	--	--	--	--	--
01/22/75	5001	7 C	9.6	7.2		3	--	--	--	--	--	--	--	--	--	--	--	--
1615	5050	432			--		--	--	--	--	30 5	4	--	--	--	--	--	--
02/04/75	5001	8 C	11.0	7.5		3	--	--	--	--	--	--	--	--	--	--	--	--
1600	5050	354			--		--	--	--	--	32 5	3	--	--	--	--	--	--
03/18/75	5001	12 C	9.1	7.5		3	--	--	--	--	--	--	--	--	--	--	--	--
1155	5050	412			--		--	--	--	--	31 5	4	--	--	--	--	--	--
04/01/75	5001	12 C	8.5	7.8		3	--	--	--	--	--	--	--	--	--	--	--	--
1210	5050	377			--		--	--	--	--	48 5	6	--	--	--	--	--	--
04/16/75	5001	13 C	9.0	7.8		3	--	--	--	--	--	--	--	--	--	--	--	--
1105	5050	284			--		--	--	--	--	32 5	5	--	--	--	--	--	--
05/01/75	5001	16 C	9.1	7.7		3	--	--	--	--	--	--	--	--	--	--	--	--
1225	5050	233			--		--	--	--	--	51 5	10	--	--	--	--	--	--
05/15/75	5001	18 C	8.7	7.8		3	--	--	--	--	--	--	--	--	--	--	--	--
1110	5050	235			--		--	--	--	--	63 5	10	--	--	--	--	--	--
06/03/75	5001	21 C	7.8	7.8		3	--	--	--	--	--	--	--	--	--	--	--	--
1635	5050	291			--		--	--	--	--	59 5	7	--	--	--	--	--	--
06/17/75	5001	21 C	8.0	7.6		3	--	--	--	--	--	--	--	--	--	--	--	--
1555	5050	220			--		--	--	--	--	52 5	8	--	--	--	--	--	--
07/01/75	5001	22 C	7.6	7.6		3	--	--	--	--	--	--	--	--	--	--	--	--
1525	5050	227			--		--	--	--	--	59 5	9	--	--	--	--	--	--
07/15/75	5001	23 C	7.1	7.6		3	--	--	--	--	--	--	--	--	--	--	--	--
1440	5050	208			--		--	--	--	--	66 5	6	--	--	--	--	--	--
08/12/75	5001	25.0C	7.1	7.6		3	--	--	--	--	--	--	--	--	--	--	--	--
1245	5050	178			--		--	--	--	--	42 5	9	--	--	--	--	--	--
08/25/75	5001	24 C	7.7	7.6		3	--	--	--	--	--	--	--	--	--	--	--	--
1100	5050	208			--		--	--	--	--	64 5	11	--	--	--	--	--	--
09/11/75	5001	23 C	7.8	8.5		3	--	--	--	--	--	--	--	--	--	--	--	--
1335	5050	221			--		--	--	--	--	41 5	6	--	--	--	--	--	--
09/26/75	5001	23 C	7.4			3	--	--	--	--	--	--	--	--	--	--	--	--
1315	5050	242			--		--	--	--	--	42 5	6	--	--	--	--	--	--

TABLE D-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.H.	F-PH L-PH	DISCH MGAS	DEPTH TURB	T-L CHLOR	O-D COLOR	SET 5 ML/L MG/L	BOD SUS S	COD V SUS S	CYANIDE PHENOLS	TOC DOC	IODIDE T ODOR	BROMIDE SULFITE	T SULF D SULF	CC EAT CA EAT
89 D 751.9 119.3 SAN JOAQUIN RIVER AT BRANUT BRIDGE																	
10/02/74 0915	SDJ1 SDJD	19 C 375	7.3	7.5	--	3	-- --	-- --	-- --	-- 30 5	-- 8	-- --	-- --	-- --	-- --	-- --	-- --
10/16/74 0910	SDJ1 SDJD	18 C 430	7.2	7.4	--	3	-- --	-- --	-- --	-- 25 5	-- 10	-- --	-- --	-- --	-- --	-- --	-- --
11/06/74 1315	SDJ1 SDJD	19 C 268	8.8	7.4	--	3	-- --	-- --	-- --	-- 22 5	-- 4	-- --	-- --	-- --	-- --	-- --	-- --
11/18/74 1150	SDJ1 SDJD	13 C 430	8.6	7.7	--	3	-- --	-- --	-- --	-- 18 5	-- 2	-- --	-- --	-- --	-- --	-- --	-- --
12/17/74 1140	SDJ1 SDJD	11 C 374	9.9	7.6	--	3	-- --	-- --	-- --	-- 20 5	-- 2	-- --	-- --	-- --	-- --	-- --	-- --
01/21/75 1440	SDJ1 SDJD	10 C 398	10.2	7.4	--	3	-- --	-- --	-- --	-- 15 5	-- 3	-- --	-- --	-- --	-- --	-- --	-- --
02/03/75 1335	SDJ1 SDJD	10 C 445	10.4		--	3	-- --	-- --	-- --	-- 16 5	-- 2	-- --	-- --	-- --	-- --	-- --	-- --
89 D 757.4 131.7 MIDDLE RIVER AT BACON ISLAND BRIDGE																	
10/01/74 0950	SDJ1 SDJD	21 C 355	6.1	7.6	--	3	-- --	-- --	-- --	-- 26 5	-- 2	-- --	-- --	-- --	-- --	-- --	-- --
10/16/74 0905	SDJ1 SDJD	19 C 326	6.0	7.5	--	3	-- --	-- --	-- --	-- 24 5	-- 8	-- --	-- --	-- --	-- --	-- --	-- --
11/06/74 1410	SDJ1 SDJD	15 C 325	7.6	7.4	--	3	-- --	-- --	-- --	-- 34 5	-- 2	-- --	-- --	-- --	-- --	-- --	-- --
11/18/74 1215	SDJ1 SDJD	14 C 352	7.0	7.4	--	3	-- --	-- --	-- --	-- 20 5	-- 1	-- --	-- --	-- --	-- --	-- --	-- --
12/17/74 1110	SDJ1 SDJD	10 C 374	7.8		--	3	-- --	-- --	-- --	-- 21 5	-- 3	-- --	-- --	-- --	-- --	-- --	-- --
02/03/75 1325	SDJ1 SDJD	8 C 391	10.6	7.1	--	3	-- --	-- --	-- --	-- 22 5	-- 2	-- --	-- --	-- --	-- --	-- --	-- --
89 D 758.2 134.3 OLD RIVER OPPOSITE RANCHO DEL RIO																	
10/01/74 1020	SDJ1 SDJD	20 C 202	8.1	7.8	--	3	-- --	-- --	-- --	1.5 B 32 5	-- 2	-- --	-- --	-- --	-- --	-- --	-- --
10/16/74 0935	SDJ1 SDJD	19 C 187	7.9	7.5	--	3	-- --	-- --	-- --	-- 25 5	-- 6	-- --	-- --	-- --	-- --	-- --	-- --
11/06/74 1440	SDJ1 SDJD	15 C 278	7.9	7.5	--	3	-- --	-- --	-- --	0.9 B 28 5	-- 4	-- --	-- --	-- --	-- --	-- --	-- --
11/18/74 1305	SDJ1 SDJD	14 C 317	8.1	7.5	--	3	-- --	-- --	-- --	-- 20 5	-- 0	-- --	-- --	-- --	-- --	-- --	-- --
12/17/74 1155	SDJ1 SDJD	10 C 338	9.2		--	3	-- --	-- --	-- --	1.2 B 27 5	-- 7	-- --	-- --	-- --	-- --	-- --	-- --
02/03/75 1410	SDJ1 SDJD	8 C 255	11.3	7.3	--	3	-- --	-- --	-- --	-- 19 5	-- 2	-- --	-- --	-- --	-- --	-- --	-- --
03/18/75 1050	SDJ1 SDJD	12 C 305	9.5	7.5	--	3	-- --	-- --	-- --	1.0 B 31 5	-- 7	-- --	-- --	-- --	-- --	-- --	-- --
04/01/75 1055	SDJ1 SDJD	11 C 258	9.1	7.9	--	3	-- --	-- --	-- --	1.6 B 56 5	-- 7	-- --	-- --	-- --	-- --	-- --	-- --
04/16/75 1005	SDJ1 SDJD	14 C 192	9.2	7.6	--	3	-- --	-- --	-- --	-- 34 5	-- 5	-- --	-- --	-- --	-- --	-- --	-- --
05/01/75 1125	SDJ1 SDJD	17 C 176	9.6	7.8	--	3	-- --	-- --	-- --	1.4 B 25 5	-- 6	-- --	-- --	-- --	-- --	-- --	-- --
05/15/75 1015	SDJ1 SDJD	18 C 135	9.3	8.3	--	3	-- --	-- --	-- --	-- 46 5	-- 8	-- --	-- --	-- --	-- --	-- --	-- --
06/03/75 1535	SDJ1 SDJD	23 C 198	7.0	7.6	--	3	-- --	-- --	-- --	1.1 B 50 5	-- 5	-- --	-- --	-- --	-- --	-- --	-- --
06/17/75 1455	SDJ1 SDJD	23 C 228	7.0	7.5	--	3	-- --	-- --	-- --	-- 47 5	-- 8	-- --	-- --	-- --	-- --	-- --	-- --
07/01/75 1420	SDJ1 SDJD	23 C 175	7.5	7.5	--	3	-- --	-- --	-- --	-- 40 5	-- 7	-- --	-- --	-- --	-- --	-- --	-- --
07/15/75 1340	SDJ1 SDJD	23 C 165	7.3	7.6	--	3	-- --	-- --	-- --	1.1 B 33 5	-- 6	-- --	-- --	-- --	-- --	-- --	-- --
08/12/75 1155	SDJ1 SDJD	24.0C 167	7.8	7.9	--	3	-- --	-- --	-- --	1.2 B 38 5	-- 9	-- --	-- --	-- --	-- --	-- --	-- --
08/25/75 1005	SDJ1 SDJD	24 C 222	8.3	7.8	--	3	-- --	-- --	-- --	-- 24 5	-- 9	-- --	-- --	-- --	-- --	-- --	-- --
09/11/75 1215	SDJ1 SDJD	22 C 206	8.3	8.5	--	3	-- --	-- --	-- --	1.4 B 30 5	-- 6	-- --	-- --	-- --	-- --	-- --	-- --
09/26/75 1225	SDJ1 SDJD	23 C 199	8.1		--	3	-- --	-- --	-- --	-- 19 5	-- 4	-- --	-- --	-- --	-- --	-- --	-- --
89 D 758.6 138.3 ROCK SLOUGH AT CONTRA COSTA CANAL INTAKE																	
10/03/74 0840	SDJ1 SDJD	20 C 191	6.7	7.4	--	3	-- --	-- --	-- --	-- 39 5	-- 6	-- --	-- --	-- --	-- --	-- --	-- --
10/17/74 0850	SDJ1 SDJD	19 C 183	6.9	7.3	--	3	-- --	-- --	-- --	-- 33 5	-- 9	-- --	-- --	-- --	-- --	-- --	-- --
11/07/74 1355	SDJ1 SDJD	14 C 235	7.9	7.1	--	3	-- --	-- --	-- --	-- 32 5	-- 8	-- --	-- --	-- --	-- --	-- --	-- --

TABLE D-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	DISCH MEAS	DEPTH TURB	T-L CHLOR	O-G COLOR	SET S ML/L MG/L	BOD SUS S	COD V SUS S	CYANIDE PHENOLS	TOC DOC	IODIDE T DOOR	BROMIDE SULFITE	T SULF O SULF	CC EXT CA EXT
89 D 758.6 138.3 ROCK SLOUGH AT CONTRA COSTA CANAL INTAKE												CONTINUED					
11/19/74	5001	14 C	8.0	7.1		3	--	--	--	--	--	--	--	--	--	--	--
1140	5050	350			--		--	--	--	25 5	2	--	--	--	--	--	--
12/18/74	5001	9 C	9.0	7.4		3	--	--	--	--	--	--	--	--	--	--	--
1100	5050	406			--		--	--	--	25 5	3	--	--	--	--	--	--
01/22/75	5001	7 C	9.7	7.3		3	--	--	--	--	--	--	--	--	--	--	--
1415	5050	325			--		--	--	--	22 5	2	--	--	--	--	--	--
02/04/75	5001	8 C	11.1	7.2		3	--	--	--	--	--	--	--	--	--	--	--
1350	5050	294			--		--	--	--	27 5	4	--	--	--	--	--	--
89 D 758.7 122.9 SAN JOAQUIN RIVER AT BUCKLEY COVE																	
10/01/74	5001	20 C	7.1	7.7		3	--	--	--	5.0 B	--	--	--	--	--	--	--
0850	5050	388			--		--	--	--	5 5	0	--	--	--	--	--	--
10/16/74	5001	18 C	5.9	7.7		3	--	--	--	--	--	--	--	--	--	--	--
0750	5050	510			--		--	--	--	28 5	7	--	--	--	--	--	--
11/06/74	5001	15 C	8.0	7.6		3	--	--	--	3.1 B	--	--	--	--	--	--	--
1310	5050	313			--		--	--	--	20 5	7	--	--	--	--	--	--
11/18/74	5001	14 C	8.7	7.6		3	--	--	--	--	--	--	--	--	--	--	--
1115	5050	405			--		--	--	--	12 5	0	--	--	--	--	--	--
12/17/74	5001	10 C	9.0	7.2		3	--	--	--	1.6 B	--	--	--	--	--	--	--
1005	5050	370			--		--	--	--	20 5	5	--	--	--	--	--	--
02/03/75	5001	9 C	11.1	7.4		3	--	--	--	2.9 B	--	--	--	--	--	--	--
1225	5050	508			--		--	--	--	14 5	8	--	--	--	--	--	--
03/18/75	5001	11 C	9.2	7.5		3	--	--	--	2.8 B	--	--	--	--	--	--	--
0935	5050	335			--		--	--	--	32 5	7	--	--	--	--	--	--
04/01/75	5001	12 C	8.6	7.7		3	--	--	--	2.1 B	--	--	--	--	--	--	--
0915	5050	315			--		--	--	--	46 5	7	--	--	--	--	--	--
04/16/75	5001	15 C	8.7	7.2		3	--	--	--	--	--	--	--	--	--	--	--
0835	5050	395			--		--	--	--	22 5	3	--	--	--	--	--	--
05/01/75	5001	17 C	9.9	8.1		3	--	--	--	4.0 B	--	--	--	--	--	--	--
0955	5050	549			--		--	--	--	26 5	8	--	--	--	--	--	--
05/15/75	5001	20 C	8.9	8.2		3	--	--	--	--	--	--	--	--	--	--	--
0855	5050	453			--		--	--	--	35 5	9	--	--	--	--	--	--
06/03/75	5001	22 C	8.5	8.1		3	--	--	--	3.2 B	--	--	--	--	--	--	--
1400	5050	333			--		--	--	--	45 5	4	--	--	--	--	--	--
06/17/75	5001	22 C	7.5	7.6		3	--	--	--	--	--	--	--	--	--	--	--
1330	5050	187			--		--	--	--	53 5	18	--	--	--	--	--	--
07/01/75	5001	23 C	6.4	7.5		3	--	--	--	--	--	--	--	--	--	--	--
1305	5050	415			--		--	--	--	31 5	6	--	--	--	--	--	--
07/15/75	5001	24 C	6.8	7.7		3	--	--	--	2.4 B	--	--	--	--	--	--	--
1200	5050	560			--		--	--	--	26 5	7	--	--	--	--	--	--
08/12/75	5001	26.0C	8.3	8.0		3	--	--	--	2.7 B	--	--	--	--	--	--	--
1015	5050	426			--		--	--	--	38 5	11	--	--	--	--	--	--
08/25/75	5001	25 C	5.3	7.6		3	--	--	--	--	--	--	--	--	--	--	--
0855	5050	566			--		--	--	--	25 5	8	--	--	--	--	--	--
09/11/75	5001	24 C	5.0	8.2		3	--	--	--	4.5 B	--	--	--	--	--	--	--
1100	5050	620			--		--	--	--	27 5	7	--	--	--	--	--	--
09/26/75	5001	24 C	2.5			3	--	--	--	--	--	--	--	--	--	--	--
1105	5050	512			--		--	--	--	18 5	5	--	--	--	--	--	--
89 D 758.8 128.5 TURNER CUT AT MCDONALD ISLAND FERRY																	
3/25/74	5001	19 C	7.3	7.3		3	--	--	--	--	--	--	--	--	--	--	--
1010	5050	408			--		--	--	--	34 5	7	--	--	--	--	--	--
10/01/74	5001	21 C	4.5	7.5		3	--	--	--	--	--	--	--	--	--	--	--
0925	5050	403			--		--	--	--	24 5	2	--	--	--	--	--	--
10/16/74	5001	18 C	4.8	7.6		3	--	--	--	--	--	--	--	--	--	--	--
0820	5050	435			--		--	--	--	37 5	8	--	--	--	--	--	--
11/06/74	5001	15 C	7.1	7.4		3	--	--	--	--	--	--	--	--	--	--	--
1340	5050	360			--		--	--	--	37 5	10	--	--	--	--	--	--
11/18/74	5001	14 C	7.0	7.5		3	--	--	--	--	--	--	--	--	--	--	--
1150	5050	378			--		--	--	--	24 5	1	--	--	--	--	--	--
12/17/74	5001	11 C	8.0			3	--	--	--	--	--	--	--	--	--	--	--
1040	5050	348			--		--	--	--	31 5	5	--	--	--	--	--	--
02/03/75	5001	9 C	10.8	7.2		3	--	--	--	--	--	--	--	--	--	--	--
1300	5050	462			--		--	--	--	22 5	3	--	--	--	--	--	--
89 D 861.1 142.6 BIG BREAK NEAR OAKLEY																	
10/09/74	5001	18 C	9.4	7.9		3	--	--	--	0.2 B	--	--	--	--	--	--	--
1205	5050	166			--		--	--	--	28 5	10	--	--	--	--	--	--
10/23/74	5001	18 C	9.0	7.8		3	--	--	--	--	--	--	--	--	--	--	--
1140	5050	142			--		--	--	--	30 5	5	--	--	--	--	--	--
11/21/74	5001	13 C	9.2	7.8		3	--	--	--	1.0 B	--	--	--	--	--	--	--
1200	5050	182			--		--	--	--	10 5	7	--	--	--	--	--	--
12/11/74	5001	10 C	9.9	7.2		3	--	--	--	1.4 B	--	--	--	--	--	--	--
1535	5050	177			--		--	--	--	14 5	4	--	--	--	--	--	--
01/08/75	5001	8 C	11.3	7.9		3	--	--	--	1.6 B	--	--	--	--	--	--	--
1425	5050	231			--		--	--	--	38 5	7	--	--	--	--	--	--

TABLE D-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

SET 5

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	DISCH MGAS	DEPTH TURB	T+L CHLOR	O+G COLOR	ML/L MG/L	BOD SUS S	COD V SUS S	CYANIDE PHENOLS	TOC DOC	IODIDE T ODOR	BROMIDE SULFITE	T SULF D SULF	CC EXT CA EXT
89 D 801.1 142.6 BIG BREAK NEAR OAKLEY												CONTINUED					
02/06/75	5001	9 C	11.0	7.7		3	--	--	--	1.3 C	--	--	--	--	--	--	--
1445	5050	219			--		--	--	--	22 5	6	--	--	--	--	--	--
03/20/75	5001	11 C	10.1	7.8		3	--	--	--	1.1 B	--	--	--	--	--	--	--
1055	5050	256			--		--	--	--	46 5	7	--	--	--	--	--	--
04/03/75	5001	12 C	10.1	7.9		3	--	--	--	1.5 B	--	--	--	--	--	--	--
1145	5050	203			--		--	--	--	46 5	4	--	--	--	--	--	--
04/23/75	5001	16 C	10.3	8.0		3	--	--	--	--	--	--	--	--	--	--	--
1605	5050	178			--		--	--	--	34 5	5	--	--	--	--	--	--
05/08/75	5001	18 C	11.0	8.8		3	--	--	--	2.7 B	--	--	--	--	--	--	--
1625	5050	143			--		--	--	--	26 5	4	--	--	--	--	--	--
05/22/75	5001	20 C	10.0	8.4		3	--	--	--	--	--	--	--	--	--	--	--
1640	5050	160			--		--	--	--	32 5	7	--	--	--	--	--	--
06/05/75	5001	23 C	8.4	8.0		3	--	--	--	2.2 B	--	--	--	--	--	--	--
1700	5050	173			--		--	--	--	68 5	8	--	--	--	--	--	--
08/19/75	5001	20 C	8.6	7.6		3	--	--	--	--	--	--	--	--	--	--	--
1450	5050	152			--		--	--	--	40 5	5	--	--	--	--	--	--
07/03/75	5001	21 C	8.7	7.9		3	--	--	--	--	--	--	--	--	--	--	--
1400	5050	152			--		--	--	--	38 5	6	--	--	--	--	--	--
07/17/75	5001	23 C	8.5	7.8		3	--	--	--	0.9 B	--	--	--	--	--	--	--
1505	5050	176			--		--	--	--	39 5	7	--	--	--	--	--	--
08/14/75	5001	21 C	8.9	8.3		3	--	--	--	1.1 B	--	--	--	--	--	--	--
1200	5050	330			--		--	--	--	43 5	10	--	--	--	--	--	--
08/27/75	5001	20 C	8.3	8.1		3	--	--	--	--	--	--	--	--	--	--	--
0920	5050	350			--		--	--	--	46 5	7	--	--	--	--	--	--
09/03/75	5001	25 C	9.6	8.3		3	--	--	--	1.5 C	--	--	--	--	--	--	--
1725	5050	258			--		--	--	--	21 5	5	--	--	--	--	--	--
09/17/75	5001	21 C	9.1	8.1		3	--	--	--	--	--	--	--	--	--	--	--
1635	5050	243			--		--	--	--	35 5	6	--	--	--	--	--	--
89 D 801.2 148.5 SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL																	
10/09/74	5001	19 C	8.6	7.9		3	--	--	--	0.9 B	--	--	--	--	--	--	--
1135	5050	178			--		--	--	--	38 5	11	--	--	--	--	--	--
10/09/74	5001	20 C				34	--	--	--	--	--	--	--	--	--	--	--
1136	5050	183			--		--	--	--	73 5	15	--	--	--	--	--	--
10/23/74	5001	18 C	8.2	7.7		3	--	--	--	--	--	--	--	--	--	--	--
1105	5050	175			--		--	--	--	42 5	11	--	--	--	--	--	--
10/23/74	5001	18 C				35	--	--	--	--	--	--	--	--	--	--	--
1106	5050	176			--		--	--	--	53 5	8	--	--	--	--	--	--
11/21/74	5001	14 C	8.9	7.8		3	--	--	--	0.8 B	--	--	--	--	--	--	--
1135	5050	175			--		--	--	--	20 5	8	--	--	--	--	--	--
11/21/74	5001	14 C				30	--	--	--	--	--	--	--	--	--	--	--
1136	5050	730			--		--	--	--	54 5	14	--	--	--	--	--	--
12/11/74	5001	10 C	9.8	7.5		3	--	--	--	1.1 B	--	--	--	--	--	--	--
1505	5050	138			--		--	--	--	28 5	4	--	--	--	--	--	--
12/11/74	5001	10 C				33	--	--	--	--	--	--	--	--	--	--	--
1506	5050	147			--		--	--	--	37 5	6	--	--	--	--	--	--
01/08/75	5001	8 C	11.5	7.8		3	--	--	--	1.6 B	--	--	--	--	--	--	--
1355	5050	273			--		--	--	--	40 5	6	--	--	--	--	--	--
01/08/75	5001	8 C				35	--	--	--	--	--	--	--	--	--	--	--
1356	5050	285			--		--	--	--	46 5	7	--	--	--	--	--	--
02/06/75	5001	9 C	10.4	7.7		3	--	--	--	1.3 B	--	--	--	--	--	--	--
1415	5050	342			--		--	--	--	34 5	6	--	--	--	--	--	--
02/06/75	5001	9 C				34	--	--	--	--	--	--	--	--	--	--	--
1416	5050	341			--		--	--	--	47 5	8	--	--	--	--	--	--
03/20/75	5001	12 C	9.7	7.6		3	--	--	--	1.0 B	--	--	--	--	--	--	--
1025	5050	222			--		--	--	--	55 5	8	--	--	--	--	--	--
03/20/75	5001	12 C				31	--	--	--	--	--	--	--	--	--	--	--
1026	5050	218			--		--	--	--	61 5	5	--	--	--	--	--	--
04/03/75	5001	12 C	10.1	7.8		3	--	--	--	1.3 B	--	--	--	--	--	--	--
1115	5050	185			--		--	--	--	59 5	4	--	--	--	--	--	--
04/03/75	5001	12 C				35	--	--	--	--	--	--	--	--	--	--	--
1116	5050	188			--		--	--	--	80 5	6	--	--	--	--	--	--
04/23/75	5001	15 C	9.7	7.9		3	--	--	--	--	--	--	--	--	--	--	--
1535	5050	179			--		--	--	--	41 5	9	--	--	--	--	--	--
04/23/75	5001	15 C				30	--	--	--	--	--	--	--	--	--	--	--
1536	5050	181			--		--	--	--	53 5	5	--	--	--	--	--	--
05/08/75	5001	16 C	10.1	8.1		3	--	--	--	2.1 B	--	--	--	--	--	--	--
1555	5050	166			--		--	--	--	43 5	6	--	--	--	--	--	--
05/08/75	5001	17 C				30	--	--	--	--	--	--	--	--	--	--	--
1556	5050	163			--		--	--	--	54 5	10	--	--	--	--	--	--
05/22/75	5001	18 C	9.5	8.2		3	--	--	--	--	--	--	--	--	--	--	--
1609	5050	179			--		--	--	--	32 5	7	--	--	--	--	--	--
05/22/75	5001	19 C				49	--	--	--	--	--	--	--	--	--	--	--
1606	5050	165			--		--	--	--	33 5	8	--	--	--	--	--	--

TABLE D-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	DISCH MBAS	DEPTH TURB	T+L CHLOR	O+G COLOR	SET 5 ML/L MB/L	BOD SUS 5	COD V SUS 5	CYANIDE PHENOLS	TOC DOC	IODIDE T ODOR	BROMIDE SULFITE	T SULF D SULF	CC EXT CA EXT
R9 D 801.2 148.5 SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL CONTINUED																	
06/05/75	5001	21 C	8.7	8.0		3	--	--	--	1.3 B	--	--	--	--	--	--	--
1625	5050	167			--		--	--	--	38 5	5	--	--	--	--	--	--
06/05/75	5001	22 C				32	--	--	--	--	--	--	--	--	--	--	--
1626	5050	169			--		--	--	--	69 5	6	--	--	--	--	--	--
06/19/75	5001	20 C	8.3	7.7		3	--	--	--	--	--	--	--	--	--	--	--
1420	5050	157			--		--	--	--	47 5	7	--	--	--	--	--	--
06/19/75	5001	20 C				31	--	--	--	--	--	--	--	--	--	--	--
1421	5050	157			--		--	--	--	49 5	7	--	--	--	--	--	--
07/03/75	5001	20 C	8.8	7.8		3	--	--	--	--	--	--	--	--	--	--	--
1335	5050	169			--		--	--	--	36 5	6	--	--	--	--	--	--
07/03/75	5001	22 C				32	--	--	--	--	--	--	--	--	--	--	--
1336	5050	268			--		--	--	--	42 5	7	--	--	--	--	--	--
07/17/75	5001	22 C	7.6	7.9		3	--	--	--	1.0 B	--	--	--	--	--	--	--
1430	5050	426			--		--	--	--	40 5	7	--	--	--	--	--	--
07/17/75	5001	23 C				21	--	--	--	--	--	--	--	--	--	--	--
1431	5050	459			--		--	--	--	52 5	8	--	--	--	--	--	--
08/14/75	5001	21 C	8.1	8.1		3	--	--	--	1.0 B	--	--	--	--	--	--	--
1130	5050	1150			--		--	--	--	59 5	12	--	--	--	--	--	--
08/14/75	5001	21 C				33	--	--	--	--	--	--	--	--	--	--	--
1131	5050	1370			--		--	--	--	72 5	12	--	--	--	--	--	--
08/27/75	5001	22 C	7.4	7.9		3	--	--	--	--	--	--	--	--	--	--	--
0855	5050	707			--		--	--	--	55 5	8	--	--	--	--	--	--
08/27/75	5001	21 C				27	--	--	--	--	--	--	--	--	--	--	--
0856	5050	775			--		--	--	--	55 5	6	--	--	--	--	--	--
09/03/75	5001	22 C	7.4	7.8		3	--	--	--	1.0 C	--	--	--	--	--	--	--
1640	5050	527			--		--	--	--	36 5	7	--	--	--	--	--	--
09/03/75	5001	24 C				32	--	--	--	--	--	--	--	--	--	--	--
1641	5050	851			--		--	--	--	78 5	12	--	--	--	--	--	--
09/17/75	5001	20 C	8.0	8.0		3	--	--	--	--	--	--	--	--	--	--	--
1605	5050	469			--		--	--	--	37 5	6	--	--	--	--	--	--
09/17/75	5001	20 C				34	--	--	--	--	--	--	--	--	--	--	--
1606	5050	471			--		--	--	--	60 5	6	--	--	--	--	--	--
R9 D 802.6 125.1 DISAPPOINTMENT SLOUGH AT BISHOP CUT																	
10/02/74	5001	20 C	6.8	7.2		3	--	--	--	--	--	--	--	--	--	--	--
0800	5050	172			--		--	--	--	41 5	8	--	--	--	--	--	--
10/16/74	5001	17 C	7.1	7.2		3	--	--	--	--	--	--	--	--	--	--	--
0745	5050	142			--		--	--	--	36 5	10	--	--	--	--	--	--
11/06/74	5001	15 C	7.9	7.3		3	--	--	--	--	--	--	--	--	--	--	--
1225	5050	231			--		--	--	--	26 5	3	--	--	--	--	--	--
11/18/74	5001	14 C	7.6	7.4		3	--	--	--	--	--	--	--	--	--	--	--
1040	5050	240			--		--	--	--	31 5	5	--	--	--	--	--	--
12/17/74	5001	10 C	7.8	7.4		3	--	--	--	--	--	--	--	--	--	--	--
1015	5050	277			--		--	--	--	27 5	6	--	--	--	--	--	--
01/21/75	5001	8 C	8.4	7.2		3	--	--	--	--	--	--	--	--	--	--	--
1335	5050	372			--		--	--	--	29 5	6	--	--	--	--	--	--
02/03/75	5001	8 C	10.7			3	--	--	--	--	--	--	--	--	--	--	--
1240	5050	407			--		--	--	--	32 5	4	--	--	--	--	--	--
03/18/75	5001	11 C	7.2	8.1		3	--	--	--	--	--	--	--	--	--	--	--
0805	5050	289			--		--	--	--	66 5	9	--	--	--	--	--	--
04/01/75	5001	11 C	9.0	7.7		3	--	--	--	--	--	--	--	--	--	--	--
0955	5050	365			--		--	--	--	46 5	8	--	--	--	--	--	--
04/18/75	5001	14 C	9.9	7.8		3	--	--	--	--	--	--	--	--	--	--	--
1020	5050	317			--		--	--	--	36 5	5	--	--	--	--	--	--
05/01/75	5001	17 C	9.7	7.7		3	--	--	--	--	--	--	--	--	--	--	--
1005	5050	229			--		--	--	--	39 5	7	--	--	--	--	--	--
05/15/75	5001	17 C	7.7	7.4		3	--	--	--	--	--	--	--	--	--	--	--
0830	5050	144			--		--	--	--	63 5	10	--	--	--	--	--	--
06/03/75	5001	22 C	7.2	7.3		3	--	--	--	--	--	--	--	--	--	--	--
1345	5050	185			--		--	--	--	52 5	4	--	--	--	--	--	--
06/17/75	5001	21 C	6.6	7.5		3	--	--	--	--	--	--	--	--	--	--	--
1255	5050	215			--		--	--	--	63 5	9	--	--	--	--	--	--
07/01/75	5001	22 C	6.2	7.7		3	--	--	--	--	--	--	--	--	--	--	--
1205	5050	234			--		--	--	--	54 5	8	--	--	--	--	--	--
07/15/75	5001	22 C	5.8	8.1		3	--	--	--	--	--	--	--	--	--	--	--
1130	5050	237			--		--	--	--	64 5	9	--	--	--	--	--	--
08/12/75	5001	21.0C	7.1	6.8		3	--	--	--	--	--	--	--	--	--	--	--
1135	5050	260			--		--	--	--	50 5	11	--	--	--	--	--	--
08/26/75	5001	24 C	6.6	7.4		3	--	--	--	--	--	--	--	--	--	--	--
0905	5050	228			--		--	--	--	36 5	7	--	--	--	--	--	--
09/11/75	5001	22 C	7.1	7.7		3	--	--	--	--	--	--	--	--	--	--	--
1035	5050	221			--		--	--	--	24 5	3	--	--	--	--	--	--
09/25/75	5001	23 C	6.3	7.6		3	--	--	--	--	--	--	--	--	--	--	--
1020	5050	250			--		--	--	--	35 5	8	--	--	--	--	--	--

TABLE D-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO O.M.	F-PH L-PH	DISCH MGAS	DEPTH TURB	T-L CHLOR	O-G COLOR	SET 5 ML/L MG/L	BOD SUS 5	COD V SUS 5	CYANIDE PHENOLS	TOC DOC	IODIDE T DOOR	BROMIDE SULFITE	T SULF O SULF	CC EAT CA EAT
89 D 802.6 136.8 FRANKS TRACT NEAR RUSSOS LANDING																	
10/08/74 1205	SOUI SOSO	18 C 160	8.8	7.9	--	3	-- --	-- --	-- --	-- 27 5	-- 3	-- --	-- --	-- --	-- --	-- --	-- --
10/22/74 1235	SOUI SOSO	18 C 138	8.8	7.7	--	3	-- --	-- --	-- --	-- 22 5	-- 4	-- --	-- --	-- --	-- --	-- --	-- --
11/20/74 1120	SOUI SOSO	13 C 201	9.0	7.7	--	3	-- --	-- --	-- --	-- 9 5	-- 4	-- --	-- --	-- --	-- --	-- --	-- --
12/10/74 1530	SOUI SOSO	10 C 202	9.6	7.6	--	3	-- --	-- --	-- --	-- 16 5	-- 7	-- --	-- --	-- --	-- --	-- --	-- --
01/07/75 1445	SOUI SOSO	7 C 209	11.2	7.6	--	3	-- --	-- --	-- --	-- 17 5	-- 1	-- --	-- --	-- --	-- --	-- --	-- --
02/05/75 1355	SOUI SOSO	8 C 211	11.0	7.3	--	3	-- --	-- --	-- --	-- 23 5	-- 5	-- --	-- --	-- --	-- --	-- --	-- --
03/19/75 1035	SOUI SOSO	12 C 263		7.6	--	3	-- --	-- --	-- --	-- 40 5	-- 4	-- --	-- --	-- --	-- --	-- --	-- --
04/02/75 1055	SOUI SOSO	12 C 266	10.1	7.8	--	3	-- --	-- --	-- --	-- 41 5	-- 5	-- --	-- --	-- --	-- --	-- --	-- --
04/22/75 1605	SOUI SOSO	15 C 168	10.0	7.8	--	3	-- --	-- --	-- --	-- 29 5	-- 4	-- --	-- --	-- --	-- --	-- --	-- --
05/07/75 1610	SOUI SOSO	17 C 139	10.5	8.2	--	3	-- --	-- --	-- --	-- 42 5	-- 8	-- --	-- --	-- --	-- --	-- --	-- --
05/21/75 1525	SOUI SOSO	18 C 137	9.9	8.2	--	3	-- --	-- --	-- --	-- 40 5	-- 10	-- --	-- --	-- --	-- --	-- --	-- --
06/04/75 1440	SOUI SOSO	24 C 167	10.0	8.4	--	3	-- --	-- --	-- --	-- 30 5	-- 4	-- --	-- --	-- --	-- --	-- --	-- --
06/18/75 1410	SOUI SOSO	21 C 154	8.6	7.8	--	3	-- --	-- --	-- --	-- 47 5	-- 8	-- --	-- --	-- --	-- --	-- --	-- --
07/02/75 1310	SOUI SOSO	21 C 146	8.5	7.8	--	3	-- --	-- --	-- --	-- 38 5	-- 7	-- --	-- --	-- --	-- --	-- --	-- --
07/16/75 1435	SOUI SOSO	22 C 103	7.9	7.9	--	3	-- --	-- --	-- --	-- 40 5	-- 9	-- --	-- --	-- --	-- --	-- --	-- --
08/13/75 1120	SOUI SOSO	22 C 202	8.4	8.0	--	3	-- --	-- --	-- --	-- 42 5	-- 10	-- --	-- --	-- --	-- --	-- --	-- --
08/26/75 1000	SOUI SOSO	22 C 211	8.3	8.0	--	3	-- --	-- --	-- --	-- 37 5	-- 6	-- --	-- --	-- --	-- --	-- --	-- --
09/02/75 1550	SOUI SOSO	24 C 230	10.2	8.5	--	3	-- --	-- --	-- --	-- 20 5	-- 3	-- --	-- --	-- --	-- --	-- --	-- --
09/10/75 1610	SOUI SOSO	21 C 204	9.5	8.2	--	3	-- --	-- --	-- --	-- 20 5	-- 3	-- --	-- --	-- --	-- --	-- --	-- --
89 O 802.6 147.6 SHERMAN LAKE NEAR ANTIOCH																	
10/08/74 1020	SOUI SOSO	19 C 186	8.2	7.8	--	3	-- --	-- --	-- --	-- 34 5	-- 2	-- --	-- --	-- --	-- --	-- --	-- --
10/22/74 1045	SOUI SOSO	18 C 160	8.3	7.6	--	3	-- --	-- --	-- --	-- 22 5	-- 3	-- --	-- --	-- --	-- --	-- --	-- --
11/20/74 0935	SOUI SOSO	14 C 184	8.7	7.7	--	3	-- --	-- --	-- --	-- 11 5	-- 3	-- --	-- --	-- --	-- --	-- --	-- --
12/10/74 1325	SOUI SOSO	10 C 148	9.5	7.0	--	3	-- --	-- --	-- --	-- 23 5	-- 7	-- --	-- --	-- --	-- --	-- --	-- --
01/07/75 1240	SOUI SOSO	7 C 235	12.1	7.6	--	3	-- --	-- --	-- --	-- 19 5	-- 1	-- --	-- --	-- --	-- --	-- --	-- --
02/05/75 1145	SOUI SOSO	9 C 294	10.8	7.2	--	3	-- --	-- --	-- --	-- 28 5	-- 3	-- --	-- --	-- --	-- --	-- --	-- --
03/19/75 0800	SOUI SOSO	11 C 197	10.1	7.6	--	3	-- --	-- --	-- --	-- 62 5	-- 5	-- --	-- --	-- --	-- --	-- --	-- --
04/02/75 0835	SOUI SOSO	11 C 149	10.0	7.7	--	3	-- --	-- --	-- --	-- 74 5	-- 6	-- --	-- --	-- --	-- --	-- --	-- --
04/22/75 1340	SOUI SOSO	14 C 180	9.5	7.9	--	3	-- --	-- --	-- --	-- 46 5	-- 5	-- --	-- --	-- --	-- --	-- --	-- --
05/07/75 1420	SOUI SOSO	16 C 141	9.7	7.8	--	3	-- --	-- --	-- --	-- 51 5	-- 8	-- --	-- --	-- --	-- --	-- --	-- --
05/21/75 1335	SOUI SOSO	17 C 144	9.4	8.1	--	3	-- --	-- --	-- --	-- 42 5	-- 6	-- --	-- --	-- --	-- --	-- --	-- --
06/04/75 1300	SOUI SOSO	21 C 158	8.8	7.8	--	3	-- --	-- --	-- --	-- 30 5	-- 3	-- --	-- --	-- --	-- --	-- --	-- --
06/18/75 1220	SOUI SOSO	20 C 140	8.6	7.8	--	3	-- --	-- --	-- --	-- 64 5	-- 9	-- --	-- --	-- --	-- --	-- --	-- --
07/02/75 1110	SOUI SOSO	20 C 159	8.7	8.0	--	3	-- --	-- --	-- --	-- 46 5	-- 6	-- --	-- --	-- --	-- --	-- --	-- --
07/16/75 1050	SOUI SOSO	21 C 425	8.0	7.8	--	3	-- --	-- --	-- --	-- 42 5	-- 7	-- --	-- --	-- --	-- --	-- --	-- --
08/13/75 0930	SOUI SOSO	20 C 870	8.2	8.0	--	3	-- --	-- --	-- --	-- 71 5	-- 12	-- --	-- --	-- --	-- --	-- --	-- --
08/26/75 0720	SOUI SOSO	21 C 832	8.1	7.9	--	3	-- --	-- --	-- --	-- 64 5	-- 13	-- --	-- --	-- --	-- --	-- --	-- --

TABLE D-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	DISCH MGAS	DEPTH TURB	T-L CHLOR	O-G COLOR	SET S ML/L MG/L	BOD SUS S	COD V SUS S	CYANIDE PHENOLS	TOC DOC	IODIDE T OOOR	BROMIDE SULFITE	T SULF D SULF	CC EXT CA EXT
		89 D 802.6 147.6			SHERMAN LAKE NEAR ANTIOCH							CONTINUED					
09/02/75 1400	5001 5050	27 C 498	8.0	7.9	--	3	-- --	-- --	-- --	-- 40 5	-- 5	-- --	-- --	-- --	-- --	-- --	-- --
09/16/75 1410	5001 5050	20 C 416	8.3	8.0	--	3	-- --	-- --	-- --	-- 4 5	-- 3	-- --	-- --	-- --	-- --	-- --	-- --
		89 D 802.9 132.0			SAN JOAQUIN RIVER NEAR MOUTH OF MIDDLE RIVER												
10/01/74 0800	5001 5050	20 C 208	7.9	7.6	--	3	-- --	-- --	-- --	-- 26 5	-- 3	-- --	-- --	-- --	-- --	-- --	-- --
10/16/74 0700	5001 5050	18 C 161	7.8	7.6	--	3	-- --	-- --	-- --	-- 24 5	-- 8	-- --	-- --	-- --	-- --	-- --	-- --
11/06/74 1230	5001 5050	15 C 219	8.1	7.4	--	3	-- --	-- --	-- --	-- 19 5	-- 2	-- --	-- --	-- --	-- --	-- --	-- --
11/18/74 1030	5001 5050	14 C 210	8.2	7.7	--	3	-- --	-- --	-- --	-- 14 5	-- 0	-- --	-- --	-- --	-- --	-- --	-- --
12/17/74 0905	5001 5050	10 C 253	9.1	7.2	--	3	-- --	-- --	-- --	-- 20 5	-- 6	-- --	-- --	-- --	-- --	-- --	-- --
02/03/75 1130	5001 5050	8 C 225	11.5	7.3	--	3	-- --	-- --	-- --	-- 17 5	-- 2	-- --	-- --	-- --	-- --	-- --	-- --
		89 O 803.1 141.3			SAN JOAQUIN RIVER AT JERSEY POINT												
10/08/74 1145	5001 5050	19 C 155	8.6	8.0	--	3	-- --	-- --	-- --	-- 18 5	-- 1	-- --	-- --	-- --	-- --	-- --	-- --
10/22/74 1210	5001 5050	18 C 148	8.4	7.7	--	3	-- --	-- --	-- --	-- 23 5	-- 4	-- --	-- --	-- --	-- --	-- --	-- --
11/20/74 1100	5001 5050	13 C 177	9.1	7.7	--	3	-- --	-- --	-- --	-- 13 5	-- 4	-- --	-- --	-- --	-- --	-- --	-- --
12/10/74 1500	5001 5050	11 C 178	9.6	7.6	--	3	-- --	-- --	-- --	-- 10 5	-- 8	-- --	-- --	-- --	-- --	-- --	-- --
01/07/75 1420	5001 5050	7 C 230	11.0	7.7	--	3	-- --	-- --	-- --	-- 18 5	-- 3	-- --	-- --	-- --	-- --	-- --	-- --
02/05/75 1330	5001 5050	8 C 223	10.8	7.4	--	3	-- --	-- --	-- --	-- 24 5	-- 7	-- --	-- --	-- --	-- --	-- --	-- --
03/19/75 1010	5001 5050	11 C 230	9.7	7.6	--	3	-- --	-- --	-- --	-- 58 5	-- 5	-- --	-- --	-- --	-- --	-- --	-- --
04/02/75 1025	5001 5050	11 C 183	10.3	7.7	--	3	-- --	-- --	-- --	-- 68 5	-- 6	-- --	-- --	-- --	-- --	-- --	-- --
04/22/75 1640	5001 5050	14 C 171	9.8	7.8	--	3	-- --	-- --	-- --	-- 32 5	-- 5	-- --	-- --	-- --	-- --	-- --	-- --
05/07/75 1550	5001 5050	16 C 143	10.0	8.0	--	3	-- --	-- --	-- --	-- 40 5	-- 8	-- --	-- --	-- --	-- --	-- --	-- --
05/21/75 1500	5001 5050	17 C 134	9.3	8.0	--	3	-- --	-- --	-- --	-- 32 5	-- 5	-- --	-- --	-- --	-- --	-- --	-- --
06/04/75 1420	5001 5050	21 C 161	8.7	7.9	--	3	-- --	-- --	-- --	-- 184 5	-- 4	-- --	-- --	-- --	-- --	-- --	-- --
06/18/75 1345	5001 5050	20 C 146	8.5	8.0	--	3	-- --	-- --	-- --	-- 40 5	-- 8	-- --	-- --	-- --	-- --	-- --	-- --
07/02/75 1245	5001 5050	20 C 149	8.5	7.8	--	3	-- --	-- --	-- --	-- 44 5	-- 5	-- --	-- --	-- --	-- --	-- --	-- --
07/16/75 1215	5001 5050	22 C 174	8.4	7.9	--	3	-- --	-- --	-- --	-- 34 5	-- 7	-- --	-- --	-- --	-- --	-- --	-- --
08/13/75 1100	5001 5050	22 C 357	8.0	8.0	--	3	-- --	-- --	-- --	-- 38 5	-- 9	-- --	-- --	-- --	-- --	-- --	-- --
08/26/75 0935	5001 5050	22 C 342	8.2	7.8	--	3	-- --	-- --	-- --	-- 32 5	-- 5	-- --	-- --	-- --	-- --	-- --	-- --
09/02/75 1530	5001 5050	22 C 278	8.2	8.0	--	3	-- --	-- --	-- --	-- 21 5	-- 3	-- --	-- --	-- --	-- --	-- --	-- --
09/16/75 1540	5001 5050	20 C 246	8.3	8.0	--	3	-- --	-- --	-- --	-- 22 5	-- 4	-- --	-- --	-- --	-- --	-- --	-- --
		89 O 804.8 149.2			SACRAMENTO RIVER ABOVE POINT SACRAMENTO												
10/08/74 1000	5001 5050	19 C 175	8.2	7.7	--	3	-- --	-- --	-- --	1.9 B 29 5	-- 2	-- --	-- --	-- --	-- --	-- --	-- --
10/22/74 1015	5001 5050	18 C 189	8.0	7.7	--	3	-- --	-- --	-- --	-- 35 5	-- 4	-- --	-- --	-- --	-- --	-- --	-- --
11/20/74 0900	5001 5050	13 C 152	9.0	7.7	--	3	-- --	-- --	-- --	1.5 B 20 5	-- 0	-- --	-- --	-- --	-- --	-- --	-- --
12/10/74 1305	5001 5050	11 C 145	9.6	7.6	--	3	-- --	-- --	-- --	1.6 B 40 5	-- 10	-- --	-- --	-- --	-- --	-- --	-- --
01/07/75 1215	5001 5050	7 C 344	11.0	7.2	--	3	-- --	-- --	-- --	1.2 B 28 5	-- 3	-- --	-- --	-- --	-- --	-- --	-- --
02/05/75 1120	5001 5050	8 C 257	10.9	7.3	--	3	-- --	-- --	-- --	1.5 B 26 5	-- 7	-- --	-- --	-- --	-- --	-- --	-- --
03/19/75 0730	5001 5050	11 C 201	10.0	7.6	--	3	-- --	-- --	-- --	1.3 B 59 5	-- 10	-- --	-- --	-- --	-- --	-- --	-- --
04/02/75 0800	5001 5050	11 C 146	9.8	7.9	--	3	-- --	-- --	-- --	1.4 B 82 5	-- 6	-- --	-- --	-- --	-- --	-- --	-- --

TABLE D-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	DISCH MGAS	DEPTH TURB	T+L CHLOR	O+D COLOR	SET S ML/L MG/L	BOD SUS S	COD V SUS S	CYANIDE PHENOLS	TOC DOC	IODIDE T OUOR	BROMIDE SULFITE	T SULF D SULF	CC EAT CA EXT
99 D 803.8 149.2 SACRAMENTO RIVER ABOVE POINT SACRAMENTO CONTINUED																	
04/22/75	5001	14 C	9.9	7.9		3	--	--	--	--	--	--	--	--	--	--	--
1305	5050	174			--		--	--	--	46 5	6	--	--	--	--	--	--
05/07/75	5001	15 C	9.4	7.8		3	--	--	--	1.7 R	--	--	--	--	--	--	--
1345	5050	146			--		--	--	--	34 5	5	--	--	--	--	--	--
05/21/75	5001	17 C	9.2	8.0		3	--	--	--	--	--	--	--	--	--	--	--
1300	5050	139			--		--	--	--	46 5	4	--	--	--	--	--	--
06/04/75	5001	20 C	8.8	7.9		3	--	--	--	1.6 R	--	--	--	--	--	--	--
1235	5050	163			--		--	--	--	48 5	4	--	--	--	--	--	--
06/18/75	5001	20 C	8.4	7.8		3	--	--	--	--	--	--	--	--	--	--	--
1145	5050	132			--		--	--	--	38 5	7	--	--	--	--	--	--
07/02/75	5001	20 C	8.5	7.9		3	--	--	--	--	--	--	--	--	--	--	--
1040	5050	168			--		--	--	--	44 5	5	--	--	--	--	--	--
07/16/75	5001	21 C	7.7	7.8		3	--	--	--	0.9 R	--	--	--	--	--	--	--
1015	5050	541			--		--	--	--	64 5	8	--	--	--	--	--	--
08/13/75	5001	21 C	8.1	8.0		3	--	--	--	1.2 R	--	--	--	--	--	--	--
0915	5050	1750			--		--	--	--	72 5	12	--	--	--	--	--	--
08/26/75	5001	21 C	8.2	7.9		3	--	--	--	--	--	--	--	--	--	--	--
0650	5050	912			--		--	--	--	63 5	11	--	--	--	--	--	--
09/02/75	5001	22 C	8.0	7.9		3	--	--	--	0.8 C	--	--	--	--	--	--	--
1345	5050	190			--		--	--	--	34 5	4	--	--	--	--	--	--
09/16/75	5001	20 C	8.7	8.0		3	--	--	--	--	--	--	--	--	--	--	--
1420	5050	354			--		--	--	--	48 5	5	--	--	--	--	--	--
99 D 804.7 134.0 SAN JOAQUIN RIVER AT POTATO POINT																	
10/08/74	5001	18 C	8.5	7.7		3	--	--	--	--	--	--	--	--	--	--	--
1220	5050	144			--		--	--	--	15 5	1	--	--	--	--	--	--
10/22/74	5001	17 C	8.2	7.5		3	--	--	--	--	--	--	--	--	--	--	--
1250	5050	132			--		--	--	--	14 5	2	--	--	--	--	--	--
11/20/74	5001	13 C	8.8	7.6		3	--	--	--	--	--	--	--	--	--	--	--
1140	5050	169			--		--	--	--	9 5	4	--	--	--	--	--	--
01/07/75	5001	7 C	11.2	7.6		3	--	--	--	--	--	--	--	--	--	--	--
1510	5050	193			--		--	--	--	18 5	3	--	--	--	--	--	--
02/05/75	5001	8 C	11.0	7.3		3	--	--	--	--	--	--	--	--	--	--	--
1415	5050	186			--		--	--	--	38 5	7	--	--	--	--	--	--
03/19/75	5001	11 C	9.5	7.6		3	--	--	--	--	--	--	--	--	--	--	--
1050	5050	232			--		--	--	--	43 5	6	--	--	--	--	--	--
04/02/75	5001	12 C	10.2	7.7		3	--	--	--	--	--	--	--	--	--	--	--
1125	5050	143			--		--	--	--	58 5	5	--	--	--	--	--	--
04/22/75	5001	14 C	9.9	7.8		3	--	--	--	--	--	--	--	--	--	--	--
1625	5050	168			--		--	--	--	29 5	4	--	--	--	--	--	--
05/07/75	5001	15 C	9.6	7.7		3	--	--	--	--	--	--	--	--	--	--	--
1630	5050	122			--		--	--	--	38 5	7	--	--	--	--	--	--
05/21/75	5001	17 C	8.9	7.8		3	--	--	--	--	--	--	--	--	--	--	--
1540	5050	143			--		--	--	--	25 5	7	--	--	--	--	--	--
06/04/75	5001	21 C	8.0	7.7		3	--	--	--	--	--	--	--	--	--	--	--
1455	5050	161			--		--	--	--	43 5	4	--	--	--	--	--	--
06/18/75	5001	21 C	7.9	7.6		3	--	--	--	--	--	--	--	--	--	--	--
1425	5050	137			--		--	--	--	38 5	7	--	--	--	--	--	--
07/02/75	5001	21 C	8.2	7.7		3	--	--	--	--	--	--	--	--	--	--	--
1330	5050	145			--		--	--	--	29 5	5	--	--	--	--	--	--
07/16/75	5001	23 C	7.7	7.7		3	--	--	--	--	--	--	--	--	--	--	--
1255	5050	149			--		--	--	--	31 5	7	--	--	--	--	--	--
08/13/75	5001	22 C	8.0	7.9		3	--	--	--	--	--	--	--	--	--	--	--
1140	5050	152			--		--	--	--	40 5	8	--	--	--	--	--	--
08/26/75	5001	22 C	7.8	7.8		3	--	--	--	--	--	--	--	--	--	--	--
1015	5050	169			--		--	--	--	32 5	6	--	--	--	--	--	--
09/02/75	5001	22 C	8.2	7.8		3	--	--	--	--	--	--	--	--	--	--	--
1615	5050	160			--		--	--	--	20 5	2	--	--	--	--	--	--
09/16/75	5001	20 C	8.5	7.9		3	--	--	--	--	--	--	--	--	--	--	--
1650	5050	188			--		--	--	--	18 5	2	--	--	--	--	--	--
99 D 805.0 128.1 WHITE SLOUGH AT CONNELL FERRY (SITE)																	
10/02/74	5001	19 C	7.8	7.3		3	--	--	--	--	--	--	--	--	--	--	--
0715	5050	112			--		--	--	--	33 5	5	--	--	--	--	--	--
10/16/74	5001	16 C	8.4	7.1		3	--	--	--	--	--	--	--	--	--	--	--
0705	5050	77			--		--	--	--	18 5	7	--	--	--	--	--	--
11/06/74	5001	14 C	8.3	7.2		3	--	--	--	--	--	--	--	--	--	--	--
1140	5050	112			--		--	--	--	7 5	0	--	--	--	--	--	--
11/18/74	5001	13 C	8.7	7.3		3	--	--	--	--	--	--	--	--	--	--	--
0955	5050	95			--		--	--	--	14 5	3	--	--	--	--	--	--
12/17/74	5001	9 C	9.7	7.3		3	--	--	--	--	--	--	--	--	--	--	--
0930	5050	153			--		--	--	--	14 5	3	--	--	--	--	--	--
01/21/75	5001	8 C	10.0	7.3		3	--	--	--	--	--	--	--	--	--	--	--
1250	5050	195			--		--	--	--	29 5	6	--	--	--	--	--	--
02/03/75	5001	8 C	11.2			3	--	--	--	--	--	--	--	--	--	--	--
1200	5050	208			--		--	--	--	24 5	4	--	--	--	--	--	--

TABLE D-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	DISCH MGAS	DEPTH TURB	T-L CHLOR	SET 5 O-G COLOR	ML/L MG/L	BOD SUS S	V	COD SUS S	V	CYANIDE PHENOLS	TOC DOC	IODIDE T DOOR	BROMIDE SULFITE	T SULF D SULF	CC EXT CA EXT
B9 0 805.1 144.3 SACRAMENTO RIVER AT EMMATON																			
10/08/74 1040	5001 5050	14 148	C	8.7 7.8	--	3	-- --	-- --	-- --	-- 24	5	-- 1		-- --	-- --	-- --	-- --	-- --	-- --
10/22/74 1110	5001 5050	17 135	C	8.7 7.6	--	3	-- --	-- --	-- --	-- 24	5	-- 3		-- --	-- --	-- --	-- --	-- --	-- --
11/20/74 0955	5001 5050	13 141	C	9.5 7.7	--	3	-- --	-- --	-- --	-- 10	5	-- 3		-- --	-- --	-- --	-- --	-- --	-- --
12/10/74 1350	5001 5050	10 133	C	9.6 7.6	--	3	-- --	-- --	-- --	-- 18	5	-- 7		-- --	-- --	-- --	-- --	-- --	-- --
01/07/75 1305	5001 5050	7 191	C	10.8 7.6	--	3	-- --	-- --	-- --	-- 21	5	-- 4		-- --	-- --	-- --	-- --	-- --	-- --
02/05/75 1220	5001 5050	8 174	C	10.8 7.3	--	3	-- --	-- --	-- --	-- 52	5	-- 6		-- --	-- --	-- --	-- --	-- --	-- --
03/19/75 0825	5001 5050	11 189	C	10.2 7.6	--	3	-- --	-- --	-- --	-- 57	5	-- 16		-- --	-- --	-- --	-- --	-- --	-- --
04/02/75 0905	5001 5050	11 149	C	10.1 7.8	--	3	-- --	-- --	-- --	-- 94	5	-- 9		-- --	-- --	-- --	-- --	-- --	-- --
04/22/75 1415	5001 5050	14 172	C	9.8 7.9	--	3	-- --	-- --	-- --	-- 57	5	-- 6		-- --	-- --	-- --	-- --	-- --	-- --
05/07/75 1440	5001 5050	15 131	C	9.6 7.7	--	3	-- --	-- --	-- --	-- 38	5	-- 7		-- --	-- --	-- --	-- --	-- --	-- --
05/21/75 1355	5001 5050	17 138	C	9.2 7.9	--	3	-- --	-- --	-- --	-- 36	5	-- 5		-- --	-- --	-- --	-- --	-- --	-- --
06/04/75 1320	5001 5050	20 155	C	8.6 7.9	--	3	-- --	-- --	-- --	-- 30	5	-- 2		-- --	-- --	-- --	-- --	-- --	-- --
06/18/75 1240	5001 5050	20 128	C	8.6 7.7	--	3	-- --	-- --	-- --	-- 42	5	-- 8		-- --	-- --	-- --	-- --	-- --	-- --
07/02/75 1135	5001 5050	19 150	C	8.8 7.9	--	3	-- --	-- --	-- --	-- 31	5	-- 4		-- --	-- --	-- --	-- --	-- --	-- --
07/16/75 1110	5001 5050	22 165	C	8.2 8.0	--	3	-- --	-- --	-- --	-- 34	5	-- 7		-- --	-- --	-- --	-- --	-- --	-- --
08/13/75 0955	5001 5050	21 238	C	8.2 8.0	--	3	-- --	-- --	-- --	-- 52	5	-- 10		-- --	-- --	-- --	-- --	-- --	-- --
08/26/75 0750	5001 5050	21 240	C	8.3 8.0	--	3	-- --	-- --	-- --	-- 46	5	-- 9		-- --	-- --	-- --	-- --	-- --	-- --
09/02/75 1420	5001 5050	22 240	C	8.5 7.9	--	3	-- --	-- --	-- --	-- 25	5	-- 4		-- --	-- --	-- --	-- --	-- --	-- --
09/16/75 1440	5001 5050	20 238	C	8.8 8.0	--	3	-- --	-- --	-- --	-- 23	5	-- 4		-- --	-- --	-- --	-- --	-- --	-- --
B9 D 805.8 140.1 SAN JOAQUIN RIVER AT TEITCHELL ISLAND																			
10/08/74 1300	5001 5050	19 151	C	8.8 8.0	--	3	-- --	-- --	-- --	1.0 18	8 5	-- 2		-- --	-- --	-- --	-- --	-- --	-- --
10/22/74 1325	5001 5050	17 132	C	8.7 7.7	--	3	-- --	-- --	-- --	-- 15	5	-- 4		-- --	-- --	-- --	-- --	-- --	-- --
11/20/74 1225	5001 5050	13 162	C	9.0 7.7	--	3	-- --	-- --	-- --	1.1 14	8 5	-- 4		-- --	-- --	-- --	-- --	-- --	-- --
12/10/74 1650	5001 5050	10 154	C	9.8 7.6	--	3	-- --	-- --	-- --	1.0 20	8 5	-- 6		-- --	-- --	-- --	-- --	-- --	-- --
01/07/75 1550	5001 5050	7 185	C	11.3 7.6	--	3	-- --	-- --	-- --	1.2 21	8 5	-- 2		-- --	-- --	-- --	-- --	-- --	-- --
02/05/75 1500	5001 5050	8 193	C	11.0 7.3	--	3	-- --	-- --	-- --	1.8 29	8 5	-- 7		-- --	-- --	-- --	-- --	-- --	-- --
03/19/75 1125	5001 5050	11 218	C	9.7 7.6	--	3	-- --	-- --	-- --	1.3 53	8 5	-- 8		-- --	-- --	-- --	-- --	-- --	-- --
04/02/75 1200	5001 5050	11 153	C	10.2 7.7	--	3	-- --	-- --	-- --	1.5 68	8 5	-- 7		-- --	-- --	-- --	-- --	-- --	-- --
04/22/75 1655	5001 5050	14 162	C	10.0 7.9	--	3	-- --	-- --	-- --	-- 30	5	-- 4		-- --	-- --	-- --	-- --	-- --	-- --
05/07/75 1700	5001 5050	15 134	C	9.9 7.8	--	3	-- --	-- --	-- --	1.9 36	8 5	-- 4		-- --	-- --	-- --	-- --	-- --	-- --
05/21/75 1610	5001 5050	17 132	C	9.0 7.9	--	3	-- --	-- --	-- --	-- 24	5	-- 7		-- --	-- --	-- --	-- --	-- --	-- --
06/04/75 1520	5001 5050	21 156	C	8.5 7.8	--	3	-- --	-- --	-- --	1.4 25	8 5	-- 5		-- --	-- --	-- --	-- --	-- --	-- --
06/18/75 1500	5001 5050	20 139	C	8.4 7.4	--	3	-- --	-- --	-- --	-- 26	5	-- 5		-- --	-- --	-- --	-- --	-- --	-- --
07/02/75 1405	5001 5050	20 148	C	8.6 7.8	--	3	-- --	-- --	-- --	-- 26	5	-- 4		-- --	-- --	-- --	-- --	-- --	-- --
07/16/75 1400	5001 5050	22 157	C	8.2 7.9	--	3	-- --	-- --	-- --	0.7 28	8 5	-- 7		-- --	-- --	-- --	-- --	-- --	-- --
08/13/75 1210	5001 5050	22 225	C	8.1 7.9	--	3	-- --	-- --	-- --	1.5 39	8 5	-- 9		-- --	-- --	-- --	-- --	-- --	-- --
08/26/75 1050	5001 5050	22 231	C	8.4 7.9	--	3	-- --	-- --	-- --	-- 29	5	-- 7		-- --	-- --	-- --	-- --	-- --	-- --

TABLE D-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LOB	TEMP EC	DO D.M.	F-PH L-PH	DISCH MBAS	DEPTH TURB	T-L CHLOR	O-D COLOR	SET 5 ML/L MG/L	BOD SUS S	COD V SUS S	CYANIDE PHENOLS	TOC DOC	IODIDE T DOOR	BROMIDE SULFITE	T SULF O SULF	CC EXT CA EXT
89 0 805.8 140.1					SAN JOAQUIN RIVER AT TWITCHELL ISLAND							CONTINUED					
09/02/75 1845	5001 5050	22 C 233	8.6	7.9	--	3	-- --	-- --	-- --	1.0 C 23 5	-- 2	-- --	-- --	-- --	-- --	-- --	-- --
09/16/75 1720	5001 5050	20 C 203	8.9	8.0	--	3	-- --	-- --	-- --	-- 20 5	-- 3	-- --	-- --	-- --	-- --	-- --	-- --
89 0 805.8 135.2					SAN JOAQUIN RIVER NEAR SAN ANDREAS LANDING												
10/02/74 1000	5001 5050	19 C 152	8.4	7.5	--	3	-- --	-- --	-- --	-- 22 5	-- 2	-- --	-- --	-- --	-- --	-- --	-- --
10/08/74 1230	5001 5050	18 C 140	8.5	7.7	--	3	-- --	-- --	-- --	-- 15 5	-- 1	-- --	-- --	-- --	-- --	-- --	-- --
10/17/74 0950	5001 5050	18 C 130	8.3	7.5	--	3	-- --	-- --	-- --	-- 29 5	-- 3	-- --	-- --	-- --	-- --	-- --	-- --
10/22/74 1305	5001 5050	17 C 127	8.9	7.5	--	3	-- --	-- --	-- --	-- 13 5	-- 4	-- --	-- --	-- --	-- --	-- --	-- --
11/07/74 1415	5001 5050	14 C 177	8.6	7.5	--	3	-- --	-- --	-- --	-- 18 5	-- 3	-- --	-- --	-- --	-- --	-- --	-- --
11/19/74 1120	5001 5050	13 C 156	9.3	7.6	--	3	-- --	-- --	-- --	-- 13 5	-- 0	-- --	-- --	-- --	-- --	-- --	-- --
11/20/74 1200	5001 5050	13 C 155	9.0	7.6	--	3	-- --	-- --	-- --	-- 10 5	-- 3	-- --	-- --	-- --	-- --	-- --	-- --
12/10/74 1610	5001 5050	10 C 173	9.6	7.6	--	3	-- --	-- --	-- --	-- 22 5	-- 8	-- --	-- --	-- --	-- --	-- --	-- --
01/07/75 1530	5001 5050	7 C 191	11.0	7.5	--	3	-- --	-- --	-- --	-- 29 5	-- 3	-- --	-- --	-- --	-- --	-- --	-- --
02/04/75 1325	5001 5050	8 C 203	11.2	7.9	--	3	-- --	-- --	-- --	-- 28 5	-- 1	-- --	-- --	-- --	-- --	-- --	-- --
02/05/75 1440	5001 5050	8 C 183	11.0	7.2	--	3	-- --	-- --	-- --	-- 28 5	-- 6	-- --	-- --	-- --	-- --	-- --	-- --
89 0 807.6 129.7					MOKELUMNE RIVER, SOUTH FORK, BELOW SYCAMORE SLOUGH												
10/02/74 0820	5001 5050	19 C 114	8.3	7.3	--	3	-- --	-- --	-- --	-- 17 5	-- 0	-- --	-- --	-- --	-- --	-- --	-- --
10/17/74 0810	5001 5050	17 C 166	8.3	7.4	--	3	-- --	-- --	-- --	-- 18 5	-- 8	-- --	-- --	-- --	-- --	-- --	-- --
11/07/74 1245	5001 5050	13 C 134	9.0	7.4	--	3	-- --	-- --	-- --	-- 27 5	-- 0	-- --	-- --	-- --	-- --	-- --	-- --
11/19/74 0950	5001 5050	13 C 120	9.4	7.5	--	3	-- --	-- --	-- --	-- 17 5	-- 0	-- --	-- --	-- --	-- --	-- --	-- --
02/04/75 1145	5001 5050	8 C 176	11.2	7.4	--	3	-- --	-- --	-- --	-- 18 5	-- 1	-- --	-- --	-- --	-- --	-- --	-- --
03/18/75 0800	5001 5050	10 C	9.9	7.2	--	3	-- --	-- --	-- --	-- 52 5	-- 5	-- --	-- --	-- --	-- --	-- --	-- --
04/01/75 0810	5001 5050	10 C 122	8.9	7.6	--	3	-- --	-- --	-- --	-- 104 5	-- 10	-- --	-- --	-- --	-- --	-- --	-- --
04/16/75 0730	5001 5050	13 C 137	9.6	7.6	--	3	-- --	-- --	-- --	-- 18 5	-- 2	-- --	-- --	-- --	-- --	-- --	-- --
05/01/75 0840	5001 5050	15 C 106	9.6	7.7	--	3	-- --	-- --	-- --	-- 42 5	-- 7	-- --	-- --	-- --	-- --	-- --	-- --
05/15/75 0720	5001 5050	16 C 115	9.0	7.8	--	3	-- --	-- --	-- --	-- 48 5	-- 6	-- --	-- --	-- --	-- --	-- --	-- --
06/03/75 1245	5001 5050	20 C 83	8.2	7.5	--	3	-- --	-- --	-- --	-- 37 5	-- 3	-- --	-- --	-- --	-- --	-- --	-- --
06/17/75 1210	5001 5050	20 C 107	8.2	7.6	--	3	-- --	-- --	-- --	-- 53 5	-- 5	-- --	-- --	-- --	-- --	-- --	-- --
07/01/75 1150	5001 5050	20 C 140	8.2	7.6	--	3	-- --	-- --	-- --	-- 34 5	-- 4	-- --	-- --	-- --	-- --	-- --	-- --
07/15/75 1035	5001 5050	22 C 150	7.7	7.7	--	3	-- --	-- --	-- --	-- 46 5	-- 6	-- --	-- --	-- --	-- --	-- --	-- --
08/12/75 0905	5001 5050	22.0C 143	7.8	7.7	--	3	-- --	-- --	-- --	-- 34 5	-- 7	-- --	-- --	-- --	-- --	-- --	-- --
08/25/75 0745	5001 5050	22 C 177	7.3	7.6	--	3	-- --	-- --	-- --	-- 40 5	-- 9	-- --	-- --	-- --	-- --	-- --	-- --
09/11/75 0955	5001 5050	20 C 182	7.8	8.0	--	3	-- --	-- --	-- --	-- 21 5	-- 2	-- --	-- --	-- --	-- --	-- --	-- --
09/26/75 0940	5001 5050	21 C 160	7.4		--	3	-- --	-- --	-- --	-- 14 5	-- 4	-- --	-- --	-- --	-- --	-- --	-- --
89 0 808.5 128.0					SYCAMORE SLOUGH NEAR MOUTH												
10/02/74 0800	5001 5050	20 C 137	7.6	7.5	--	3	-- --	-- --	-- --	2.2 B 15 5	-- 0	-- --	-- --	-- --	-- --	-- --	-- --
10/17/74 0745	5001 5050	19 C 123	8.3	7.6	--	3	-- --	-- --	-- --	-- 22 5	-- 6	-- --	-- --	-- --	-- --	-- --	-- --
11/07/74 1220	5001 5050	14 C 111	8.3	7.6	--	3	-- --	-- --	-- --	1.7 B 28 5	-- 2	-- --	-- --	-- --	-- --	-- --	-- --
11/19/74 0930	5001 5050	13 C 110	8.2	7.5	--	3	-- --	-- --	-- --	-- 24 5	-- 2	-- --	-- --	-- --	-- --	-- --	-- --

TABLE D-4 (CONTINUED)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	DISCH MGAS	DEPTH TURB	T-L CHLOR	O+G COLOR	SET 5 ML/L MG/L	ROD SUS S	COD V SUS S	CYANIDE PHENOLS	TOC DOC	IODIUE T ODOR	BROMIDE SULFITE	T SULF D SULF	CC EXT CA EXT
					89 D 808.5 128.0	SYCAMORE SLOUGH NEAR MOUTH						CONTINUED					
02/04/75 1120	5001 5030	8 C 177	11.5	7.3	--	3	-- --	-- --	-- --	1.3 25	8 5	-- 8	-- --	-- --	-- --	-- --	-- --
03/18/75 0730	5001 5030	12 C 337	8.4	7.5	--	3	-- --	-- --	-- --	4.7 26	8 5	-- 7	-- --	-- --	-- --	-- --	-- --
04/01/75 0750	5001 5030	11 C 264	7.7	7.9	--	3	-- --	-- --	-- --	5.2 48	8 5	-- 9	-- --	-- --	-- --	-- --	-- --
04/16/75 0705	5001 5030	13 C 209	8.4	7.5	--	3	-- --	-- --	-- --	-- 16	5	-- 2	-- --	-- --	-- --	-- --	-- --
05/01/75 0810	5001 5030	16 C 135	10.9	8.5	--	3	-- --	-- --	-- --	2.9 31	8 5	-- 9	-- --	-- --	-- --	-- --	-- --
05/15/75 0650	5001 5030	17 C 93	8.8	7.8	--	3	-- --	-- --	-- --	-- 38	5	-- 6	-- --	-- --	-- --	-- --	-- --
06/03/75 1215	5001 5030	21 C 85	8.8	8.0	--	3	-- --	-- --	-- --	1.4 37	8 5	-- 4	-- --	-- --	-- --	-- --	-- --
06/17/75 1145	5001 5030	21 C 90	8.6	7.8	--	3	-- --	-- --	-- --	-- 37	5	-- 8	-- --	-- --	-- --	-- --	-- --
07/01/75 1125	5001 5030	21 C 100	9.2	8.0	--	3	-- --	-- --	-- --	-- 22	5	-- 4	-- --	-- --	-- --	-- --	-- --
07/15/75 1005	5001 5030	22 C 125	8.2	7.9	--	3	-- --	-- --	-- --	1.9 34	8 5	-- 6	-- --	-- --	-- --	-- --	-- --
08/12/75 0845	5001 5030	23.0C 126	7.2	7.6	--	3	-- --	-- --	-- --	1.5 34	8 5	-- 8	-- --	-- --	-- --	-- --	-- --
08/25/75 0720	5001 5030	23 C 134	7.9	7.6	--	3	-- --	-- --	-- --	-- 25	5	-- 8	-- --	-- --	-- --	-- --	-- --
09/11/75 0930	5001 5030	22 C 158	8.0	8.0	--	3	-- --	-- --	-- --	1.7 29	8 5	-- 3	-- --	-- --	-- --	-- --	-- --
09/26/75 0910	5001 5030	22 C 155	8.5		--	3	-- --	-- --	-- --	-- 16	5	-- 4	-- --	-- --	-- --	-- --	-- --
					89 D 808.7 133.4	MOKELUMNE RIVER, NORTH FORK, AT ARDAO SLOUGH											
10/02/74 0850	5001 5030	18 C 118	8.3	7.4	--	3	-- --	-- --	-- --	-- 22	5	-- 1	-- --	-- --	-- --	-- --	-- --
10/17/74 0840	5001 5030	17 C 114	8.9	7.5	--	3	-- --	-- --	-- --	-- 27	5	-- 7	-- --	-- --	-- --	-- --	-- --
11/07/74 1310	5001 5030	13 C 118	9.4	7.5	--	3	-- --	-- --	-- --	-- 16	5	-- 0	-- --	-- --	-- --	-- --	-- --
11/19/74 1020	5001 5030	12 C 113	9.7	7.7	--	3	-- --	-- --	-- --	-- 20	5	-- 0	-- --	-- --	-- --	-- --	-- --
02/04/75 1220	5001 5030	8 C 195	10.6	7.6	--	3	-- --	-- --	-- --	-- 105	5	-- 10	-- --	-- --	-- --	-- --	-- --
					89 D 809.0 135.8	GEORGIANA SLOUGH NEAR ISLETON											
10/02/74 0920	5001 5030	18 C 121	8.5	7.4	--	3	-- --	-- --	-- --	-- 35	5	-- 2	-- --	-- --	-- --	-- --	-- --
10/17/74 0910	5001 5030	17 C 109	8.3	7.5	--	3	-- --	-- --	-- --	-- 22	5	-- 2	-- --	-- --	-- --	-- --	-- --
11/07/74 1335	5001 5030	13 C 117	9.5	7.5	--	3	-- --	-- --	-- --	-- 30	5	-- 0	-- --	-- --	-- --	-- --	-- --
11/19/74 1045	5001 5030	13 C 113	9.7	7.7	--	3	-- --	-- --	-- --	-- 17	5	-- 0	-- --	-- --	-- --	-- --	-- --
02/04/75 1250	5001 5030	8 C 148	10.5	7.7	--	3	-- --	-- --	-- --	-- 186	5	-- 25	-- --	-- --	-- --	-- --	-- --
					89 D 809.4 141.0	SACRAMENTO RIVER BELOW RIO VISTA BRIDGE											
10/08/74 1100	5001 5030	17 C 117	8.8	7.9	--	3	-- --	-- --	-- --	-- 13	5	-- 2	-- --	-- --	-- --	-- --	-- --
10/22/74 1135	5001 5030	16 C 118	8.9	7.6	--	3	-- --	-- --	-- --	-- 12	5	-- 3	-- --	-- --	-- --	-- --	-- --
11/20/74 1025	5001 5030	13 C 122	9.5	7.7	--	3	-- --	-- --	-- --	-- 4	5	-- 2	-- --	-- --	-- --	-- --	-- --
12/10/74 1420	5001 5030	10 C 141	9.7	7.6	--	3	-- --	-- --	-- --	-- 23	5	-- 8	-- --	-- --	-- --	-- --	-- --
01/07/75 1330	5001 5030	7 C 170	11.4	7.6	--	3	-- --	-- --	-- --	-- 16	5	-- 2	-- --	-- --	-- --	-- --	-- --
02/05/75 1245	5001 5030	8 C 157	10.4	7.1	--	3	-- --	-- --	-- --	-- 88	5	-- 15	-- --	-- --	-- --	-- --	-- --
03/19/75 0850	5001 5030	10 C 164	10.4	7.6	--	3	-- --	-- --	-- --	-- 75	5	-- 6	-- --	-- --	-- --	-- --	-- --
04/02/75 0935	5001 5030	11 C 137	10.0	7.8	--	3	-- --	-- --	-- --	-- 113	5	-- 11	-- --	-- --	-- --	-- --	-- --
04/22/75 1450	5001 5030	14 C 182	9.8	7.9	--	3	-- --	-- --	-- --	-- 36	5	-- 5	-- --	-- --	-- --	-- --	-- --
05/07/75 1505	5001 5030	15 C 136	9.5	7.7	--	3	-- --	-- --	-- --	-- 42	5	-- 7	-- --	-- --	-- --	-- --	-- --
05/21/75 1425	5001 5030	17 C 165	8.9	7.8	--	3	-- --	-- --	-- --	-- 33	5	-- 4	-- --	-- --	-- --	-- --	-- --

TABLE D-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

SET 5

DATE TIME	SAMP LAB	TEMP EC	DO G.M.	F-PH L-PH	DISCH MGAS	DEPTH TURB	TOL CHLOR	OXG COLOR	ML/L MG/L	BOD SUS S	COD V SUS S	CYANIDE PHENOLS	TOC DOC	IODIDE T OGOR	BROMIDE SULFITE	T SULF O SULF	CC EXT CA EXT
89 D 809.4 141.0					SACRAMENTO RIVER BELOW RIO VISTA BRIDGE							CONTINUED					
06/04/75	5001	21 C	8.5	7.0		3	--	--	--	--	--	--	--	--	--	--	--
1340	5050	140			--		--	--	--	30 5	2	--	--	--	--	--	--
08/16/75	5001	20 C	8.5	7.7		3	--	--	--	--	--	--	--	--	--	--	--
1305	5050	120			--		--	--	--	43 5	16	--	--	--	--	--	--
07/02/75	5001	20 C	8.7	7.8		3	--	--	--	--	--	--	--	--	--	--	--
1200	5050	150			--		--	--	--	22 5	3	--	--	--	--	--	--
07/16/75	5001	22 C	8.3	7.8		3	--	--	--	--	--	--	--	--	--	--	--
1135	5050	152			--		--	--	--	28 5	6	--	--	--	--	--	--
08/13/75	5001	21 C	8.4	7.9		3	--	--	--	--	--	--	--	--	--	--	--
1020	5050	149			--		--	--	--	39 5	8	--	--	--	--	--	--
08/26/75	5001	22 C	8.0	7.8		3	--	--	--	--	--	--	--	--	--	--	--
0830	5050	169			--		--	--	--	19 5	5	--	--	--	--	--	--
09/02/75	5001	21 C	8.5	7.9		3	--	--	--	--	--	--	--	--	--	--	--
1450	5050	198			--		--	--	--	22 5	3	--	--	--	--	--	--
09/16/75	5001	20 C	8.5	7.9		3	--	--	--	--	--	--	--	--	--	--	--
1505	5050	197			--		--	--	--	3 5	1	--	--	--	--	--	--
89 D 814.5 133.2					SACRAMENTO RIVER NEAR RYDE												
10/03/74	5001	17 C	8.2	7.4		3	--	--	--	--	--	--	--	--	--	--	--
0740	5050	102			--		--	--	--	13 5	2	--	--	--	--	--	--
10/17/74	5001	16 C	8.8	7.4		3	--	--	--	--	--	--	--	--	--	--	--
0730	5050	100			--		--	--	--	20 5	6	--	--	--	--	--	--
11/07/74	5001	13 C	9.7	7.1		3	--	--	--	--	--	--	--	--	--	--	--
1245	5050	110			--		--	--	--	22 5	8	--	--	--	--	--	--
11/19/74	5001	13 C	10.0	7.3		3	--	--	--	--	--	--	--	--	--	--	--
1035	5050	110			--		--	--	--	12 5	1	--	--	--	--	--	--
12/18/74	5001	10 C	10.6	7.5		3	--	--	--	--	--	--	--	--	--	--	--
1000	5050	119			--		--	--	--	25 5	2	--	--	--	--	--	--
01/22/75	5001	8 C	10.8	7.5		3	--	--	--	--	--	--	--	--	--	--	--
1310	5050	160			--		--	--	--	11 5	0	--	--	--	--	--	--
02/04/75	5001	8 C	10.5	7.5		3	--	--	--	--	--	--	--	--	--	--	--
1235	5050	116			--		--	--	--	277 5	26	--	--	--	--	--	--
89 D 815.3 126.3					MOKELUMNE RIVER NEAR THORNTON												
10/02/74	5001	18 C	8.5	7.1		3	--	--	--	--	--	--	--	--	--	--	--
0625	5050	41			--		--	--	--	11 5	3	--	--	--	--	--	--
10/16/74	5001	15 C	9.2	6.7		3	--	--	--	--	--	--	--	--	--	--	--
0615	5050	38			--		--	--	--	9 5	6	--	--	--	--	--	--
11/06/74	5001	14 C	11.4	6.7		3	--	--	--	--	--	--	--	--	--	--	--
1050	5050	35			--		--	--	--	7 5	2	--	--	--	--	--	--
11/18/74	5001	13 C	8.8	7.1		3	--	--	--	--	--	--	--	--	--	--	--
0900	5050	45			--		--	--	--	14 5	3	--	--	--	--	--	--
12/17/74	5001	9 C	10.5	7.2		3	--	--	--	--	--	--	--	--	--	--	--
0835	5050	81			--		--	--	--	6 5	3	--	--	--	--	--	--
01/21/75	5001	8 C	11.1	7.1		3	--	--	--	--	--	--	--	--	--	--	--
1150	5050	99			--		--	--	--	19 5	4	--	--	--	--	--	--
02/03/75	5001	8 C	10.3			3	--	--	--	--	--	--	--	--	--	--	--
1045	5050	148			--		--	--	--	170 5	18	--	--	--	--	--	--
03/10/75	5001	12 C	10.3	7.3		3	--	--	--	--	--	--	--	--	--	--	--
1305	5050	130			--		--	--	--	38 5	5	--	--	--	--	--	--
04/01/75	5001	12 C	10.4	7.3		3	--	--	--	--	--	--	--	--	--	--	--
1440	5050	84			--		--	--	--	22 5	4	--	--	--	--	--	--
04/18/75	5001	11 C	10.4	7.2		3	--	--	--	--	--	--	--	--	--	--	--
0920	5050	66			--		--	--	--	8 5	2	--	--	--	--	--	--
05/01/75	5001	13 C	10.2	7.1		3	--	--	--	--	--	--	--	--	--	--	--
0900	5050	49			--		--	--	--	17 5	6	--	--	--	--	--	--
05/15/75	5001	15 C	9.4	6.8		3	--	--	--	--	--	--	--	--	--	--	--
0730	5050	57			--		--	--	--	40 5	6	--	--	--	--	--	--
06/03/75	5001	19 C	8.6	7.0		3	--	--	--	--	--	--	--	--	--	--	--
1250	5050	48			--		--	--	--	51 5	3	--	--	--	--	--	--
06/17/75	5001	18 C	9.2	7.1		3	--	--	--	--	--	--	--	--	--	--	--
1150	5050	49			--		--	--	--	22 5	5	--	--	--	--	--	--
07/01/75	5001	17 C	9.1	7.3		3	--	--	--	--	--	--	--	--	--	--	--
1105	5050	51			--		--	--	--	7 5	2	--	--	--	--	--	--
07/15/75	5001	20 C	7.9	7.3		3	--	--	--	--	--	--	--	--	--	--	--
1025	5050	57			--		--	--	--	25 5	5	--	--	--	--	--	--
08/12/75	5001	21.0C	8.8	6.3		3	--	--	--	--	--	--	--	--	--	--	--
1005	5050	51			--		--	--	--	18 5	6	--	--	--	--	--	--
08/26/75	5001	20 C	8.7	7.1		3	--	--	--	--	--	--	--	--	--	--	--
1435	5050	58			--		--	--	--	24 5	3	--	--	--	--	--	--
09/11/75	5001	18 C	9.2	7.2		3	--	--	--	--	--	--	--	--	--	--	--
0915	5050	48			--		--	--	--	8 5	0	--	--	--	--	--	--
09/25/75	5001	17 C	9.5	6.9		3	--	--	--	--	--	--	--	--	--	--	--
0910	5050	51			--		--	--	--	8 5	2	--	--	--	--	--	--

TABLE D-4 (CONTINUED)
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO O.H.	F-PH L-PH	DISCH MGAS	DEPTH	SET S TURB	T-L CHLOR	O-G COLOR	ML/L MG/L	BOD SUS S	COD V SUS S	CYANIDE PHENOLS	TOC DOC	IODIDE T DDOR	BROMIDE SULFITE	T SULF D SULF	CC EXT CA EXT
		89 D 820.7 132.7			SACRAMENTO RIVER AT GREENES LANDING													
10/03/74	5001	17 C	8.5	7.2			3	--	--	--	1.9 8	--	--	--	--	--	--	--
0650	5050	105			--			--	--	--	29 5	3	--	--	--	--	--	--
10/17/74	5001	16 C	9.1	7.2			3	--	--	--	--	--	--	--	--	--	--	--
0655	5050	102			--			--	--	--	16 5	7	--	--	--	--	--	--
11/07/74	5001	13 C	9.5	6.9			3	--	--	--	1.4 8	--	--	--	--	--	--	--
1200	5050	119			--			--	--	--	16 5	6	--	--	--	--	--	--
11/19/74	5001	13 C	9.7	6.9			3	--	--	--	--	--	--	--	--	--	--	--
0955	5050	100			--			--	--	--	14 5	2	--	--	--	--	--	--
12/18/74	5001	9 C	10.4	7.4			3	--	--	--	1.1 8	--	--	--	--	--	--	--
0915	5050	122			--			--	--	--	19 5	2	--	--	--	--	--	--
01/22/75	5001	8 C	10.8	7.5			3	--	--	--	2.4 8	--	--	--	--	--	--	--
1225	5050	202			--			--	--	--	28 5	2	--	--	--	--	--	--
02/04/75	5001	8 C	10.8	7.4			3	--	--	--	2.6 8	--	--	--	--	--	--	--
1145	5050	107			--			--	--	--	149 5	22	--	--	--	--	--	--
02/19/75	5050	47.5F	10.8	7.2				--	--	--	--	--	--	--	--	--	--	--
1220	5050	126			--			--	--	--	--	--	0.001	--	--	--	--	--
03/18/75	5001	13 C	10.6	7.6			3	--	--	--	1.1 8	--	--	--	--	--	--	--
1345	5050	161			--			--	--	--	87 5	8	--	--	--	--	--	--
04/01/75	5001	12 C	10.5	7.5			3	--	--	--	0.9 8	--	--	--	--	--	--	--
1525	5050	133			--			--	--	--	164 5	15	--	--	--	--	--	--
04/18/75	5001	12 C	10.5	7.3			3	--	--	--	--	--	--	--	--	--	--	--
1655	5050	139			--			--	--	--	45 5	6	--	--	--	--	--	--
05/01/75	5001	14 C	10.1	7.5			3	--	--	--	1.2 8	--	--	--	--	--	--	--
0800	5050	117			--			--	--	--	29 5	5	--	--	--	--	--	--
05/15/75	5001	16 C	9.7	7.6			3	--	--	--	--	--	--	--	--	--	--	--
1450	5050	125			--			--	--	--	53 5	6	--	--	--	--	--	--
06/03/75	5001	19 C	8.7	7.5			3	--	--	--	1.1 8	--	--	--	--	--	--	--
1105	5050	142			--			--	--	--	35 5	2	--	--	--	--	--	--
06/17/75	5001	19 C	8.8	7.6			3	--	--	--	--	--	--	--	--	--	--	--
1010	5050	118			--			--	--	--	22 5	4	--	--	--	--	--	--
07/01/75	5001	19 C	8.4	7.8			3	--	--	--	--	--	--	--	--	--	--	--
0955	5050	152			--			--	--	--	35 5	4	--	--	--	--	--	--
07/15/75	5001	21 C	8.1	7.8			3	--	--	--	0.9 8	--	--	--	--	--	--	--
0915	5050	138			--			--	--	--	29 5	6	--	--	--	--	--	--
08/12/75	5001	21.5C	8.8	6.8			3	--	--	--	1.1 8	--	--	--	--	--	--	--
1110	5050	146			--			--	--	--	20 5	9	--	--	--	--	--	--
08/26/75	5001	20 C	8.4	7.3			3	--	--	--	--	--	--	--	--	--	--	--
0650	5050	164			--			--	--	--	18 5	2	--	--	--	--	--	--
09/11/75	5001	20 C	7.8	7.5			3	--	--	--	1.2 8	--	--	--	--	--	--	--
0805	5050	187			--			--	--	--	20 5	1	--	--	--	--	--	--
09/17/75	5050	69 F	7.6	7.4				--	--	--	--	--	--	--	--	--	--	--
1330	5050	163			--			--	--	--	--	--	0.001	--	--	--	--	--
09/25/75	5001	20 C	7.7	7.5			3	--	--	--	--	--	--	--	--	--	--	--
0815	5050	124			--			--	--	--	17 5	3	--	--	--	--	--	--

TABLE D-5

NUTRIENT ANALYSIS OF SURFACE WATER

Sampler and Lab Agency Codes

2163 - California Department of Water Resources for SWRCB
5001 - U. S. Bureau of Reclamation
5050 - California Department of Water Resources

Abbreviations and Constituents

TIME	-	Pacific Standard Time on a 24-hour clock
G.H.	-	Instantaneous gage height in feet above an established datum
DISCH.	-	Instantaneous discharge in cubic feet per second
TEMP	-	Water temperature at time of sampling in degrees Fahrenheit (F) and Celsius (C)
DEPTH	-	Depth in feet at which sample was collected
PH	-	Measure of acidity (<7) or alkalinity (>7) of water
EC	-	Electrical conductance in micromhos at 25°C
TURB	-	Jackson Turbidity Units measured with a Hellege Turbidmeter (E) or a Hack Nephelometer (A) with (F) for field determination
F-CO2	-	Field determination of carbon dioxide in milligrams per liter
CACO3 P	-	Field Alkalinity (Phenol)
CACO3 T	-	Field Alkalinity (Total)
D NO2+NO3	-	Dissolved nitrite and Nitrate as N.
T NH3	-	Total ammonia as N
D NO2	-	Dissolved nitrite as N
D NO3	-	Dissolved nitrate as N
D ORG N	-	Dissolved organic nitrogen as N
T ORG N	-	Total organic nitrogen as N
D (NH3 +	-	Ammonia and dissolved organic nitrogen as N
T ORG N)	-	Ammonia and total organic nitrogen as N
DIS A.H.PO4	-	Dissolved acid hydrolyzable phosphate as P
D O-PO4	-	Dissolved orthophosphate as P
T O-PO4	-	Total orthophosphate as P
D TOT P	-	Dissolved total phosphorus as P
T TOT P	-	Total Phosphorus as P

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.M. DISCH.	TEMP DEPTH	F-PH LAB	F-EC LAB EC	TURB F-CO2	FIELD CACO3 CACO3 T	P	O NO2 + NO3 T NH3	O NO2 O NO3	O ORG N T ORG N	O (NH3 + T ORG N)	DIS 4.H.PO4	O O-PO4 T O-PO4	O TOT P T TOT P
									NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER						
40 2112.00					SACRAMENTO RIVER AT ELKHORN FERRY										
10/16/74	5030		61 F	7.3	95	8A			--	--	--	--		0.02	--
0745	5050	17700			99				--	0.05	--	0.1	--	--	0.05
11/20/74	5030		53 F	7.3	102	9A			--	--	--	--		0.01	--
0930	5050	21100			105				--	0.01	--	0.2	--	--	0.07
12/18/74	5050		49 F	7.3	107	5A			--	--	--	--		0.02	--
0910	5050	19800			120				--	0.09	--	0.1	--	--	0.06
01/15/75	5030		46 F	7.3	112	11A			--	--	--	--		0.01	--
0915	5030	16800			130				--	0.16	--	0.2	--	--	0.04
02/19/75	5030		47 F	7.2	134	30A			--	--	--	--		0.04	--
0915	5030	53100			149				--	0.22	--	0.5	--	--	0.18
03/19/75	5050		50 F	7.4	131	30A			--	--	--	--		0.02	--
0730	5050	41700			152				--	0.15	--	0.3	--	--	0.10
04/16/75	5030		54 F	7.4	116	14A			--	--	--	--		0.01	--
0830	5030	24600			132				--	0.09	--	0.2	--	--	0.06
05/21/75	5030		60.0F	7.4	118	11A			--	--	--	--		0.02	--
0730	5030	30400			132				--	0.03	--	0.2	--	--	0.08
06/18/75	5030		66.0F	7.4	106	7A			--	--	--	--		0.02	--
0745	5030	20000			111				--	0.05	--	0.2	--	--	0.13
07/16/75	5030		68 F	7.5	106	7A			--	--	--	--		0.02	--
0800	5050	16200			115				--	0.30	--	0.2	--	--	0.10
08/20/75	5030		68 F	7.4	134	8A			--	--	--	--		0.01	--
0745	5030	17800			141				--	0.04	--	0.2	--	--	0.04
09/17/75	5030		67 F	7.5	129	7A			--	--	--	--		0.02	--
0800	5030	19100			141				--	0.04	--	0.2	--	--	0.06
40 2170.00					SACRAMENTO RIVER AT FREMONT WEIR, WEST END										
10/16/74	5030	18.66	61 F	7.4	117	15A			--	--	--	--		0.03	--
1000	5030				128				--	0.19	--	0.2	--	--	0.05
11/20/74	5030	20.41	53.5F	7.4	123	8A			--	--	--	--		0.03	--
1115	5030				139				--	0.08	--	0.1	--	--	0.05
12/18/74	5030	20.10	50 F	7.4	146	8A			--	--	--	--		0.03	--
1115	5030				162				--	0.18	--	0.2	--	--	0.06
01/15/75	5030	18.46	47 F	7.4	168	12A			--	--	--	--		0.03	--
1145	5030				189				--	0.30	--	0.2	--	--	0.06
02/19/75	5030		47 F	7.3	142	25A			--	--	--	--		0.03	--
1100	5030				156				--	0.22	--	0.3	--	--	0.19
03/19/75	5030	29.89	49 F	7.4	150	29A			--	--	--	--		0.03	--
0930	5030				170				--	0.18	--	0.2	--	--	0.11
04/16/75	5030	23.15	55 F	7.4	140	19A			--	--	--	--		0.02	--
1000	5030				158				--	0.17	--	0.2	--	--	0.08
05/21/75	5030	25.76	60. F	7.4	135	24A			--	--	--	--		0.01	--
0930	5030				151				--	0.05	--	0.2	--	--	0.10
06/18/75	5030	19.69	68.0F	7.4	135	25A			--	--	--	--		0.03	--
1015	5030				152				--	0.09	--	0.3	--	--	0.18
07/16/75	5030	17.9	69 F	7.5	177	12A			--	--	--	--		0.03	--
1045	5030				193				--	0.10	--	0.2	--	--	0.07
08/20/75	5030	19.11	66. F	7.6	180	22A			--	--	--	--		0.01	--
0930	5030				223				--	0.10	--	0.2	--	--	0.04
09/17/75	5030	19.43	71 F	7.4	218	24A			--	--	--	--		0.04	--
1130	5030				240				--	0.11	--	0.3	--	--	0.08
40 2230.02					SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN										
10/23/74	5030	21.38	13.0C	7.4	112	20AF			--	--	--	--		0.04	--
1230	5030								--	0.11	--	0.1	--	--	0.13
11/19/74	5030	22.51	12.0C	7.7	125	8AF			--	--	--	--		0.03	--
1350	5030								--	0.13	--	0.1	--	--	0.04
12/18/74	5030	22.63	10.0C	7.6	142	9AF			--	--	--	--		0.03	--
1300	5030								--	0.20	--	0.1	--	--	0.04
01/22/75	5030	20.12	9.0C	7.5	145	8AF			--	--	--	--		0.03	--
1320	5030								--	0.22	--	0.1	--	--	0.07
02/26/75	5030	29.06	9.5C	7.4	153	29AF			--	--	--	--		0.02	--
1140	5030								--	0.19	--	0.2	--	--	0.37
03/26/75	5030	37.25	10.5C	7.9	134	60AF			--	--	--	--		0.02	--
1410	5030								--	0.12	--	0.2	--	--	0.12
04/23/75	5030	22.51	15.0C	8.0		14A			--	--	--	--		0.02	--
1315	5030				146				--	0.14	--	0.2	--	--	0.09
05/22/75	5030	26.61	16.0C	7.6	131	22AF			--	--	--	--		0.02	--
1210	5030								--	0.10	--	0.2	--	--	0.10
06/24/75	5030	20.00	19.0C	8.0	132	14AF			--	--	--	--		0.02	--
1310	5030								--	0.07	--	0.2	--	--	0.14
07/29/75	5030	19.84	21.5C	7.4	139	10AF			--	--	--	--		0.02	--
1250	5030								--	0.11	--	0.1	--	--	0.09
08/26/75	5030	21.24	20.0C	7.4	162	13AF			--	--	--	--		0.01	--
1200	5030								--	0.07	--	0.2	--	--	0.09
09/24/75	5030	20.29	20.0C	7.6	140	10AF			--	--	--	--		0.01	--
1345	5030								--	0.07	--	0.1	--	--	0.04

TABLE D-5 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	Q.W. DISCH.	TEMP DEPTH	F-PH LAB	F-EC EC	TURB F-CO2	FIELD CACO3 P CACO3 T	O NO2 + NO3 T NH3	D NO2 D NO3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER O ORG N T ORG N	D (NH3 + T ORG N)	DIS 4.H.PO4	O O-PO4 T O-PO4	D TOT P T TOT P
AD 2785.00 SACRAMENTO RIVER AT BEND BRIDGE														
05/21/75	5050	22.21	12.0C	7.4		34		--	--	--	--		0.01	--
1320	5050				114			--	0.09	--	0.0	--	--	0.05
AD 2925.00 SACRAMENTO SLOUGH AT SACRAMENTO RIVER														
10/23/74	5050		17.5C	7.6	245	20AF		--	--	--	--		0.06	--
1200	5050							--	0.07	--	0.3	--	--	0.11
01/22/75	5050		8.5C	7.6	318	42AF		--	--	--	--		0.06	--
1245	5050							--	0.12	--	0.4	--	--	0.17
04/23/75	5050		16.0C	7.6	365	456AF		--	--	--	--		0.07	--
1230	5050							--	0.09	--	0.4	--	--	0.42
06/24/75	5050		21.0C	7.6	427	374AF		--	--	--	--		0.06	--
1225	5050							--	0.20	--	0.6	--	--	0.18
07/29/75	5050		25.5C	7.6	486	25AF		--	--	--	--		0.10	--
1220	5050							--	0.10	--	0.5	--	--	0.19
08/26/75	5050		24.0C	7.4	475	22AF		--	--	--	--		0.04	--
1125	5050							--	0.08	--	0.4	--	--	0.14
09/24/75	5050		24.0C	7.6	495	21AF		--	--	--	--		0.07	--
1310	5050							--	0.14	--	0.3	--	--	0.07
AD 2926.00 R-D 1500 DRAINAGE TO SACRAMENTO SLOUGH														
11/19/74	5050		13.0C	7.7	482	15AF		--	--	--	--		0.09	--
1320	5050							--	0.03	--	0.4	--	--	0.15
12/18/74	5050	12.87	10.0C	8.1	732	19AF		--	--	--	--		0.13	--
1230	5050							--	0.27	--	0.6	--	--	0.19
AD 2933.00 R-D 108 DRAINAGE TO SACRAMENTO RIVER														
10/23/74	5050		17.0C	8.2	349	22AF		--	--	--	--		0.13	--
1320	5050							--	0.04	--	0.5	--	--	0.16
11/19/74	5050			8.4	968	244AF		--	--	--	--		0.31	--
1505	5050							--	0.04	--	0.5	--	--	0.38
12/18/74	5050		9.5C	8.1	869	234AF		--	--	--	--		0.27	--
1410	5050							--	0.19	--	0.3	--	--	0.31
01/22/75	5050		9.0C	8.0	913	20AF		--	--	--	--		0.26	--
1425	5050							--	0.12	--	0.3	--	--	0.28
02/26/75	5050		14.5C	7.8	934	164AF		--	--	--	--		0.26	--
1235	5050							--	0.07	--	0.4	--	--	0.30
03/26/75	5050		11.0C	8.2	969	424AF		--	--	--	--		0.23	--
1525	5050							--	0.61	--	0.5	--	--	0.24
04/23/75	5050		16.0C	8.4		21A		--	--	--	--		0.28	--
1200	5050				806			--	0.27	--	2.1	--	--	0.52
05/22/75	5050		21.0C	8.1	493	84AF		--	--	--	--		0.14	--
1320	5050							--	0.17	--	1.0	--	--	0.43
06/24/75	5050		21.0C	7.4	503	41AF		--	--	--	--		0.10	--
1415	5050							--	0.10	--	0.6	--	--	0.33
07/29/75	5050		25.0C	7.3	533	23AF		--	--	--	--		0.11	--
1410	5050							--	0.11	--	0.6	--	--	0.17
08/26/75	5050		23.0C	7.3	571	26AF		--	--	--	--		0.10	--
1350	5050							--	0.06	--	0.6	--	--	0.10
09/24/75	5050		23.0C	7.7	883	26AF		--	--	--	--		0.13	--
1455	5050							--	0.06	--	0.6	--	--	0.15
AD 2947.10 COLUSA BASIN DRAIN NEAR KNIGHTS LANDING														
10/23/74	5050	23.45	16.0C	8.0	659	38AF		--	--	--	--		0.13	--
1300	5050							--	0.36	--	0.6	--	--	0.18
11/19/74	5050	23.46	12.5C	8.3	823	29AF		--	--	--	--		0.12	--
1430	5050							--	0.19	--	0.7	--	--	0.21
12/18/74	5050	23.52	10.0C	8.2	990	40AF		--	--	--	--		0.14	--
1335	5050							--	0.33	--	0.7	--	--	0.21
01/22/75	5050	21.54	9.0C	8.0	892	47AF		--	--	--	--		0.08	--
1355	5050							--	0.07	--	0.8	--	--	0.14
02/26/75	5050		12.0C	8.0	1180	32AF		--	--	--	--		0.14	--
1200	5050							--	0.43	--	0.8	--	--	0.23
03/26/75	5050		11.0C	8.1	707	164AF		--	--	--	--		0.10	--
1555	5050							--	0.21	--	0.8	--	--	0.34
04/23/75	5050	23.88	16.0C	8.2		100A		--	--	--	--		0.13	--
1045	5050				826			--	0.29	--	0.8	--	--	0.33
05/22/75	5050	27.35	19.5C	8.0	568	55AF		--	--	--	--		0.08	--
1250	5050							--	0.12	--	1.1	--	--	0.23
06/24/75	5050	24.43	23.0C	8.0	754	49AF		--	--	--	--		0.06	--
1350	5050							--	0.15	--	0.8	--	--	0.19
07/29/75	5050	24.52	27.0C	7.9	655	44AF		--	--	--	--		0.05	--
1320	5050							--	0.28	--	0.7	--	--	0.21
08/26/75	5050	24.53	24.0C	7.6	620	60AF		--	--	--	--		0.03	--
1325	5050							--	0.11	--	0.7	--	--	0.06
09/24/75	5050	23.47	24.0C	7.8	646	61AF		--	--	--	--		0.04	--
1425	5050							--	0.24	--	0.6	--	--	0.16

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.M. DISCH.	TEMP DEPTH	F-PH LAB	F-EC LAB EC	TURB F-CO2	FIELD CACO3 CACO3	D NO2 + NO3 T NM3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER D NO2 D NO3	D ORG N T ORG N	D (NH3 + ORG N) T ORG N	DIS A.M.PO4	D O-PO4 T O-PO 4	D TOT P T TOT P
40 2950.00 R-D 787 ORAINAGE TO COLUSA BASIN DRAIN														
10/23/74	5050	19.3	16.0C	7.9	760	26AF		--	--	--	--		0.11	--
1245	5050							--	0.02	--	1.3	--	--	0.25
11/19/74	5050		13.0C	7.5	770	27AF		--	--	--	--		0.08	--
1415	5050							--	0.12	--	1.8	--	--	0.20
01/22/75	5050		8.0C	8.2	665	40AF		--	--	--	--		0.04	--
1345	5050							--	0.01	--	1.0	--	--	0.19
02/26/75	5050		11.5C	7.3	429	31AF		--	--	--	--		0.05	--
1200	5050							--	0.51	--	0.3	--	--	0.11
03/26/75	5050	19.20	11.0C	8.2	635	98AF		--	--	--	--		0.08	--
1440	5050							--	0.56	--	0.9	--	--	0.22
04/23/75	5050		16.0C	8.3		18A		--	--	--	--		0.08	--
1025	5050				758			--	0.04	--	0.8	--	--	0.26
05/22/75	5050		21.0C	8.4	563	10AF		--	--	--	--		0.08	--
1230	5050							--	0.13	--	1.1	--	--	0.17
08/24/75	5050		22.0C	7.9	475	12AF		--	--	--	--		0.05	--
1325	5050							--	0.00	--	0.9	--	--	0.20
07/29/75	5050		24.5C	7.4	556	14AF		--	--	--	--		0.09	--
1315	5050							--	0.00	--	0.4	--	--	0.22
08/26/75	5050		22.0C	7.3	570	16AF		--	--	--	--		0.06	--
1225	5050							--	0.01	--	0.5	--	--	0.15
09/24/75	5050		23.0C	7.6	653	28AF		--	--	--	--		0.05	--
1410	5050							--	0.01	--	0.9	--	--	0.17
40 2955.00 R-D 787 DRAINAGE TO SACRAMENTO RIVER														
10/23/74	5050	19.0	16.0C	7.8	618	47AF		--	--	--	--		0.10	--
1340	5050							--	0.04	--	0.8	--	--	0.24
11/19/74	5050	19.30	12.0C	8.1	428			--	--	--	--		0.13	--
1530	5050							--	0.09	--	0.3	--	--	0.16
12/18/74	5050	19.30	10.0C	7.8	361	19AF		--	--	--	--		0.11	--
1435	5050							--	0.08	--	0.3	--	--	0.24
01/22/75	5050	19.2	9.5C	7.9	579	25AF		--	--	--	--		0.13	--
1445	5050							--	0.05	--	0.3	--	--	0.18
02/26/75	5050		13.0C	7.6	724	25AF		--	--	--	--		0.14	--
1255	5050							--	0.48	--	0.4	--	--	0.21
03/26/75	5050	18.70	13.5C	8.1	680	36AF		--	--	--	--		0.15	--
1545	5050							--	1.2	--	0.5	--	--	0.23
04/23/75	5050		16.0C	8.0		23A		--	--	--	--		0.18	--
1230	5050				670			--	0.19	--	0.8	--	--	0.33
05/22/75	5050		21.0C	7.4	497	53AF		--	--	--	--		0.18	--
1345	5050							--	0.10	--	0.8	--	--	0.32
06/24/75	5050		21.0C	7.2	389	32AF		--	--	--	--		0.08	--
1445	5050							--	0.05	--	0.5	--	--	0.20
07/29/75	5050		25.0C	7.2	451	31AF		--	--	--	--		0.09	--
1430	5050							--	0.08	--	0.5	--	--	0.21
08/26/75	5050		23.5C	7.2	458	27AF		--	--	--	--		0.09	--
1425	5050							--	0.02	--	0.4	--	--	0.09
09/24/75	5050		24.0C	7.8	696	45AF		--	--	--	--		0.10	--
1525	5050							--	0.09	--	0.8	--	--	0.14
40 2965.00 R-D 70 DRAINAGE TO SACRAMENTO RIVER														
10/23/74	5050	34.0	16.0C	8.2	980	15AF		--	--	--	--		0.31	--
1110	5050							--	0.03	--	0.8	--	--	0.59
11/19/74	5050	33.70	13.0C	8.1	552	15AF		--	--	--	--		0.10	--
1225	5050							--	0.04	--	0.4	--	--	0.17
12/18/74	5050	33.93	10.0C	8.0	678	16AF		--	--	--	--		0.10	--
1105	5050							--	0.12	--	0.4	--	--	0.16
01/22/75	5050	33.9	9.0C	8.1	844	24AF		--	--	--	--		0.09	--
1145	5050							--	0.05	--	0.6	--	--	0.10
02/26/75	5050		12.5C	7.8	1090	26AF		--	--	--	--		0.15	--
1025	5050							--	1.2	--	0.6	--	--	0.25
03/26/75	5050	33.55	10.0C	7.5	953	28AF		--	--	--	--		0.14	--
1300	5050							--	1.1	--	0.6	--	--	0.24
04/23/75	5050		15.0C	8.0		34A		--	--	--	--		0.08	--
1130	5050				540			--	0.16	--	0.6	--	--	0.24
05/22/75	5050		19.0C	7.7	575	32AF		--	--	--	--		0.12	--
1115	5050							--	0.30	--	0.8	--	--	0.22
06/24/75	5050		21.5C	7.5	558	27AF		--	--	--	--		0.07	--
1140	5050							--	0.27	--	0.6	--	--	0.21
07/29/75	5050		25.0C	7.3	470	25AF		--	--	--	--		0.11	--
1115	5050							--	0.20	--	0.5	--	--	0.28
08/26/75	5050		23.0C	7.4	545	18AF		--	--	--	--		0.08	--
1040	5050							--	0.11	--	0.4	--	--	0.09
09/24/75	5050		24.0C	8.0	726	28AF		--	--	--	--		0.10	--
1100	5050							--	0.01	--	0.7	--	--	0.19

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	Q.M. DISCH.	TEMP DEPTH	F-PH LAB	F-EC EC	TURB F-CO2	CACO3 P CACO3 T	D NO2 + NO3 T NH3	D NO3 O	O ORG N T ORG N	D NH3 N)	DIS A.M.PO4	O O-PO4 T O-PO4	O TOT P T TOT P
								NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER						
	A0 2972.00			BUTTE SLOUGH NEAR MERIDIAN										
11/19/74	5050	43.50	13.0C	7.1	181	17AF		--	--	--	--		0.05	--
1125	5050							--	0.01	--	0.1	--	--	0.13
12/18/74	5050	43.67	9.0C	8.4	230	33AF		--	--	--	--		0.04	--
1040	5050							--	0.02	--	0.7	--	--	0.12
01/22/75	5050	41.19	8.0C	7.4	253	21AF		--	--	--	--		0.04	--
1115	5050							--	0.03	--	0.5	--	--	0.14
02/26/75	5050	47.38	11.5C	7.3	233	62AF		--	--	--	--		0.07	--
1000	5050							--	0.20	--	0.6	--	--	0.21
03/26/75	5050	54.30	10.0C		131	130AF		--	--	--	--		0.03	--
1235	5050							--	0.10	--	0.4	--	--	0.21
04/23/75	5050		15.0C	7.4		31A		--	--	--	--		0.06	--
1045	5050				216			--	0.03	--	0.5	--	--	0.25
05/22/75	5050	46.48	19.0C	7.4	228	26AF		--	--	--	--		0.06	--
1045	5050							--	0.08	--	0.8	--	--	0.15
06/24/75	5050	42.63	23.0C	7.6	309	23AF		--	--	--	--		0.04	--
1050	5050							--	0.15	--	0.6	--	--	0.13
07/29/75	5050	42.38	27.0C	7.4	337	11AF		--	--	--	--		0.04	--
1050	5050							--	0.11	--	0.5	--	--	0.13
08/26/75	5050	43.01	24.0C	7.2	333	10AF		--	--	--	--		0.03	--
1010	5050							--	0.03	--	0.5	--	--	0.09
09/24/75	5050	41.86	23.0C	7.2	317	11AF		--	--	--	--		0.04	--
0930	5050							--	0.04	--	0.3	--	--	0.10
	A0 2976.00			COLUSA BASIN DRAIN AT HIGHWAY 20										
04/23/75	5050	37.74	14.0C	8.0		22A		--	--	--	--		0.12	--
0905	5050				758			--	0.28	--	0.9	--	--	0.27
	A0 3520.50			COTTONWOOD CREEK AT COTTONWOOD										
04/21/75	5050		13.0C	7.9		2A		--	--	--	--		0.01	--
0915	5050				225			--	0.05	--	0.1	--	--	0.03
	A0 4321.01			DEER CREEK AT HIGHWAY 99E										
04/22/75	5050		14.0C	7.8		0A		--	--	--	--		0.02	--
1245	5050				90			--	0.03	--	0.1	--	--	0.02
	A0 4420.50			MILL CREEK NEAR MOUTH NEAR LOS MOLINOS										
05/02/75	5050		14.0C	7.6		1A		--	--	--	--		0.01	--
1210	5050				112			--	0.02	--	0.2	--	--	0.02
	A0 5103.00			FEATHER RIVER AT NICOLAUS										
10/16/74	5050	25.74	60 F	7.3	77	6A		--	--	--	--		0.00	--
0840	5050	8410			80			--	0.02	--	0.1	--	--	0.03
11/20/74	5050	25.16	53 F	7.2	80	6A		--	--	--	--		0.01	--
1015	5050	9140			83			--	0.01	--	0.1	--	--	0.03
12/18/74	5050	23.87	47 F	7.2	76	2A		--	--	--	--		0.01	--
1000	5050	8550			81			--	0.04	--	0.0	--	--	0.02
01/15/75	5050	23.20	46 F	7.2	81	4A		--	--	--	--		0.01	--
1000	5050	5460			87			--	0.05	--	0.1	--	--	0.03
02/19/75	5050	31.58	48 F	7.1	96	11A		--	--	--	--		0.02	--
0950	5050	5050			99			--	0.22	--	0.4	--	--	0.06
03/19/75	5050	28.14	52 F	7.2	93	12A		--	--	--	--		0.01	--
0800	5050	5880			98			--	0.11	--	0.3	--	--	0.04
04/16/75	5050	23.83	52 F	7.3	85	9A		--	--	--	--		0.01	--
0900	5050	5930.M			89			--	0.04	--	0.2	--	--	0.02
05/21/75	5050	26.33	59.0F	7.3	80	5A		--	--	--	--		0.00	--
0915	5050	7550.M			83			--	0.01	--	0.2	--	--	0.06
06/18/75	5050	24.57	65.0F	7.2	63	15A		--	--	--	--		0.01	--
0900	5050	8120			63			--	0.02	--	0.1	--	--	0.02
07/16/75	5050	24.09	68 F	7.3	67	4A		--	--	--	--		0.01	--
0900	5050	7310			72			--	0.01	--	0.1	--	--	0.05
08/20/75	5050	24.04	69 F	7.4	71	2A		--	--	--	--		0.00	--
0815	5050	6890			60			--	0.00	--	0.1	--	--	0.03
09/17/75	5050	24.17	66 F	7.3	74	3A		--	--	--	--		0.00	--
0900	5050	7130			78			--	0.00	--	0.1	--	--	0.02
	A0 5910.00			SUTTER BP STATE PP NO 1 NR NICOLAUS										
02/27/75	5050		14.5C	7.3		28A		--	--	--	--		0.06	--
1045	5050				1180			--	1.6	--	0.5	--	--	0.26
06/25/75	5050		20.0C	7.4	458	22AF		--	--	--	--		0.03	--
1000	5050							--	0.04	--	0.6	--	--	0.15
07/30/75	5050		23.0C	7.0	218	11AF		--	--	--	--		0.00	--
0945	5050							--	0.01	--	0.6	--	--	0.07
08/27/75	5050		19.0C	7.2	466	10A		--	--	--	--		0.04	--
0900	5050							--	0.03	--	0.5	--	--	0.22
09/24/75	5050		23.0C	7.8		21A		--	--	--	--		0.05	--
1215	5050				574			--	0.59	--	0.8	--	--	0.16

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.M. DISCH.	TEMP DEPTH	F-PH LAB	F-EC LAB EC	FIELD TURB F-CO2	CACO3 P CACO3 T	O NO2 + NO3 T NH3	D NO2 D NO3	O ORG N T ORG N	D (NH3 + T ORG N)	DIS A.M.PO4	D O-PO4 T O-PO4	O TOT P T TOT P
								NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER						
AO 5920.00						SUTTER BP STATE PP NO 2 NR TISDALE								
02/27/75	5050		15.0C	7.8			21A	--	--	--	--		0.07	--
1110	5050				584			--	0.42	--	0.4	--	--	0.20
06/25/75	5050		20.0C	7.4	345		12AF	--	--	--	--		0.06	--
1030	5050							--	0.21	--	0.4	--	--	0.15
07/30/75	5050		22.0C	7.3	389		6AF	--	--	--	--		0.05	--
1010	5050							--	0.13	--	0.4	--	--	0.12
08/27/75	5050		19.0C	7.2	397		9A	--	--	--	--		0.05	--
1040	5050							--	0.14	--	0.3	--	--	0.14
09/24/75	5050		22.0C	7.8			11A	--	--	--	--		0.06	--
1145	5050				499			--	0.21	--	0.3	--	--	0.19
AO 5925.00						SUTTER BP STATE PP NO 3 NR YUBA CITY								
02/27/75	5050		17.0C	7.6			10A	--	--	--	--		0.08	--
1245	5050				707			--	0.25	--	0.4	--	--	0.21
06/25/75	5050		22.5C	7.4	548		20AF	--	--	--	--		0.04	--
1120	5050							--	0.06	--	0.6	--	--	0.17
07/30/75	5050		24.0C	7.5	481		8AF	--	--	--	--		0.03	--
1110	5050							--	0.06	--	0.5	--	--	0.16
08/27/75	5050		21.0C	7.6	742		10A	--	--	--	--		0.03	--
1110	5050							--	0.06	--	0.6	--	--	0.10
09/24/75	5050		22.0C	7.6			13A	--	--	--	--		0.04	--
1020	5050				800			--	0.07	--	0.5	--	--	0.14
AO 5927.00						WADSWORTH CANAL NR SUTTER								
09/24/75	5050	38.09	21.0C	7.4				--	--	--	--		0.07	--
0955	5050							--	0.14	--	0.3	--	--	0.15
AO 7140.10						AMERICAN RIVER AT SACRAMENTO WATER PLANT								
02/04/75	2163		48 F	7.0	57		14A	0.12	0.01	--	--		0.12	--
1020	5050	1836			61			0.20	0.11	0.2	0.4	--	--	0.13
02/18/75	2163		47 F	7.1	51		3A	0.05	0.01	--	--		0.01	--
1030	5050				53			0.02	0.04	0.08	0.1	--	--	0.03
03/04/75	2163		49 F	7.1	60		5A	0.07	0.00	--	--		0.03	--
0900	5050	4306			61			0.07	0.07	0.13	0.2	--	--	0.05
03/18/75	5050		49 F	7.1	62		4A	0.06	0.00	--	--		0.03	--
0830	5050	6028			66			0.05	0.06	0.15	0.2	--	--	0.05
04/08/75	2163		48.5F	7.2	62		8A	0.15	0.00	--	--		0.02	--
0845	5050	6403			66			0.01	0.15	0.19	0.2	--	--	0.05
04/22/75	2163		51.5F	7.1	66		4A	0.09	0.01	--	--		0.04	--
0815	5050	4594			68			0.04	0.08	0.06	0.1	--	--	0.04
05/06/75	2163	19.53	54.0F	7.2	69		3A	0.02	0.00	--	--		0.02	--
0910	5050	4718			68			0.00	0.02	0.1	0.1	--	--	0.02
05/20/75	2163	19.47	54.0F	7.2	59		3A	0.03	0.00	--	--		0.02	--
0850	5050	4590			62			0.03	0.03	0.17	0.2	--	--	0.03
06/10/75	2163	19.49	61.0	7.1	52		2A	0.04	0.00	--	--		0.02	--
0915	5050	4619			50			0.05	0.04	0.15	0.2	--	--	0.04
06/24/75	2163	18.69	58 F	7.1	48		1A	0.06	0.00	--	--		0.04	--
0900	5050	2892			49			0.03	0.06	0.17	0.2	--	--	0.05
07/08/75	2163	18.69	61.0F	7.0	48		1A	0.1	0.00	--	--		0.06	--
0845	5050	2892			48			0.05	0.10	0.25	0.3	--	--	0.07
07/22/75	2163	18.69	63.0F	7.0	48		1A	0.06	0.00	--	--		0.05	--
0930	5050	2892			48			0.00	0.06	0.1	0.1	--	--	0.05
08/05/75	2163	18.42	62.0F	7.0	45		1A	0.02	0.00	--	--		0.07	--
0900	5050	2412			47			0.05	0.02	0.15	0.2	--	--	0.08
08/19/75	2163	18.16	63 F	7.0	45		2A	0.04	0.00	--	--		0.08	--
0915	5050	1998			50			0.09	0.04	0.21	0.3	--	--	0.10
09/02/75	2163	18.07	65 F	7.0	48		2A	0.03	0.00	--	--		0.12	--
0845	5050	1865			48			0.14	0.03	0.26	0.4	--	--	0.12
09/16/75	2163	18.10	63 F	7.0	45		1A	0.03	0.00	--	--		0.08	--
0900	5050	1908			47			0.13	0.03	0.17	0.3	--	--	0.10
AO 7180.00						AMERICAN RIVER BELOW NIMBUS DAM								
02/04/75	2163		48 F	7.0	65		7A	0.09	0.00	--	--		0.06	--
0930	5050	2010.M			69			0.12	0.09	0.2	0.4	--	--	0.12
02/18/75	5050		47.5F	7.1	50		3A	0.04	0.01	--	--		0.00	--
0930	5050	7510.M			54			0.00	0.03	0.1	0.1	--	--	0.01
03/04/75	2163	7.94	49 F	7.2	57		4A	0.04	0.00	--	--		0.00	--
0830	5050	4030			59			0.00	0.04	0.2	0.2	--	--	0.01
03/18/75	2163	8.46	48.5F	7.2	60		3A	0.05	0.00	--	--		0.00	--
0730	5050	5110			62			0.00	0.05	0.1	0.1	--	--	0.04
04/08/75	2163	9.49	48 F	7.2	62		8A	0.1	0.00	--	--		0.00	--
0800	5050	7480			66			0.00	0.10	0.2	0.2	--	--	0.01
04/22/75	2163	8.45	51.5F	7.2	64		3A	0.06	0.01	--	--		0.02	--
0945	5050	5090			66			0.01	0.05	0.09	0.1	--	--	0.02

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	B.W. DISCH.	TEMP DEPTH	F-PH LAB	F-EC EC	TURB F-CO2	FIELD CACO3 P CACO3 T	D NO2 + NO3 T NH3	O NO2 O NO3	O ORG N T ORG N	O (NH3 + ORG N)	DIS A.H.PO4	O O-PO4 T O-PO4	O TOT P T TOT P
								NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER						
40 7160.00 AMERICAN RIVER BELOW NIMBUS DAM														
												CONTINUED		
03/06/75	2103	8.56	53.0F	7.2	62	3A		0.01	0.00	--	--		0.00	--
0820	5050	5330			66			0.00	0.01	0.2	0.2	--	--	0.01
05/20/75	2103	8.48	54.0F	7.2	57	2A		0.01	0.00	--	--		0.00	--
0800	5050	5160			60			0.03	0.01	0.07	0.1	--	--	0.01
06/10/75	2103	8.50	56.0F	7.1	48	1A		0.01	0.00	--	--		0.00	--
0815	5050	5200			48			0.01	0.01	0.09	0.1	--	--	0.01
06/24/75	2103	7.67	57 F	7.1	44	1A		0.02	0.00	--	--		0.00	--
0800	5050	3520			45			0.00	0.02	0.1	0.1	--	--	0.00
07/08/75	2103	7.67	59.0F	7.2	44	1A		0.01	0.00	--	--		0.00	--
0800	5050	3520			44			0.00	0.01	0.1	0.1	--	--	0.01
07/22/75	2103	7.66	61.0F	7.0	43	0A		0.	0.00	--	--		0.00	--
0800	5050	3500			45			0.00	0.00	0.1	0.1	--	--	0.00
08/05/75	2103	7.37	61.0F	7.0	44	0A		0.	0.00	--	--		0.00	--
0745	5050	3010			44			0.01	0.00	0.09	0.1	--	--	0.01
08/19/75	2103	6.99	62 F	6.8	40	1A		0.	0.00	--	--		0.00	--
0815	5050	2450			43			0.00	0.00	0.1	0.1	--	--	0.01
09/02/75	2103	6.92	63 F	7.0	42	1A		0.02	0.00	--	--		0.00	--
0800	5050	2350			42			0.01	0.02	0.09	0.1	--	--	0.00
09/16/75	2103	6.95	62 F	6.9	40	1A		0.01	0.00	--	--		0.00	--
0745	5050	2390			41			0.00	0.01	0.1	0.1	--	--	0.01
41 1020.00 PIT RIVER NEAR MONTGOMERY CREEK														
03/19/75	5050		7.5C	7.3	105	17AF		--	--	--	--		0.03	--
1000	5050							--	0.07	--	0.2	--	--	0.08
41 1080.00 PIT RIVER NEAR CANBY														
03/19/75	5050	3.52	7.0C	7.7	102	40AF		--	--	--	--		0.06	--
1320	5050							--	0.13	--	0.7	--	--	0.14
05/06/75	5050	4.31	9.0C	7.6		26A		--	--	--	--		0.04	--
1400	5050				145			--	0.13	--	0.4	--	--	0.10
42 1010.00 SACRAMENTO RIVER AT KESWICK														
10/11/74	5050		11.0C	7.3	96	6AF		--	--	--	--		0.02	--
1010	5050	8000						--	0.07	--	0.1	--	--	0.03
11/14/74	5050		12.0C	7.0	115	4AF		--	--	--	--		0.02	--
1450	5050	10000						--	0.08	--	0.2	--	--	0.03
12/05/74	5050		11.0C	7.0	120	6AF		--	--	--	--		0.01	--
0920	5050	10000						--	0.09	--	0.0	--	--	0.03
01/15/75	5050		9.0C	7.2	124	5AF		--	--	--	--		0.02	--
1330	5050	6000						--	0.09	--	0.1	--	--	0.02
02/06/75	5050		8.0C	7.2	114	3AF		--	--	--	--		0.02	--
1145	5050	6000						--	0.08	--	0.1	--	--	0.03
03/05/75	5050		8.5C	7.2	113	4AF		--	--	--	--		0.01	--
1130	5050	8000						--	0.07	--	0.0	--	--	0.03
04/21/75	5050		10.5C	7.1		4A		--	--	--	--		0.01	--
1100	5050	10000			100			--	0.06	--	0.2	--	--	0.03
05/19/75	5050		11.0C	7.4	108	5AF		--	--	--	--		0.03	--
1200	5050	15000						--	0.13	--	0.1	--	--	0.03
06/17/75	5050		11.0C	7.4	102	3AF		--	--	--	--		0.01	--
0925	5050	14000						--	0.06	--	0.0	--	--	0.02
07/22/75	5050		12.0C	7.2	100	3AF		--	--	--	--		0.01	--
1045	5050	12000						--	0.09	--	0.1	--	--	0.03
08/20/75	5050		12.0C	7.1	102	3AF		--	--	--	--		0.00	--
1045	5050	12000						--	0.05	--	0.1	--	--	0.02
09/11/75	5050		13.5C	7.1	96	1A		--	--	--	--		0.01	--
1125	5050	8600						--	0.04	--	0.1	--	--	0.02
43 1110.00 STONY CREEK BELOW BLACK BUTTE DAM														
01/16/75	5050	2.42	8.0C	8.4	347	18A		--	--	--	--		0.00	--
1355	5050							--	0.21	--	--	--	--	--
05/20/75	5050	4.94	16.0C	8.0		6A		--	--	--	--		0.00	--
1120	5050				250			--	0.02	--	0.1	--	--	0.04
43 1250.00 STONY CREEK NEAR FRUTO														
11/15/74	5050		14.0C	8.1	662	4A		--	--	--	--		0.00	--
1110	5050							--	0.07	--	--	--	--	--
12/10/74	5050		7.0C	8.0	679	1AF		--	--	--	--		0.00	--
1125	5050							--	0.35	--	--	--	--	--
04/22/75	5050		13.0C	8.3		5A		--	--	--	--		0.02	--
1100	5050				238			--	0.00	--	0.2	--	--	0.04
43 1302.00 GRINDSTONE CREEK NEAR ELK CREEK														
03/06/75	5050		8.0C	7.8	156	65AF		--	--	--	--		0.02	--
1000	5050							--	0.13	--	--	--	--	--
05/20/75	5050		11.0C	7.6		18A		--	--	--	--		0.00	--
1025	5050	300 E			131			--	0.02	--	--	--	--	--

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	O.N. DISCH.	TEMP OEPTH	F-PH	F-EC LAB EC	FIELD TURB	CACO3 F CACO3 T	D NO2 + NO3 T NH3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER D NO2 O NO3	D ORG N T ORG N	D (NH3 + A.N.PO4	DIS T ORG N)	D O-PO4 T O-PO 4	D TOT P T TOT P
	A3 2120.00				THOMES CREEK AT PASKENTA									
11/15/74	5050	2.75	11.0C	8.3	406	1AF		--	--	--	--		0.00	--
1000	5050							--	0.03	--	--	--	--	--
03/06/75	5050	4.47	8.0C	7.6	141	70AF		--	--	--	--		0.02	--
0900	5050							--	0.19	--	--	--	--	--
05/20/75	5050	4.58	9.0C	7.7	96	32A		--	--	--	--		0.00	--
0920	5050				96			--	0.08	--	--	--	--	--
	A3 3110.00				ELDER CREEK NEAR PASKENTA									
03/06/75	5050		9.0C	7.9	214	68AF		--	--	--	--		0.02	--
1020	5050							--	0.18	--	--	--	--	--
	A4 1110.00				BUTTE CREEK NEAR CHICO									
05/02/75	5050	2.47	11.0C	7.8		0A		--	--	--	--		0.00	--
1030	5050				85			--	0.00	--	0.1	--	--	0.01
	A4 2110.00				BIG CHICO CREEK NEAR CHICO									
05/02/75	5050	2.77	12.5C	7.8		0A		--	--	--	--		0.01	--
0945	5050				95			--	0.01	--	0.1	--	--	0.01
	A6 1265.00				SQUIRREL CREEK NEAR PENN VALLEY									
12/05/74	5050	5.99	48 F	7.2	138	2A		--	--	--	--		0.02	--
1515	5050	12.6			155			--	0.33	--	0.2	--	--	0.02
03/06/75	5050	6.23	50 F	7.2	137			--	--	--	--		0.00	--
0945	5050	22.2						--	0.35	--	0.2	--	--	0.02
06/02/75	5050	6.13	65 F	7.2	108			--	--	--	--		0.02	--
0915	5050	179			123			--	0.52	--	0.2	--	--	0.06
09/18/75	5050	6.00	65 F	7.3	96	0A		--	--	--	--		0.03	--
1130	5050	129			99			--	0.26	--	0.2	--	--	0.06
	A8 L 982.7 254.7 1				CLEAR LAKE AT LAKEPORT									
04/17/75	5050		10.0C	8.0		19A		--	--	--	--		0.01	--
0730	5050				205			--	0.18	--	0.5	--	--	0.03
	A8 1250.00				BEAR CREEK NEAR RUMSEY									
10/04/74	5050	1.15	21.0C	8.3	3540	14F		--	--	--	--		0.02	--
1140	5050							--	1.6	--	--	--	--	--
12/05/74	5050	1.65	9.0C	8.3	2560	6AF		--	--	--	--		0.01	--
1220	5050							--	1.1	--	--	--	--	--
04/17/75	5050	2.00	12.0C	8.2		1A		--	--	--	--		0.00	--
1110	5050				1300			--	0.71	--	0.4	--	--	0.00
09/05/75	5050	1.09	24.0C	8.3	3200	0A		--	--	--	--		0.01	--
1140	5050							--	1.0	--	--	--	--	--
	A8 1350.00				CACHE CREEK NEAR LOWER LAKE									
10/04/74	5050	1.78	21.0C	7.6	264	6AF		--	--	--	--		0.00	--
0950	5050							--	0.02	--	0.6	--	--	0.05
11/15/74	5050	0.58	13.5C	7.6	284	2AF		--	--	--	--		0.01	--
1400	5050							--	0.10	--	0.9	--	--	0.05
12/05/74	5050	0.52	10.0C	7.6	296	4AF		--	--	--	--		0.01	--
1050	5050							--	0.17	--	0.8	--	--	0.05
01/09/75	5050	0.34	6.0C	8.1	294	5AF		--	--	--	--		0.01	--
1115	5050							--	0.24	--	0.9	--	--	0.04
04/17/75	5050	3.67	12.0C	8.3		13A		--	--	--	--		0.01	--
0910	5050	513			273			--	0.02	--	0.6	--	--	0.06
05/15/75	5050	3.92	19.0C	8.0	247	11AF		--	--	--	--		0.00	--
1200	5050							--	0.00	--	0.6	--	--	0.08
06/12/75	5050	3.88	26.0C	8.0	251	10AF		--	--	--	--		0.01	--
0920	5050							--	0.03	--	0.9	--	--	0.07
07/10/75	5050	3.75	25.0C	8.0	243	10AF		--	--	--	--		0.01	--
1105	5050	550						--	0.04	--	0.6	--	--	0.08
08/14/75	5050	3.74	26.0C	8.1	258	5AF		--	--	--	--		0.01	--
1015	5050							--	0.00	--	0.7	--	--	0.06
09/05/75	5050	2.85	24.0C	7.7	256	7AF		--	--	--	--		0.01	--
1015	5050	286						--	0.02	--	0.7	--	--	0.07
	A8 2050.00				CACHE CREEK, NORTH FORK, NEAR LOWER LAKE									
02/21/75	5050	0.48	7.5C	7.3	199	45AF		--	--	--	--		0.03	--
1030	5050							--	0.21	--	0.6	--	--	0.10
04/17/75	5050	1.09	12.0C	8.2		1A		--	--	--	--		0.00	--
1020	5050				325			--	0.32	--	0.1	--	--	0.00
	B0 7020.00				SAN JOAQUIN RIVER NEAR VERNALIS									
10/02/74	5001		19 C	7.6	345	14AF		--	--	0.00	0.0		0.07	--
1035	5001		3					0.06	0.64	0.40	0.46	--	--	0.16
10/16/74	5001	12.37	19 C	7.6	500	24AF		--	--	0.67	0.7		0.10	--
1030	5001	2700	3					0.03	0.84	1.13	1.16	--	--	0.23
11/08/74	5001	14.49	14 C	7.3	330	16AF		--	--	0.53	0.6		0.06	--
1425	5001	4500	3					0.07	0.66	0.67	0.74	--	--	0.11
11/18/74	5001	13.57	15 C	7.3	440	10AF		--	--	0.71	0.8		0.08	--
1320	5001	3670	3					0.09	0.52	0.85	0.94	--	--	0.13

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	O.N. DISCH.	TEMP DEPTH	F-PH LAB	F-EC LAB EC	TURB F-CO2	FIELD CACO3 P CACO3 T	D NO2 + NO3 T NH3	D NO2 D NO3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER D ORG N T ORG N	D (NH3 + ORG N)	DIS A.H.PO4	D O-PO4 T O-PO 4	D TOT P T TOT P
80 7020.00					SAN JOAQUIN RIVER NEAR VERNALIS					CONTINUED				
12/17/74	5001	14.62	12 C	7.6	375	9AF		--	--	0.23	0.3		0.07	--
1300	5001	4510	3					0.07	0.47	0.31	0.38	--	--	0.11
12/19/74	5050	12.67	10.0C	7.2	350			--	--	--	--		--	--
0900	5050							--	0.57	--	--	--	--	--
01/21/75	5001	12.58	10 C	7.5	645	8AF		--	--	0.38	0.5		0.09	--
1600	5001	2750	3					0.12	0.95	0.50	0.62	--	--	0.17
02/03/75	5001	13.27	11 C		633	16AF		--	--	0.66	0.8		0.08	--
1450	5001	3325	3					0.14	0.76	0.90	1.04	--	--	0.19
03/10/75	5001	16.39	13 C	7.6	408	22AF		0.72	0.01	0.4	--		0.09	--
1115	5050	6420	3				64	0.05	0.71	0.5	0.55	--	--	0.15
04/01/75	5001	16.40	13 C	7.6	398	25AF		0.71	0.01	0.5	--		0.05	--
1240	5050	6440	3				62	0.03	0.70	0.6	0.63	--	--	0.14
04/18/75	5001	13.22	15 C	7.4	633	26AF		1.	0.02	0.3	--		0.10	--
1410	5050	3300	3				90	0.02	0.98	0.7	0.72	--	--	0.18
05/01/75	5001	12.14	19 C	7.8	702	32AF		1.02	0.02	0.7	--		0.13	--
1335	5050	2510	3				103	0.10	1.0	0.9	1.0	--	--	0.22
06/15/75	5001	13.79	18 C	7.0	405	19AF		0.47	0.02	0.4	--		0.00	--
1310	5050	3870	3				68	0.00	0.45	0.5	0.5	--	--	0.15
08/03/75	5001	16.61	19 C	7.3	198	18AF		0.94	0.00	0.4	--		0.06	--
1700	5050	6670	3				36	0.00	0.94	0.5	0.5	--	--	0.15
08/17/75	5001	17.89	19 C	7.6	140	17AF		0.32	0.00	0.3	--		0.05	--
1815	5050	7930	3				30	0.00	0.32	0.3	0.3	--	--	0.10
08/25/75	5050		19 C	7.8	531	38AF		--	--	0.37	--		0.08	--
1010	5001	2930	3				82	0.03	0.78	0.83	0.86	--	--	0.26
07/01/75	5001		21 C	8.2	736	32AF		1.22	0.02	0.5	--		0.09	--
1335	5050		3				119	0.00	1.2	1.0	1.0	--	--	0.27
07/15/75	5001	10.93	22 C	8.2	778	50AF		1.11	0.01	0.2	--		0.09	--
1310	5050		3					0.00	1.1	1.2	1.2	--	--	0.29
07/23/75	5050		25 C	7.4	865	54AF		--	--	0.64	--		0.11	--
1035	5001		3				108	0.06	1.30	1.46	1.52	--	--	0.32
08/12/75	5001		26.0C	7.2	733	40AF		1.33	0.03	0.8	--		0.12	--
1615	5050		3					0.03	1.3	1.0	1.03	--	--	0.12
08/28/75	5001	11.14	25 C	7.7	605	31AF		1.22	0.02	0.8	--		0.07	--
1200	5050	1790	3					0.01	1.2	1.0	1.01	--	--	0.24
09/11/75	5001	12.16	22 C	7.8	471	19AF		0.92	0.01	0.4	--		0.06	--
1410	5050	2530	3					0.00	0.91	0.7	0.7	--	--	0.13
09/25/75	5001	12.01	23 C	7.8	379	19AF		0.7	0.01	0.4	--		0.06	--
1330	5050	3050	3					0.00	0.69	0.4	0.4	--	--	0.26
82 0180.01					JACKSON CREEK AT JAPUR ROAD BRIDGE									
05/08/75	2103		64 F	8.8	233			--	--	--	--		0.13	--
1340	5050				231			0.02	0.26	--	--	--	--	0.20
82 0185.01					JACKSON CREEK BELOW CITY OF JACKSON STP									
05/08/75	2103		59 F	7.9	225			--	--	--	--		0.16	--
0945	5050				232			0.09	0.46	--	--	--	--	0.21
82 0190.20					JACKSON CREEK ABOVE CITY OF JACKSON STP									
05/08/75	2103		58 F	8.0	210			--	--	--	--		0.00	--
0915	5050				257			0.03	0.10	--	--	--	--	0.01
82 0190.55					JACKSON CREEK, NORTH FORK, IN JACKSON									
05/08/75	2103		63 F	8.0	325			--	--	--	--		0.01	--
1250	5050				333			0.00	0.14	--	--	--	--	0.03
82 0190.70					JACKSON CREEK, SOUTH FORK, IN JACKSON									
05/08/75	2103		64 F	7.8	171			--	--	--	--		0.00	--
1040	5050				172			0.00	0.22	--	--	--	--	0.01
82 0191.01					JACKSON CREEK ABOVE SOUTH FORK JACKSON CREEK									
05/08/75	2103		62 F	7.6	172			--	--	--	--		0.00	--
1100	5050				182			0.33	0.03	--	--	--	--	0.05
82 0193.01					JACKSON CREEK BELOW NEW YORK BULCH									
05/08/75	2103		65 F	7.6	151			--	--	--	--		0.00	--
1220	5050				160			0.02	0.00	--	--	--	--	0.02
89 D 745.3 118.3					SAN JOAQUIN RIVER ABOVE PARADISE CUT									
06/25/75	5050		20 C	7.9	540	31AF		--	--	0.18	--		0.08	--
1125	5001		3				93	0.02	0.72	0.66	0.68	--	--	0.24
07/23/75	5050		25 C	8.2	918	34AF		--	--	.56	--		.08	--
1125	5001		3				106	.04	1.30	1.62	1.66	--	--	.27
89 D 747.2 118.4					SAN JOAQUIN RIVER AT MOSSDALE BRIDGE									
10/02/74	5001		19 C	7.4	365	12AF		--	--	0.45	0.5		0.06	--
0950	5001		3					0.05	0.70	0.85	0.90	--	--	0.16
10/16/74	5001		18 C	7.4	449	18AF		--	--	0.44	0.5		0.08	--
0945	5001		3					0.06	0.79	0.84	0.90	--	--	0.21
11/06/74	5001		14 C	7.3	290	15AF		--	--	0.64	0.7		0.06	--
1350	5001		3					0.06	0.61	0.78	0.84	--	--	0.11

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. DISCH.	TEMP DEPTH	F-RN LAB	F-EC	TURB F-CO2	FIELD CACO3 T	CACO3 P	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER D NO2 + NO3 T NH3	D NO2 D NO3	D ORG N T ORG N	O (NH3 + I ORG N)	OIS A.H.PO4	D O-PO4 T O-PO4	D TOT P T TOT P
89 0 747.2 118.4						SAN JOAQUIN RIVER AT MOSSDALE BRIDGE					CONTINUED				
11/18/74	5001		13 C	7.7	440	11AF			--	--	0.62	0.7		0.08	--
1240	5001		3						0.08	0.58	0.76	0.84	--	--	0.13
12/17/74	5001		11 C	7.7	373	11AF			--	--	0.44	0.5		0.07	--
1220	5001		3						0.06	0.50	0.52	0.58	--	--	0.12
01/21/75	5001		10 C	7.4	597	8AF			--	--	0.24	0.4		0.08	--
1515	5001		3						0.16	0.81	0.38	0.54	--	--	0.14
02/03/75	5001		10 C		562	12AF			--	--	0.52	0.6		0.07	--
1410	5001		3						0.08	0.67	0.66	0.74	--	--	0.14
03/18/75	5001		12 C	7.5	381	25AF			0.71	0.01	0.4	--		0.10	--
1010	5050		3					62	0.04	0.70	0.6	0.64	--	--	0.16
04/01/75	5001		12 C	7.7	373	26AF			0.71	0.01	0.4	--		0.07	--
1150	5050		3					62	0.02	0.70	0.6	0.62	--	--	0.14
04/18/75	5001		14 C	7.8	641	21AF			0.98	0.01	0.4	--		0.09	--
1310	5050		3					89	0.01	0.97	0.6	0.61	--	--	0.18
05/01/75	5001		18 C	7.8	695	22AF			0.93	0.01	0.4	--		0.15	--
1235	5050		3					101	0.02	0.92	0.7	0.72	--	--	0.21
05/15/75	5001		18 C	7.9	420	18AF			0.4	0.01	0.4	--		0.07	--
1115	5050		3					69	0.00	0.39	0.5	0.5	--	--	0.15
06/03/75	5001		20 C	7.5	211	22AF			0.25	0.00	0.5	--		0.06	--
1600	5050		3					39	0.00	0.25	0.5	0.5	--	--	0.15
06/17/75	5001		20 C	7.5	153	21AF			0.31	0.00	0.3	--		0.05	--
1525	5050		3					33	0.00	0.31	0.4	0.4	--	--	0.13
06/25/75	5050		20 C	7.9	541	28AF			--	--	0.18	--		0.07	--
1225	5001		3					93	0.02	0.72	0.80	0.82	--	--	0.23
07/01/75	5001		21 C	8.2	708	26AF			0.92	0.01	0.2	--		0.07	--
1435	5050		3					113	0.02	0.91	0.9	0.92	--	--	0.23
07/15/75	5001		22 C	8.5	837	25AF			0.95	0.01	0.3	--		0.07	--
1400	5050		3						0.00	0.94	1.1	1.1	--	--	0.23
07/23/75	5050		26 C	8.2	806	35AF			--	--	.65	--		.08	--
1200	5001		3					108	.05	1.10	1.45	1.5	--	--	.29
08/12/75	5001		25.0C	7.4	843	28AF			1.13	0.03	0.8	--		0.11	--
1525	5050		3						0.08	1.1	1.0	1.08	--	--	0.15
08/26/75	5001		24 C	7.7	643	19AF			1.02	0.02	0.4	--		0.12	--
1120	5050		3						0.02	1.0	0.9	0.92	--	--	0.16
09/11/75	5001		22 C	7.8	512	17AF			0.88	0.01	0.6	--		0.07	--
1315	5050		3						0.04	0.87	0.6	0.64	--	--	0.14
09/25/75	5001		22 C	7.7	410	18AF			0.76	0.01	0.4	--		0.07	--
1240	5050		3						0.03	0.75	0.4	0.43	--	--	0.24
89 0 748.3 126.9						OLD RIVER AT TRACY ROAD BRIDGE									
10/03/74	5001		19 C	7.8	415	17AF			--	--	0.58	0.7		0.05	--
0945	5001		3						0.12	0.62	0.98	1.10	--	--	0.14
10/17/74	5001		18 C	7.3	498	18AF			--	--	0.63	1.0		0.08	--
0950	5001		3						0.37	0.70	0.99	1.36	--	--	0.19
11/07/74	5001		13 C	7.3	278	14AF			--	--	0.76	0.9		0.07	--
1455	5001		3						0.14	0.58	0.86	1.00	--	--	1.11
11/19/74	5001		13 C	7.6	470	12AF			--	--	0.65	0.8		0.09	--
1245	5001		3						0.15	0.62	0.77	0.92	--	--	0.15
12/18/74	5001		10 C	7.4	484	10AF			--	--	0.25	0.6		0.14	--
1200	5001		3						0.35	0.53	0.33	0.68	--	--	0.22
01/22/75	5001		9 C	7.4	595	9AF			--	--	0.48	0.7		0.12	--
1515	5001		3						0.22	0.75	0.60	0.82	--	--	0.19
02/04/75	5001		10 C	7.7	590	14AF			--	--	0.59	0.7		0.07	--
1455	5001		3					71	0.11	0.68	0.77	0.88	--	--	0.15
03/18/75	5001		12 C	7.6	424	18AF			0.81	0.01	0.4	--		0.11	--
0930	5050		3					67	0.06	0.80	0.4	0.46	--	--	0.16
04/01/75	5001		11 C	7.7	382	23AF			0.63	0.00	0.4	--		0.07	--
1110	5050		3					62	0.02	0.63	0.5	0.52	--	--	0.13
04/18/75	5001		14 C	8.2	665	17AF			0.92	0.02	0.4	--		0.13	--
1225	5050		3					93	0.01	0.90	0.8	0.81	--	--	0.25
05/01/75	5001		17 C	8.2	753	20AF			0.83	0.02	0.6	--		0.12	--
1115	5050		3					106	0.01	0.81	1.0	1.01	--	--	0.23
05/15/75	5001		18 C	8.1	534	20AF			0.35	0.01	0.4	--		0.10	--
1015	5050		3					85	0.02	0.34	0.8	0.82	--	--	0.20
06/03/75	5001		21 C	7.7	250	25AF			0.16	0.00	0.5	--		0.06	--
1515	5050		3					45	0.00	0.16	0.6	0.6	--	--	0.18
06/17/75	5001		20 C	7.7	180	24AF			0.52	0.01	0.4	--		0.07	--
1425	5050		3					38	0.03	0.51	0.4	0.43	--	--	0.13
07/01/75	5001		20 C	8.7	758	27AF			0.99	0.01	0.6	--		0.06	--
1340	5050		3					111	0.00	0.98	1.1	1.1	--	--	0.24
07/15/75	5001		22 C	8.2	945	27AF			0.65	0.03	0.3	--		0.09	--
1300	5050		3					136	0.16	0.62	1.1	1.26	--	--	0.26
08/12/75	5001		25.0C	7.4	878	32AF			1.14	0.04	0.9	--		0.17	--
1430	5050		3						0.14	1.1	1.1	1.24	--	--	0.17

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	D.W. DISCH.	TEMP DEPTH	F-PH LAB	F-EC EC	TURB F-CO2	FIELD CACO3 CACO3	P T	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER D NO2 + NO3 7 NH3	D NO2 D NO3	D ORG N T ORG N	D (NH3 + T ORG N)	DIS A.M.PO4	D O-PO4 T O-PO 4	D TOT P T TOT P
									CONTINUED						
89 D 749.3 126.9 OLD RIVER AT TRACY ROAD BRIDGE															
08/26/75	5001		23	C 7.8	650	24AF			1.12	0.02	0.3	--		0.10	--
1025	5050		3						0.10	1.1	0.9	1.0	--	--	0.19
09/11/75	5001		22	C 7.8	515	23AF			0.82	0.02	0.6	--		0.07	--
1225	5050		3						0.07	0.80	0.7	0.77	--	--	0.16
09/25/75	5001		23	C 7.5	501	22AF			0.7	0.02	0.5	--		0.09	--
1145	5050		3						0.10	0.98	0.5	0.6	--	--	0.25
89 D 749.8 133.2 WEST CANAL AT MOUTH OF INTAKE TO CLIFTON CT FOREBAY															
10/03/74	5001		20	C 7.8	304	20AF			--	--	0.53	0.6		0.06	--
1035	5001		3						0.07	0.35	0.67	0.74	--	--	0.12
10/17/74	5001		19	C 7.3	235	21AF			--	--	0.54	0.6		0.06	--
1040	5001		3						0.06	0.40	0.68	0.74	--	--	0.13
11/07/74	5001		13	C 7.3	311	16AF			--	--	0.55	0.7		0.07	--
1550	5001		3						0.15	0.65	0.65	0.80	--	--	0.12
11/19/74	5001		13	C 7.5	520	11AF			--	--	0.55	0.7		0.09	--
1330	5001		3						0.15	0.79	0.67	0.82	--	--	0.14
12/18/74	5001		10	C 7.5	403	17AF			--	--	0.33	0.4		0.07	--
1300	5001		3						0.07	0.92	0.39	0.46	--	--	0.14
01/22/75	5001		7	C 7.2	432	20AF			--	--	0.67	0.8		0.08	--
1615	5001		3						0.13	1.60	0.79	0.92	--	--	0.16
02/04/75	5001		8	C 7.5	354	21AF			--	--	0.14	0.8		0.07	--
1600	5001		3						0.11	0.92	0.81	0.92	--	--	0.14
03/18/75	5001		12	C 7.5	412	18AF			0.81	0.01	0.5	--		0.10	--
1155	5050		3				64		0.03	0.80	0.5	0.53	--	--	0.14
04/01/75	5001		12	C 7.8	377	21AF			0.83	0.01	0.4	--		0.09	--
1210	5050		3				66		0.04	0.82	0.5	0.54	--	--	0.14
04/16/75	5001		13	C 7.8	284	24AF			0.7	0.03	0.2	--		0.08	--
1105	5050		3						0.02	0.67	0.4	0.42	--	--	0.11
05/01/75	5001		16	C 7.7	233	21AF			0.33	0.00	0.1	--		0.07	--
1225	5050		3				56		0.01	0.33	0.3	0.31	--	--	0.10
05/15/75	5001		18	C 7.8	235	25AF			0.17	0.00	0.2	--		0.05	--
1110	5050		3				54		0.00	0.17	0.4	0.4	--	--	0.12
06/03/75	5001		21	C 7.8	291	25AF			0.54	0.00	0.3	--		0.06	--
1635	5050		3				52		0.02	0.54	0.5	0.52	--	--	0.14
06/17/75	5001		21	C 7.6	220	28AF			0.4	0.00	0.2	--		0.06	--
1555	5050		3						0.00	0.40	0.4	0.4	--	--	0.12
07/01/75	5001		22	C 7.6	227	31AF			0.47	0.01	0.4	--		0.08	--
1525	5050		3				48		0.00	0.46	0.4	0.4	--	--	0.16
07/15/75	5001		23	C 7.6	208	23AF			0.36	0.00	1.0	--		0.07	--
1440	5050		3						0.00	0.36	1.0	1.0	--	--	0.11
08/12/75	5001		25.0	C 7.6	178	18AF			0.1	0.00	0.3	--		0.06	--
1245	5050		3				54		0.02	0.10	0.3	0.32	--	--	0.10
08/25/75	5001		24	C 7.6	208	21AF			0.11	0.00	0.4	--		0.08	--
1100	5050		3						0.00	0.11	0.4	0.4	--	--	0.08
09/11/75	5001		23	C 8.5	221	17AF			0.11	0.00	0.3	--		0.04	--
1335	5050		3						0.04	0.11	0.5	0.54	--	--	0.10
09/26/75	5001		23	C	242	17AF			0.21	0.00	0.3	--		0.06	--
1315	5050		3						0.00	0.21	0.3	0.3	--	--	0.14
89 D 751.9 119.3 SAN JOAQUIN RIVER AT BRANDT BRIDGE															
10/02/74	5001		19	C 7.5	375	12AF			--	--	0.46	0.5		0.04	--
0915	5001		3						0.04	0.68	0.76	0.80	--	--	0.12
10/16/74	5001		18	C 7.4	430	11AF			--	--	0.41	0.5		0.07	--
0910	5001		3						0.09	0.80	0.73	0.82	--	--	0.16
11/06/74	5001		15	C 7.4	268	11AF			--	--	0.53	0.6		0.06	--
1315	5001		3						0.07	0.60	0.61	0.68	--	--	0.09
11/18/74	5001		13	C 7.7	430	8AF			--	--	0.60	0.7		0.08	--
1150	5001		3						0.10	0.63	0.74	0.84	--	--	0.13
12/17/74	5001		11	C 7.6	374	9AF			--	--	0.43	0.5		0.08	--
1140	5001		3						0.07	0.50	0.49	0.56	--	--	0.11
01/21/75	5001		10	C 7.4	398	7AF			--	--	0.33	0.4		0.06	--
1440	5001		3						0.07	0.62	0.39	0.46	--	--	0.10
02/03/75	5001		10	C	445	10AF			--	--	0.45	0.5		0.05	--
1335	5001		3						0.05	0.51	0.57	0.62	--	--	0.12
89 D 757.4 131.7 MIDDLE RIVER AT BACON ISLAND BRIDGE															
10/01/74	5001		21	C 7.6	355	13AF			--	--	0.29	0.4		0.09	--
0950	5001		3						0.11	0.50	0.45	0.56	--	--	0.15
10/16/74	5001		19	C 7.5	326	13AF			--	--	0.19	0.3		0.08	--
0905	5001		3						0.11	0.64	0.31	0.42	--	--	0.12
11/06/74	5001		15	C 7.4	325	15AF			--	--	0.55	0.6		0.07	--
1410	5001		3						0.05	0.66	0.61	0.66	--	--	0.11
11/18/74	5001		14	C 7.4	352	13AF			--	--	0.45	0.5		0.06	--
1215	5001		3						0.05	0.71	0.53	0.58	--	--	0.12
12/17/74	5001		10	C	374	14AF			--	--	0.30	0.4		0.08	--
1110	5001		3						0.10	1.18	0.36	0.46	--	--	0.14

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

B9 D 757.4 131.7 MIDDLE RIVER AT BACON ISLAND BRIDGE — CONTINUED

DATE TIME	SAMP LAB	G.N. DISCH.	TEMP DEPTH	F-PH	F-EC LAB EC	TURB F-CO2	FIELD CACO3 P CACO3 T	D NO2 + NO3 T NH3	D NO2 D NO3	D ORG N T ORG N	D (NH3 + T ORG N)	DIS A.H.PO4	D O-PO4 T O-PO4	D TOT P T TOT P
02/03/75	5001		8 C	7.1	391	12AF		--	--	0.75	0.9		0.09	--
1325	5001		3					0.15	0.85	0.85	1.00	--	--	0.21

B9 D 758.2 134.3 OLD RIVER OPPOSITE RANCHO DEL RIO

DATE TIME	SAMP LAB	G.N. DISCH.	TEMP DEPTH	F-PH	F-EC LAB EC	TURB F-CO2	FIELD CACO3 P CACO3 T	D NO2 + NO3 T NH3	D NO2 D NO3	D ORG N T ORG N	D (NH3 + T ORG N)	DIS A.H.PO4	D O-PO4 T O-PO4	D TOT P T TOT P
10/01/74	5001		20 C	7.8	202	17AF		--	--	0.27	0.3		0.04	--
1020	5001		3					0.03	0.13	0.41	0.44	--	--	0.10
10/16/74	5001		19 C	7.5	187	14AF		--	--	0.06	0.1		0.05	--
0935	5001		3					0.04	0.23	0.24	0.28	--	--	0.08
11/06/74	5001		15 C	7.5	278	16AF		--	--	0.54	0.6		0.06	--
1440	5001		3					0.06	0.53	0.62	0.68	--	--	0.09
11/18/74	5001		14 C	7.5	310	13AF		--	--	0.37	0.4		0.05	--
1305	5001		3					0.03	0.65	0.43	0.46	--	--	0.10
12/17/74	5001		10 C		338	15AF		--	--	0.15	0.2		0.06	--
1155	5001		3					0.05	0.71	0.10	0.24	--	--	0.10
02/03/75	5001		8 C	7.3	255	15AF		--	--	0.59	0.7		0.06	--
1410	5001		3					0.11	0.52	0.67	0.78	•	--	0.11
03/18/75	5001		12 C	7.5	305	23AF		0.63	0.01	0.3	--		0.08	--
1050	5050		3				62	0.02	0.62	0.4	0.42	--	--	0.12
04/01/75	5001		11 C	7.9	258	28AF		0.53	0.00	0.3	--		0.08	--
1055	5050		3				61	0.04	0.53	0.4	0.44	--	--	0.12
04/16/75	5001		'4 C	7.6	192	23AF		0.43	0.04	0.2	--		0.07	--
1005	5050		3					0.00	0.39	0.3	0.3	--	--	0.10
05/01/75	5001		17 C	7.8	176	16AF		0.2	0.00	0.1	--		0.06	--
1125	5050		3				52	0.00	0.20	0.2	0.2	--	--	0.08
05/15/75	5001		18 C	8.3	135	17AF		0.04	0.00	0.1	--		0.02	--
1015	5050		3				47	0.00	0.04	0.3	0.3	--	--	0.07
06/03/75	5001		23 C	7.6	198	21AF		0.14	0.00	0.3	--		0.06	--
1535	5050		3				51	0.02	0.14	0.3	0.32	--	--	0.10
06/17/75	5001		3 C	7.5	228	24AF		0.33	0.00	0.2	--		0.07	--
1455	5050		3					0.00	0.33	0.4	0.4	--	--	0.12
07/01/75	5001		23 C	7.5	175	24AF		0.33	0.00	0.2	--		0.07	--
1420	5050		3				47	0.00	0.33	0.2	0.2	--	--	0.12
07/15/75	5001		'3 C	7.6	165	18AF		0.29	0.00	0.7	--		0.07	--
1340	5050		3				48	0.01	0.29	0.7	0.71	--	--	0.10
08/12/75	5001		24.0C	7.9	167	15AF		0.09	0.00	0.3	--		0.06	--
1155	5050		3				53	0.01	0.09	0.3	0.31	--	--	0.08
08/25/75	5001		24 C	7.8	222	13AF		0.08	0.00	0.4	--		0.07	--
1005	5050		3					0.01	0.08	0.4	0.41	--	--	0.10
09/11/75	5001		22 C	8.5	206	12AF		0.08	0.00	0.2	--		0.04	--
1215	5050		3					0.00	0.08	0.3	0.3	--	--	0.08
09/26/75	5001		23 C		199	12AF		0.08	0.00	0.2	--		0.05	--
1225	5050		3					0.00	0.08	0.2	0.2	--	--	0.11

B9 D 758.6 138.3 ROCK SLOUGH AT CONTRA COSTA CANAL INTAKE

DATE TIME	SAMP LAB	G.N. DISCH.	TEMP DEPTH	F-PH	F-EC LAB EC	TURB F-CO2	FIELD CACO3 P CACO3 T	D NO2 + NO3 T NH3	D NO2 D NO3	D ORG N T ORG N	D (NH3 + T ORG N)	DIS A.H.PO4	D O-PO4 T O-PO4	D TOT P T TOT P
10/03/74	5001		20 C	7.4	191	18AF		--	--	0.84	0.9		0.05	--
0840	5001		3					0.06	0.07	0.98	1.04	--	--	0.10
10/17/74	5001		19 C	7.3	183	18AF		--	--	0.32	0.4		0.05	--
0850	5001		3					0.08	0.21	0.42	0.50	--	--	0.10
11/07/74	5001		14 C	7.1	235	18AF		--	--	0.53	0.6		0.05	--
1355	5001		3					0.07	0.41	0.61	0.68	--	--	0.09
11/19/74	5001		14 C	7.1	350	15AF		--	--	0.62	0.7		0.05	--
1140	5001		3					0.08	0.64	0.72	0.80	--	--	0.09
12/18/74	5001		9 C	7.4	406	15AF		--	--	0.35	0.4		0.06	--
1100	5001		3					0.05	1.06	0.41	0.46	--	--	0.11
01/22/75	5001		7 C	7.3	325	16AF		--	--	0.61	0.7		0.06	--
1415	5001		3					0.09	0.83	0.71	0.80	--	--	0.13
02/04/75	5001		8 C	7.2	294	18AF		--	--	0.62	0.7		0.06	--
1350	5001		3				62	0.08	0.60	0.70	0.78	--	--	0.11

B9 D 758.7 122.9 SAN JOAQUIN RIVER AT BUCKLEY COVE

DATE TIME	SAMP LAB	G.N. DISCH.	TEMP DEPTH	F-PH	F-EC LAB EC	TURB F-CO2	FIELD CACO3 P CACO3 T	D NO2 + NO3 T NH3	D NO2 D NO3	D ORG N T ORG N	D (NH3 + T ORG N)	DIS A.H.PO4	D O-PO4 T O-PO4	D TOT P T TOT P
10/01/74	5001		20 C	7.7	388	13AF		--	--	0.51	0.6		0.11	--
0850	5001		3					0.09	0.59	0.93	1.02	--	--	0.22
10/16/74	5001		18 C	7.7	510	14AF		--	--	0.28	0.4		0.11	--
0750	5001		3					0.12	0.99	0.54	0.66	--	--	0.19
11/06/74	5001		15 C	7.6	313	9AF		--	--	0.39	0.5		0.10	--
1310	5001		3					0.11	0.61	0.59	0.70	--	--	0.15
11/18/74	5001		14 C	7.6	405	8AF		--	--	--	--		0.10	--
1115	5001		3					0.09	0.73	--	--	--	--	0.17
12/17/74	5001		10 C	7.2	370	11AF		--	--	0.16	0.3		0.13	--
1005	5001		3					0.14	0.53	0.24	0.38	--	--	0.18
02/03/75	5001		9 C	7.4	508	7AF		--	--	0.58	0.7		0.13	--
1225	5001		3					0.12	0.69	0.76	0.88	--	--	0.22
03/18/75	5001		11 C	7.5	335	18AF		0.62	0.00	0.5	--		0.16	--
0935	5050		3				66*	0.21	0.62	0.6	0.81	--	--	0.18
04/01/75	5001		12 C	7.7	315	17AF		0.59	0.02	0.3	--		0.11	--
0915	5050		3				62	0.08	0.57	0.4	0.48	--	--	0.19

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	O.H. DISCH.	TEMP DEPTH	F-PH LAB	F-EC EC	TURB	FIELD CACO3 P	CACO3 T	D NO2 + NO3 T	D NO2 T NH3	D NO2 O NO3	D ORO N T ORO N	O (NH3 + T ORO N)	OIS A.H.PO4	O O-PO4 T O-PO4	D TOT P T TOT P
									NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER							
89 O 758.7 122.9 SAN JOAQUIN RIVER AT BUCKLEY COVE CONTINUED																
04/16/75	5001		15	C	7.2	395	15AF			0.82	0.06	0.4	--		0.11	--
0835	5050		3							0.04	0.76	0.6	0.64	--	--	0.17
05/01/75	5001		17	C	8.1	549	12AF			--	0.02	0.3	--		0.29	--
0955	5050		3					86		0.06	0.76	0.8	0.86	--	--	0.28
05/01/75	5050		17	C	7.9	541	17AF			--	--	--	--		--	--
0956	5050		35					88		--	--	--	--	--	--	--
05/15/75	5001		20	C	8.2	453	13AF			0.54	0.02	0.3	--		0.21	--
0855	5050		3					80		0.05	0.52	0.8	0.85	--	--	0.30
06/03/75	5001		22	C	8.1	333	17AF			0.37	0.01	0.4	--		0.14	--
1400	5050		3					57		0.05	0.36	0.7	0.75	--	--	0.24
06/17/75	5001		22	C	7.6	187	18AF			0.39	0.01	0.2	--		0.10	--
1330	5050		3							0.04	0.38	0.4	0.44	--	--	0.15
07/01/75	5001		23	C	7.5	415	15AF			0.96	0.03	0.3	--		0.14	--
1305	5050		3					71		0.11	0.93	0.4	0.51	--	--	0.20
07/15/75	5001		24	C	7.7	560	11AF			0.79	0.03	0.7	--		0.13	--
1200	5050		3							0.10	0.76	0.7	0.8	--	--	0.16
08/12/75	5001		26.0	C	8.0	426	15AF			0.15	0.01	0.8	--		0.09	--
1015	5050		3					80		0.07	0.14	0.8	0.87	--	--	0.15
08/25/75	5001		25	C	7.6	566	12AF			0.57	0.04	0.7	--		0.24	--
0855	5050		3							0.36	0.53	0.8	1.16	--	--	0.39
09/11/75	5001		24	C	8.2	620	12AF			1.45	0.56	0.8	--		0.32	--
1100	5050		3							0.28	0.89	0.8	1.08	--	--	0.46
09/26/75	5001		24	C		512	8AF			1.39	0.09	0.6	--		0.24	--
1105	5050		3							0.21	1.3	0.6	0.81	--	--	0.39
89 O 758.8 128.5 TURNER CUT AT MCDONALD ISLAND FERRY																
10/01/74	5001		21	C	7.5	403	15AF			--	--	0.38	0.6		0.13	--
0925	5001		3							0.22	0.57	0.58	0.80	--	--	0.22
10/16/74	5001		18	C	7.6	435	16AF			--	--	0.34	0.5		0.11	--
0820	5001		3							0.16	0.87	0.54	0.70	--	--	0.19
11/06/74	5001		15	C	7.4	360	13AF			--	--	0.41	0.5		0.10	--
1340	5001		3							0.09	0.65	0.61	0.70	--	--	0.18
11/18/74	5001		14	C	7.5	378	13AF			--	--	0.46	0.6		0.16	--
1150	5001		3							0.14	0.72	0.64	0.78	--	--	0.27
12/17/74	5001		11	C		348	15AF			--	--	0.18	0.3		0.12	--
1040	5001		3							0.12	0.12	0.26	0.38	--	--	0.18
02/03/75	5001		9	C	7.2	462	10AF			--	--	0.67	0.8		0.13	--
1300	5001		3							0.13	0.75	0.83	0.96	--	--	0.16
89 O 801.1 142.6 BIG BREAK NEAR OAKLEY																
10/09/74	5001		18	C	7.9	166	15AF			--	--	0.16	0.2		0.05	--
1205	5001		3							0.04	0.13	0.28	0.32	--	--	0.10
10/23/74	5001		18	C	7.8	142	11AF			--	--	0.56	0.6		0.05	--
1140	5001		3							0.04	0.17	0.62	0.66	--	--	0.11
11/21/74	5001		13	C	7.8	182	11AF			--	--	0.26	0.3		0.07	--
1200	5001		3							0.04	0.37	0.32	0.36	--	--	0.10
12/11/74	5001		10	C	7.2	177	11AF			--	--	0.06	0.1		0.05	--
1535	5001		3							0.04	0.30	0.10	0.14	--	--	0.10
01/08/75	5001		8	C	7.9	231	15AF			--	--	0.24	0.3		0.07	--
1425	5001		3					56		0.06	0.48	0.32	0.38	--	--	0.12
02/06/75	5001		9	C	7.7	219	14AF			--	--	0.34	0.4		0.07	--
1445	5001		3					61		0.06	0.40	0.44	0.50	--	--	0.12
03/20/75	5001		11	C	7.8	256	40AF			0.46	0.00	0.3	--		0.07	--
1055	5050		3					61		0.03	0.46	0.3	0.33	--	--	0.13
04/03/75	5001		12	C	7.9	203	46AF			0.4	0.00	0.3	--		0.05	--
1145	5050		3					56		0.01	0.40	0.4	0.41	--	--	0.12
04/23/75	5001		16	C	8.0	178	20AF			0.24	0.00	0.2	--		0.06	--
1605	5050		3					56		0.00	0.24	0.2	0.2	--	--	0.07
05/08/75	5001		18	C	8.8	143	16AF			0.07	0.00	0.1	--		0.04	--
1625	5050		3					51		0.00	0.07	0.2	0.2	--	--	0.07
05/22/75	5001		20	C	8.4	160	23AF			0.01	0.00	0.2	--		0.04	--
1640	5050		3					48		0.00	0.01	0.3	0.3	--	--	0.08
06/05/75	5001		23	C	8.0	173	32AF			0.01	0.00	0.1	--		0.04	--
1700	5050		3					52		0.00	0.01	0.5	0.5	--	--	0.12
06/19/75	5001		20	C	7.6	152	21AF			0.15	0.00	0.1	--		0.05	--
1450	5050		3					44		0.00	0.15	0.3	0.3	--	--	0.09
07/03/75	5001		21	C	7.9	152	24AF			0.17	0.00	0.3	--		0.05	--
1400	5050		3					48		0.05	0.17	0.3	0.35	--	--	0.05
07/17/75	5001		23	C	7.8	176	20AF			0.2	0.00	0.3	--		0.05	--
1505	5050		3							0.07	0.20	0.5	0.57	--	--	0.07
08/14/75	5001		21	C	8.3	330	20AF			0.11	0.00	0.3	--		0.07	--
1200	5050		3					57		0.00	0.11	0.3	0.3	--	--	0.08
08/27/75	5001		20	C	8.1	350	20AF			0.06	0.00	0.2	--		0.04	--
0920	5050		3					57		0.00	0.06	0.3	0.3	--	--	0.11
09/03/75	5001		25	C	8.3	258	14AF			0.04	0.00	0.1	--		0.06	--
1725	5050		3							0.00	0.04	0.3	0.3	--	--	0.10

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. DISCH.	TEMP DEPTH	F-RM LAB	F-EC LAB	TURB F-CO2	FIELD CACO3 P CACO3 T	D NO2 + NO3 T NH3	O NO2 D NO3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER O ORG N T ORG N	O (NH3 + T ORG N)	DIS A.M.PO4	O O-PO4 T O-PO4	O TOT P T TOT P
89 D 801.1 142.6 BIG BREAK NEAR OAKLEY													CONTINUED	
09/17/75	5001		21 C	8.1	243	20AF		--	--	0.4	--		0.05	--
1635	5030		3					0.00	0.09	0.4	0.4	--	--	0.12
89 D 801.2 144.5 SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL														
10/09/74	5001		19 C	7.9	178	17AF		--	--	0.25	0.3		0.05	--
1135	5001		3					0.05	0.13	0.37	0.42	--	--	0.12
10/23/74	5001		18 C	7.7	175	19AF		--	--	0.18	0.2		0.05	--
1105	5001		3					0.02	0.14	0.26	0.28	--	--	0.12
11/21/74	5001		14 C	7.8	175	15AF		--	--	0.15	0.2		0.07	--
1135	5001		3					0.05	0.28	0.23	0.28	--	--	0.10
12/11/74	5001		10 C	7.5	138	25AF		--	--	0.15	0.2		0.05	--
1505	5001		3					0.05	0.23	0.19	0.24	--	--	0.11
01/08/75	5001		8 C	7.8	273	17AF		--	--	0.13	0.2		0.07	--
1355	5001		3					0.07	0.36	0.17	0.24	--	--	0.11
02/06/75	5001		9 C	7.7	342	20AF		--	--	0.24	0.3		0.07	--
1415	5001		3					0.06	0.34	0.32	0.38	--	--	0.12
03/20/75	5001		12 C	7.6	222	50AF		0.38	0.00	0.2	--		0.06	--
1025	5030		3				60	0.01	0.38	0.3	0.31	--	--	0.12
04/03/75	5001		12 C	7.8	185	54AF		0.35	0.00	0.3	--		0.04	--
1115	5030		3				56	0.01	0.35	0.3	0.31	--	--	0.11
04/23/75	5001		15 C	7.9	179	21AF		0.22	0.00	0.2	--		0.06	--
1535	5030		3				59	0.00	0.22	0.2	0.2	--	--	0.07
05/08/75	5001		16 C	8.1	166	18AF		0.07	0.00	0.1	--		0.04	--
1555	5030		3				51	0.00	0.07	0.3	0.3	--	--	0.08
05/22/75	5001		18 C	8.2	179	19AF		0.	0.00	0.2	--		0.03	--
1605	5030		3				48	0.00	0.00	0.3	0.3	--	--	0.07
06/05/75	5001		21 C	8.0	167	19AF		0.04	0.00	0.1	--		0.04	--
1625	5030		3				52	0.00	0.04	0.3	0.3	--	--	0.06
06/19/75	5001		20 C	7.7	157	21AF		0.09	0.00	0.1	--		0.05	--
1420	5030		3				46	0.00	0.09	0.3	0.3	--	--	0.09
07/03/75	5001		20 C	7.8	169	21AF		0.1	0.00	0.3	--		0.05	--
1335	5030		3				48	0.06	0.10	0.3	0.36	--	--	0.05
07/17/75	5001		22 C	7.9	426	19AF		0.12	0.00	0.2	--		0.05	--
1430	5030		3					0.07	0.12	0.5	0.57	--	--	0.08
08/14/75	5001		21 C	8.1	1150	29AF		0.17	0.00	0.3	--		0.06	--
1130	5030		3				54	0.00	0.17	0.3	0.3	--	--	0.09
08/27/75	5001		22 C	7.9	707	24AF		0.14	0.00	0.2	--		0.05	--
0855	5030		3				58	0.00	0.14	0.2	0.2	--	--	0.12
09/03/75	5001		22 C	7.8	527	22AF		0.12	0.00	0.1	--		0.07	--
1640	5030		3					0.00	0.12	0.3	0.3	--	--	0.14
09/17/75	5001		20 C	8.0	409	21AF		--	00.0	0.4	--		0.06	--
1605	5030		3					0.00	0.16	0.5	0.5	--	--	0.13
89 D 802.6 125.1 DISAPPOINTMENT SLOUGH AT BISHOP CUT														
10/02/74	5001		20 C	7.2	172	18AF		--	--	0.46	0.5		0.06	--
0800	5001		3					0.04	0.04	0.66	0.70	--	--	0.13
10/16/74	5001		17 C	7.2	142	17AF		--	--	0.45	0.5		0.06	--
0745	5001		3					0.05	0.15	0.59	0.64	--	--	0.13
11/06/74	5001		15 C	7.3	231	16AF		--	--	0.54	0.6		0.07	--
1225	5001		3					0.06	0.34	0.68	0.74	--	--	0.14
11/18/74	5001		14 C	7.4	240	15AF		--	--	0.64	0.7		0.09	--
1040	5001		3					0.06	0.37	0.82	0.88	--	--	0.15
12/17/74	5001		10 C	7.4	277	13AF		--	--	0.63	0.8		0.13	--
1015	5001		3					0.17	0.84	0.73	0.90	--	--	0.18
01/21/75	5001		8 C	7.2	372	17AF		--	--	0.66	0.8		0.17	--
1335	5001		3				51	0.14	1.50	0.78	0.92	--	--	0.22
02/03/75	5001		8 C		407	18AF		--	--	0.57	0.8		0.15	--
1240	5001		3					0.23	1.16	0.75	0.98	--	--	0.28
03/18/75	5001		11 C	8.1	289	33AF		0.69	0.01	0.1	--		0.25	--
0805	5030		3				74	0.14	0.68	0.2	0.36	--	--	0.32
04/01/75	5001		11 C	7.7	365	31AF		0.78	0.01	0.5	--		0.23	--
0955	5030		3				83	0.04	0.77	0.6	0.64	--	--	0.29
04/18/75	5001		14 C	7.8	317	22AF		0.34	0.00	0.4	--		0.16	--
1020	5030		3				77	0.00	0.34	0.6	0.6	--	--	0.25
05/01/75	5001		17 C	7.7	229	22AF		0.11	0.00	0.4	--		0.12	--
1005	5030		3				64	0.00	0.11	0.5	0.5	--	--	0.18
05/15/75	5001		17 C	7.4	144	22AF		0.08	0.00	0.3	--		0.07	--
0830	5030		3				43	0.01	0.08	0.3	0.31	--	--	0.14
06/03/75	5001		22 C	7.3	185	23AF		0.09	0.00	0.5	--		0.09	--
1345	5030		3				52	0.00	0.09	0.5	0.5	--	--	0.14
06/17/75	5001		21 C	7.5	215	22AF		0.31	0.00	0.4	--		0.10	--
1255	5030		3				58	0.00	0.31	0.4	0.4	--	--	0.13
07/01/75	5001		22 C	7.7	234	28AF		0.27	0.00	0.7	--		0.08	--
1205	5030		3				66	0.00	0.27	0.7	0.7	--	--	0.17
07/15/75	5001		22 C	8.1	237	28AF		0.3	0.00	0.3	--		0.08	--
1130	5030		3				65	0.04	0.30	0.4	0.44	--	--	0.14

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. DISCH.	TEMP DEPTH	F-PH LAB	F-EC EC	FIELD TURB F-CO2	CACO3 CACO3	P T	O NO2 + NO3 T NH3	O NO2 O NO3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER D ORG N T ORG N	D (NH3 + ORG N)	OIS A.H.PO4	D O-PO4 T O-PO4	D TOT P T TOT P
R9 O 802.6 125.1 DISAPPOINTMENT SLOUGH AT BISHOP CUT											CONTINUED				
08/12/75	5001		21.0C	6.8	260	18AF			0.16	0.00	0.5	--		0.09	--
1235	5050		3						0.03	0.16	0.5	0.53	--	--	0.15
08/26/75	5001		24 C	7.4	228	17AF			0.16	0.00	0.2	--		0.07	--
0905	5050		3						0.03	0.16	0.4	0.43	--	--	0.12
09/11/75	5001		22 C	7.7	221	15AF			0.08	0.00	0.3	--		0.05	--
1035	5050		3						0.00	0.08	0.3	0.3	--	--	0.11
09/25/75	5001		23 C	7.6	250	21AF			0.09	0.00	0.3	--		0.09	--
1020	5050		3						0.01	0.09	0.3	0.31	--	--	0.18
R9 O 802.6 136.8 FRANKS TRACT NEAR RUSSOS LANDING															
10/08/74	5001		18 C	7.9	180	14AF			--	--	0.17	0.2		0.04	--
1205	5001		3						0.03	0.14	0.29	0.32	--	--	0.10
11/20/74	5001		13 C	7.7	201	12AF			--	--	0.26	0.3		0.06	--
1120	5001		3						0.04	0.39	0.32	0.36	--	--	0.10
12/10/74	5001		10 C	7.6	202	10AF			--	--	0.06	0.1		0.06	--
1530	5001		3						0.04	0.35	0.10	0.14	--	--	0.10
01/07/75	5001		7 C	7.6	209	12AF			--	--	0.21	0.3		0.06	--
1445	5001		3						0.09	0.49	0.25	0.34	--	--	0.10
02/05/75	5001		8 C	7.3	211	14AF			--	--	0.32	0.4		0.06	--
1355	5001		3						0.08	0.39	0.38	0.36	--	--	0.11
03/19/75	5001		12 C	7.6	263	32AF			0.51	0.00	0.3	--		0.08	--
1035	5050		3				60		0.05	0.51	0.3	0.35	--	--	0.12
04/02/75	5001		12 C	7.8	206	37AF			0.42	0.00	0.3	--		0.06	--
1055	5050		3				56		0.03	0.42	0.4	0.43	--	--	0.12
04/22/75	5001		15 C	7.8	168	18AF			0.27	0.00	0.2	--		0.05	--
1605	5050		3				54		0.00	0.27	0.2	0.2	--	--	0.09
05/07/75	5001		17 C	8.2	139	17AF			0.1	0.00	0.1	--		0.04	--
1610	5050		3				48		0.00	0.10	0.2	0.2	--	--	0.08
05/21/75	5001		18 C	8.2	137	23AF			0.01	0.00	0.1	--		0.03	--
1525	5050		3				46		0.00	0.01	0.3	0.3	--	--	0.10
06/04/75	5001		24 C	8.4	167	17AF			0.05	0.00	0.2	--		0.04	--
1440	5050		3				49		0.00	0.05	0.3	0.3	--	--	0.09
06/18/75	5001		21 C	7.8	154	24AF			0.16	0.00	0.2	--		0.05	--
1410	5050		3				45		0.00	0.16	0.4	0.4	--	--	0.10
07/02/75	5001		21 C	7.8	146	24AF			0.24	0.00	0.2	--		0.05	--
1310	5050		3				47		0.00	0.24	0.3	0.3	--	--	0.09
07/16/75	5001		22 C	7.9	163	18AF			0.25	0.00	0.2	--		0.06	--
1235	5050		3						0.05	0.25	0.8	0.85	--	--	0.06
08/13/75	5001		22 C	8.0	202	17AF			0.11	0.00	0.1	--		0.06	--
1120	5050		3				53		0.01	0.11	0.2	0.21	--	--	0.09
08/26/75	5001		22 C	8.0	211	16AF			0.07	0.00	0.2	--		0.05	--
1000	5050		3				57		0.00	0.07	0.2	0.2	--	--	0.10
09/02/75	5001		24 C	8.5	230	11AF			0.04	0.00	0.2	--		0.06	--
1550	5050		3						0.00	0.04	0.3	0.3	--	--	0.08
09/16/75	5001		21 C	8.2	204	11AF			0.11	0.00	0.3	--		0.06	--
1610	5050		3						0.00	0.11	0.4	0.4	--	--	0.10
R9 O 802.6 147.6 SHERMAN LAKE NEAR ANTIOCH															
10/08/74	5001		19 C	7.8	186	17AF			--	--	0.56	0.6		0.05	--
1020	5001		3						0.04	0.13	0.66	0.70	--	--	0.10
11/20/74	5001		14 C	7.7	184	12AF			--	--	0.37	0.4		0.06	--
0935	5001		3						0.03	0.31	0.43	0.46	--	--	0.10
12/10/74	5001		10 C	7.6	148	20AF			--	--	0.25	0.3		0.05	--
1325	5001		3						0.05	0.22	0.29	0.34	--	--	0.08
01/07/75	5001		7 C	7.6	235	14AF			--	--	0.23	0.3		0.07	--
1240	5001		3						0.07	0.36	0.27	0.34	--	--	0.10
02/05/75	5001		9 C	7.2	294	18AF			--	--	0.32	0.4		0.06	--
1145	5001		3						0.08	0.29	0.38	0.46	--	--	0.11
03/19/75	5001		11 C	7.6	197	48AF			0.22	0.00	0.2	--		0.05	--
0800	5050		3				62		0.02	0.22	0.3	0.32	--	--	0.08
04/02/75	5001		11 C	7.7	149	66AF			0.17	0.00	0.2	--		0.04	--
0835	5050		3				56		0.02	0.17	0.2	0.22	--	--	0.08
04/22/75	5001		14 C	7.9	180	26AF			0.25	0.00	0.2	--		0.05	--
1340	5050		3				58		0.00	0.25	0.2	0.2	--	--	0.09
05/07/75	5001		16 C	7.8	141	23AF			0.13	0.00	0.0	--		0.05	--
1420	5050		3				49		0.00	0.13	0.2	0.2	--	--	0.08
05/21/75	5001		17 C	8.1	144	23AF			0.01	0.00	0.1	--		0.03	--
1335	5050		3				48		0.00	0.01	0.3	0.3	--	--	0.09
06/04/75	5001		21 C	7.8	158	16AF			0.1	0.00	0.2	--		0.05	--
1300	5050		3				54		0.02	0.10	0.2	0.22	--	--	0.08
06/18/75	5001		20 C	7.8	140	22AF			0.09	0.00	0.1	--		0.04	--
1220	5050		3				41		0.00	0.09	0.3	0.3	--	--	0.09
07/02/75	5001		20 C	8.0	159	25AF			0.15	0.00	0.2	--		0.05	--
1110	5050		3				51		0.01	0.15	0.3	0.31	--	--	0.09
07/16/75	5001		21 C	7.8	425	23AF			0.17	0.00	0.3	--		0.04	--
1050	5050		3						0.04	0.17	0.7	0.74	--	--	0.04

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.M. DISCH.	TEMP DEPTH	F-PH LAB	F-EC EC	TURB F-CO2	CACO3 CACO3	P T	D NO2 + NO3 T NH3	D NO3 D NO2	D ORG N T ORG N	D (NH3 + ORG N) T ORG N)	DIS A.M.PO4	D O-PO4 T O-PO 4	D TOT P T TOT P
						FIELD					NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER				
89 D 802.6 147.6 SHERMAN LAKE NEAR ANTIOCH															
															CONTINUED
08/13/75	5001		20 C	8.0	870	32AF			0.16	0.00	0.4	--		0.06	--
0930	5050		3					55	0.03	0.16	0.4	0.43	--	--	0.06
08/26/75	5001		21 C	7.9	832	31AF			0.16	0.00	0.2	--		0.07	--
0720	5050		3					58	0.00	0.16	0.2	0.2	--	--	0.08
09/02/75	5001		22 C	7.9	498	23AF			0.14	0.00	0.2	--		0.07	--
1400	5050		3						0.00	0.14	0.2	0.2	--	--	0.09
09/16/75	5001		20 C	8.0	416	20AF			0.14	0.00	0.1	--		0.04	--
1410	5050		3						0.00	0.14	0.2	0.2	--	--	0.14
89 D 802.9 132.0 54N JOAQUIN RIVER NEAR MOUTH OF MIDDLE RIVER															
10/01/74	5001		20 C	7.6	208	13AF			--	--	0.17	0.2		0.06	--
0800	5001		3						0.03	0.22	0.29	0.32	--	--	0.10
10/16/74	5001		18 C	7.6	161	11AF			--	--	0.15	0.2		0.08	--
0700	5001		3						0.05	0.31	0.21	0.26	--	--	0.10
11/06/74	5001		15 C	7.4	219	9AF			--	--	0.44	0.5		0.07	--
1230	5001		3						0.06	0.41	0.50	0.56	--	--	0.10
11/18/74	5001		14 C	7.7	210	10AF			--	--	0.24	0.3		0.07	--
1030	5001		3						0.06	0.41	0.28	0.34	--	--	0.10
12/17/74	5001		10 C	7.2	253	10AF			--	--	0.11	0.2		0.09	--
0905	5001		3						0.09	0.56	0.15	0.24	--	--	0.12
02/03/75	5001		8 C	7.3	225	11AF			--	--	0.47	0.6		0.07	--
1130	5001		3						0.13	0.30	0.55	0.68	--	--	0.13
89 D 803.1 141.3 54N JOAQUIN RIVER AT JERSEY POINT															
10/08/74	5001		19 C	8.0	155	13AF			--	--	0.17	0.2		0.04	--
1145	5001		3						0.03	0.13	0.25	0.28	--	--	0.09
11/20/74	5001		13 C	7.7	177	10AF			--	--	0.26	0.3		0.07	--
1100	5001		3						0.04	0.33	0.32	0.36	--	--	0.10
12/10/74	5001		11 C	7.6	178	11AF			--	--	0.07	0.1		0.05	--
1500	5001		3						0.03	0.26	0.13	0.16	--	--	0.09
01/07/75	5001		7 C	7.7	230	10AF			--	--	--	--		--	--
1420	5001		3						0.10	0.44	0.24	0.34	--	--	--
02/05/75	5001		8 C	7.4	223	13AF			--	--	0.45	0.5		0.06	--
1330	5001		3						0.05	0.38	0.53	0.58	--	--	0.11
03/19/75	5001		11 C	7.6	230	52AF			0.4	0.00	0.3	--		0.06	--
1010	5050		3					58	0.04	0.40	0.3	0.34	--	--	0.14
04/02/75	5001		11 C	7.7	183	54AF			0.33	0.00	0.2	--		0.06	--
1025	5050		3					53	0.01	0.33	0.3	0.31	--	--	0.12
04/22/75	5001		14 C	7.8	171	19AF			0.27	0.00	0.1	--		0.05	--
1540	5050		3					55	0.00	0.27	0.2	0.2	--	--	0.10
05/07/75	5001		16 C	8.0	143	16AF			0.12	0.00	0.0	--		0.05	--
1550	5050		3					48	0.02	0.12	0.2	0.22	--	--	0.07
05/21/75	5001		17 C	8.0	134	17AF			0.06	0.00	0.1	--		0.04	--
1500	5050		3					46	0.00	0.06	0.3	0.3	--	--	0.07
06/04/75	5001		21 C	7.9	161	16AF			0.11	0.00	0.2	--		0.05	--
1420	5050		3					51	0.00	0.11	0.3	0.3	--	--	0.09
06/18/75	5001		20 C	8.0	146	19AF			0.15	0.00	0.1	--		0.05	--
1345	5050		3					46	0.00	0.15	0.3	0.3	--	--	0.09
07/02/75	5001		20 C	7.8	149	19AF			0.2	0.00	0.1	--		0.05	--
1245	5050		3					48	0.00	0.20	0.2	0.2	--	--	0.08
07/16/75	5001		22 C	7.9	174	16AF			0.25	0.00	0.5	--		0.06	--
1215	5050		3						0.00	0.25	0.5	0.5	--	--	0.09
08/13/75	5001		22 C	8.0	357	18AF			0.12	0.00	0.3	--		0.06	--
1100	5050		3					54	0.02	0.12	0.3	0.32	--	--	0.06
08/26/75	5001		22 C	7.8	342	17AF			0.09	0.00	0.2	--		0.06	--
0935	5050		3					56	0.00	0.09	0.2	0.2	--	--	0.11
09/02/75	5001		22 C	8.0	270	13AF			0.11	0.00	0.1	--		0.06	--
1530	5050		3						0.00	0.11	0.2	0.2	--	--	0.09
09/16/75	5001		20 C	8.0	246	12AF			0.1	0.00	0.3	--		0.06	--
1540	5050		3						0.00	0.10	0.3	0.3	--	--	0.11
89 D 803.8 149.2 SACRAMENTO RIVER ABOVE POINT SACRAMENTO															
10/08/74	5001		19 C	7.7	175	17AF			--	--	0.15	0.2		0.05	--
1000	5001		3						0.05	0.13	0.25	0.30	--	--	0.10
11/20/74	5001		13 C	7.7	152	11AF			--	--	0.24	0.3		0.07	--
0900	5001		3						0.06	0.24	0.28	0.34	--	--	0.10
12/10/74	5001		11 C	7.6	145	26AF			--	--	0.24	0.3		0.05	--
1305	5001		3						0.06	0.21	0.28	0.34	--	--	0.09
01/07/75	5001		7 C	7.2	344	17AF			--	--	0.31	0.4		0.07	--
1215	5001		3					43	0.09	0.34	0.39	0.48	--	--	0.10
02/05/75	5001		8 C	7.3	257	17AF			--	--	0.41	0.5		0.07	--
1120	5001		3						0.09	0.20	0.51	0.60	--	--	0.11
03/19/75	5001		11 C	7.6	201	46AF			0.28	0.00	0.2	--		0.05	--
0730	5050		3					64	0.02	0.28	0.3	0.32	--	--	0.08
04/02/75	5001		11 C	7.9	146	64AF			0.18	0.00	0.2	--		0.03	--
0800	5050		3					56	0.01	0.18	0.2	0.21	--	--	0.09

TABLE 0-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	D.H. DISCH.	TEMP DEPTH	F-PH LAB	F-EC EC	TURB F-CO2	FIELD CACO3 CACO3	P T	O NO2 + NO3 T NH3	O NO2 O NO3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER D ORG N T ORG N	D (NH3 + T ORG N)	DIS A.H.PO4	O O-PO4 T O-PO 4	O TOT P T TOT P
89 D 803.8 149.2 SACRAMENTO RIVER ABOVE POINT SACRAMENTO CONTINUED															
04/22/75 1305	5001 5050		14 C 3	7.9	174	23AF		59	0.22 0.00	0.00 0.22	0.2 0.3	-- 0.3	--	0.06 --	-- 0.10
05/07/75 1345	5001 5050		15 C 3	7.8	146	22AF		51	0.13 0.04	0.00 0.13	0.2 0.2	-- 0.24	--	0.05 --	-- 0.10
05/21/75 1300	5001 5050		17 C 3	8.0	139	20AF		48	0.07 0.05	0.00 0.07	0.2 0.3	-- 0.35	--	0.04 --	-- 0.08
06/04/75 1235	5001 5050		20 C 3	7.9	163	16AF		52	0.09 0.03	0.00 0.09	0.1 0.2	-- 0.23	--	0.05 --	-- 0.08
06/18/75 1145	5001 5050		20 C 3	7.8	132	21AF		41	0.09 0.00	0.00 0.09	0.1 0.3	-- 0.3	--	0.04 --	-- 0.08
07/02/75 1040	5001 5050		20 C 3	7.9	168	24AF		48	0.11 0.00	0.00 0.11	0.2 0.4	-- 0.4	--	0.04 --	-- 0.10
07/16/75 1015	5001 5050		21 C 3	7.8	541	23AF			0.17 0.04	0.00 0.17	0.3 0.6	-- 0.64	--	0.04 --	-- 0.05
08/13/75 0915	5001 5050		21 C 3	8.0	1750	34AF		56	0.17 0.04	0.00 0.17	0.3 0.3	-- 0.34	--	0.06 --	-- 0.06
08/26/75 0650	5001 5050		21 C 3	7.9	912	33AF			0.25 0.17	0.00 0.25	0.3 0.3	-- 0.47	--	0.08 --	-- 0.08
09/02/75 1345	5001 5050		22 C 3	7.9	190	20AF			0.15 0.00	0.00 0.15	0.2 0.2	-- 0.2	--	0.07 --	-- 0.07
09/16/75 1420	5001 5050		20 C 3	8.0	354	19AF			0.16 0.01	0.00 0.16	0.4 0.4	-- 0.41	--	0.07 --	-- 0.13
89 D 804.7 134.0 SAN JOAQUIN RIVER AT POTATO POINT															
10/08/74 1220	5001 5001		18 C 3	7.7	144	10AF			-- 0.06	-- 0.16	0.14 0.20	0.2 0.26	--	0.05 --	-- 0.09
11/20/74 1140	5001 5001		13 C 3	7.6	169	9AF			-- 0.09	-- 0.28	0.35 0.37	0.4 0.46	--	0.05 --	-- 0.08
12/10/74 1550	5001 5001		10 C 3	7.6	171	15AF			-- 0.06	-- 0.29	0.24 0.28	0.3 0.34	--	0.05 --	-- 0.09
01/07/75 1510	5001 5001		7 C 3	7.6	193	12AF			-- 0.10	-- 0.40	0.20 0.22	0.3 0.32	--	0.06 --	-- 0.10
02/05/75 1415	5001 5001		8 C 3	7.3	186	21AF			-- 0.12	-- 0.32	0.28 0.36	0.4 0.48	--	0.07 --	-- 0.12
03/19/75 1050	5001 5050		11 C 3	7.6	232	33AF		59	0.42 0.05	0.00 0.42	0.2 0.3	-- 0.35	--	0.08 --	-- 0.13
04/02/75 1125	5001 5050		12 C 3	7.7	143	46AF		50	0.22 0.00	0.00 0.22	0.1 0.2	-- 0.2	--	0.04 --	-- 0.10
04/22/75 1625	5001 5050		14 C 3	7.8	160	17AF		52	0.22 0.01	0.00 0.22	0.2 0.2	-- 0.21	--	0.06 --	-- 0.11
05/07/75 1630	5001 5050		15 C 3	7.7	122	14AF		43	0.13 0.02	0.00 0.13	0.1 0.2	-- 0.22	--	0.05 --	-- 0.07
05/21/75 1540	5001 5050		17 C 3	7.8	143	16AF		46	0.12 0.02	0.00 0.12	0.2 0.2	-- 0.22	--	0.05 --	-- 0.08
06/04/75 1455	5001 5050		21 C 3	7.7	161	16AF		48	0.15 0.01	0.00 0.15	0.2 0.2	-- 0.21	--	0.06 --	-- 0.08
06/18/75 1425	5001 5050		21 C 3	7.6	137	17AF		43	0.19 0.00	0.00 0.19	0.1 0.2	-- 0.2	--	0.06 --	-- 0.09
07/02/75 1330	5001 5050		21 C 3	7.7	145	17AF		49	0.26 0.00	0.00 0.26	0.1 0.3	-- 0.3	--	0.06 --	-- 0.08
07/16/75 1255	5001 5050		23 C 3	7.7	149	13AF			0.22 0.08	0.00 0.22	0.2 0.4	-- 0.48	--	0.06 --	-- 0.07
08/13/75 1140	5001 5050		22 C 3	7.9	152	16AF		53	0.12 0.02	0.00 0.12	0.1 0.2	-- 0.22	--	0.06 --	-- 0.08
08/26/75 1015	5001 5050		22 C 3	7.8	169	11AF		67	0.14 0.00	0.00 0.14	0.2 0.2	-- 0.2	--	0.06 --	-- 0.10
09/02/75 1615	5001 5050		22 C 3	7.8	160	11AF			0.11 0.00	0.00 0.11	0.2 0.2	-- 0.2	--	0.06 --	-- 0.08
09/16/75 1650	5001 5050		20 C 3	7.9	188	9AF			0.13 0.01	0.00 0.13	0.3 0.3	-- 0.31	--	0.06 --	-- 0.10
89 D 805.0 128.1 WHITE SLOUGH AT COWRETA FERRY (SITE)															
10/02/74 0715	5001 5001		19 C 3	7.3	112	10AF			-- 0.07	-- 0.12	0.33 0.39	0.4 0.46	--	0.04 --	-- 0.07
10/16/74 0705	5001 5001		16 C 3	7.1	77	10AF			-- 0.08	-- 0.13	0.42 0.46	0.5 0.54	--	0.05 --	-- 0.08
11/06/74 1140	5001 5001		14 C 3	7.2	112	7AF			-- 0.09	-- 0.14	0.41 0.45	0.5 0.54	--	0.05 --	-- 0.08
11/18/74 0955	5001 5001		13 C 3	7.3	95	8AF			-- 0.10	-- 0.17	0.40 0.44	0.5 0.54	--	0.06 --	-- 0.08
12/17/74 0930	5001 5001		9 C 3	7.3	153	9AF			-- 0.09	-- 0.52	0.21 0.29	0.3 0.38	--	0.06 --	-- 0.08
01/21/75 1250	5001 5001		8 C 3	7.3	195	10AF		34	-- 0.12	-- 0.50	0.28 0.34	0.4 0.46	--	0.06 --	-- 0.10
02/03/75 1200	5001 5001		8 C 3		200	15AF			-- 0.13	-- 0.64	0.37 0.47	0.5 0.60	--	0.06 --	-- 0.13

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. DISCH.	TEMP DEPTH	F-PH LAB	F-EC EC	TURB F-CO2	FIELD CACO3 CACO3	P T	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER O NO2 + NO3 T NH3	O NO2 U NO3	O ORG N T ORG N	O (NH3 + T ORG N)	OIS A.M.PO4	O O-PO4 T O-PO4	O TOT P T TOT P
89 D 805.1 144.3 SACRAMENTO RIVER AT EMMATON															
10/08/74	5001		18 C	7.8	148	16AF			--	--	0.15	0.2		0.05	--
1040	5001		3						0.05	0.14	0.23	0.28	--	--	0.10
11/20/74	5001		13 C	7.7	141	10AF			--	--	0.24	0.3		0.07	--
0955	5001		3						0.06	0.22	0.28	0.34	--	--	0.10
12/10/74	5001		10 C	7.6	133	22AF			--	--	0.24	0.3		0.05	--
1350	5001		3						0.06	0.23	0.28	0.34	--	--	0.08
01/07/75	5001		7 C	7.6	191	15AF			--	--	0.32	0.4		0.06	--
1305	5001		3						0.08	0.33	0.36	0.44	--	--	0.10
02/05/75	5001		8 C	7.3	174	39AF			--	--	0.40	0.5		0.06	--
1220	5001		3						0.10	0.29	0.50	0.60	--	--	0.15
03/19/75	5001		11 C	7.6	189	40AF			0.24	0.00	0.2	--		0.05	--
0825	5050		3					61	0.01	0.24	0.2	0.21	--	--	0.08
04/02/75	5001		11 C	7.8	149	66AF			0.18	0.00	0.2	--		0.03	--
0905	5050		3					58	0.02	0.18	0.3	0.32	--	--	0.09
04/22/75	5001		14 C	7.9	172	24AF			0.2	0.00	0.1	--		0.05	--
1415	5050		3					60	0.02	0.20	0.3	0.32	--	--	0.08
05/07/75	5001		15 C	7.7	131	22AF			0.13	0.00	0.0	--		0.05	--
1440	5050		3					47	0.03	0.13	0.1	0.13	--	--	0.08
05/21/75	5001		17 C	7.9	138	18AF			0.1	0.00	0.1	--		0.04	--
1355	5050		3					49	0.01	0.10	0.2	0.21	--	--	0.07
06/04/75	5001		20 C	7.9	155	16AF			0.13	0.00	0.1	--		0.05	--
1320	5050		3					52	0.01	0.13	0.2	0.21	--	--	0.08
06/18/75	5001		20 C	7.7	128	17AF			0.11	0.00	0.1	--		0.04	--
1240	5050		3					44	0.00	0.11	0.2	0.2	--	--	0.06
07/02/75	5001		19 C	7.9	150	18AF			0.19	0.00	0.1	--		0.05	--
1135	5050		3					52	0.02	0.19	0.2	0.22	--	--	0.08
07/16/75	5001		22 C	8.0	165	17AF			0.25	0.00	0.2	--		0.06	--
1110	5050		3					51	0.05	0.25	0.6	0.65	--	--	0.06
08/13/75	5001		21 C	8.0	238	22AF			0.14	0.00	0.2	--		0.05	--
0955	5050		3					54	0.04	0.14	0.2	0.24	--	--	0.08
08/26/75	5001		21 C	8.0	240	19AF			0.14	0.01	0.1	--		0.08	--
0750	5050		3					61	0.00	0.13	0.2	0.2	--	--	0.10
09/02/75	5001		22 C	7.9	240	16AF			0.13	0.00	0.2	--		0.07	--
1420	5050		3						0.00	0.13	0.2	0.2	--	--	0.09
09/16/75	5001		20 C	8.0	238	13AF			0.18	0.00	0.3	--		0.06	--
1440	5050		3						0.01	0.18	0.3	0.31	--	--	0.11
89 D 805.8 140.1 SAN JOAQUIN RIVER AT TWITCHELL ISLAND															
10/08/74	5001		19 C	8.0	151	10AF			--	--	0.35	0.4		0.05	--
1300	5001		3						0.05	0.15	0.43	0.48	--	--	0.09
11/20/74	5001		13 C	7.7	162	9AF			--	--	0.24	0.3		0.07	--
1225	5001		3						0.06	0.30	0.28	0.34	--	--	0.10
12/10/74	5001		10 C	7.6	154	16AF			--	--	0.15	0.2		0.05	--
1650	5001		3						0.05	0.24	0.19	0.24	--	--	0.09
01/07/75	5001		7 C	7.6	185	13AF			--	--	0.21	0.3		0.07	--
1550	5001		3						0.09	0.36	0.23	0.32	--	--	0.10
02/05/75	5001		8 C	7.3	193	21AF			--	--	0.31	0.4		0.07	--
1500	5001		3						0.09	0.35	0.39	0.48	--	--	0.12
03/19/75	5001		11 C	7.6	218	48AF			0.36	0.00	0.3	--		0.07	--
1125	5050		3					58	0.03	0.36	0.3	0.33	--	--	0.09
04/02/75	5001		11 C	7.7	153	56AF			0.26	0.00	0.2	--		0.05	--
1200	5050		3					51	0.01	0.26	0.3	0.31	--	--	0.12
04/22/75	5001		14 C	7.9	162	18AF			0.24	0.00	0.1	--		0.05	--
1655	5050		3					54	0.00	0.24	0.2	0.2	--	--	0.12
05/07/75	5001		15 C	7.8	134	14AF			0.14	0.00	0.1	--		0.05	--
1700	5050		3					46	0.01	0.14	0.2	0.21	--	--	0.07
05/21/75	5001		17 C	7.9	132	16AF			0.09	0.00	0.2	--		0.04	--
1610	5050		3					46	0.00	0.09	0.2	0.2	--	--	0.07
06/04/75	5001		21 C	7.8	156	14AF			0.15	0.00	0.2	--		0.05	--
1520	5050		3					50	0.00	0.15	0.2	0.2	--	--	0.08
06/18/75	5001		20 C	7.4	139	17AF			0.18	0.00	0.1	--		0.05	--
1500	5050		3					41	0.00	0.18	0.2	0.2	--	--	0.08
07/02/75	5001		20 C	7.8	148	17AF			0.24	0.00	0.1	--		0.05	--
1405	5050		3					48	0.00	0.24	0.2	0.2	--	--	0.08
07/16/75	5001		22 C	7.9	157	14AF			0.26	0.01	0.2	--		0.06	--
1400	5050		3						0.04	0.25	0.6	0.64	--	--	0.06
08/13/75	5001		22 C	7.9	225	16AF			0.12	0.00	0.1	--		0.06	--
1210	5050		3					53	0.00	0.12	0.2	0.2	--	--	0.09
08/26/75	5001		22 C	7.9	231	16AF			0.14	0.00	0.2	--		0.07	--
1050	5050		3					57	0.00	0.14	0.2	0.2	--	--	0.09
09/02/75	5001		22 C	7.9	233	14AF			0.1	0.00	0.1	--		0.06	--
1645	5050		3						0.00	0.10	0.2	0.2	--	--	0.11
09/16/75	5001		20 C	8.0	203	10AF			0.15	0.00	0.3	--		0.06	--
1720	5050		3						0.00	0.15	0.4	0.4	--	--	0.10

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	O.H. DISCH.	TEMP DEPTH	F-PH LAB	F-EC EC	TURB F-CO2	CACO3 CACO3	P T	FIELD O NO2 + NO3 T NH3	D NO2 D NO3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER D ORG N T ORG N	D (NH3 + T ORG N)	DIS A.N.PO4	D O-PO4 T O-PO4	D TOT P
89 D 805.9 135.2 SAN JOAQUIN RIVER NEAR SAN ANDREAS LANDING															
10/02/74	5001		19 C	7.5	152	12AF			--	--	0.17	0.2		0.05	--
1000	5001		3						0.03	0.14	0.23	0.26	--	--	0.08
10/08/74	5001		18 C	7.7	140	9AF			--	--	0.25	0.3		0.05	--
1230	5001		3						0.05	0.15	0.33	0.38	--	--	0.09
10/17/74	5001		18 C	7.5	130	11AF			--	--	0.05	0.1		0.05	--
0950	5001		3						0.05	0.17	0.07	0.12	--	--	0.09
11/07/74	5001		14 C	7.5	177	8AF			--	--	0.41	0.5		0.07	--
1415	5001		3						0.09	0.29	0.45	0.54	--	--	0.10
11/19/74	5001		13 C	7.6	156	9AF			--	--	0.23	0.3		0.06	--
1120	5001		3						0.07	0.25	0.27	0.34	--	--	0.10
11/20/74	5001		13 C	7.6	155	8AF			--	--	0.32	0.4		0.06	--
1200	5001		3						0.08	0.26	0.38	0.44	--	--	0.10
12/10/74	5001		10 C	7.6	173	15AF			--	--	0.15	0.2		0.05	--
1610	5001		3						0.05	0.27	0.21	0.26	--	--	0.10
01/07/75	5001		7 C	7.5	191	15AF			--	--	0.20	0.3		0.06	--
1530	5001		3						0.10	0.40	0.24	0.34	--	--	0.10
02/04/75	5001		8 C	7.9	203	11AF			--	--	0.39	0.4		0.07	--
1325	5001		3						0.11	0.32	0.47	0.58	--	--	0.12
02/05/75	5001		8 C	7.2	183	15AF			--	--	0.28	0.5		0.07	--
1440	5001		3						0.12	0.30	0.34	0.46	--	--	0.12
49 D 807.6 129.7 MOKELUMNE RIVER, SOUTH FORK, BELOW SYCAMORE SLOUGH															
10/02/74	5001		19 C	7.3	114	8AF			--	--	0.06	0.1		0.04	--
0820	5001		3						0.04	0.08	0.12	0.16	--	--	0.07
10/17/74	5001		17 C	7.4	106	9AF			--	--	0.35	0.4		0.05	--
0810	5001		3						0.05	0.10	0.37	0.42	--	--	0.08
11/07/74	5001		13 C	7.4	134	8AF			--	--	0.41	0.5		0.06	--
1245	5001		3						0.09	0.14	0.45	0.54	--	--	0.10
11/19/74	5001		13 C	7.5	120	9AF			--	--	0.23	0.3		0.06	--
0950	5001		3						0.07	0.14	0.31	0.36	--	--	0.10
02/04/75	5001		8 C	7.4	176	12AF			--	--	0.36	0.5		0.07	--
1145	5001		3				66		0.14	0.23	0.42	0.56	--	--	0.13
03/18/75	5001		10 C	7.2		44AF			0.27	0.00	0.4	--		0.05	--
0800	5030		3				54		0.03	0.27	0.4	0.43	--	--	0.10
04/01/75	5001		10 C	7.6	122	60AF			0.18	0.00	0.2	--		0.04	--
0810	5030		3				47		0.02	0.18	0.3	0.32	--	--	0.09
04/16/75	5001		13 C	7.6	137	18AF			0.22	0.04	0.2	--		0.06	--
0930	5030		3						0.03	0.18	0.2	0.23	--	--	0.07
05/01/75	5001		15 C	7.7	106	19AF			0.09	0.00	0.1	--		0.04	--
0840	5030		3				40		0.03	0.09	0.2	0.23	--	--	0.06
05/15/75	5001		16 C	7.8	110	15AF			0.1	0.00	0.1	--		0.04	--
0720	5030		3				46		0.04	0.10	0.2	0.24	--	--	0.06
06/03/75	5001		20 C	7.5	83	12AF			0.07	0.00	0.2	--		0.03	--
1245	5030		3				28		0.02	0.07	0.2	0.22	--	--	0.05
06/17/75	5001		20 C	7.6	107	18AF			0.18	0.00	0.1	--		0.04	--
1210	5030		3				39		0.00	0.18	0.2	0.2	--	--	0.06
07/01/75	5001		20 C	7.6	140	16AF			0.19	0.00	0.2	--		0.05	--
1150	5030		3				46		0.00	0.19	0.2	0.2	--	--	0.08
07/15/75	5001		22 C	7.7	150	18AF			0.17	0.00	0.4	--		0.06	--
1035	5030		3						0.00	0.17	0.4	0.4	--	--	0.09
08/12/75	5001		22.0C	7.7	143	14AF			0.12	0.00	0.2	--		0.05	--
0905	5030		3				52		0.06	0.12	0.2	0.26	--	--	0.09
08/25/75	5001		22 C	7.6	177	11AF			0.14	0.00	0.2	--		0.05	--
0745	5030		3						0.04	0.14	0.2	0.24	--	--	0.10
09/11/75	5001		20 C	6.0	182	10AF			0.1	0.00	0.2	--		0.04	--
0955	5030		3						0.05	0.10	0.2	0.25	--	--	0.07
09/26/75	5001		21 C		160	10AF			0.11	0.00	0.2	--		0.04	--
0940	5030		3						0.04	0.11	0.2	0.24	--	--	0.09
49 D 809.5 128.0 SYCAMORE SLOUGH NEAR MOUTH															
10/02/74	5001		20 C	7.5	137	8AF			--	--	0.19	0.2		0.03	--
0800	5001		3						0.01	0.05	0.37	0.38	--	--	0.10
10/17/74	5001		19 C	7.6	123	11AF			--	--	0.18	0.2		0.03	--
0745	5001		3						0.02	0.02	0.36	0.38	--	--	0.10
11/07/74	5001		14 C	7.6	111	10AF			--	--	0.27	0.3		0.03	--
1220	5001		3						0.03	0.08	0.39	0.42	--	--	0.08
11/19/74	5001		13 C	7.5	110	11AF			--	--	0.17	0.2		0.03	--
0930	5001		3						0.03	0.15	0.29	0.32	--	--	0.07
02/04/75	5001		8 C	7.3	177	12AF			--	--	0.40	0.5		0.05	--
1120	5001		3						0.10	0.32	0.50	0.60	--	--	0.11
03/18/75	5001		12 C	7.5	337	17AF			0.65	0.01	0.5	--		0.28	--
0730	5030		3				60		0.89	0.64	0.7	1.59	--	--	0.30
04/01/75	5001		11 C	7.9	264	19AF			0.78	0.02	0.8	--		0.27	--
0750	5030		3				94		1.1	0.76	1.0	2.1	--	--	0.42
04/16/75	5001		13 C	7.5	209	14AF			0.78	0.05	0.5	--		0.22	--
0705	5030		3						0.52	0.73	0.8	1.32	--	--	0.29

TABLE D-5 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.M. DISCH.	TEMP DEPTH	F-PH LAB	F-EC LAB	FIELD TURB	F-CO2	CACO3 P	CACO3 T	O NO2 + NO3 T NH3	O NO2 D NO3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER O ORG N T ORG N	D (NH3 + ORG N)	OIS A.H.PO4	O O-PO4 T O-PO4	D TOT P A T TOT P
89 D 808.5 128.0 SYCAMORE SLOUGH NEAR MOUTH																CONTINUED
05/01/75 0810	5001 5050		16 3	C	8.5	135	16AF		47	0.15 0.00	0.00 0.15	0.2 0.6	-- 0.6	--	0.05 --	-- 0.13
05/15/75 0650	5001 5050		17 3	C	7.8	93	12AF		34	0. 0.00	0.00 0.00	0.1 0.1	-- 0.1	--	0.02 --	-- 0.06
06/03/75 1215	5001 5050		21 3	C	8.0	85	17AF		30	0.02 0.00	0.00 0.02	0.3 0.4	-- 0.4	--	0.03 --	-- 0.08
06/17/75 1145	5001 5050		21 3	C	7.8	90	13AF		34	0.01 0.00	0.00 0.01	0.2 0.3	-- 0.3	--	0.02 --	-- 0.06
07/01/75 1125	5001 5050		21 3	C	8.0	100	11AF		35	0. 0.00	0.00 0.00	0.2 0.2	-- 0.2	--	0.02 --	-- 0.07
07/15/75 1005	5001 5050		22 3	C	7.9	125	12AF			0. 0.00	0.00 0.00	0.2 0.3	-- 0.3	--	0.02 --	-- 0.06
08/12/75 0845	5001 5050		23.0 3	C	7.6	126	12AF		46	0.02 0.02	0.00 0.02	0.3 0.3	-- 0.32	--	0.04 --	-- 0.09
08/25/75 0720	5001 5050		23 3	C	7.6	134	9AF			0.04 0.01	0.00 0.04	0.4 0.4	-- 0.41	--	0.04 --	-- 0.08
09/11/75 0930	5001 5050		22 3	C	8.0	158	11AF			0.02 0.00	0.00 0.02	0.4 0.5	-- 0.5	--	0.04 --	-- 0.08
09/26/75 0910	5001 5050		22 3	C		155	10AF			0.01 0.00	0.00 0.01	0.4 0.4	-- 0.4	--	0.02 --	-- 0.09
89 D 808.7 133.4 MOKELUMNE RIVER, NORTH FORK, AT ROAD SLOUGH																
10/02/74 0850	5001 5001		18 3	C	7.4	118	11AF			-- 0.12	-- 0.09	0.08 0.12	0.2 0.24	--	0.05 --	-- 0.09
10/17/74 0840	5001 5001		17 3	C	7.5	114	11AF			-- 0.12	-- 0.09	-- --	0.0 --	--	0.06 --	-- 0.10
11/07/74 1310	5001 5001		13 3	C	7.5	118	9AF			-- 0.14	-- 0.15	0.46 --	0.6 --	--	0.08 --	-- 0.12
11/19/74 1020	5001 5001		12 3	C	7.7	113	9AF			-- 0.10	-- 0.12	0.20 0.24	0.3 0.34	--	0.06 --	-- 0.10
02/04/75 1220	5001 5001		8 3	C	7.6	195	80AF			-- 0.11	-- 0.36	0.39 0.59	0.5 0.70	--	0.07 --	-- 0.22
89 D 809.0 135.8 GEORGIANA SLOUGH NEAR ISLETON																
10/02/74 0920	5001 5001		18 3	C	7.4	121	14AF			-- 0.11	-- 0.09	0.09 0.13	0.2 0.24	--	0.05 --	-- 0.10
10/17/74 0910	5001 5001		17 3	C	7.5	109	10AF			-- 0.06	-- 0.09	0.04 0.12	0.1 0.18	--	0.06 --	-- 0.09
11/07/74 1335	5001 5001		13 3	C	7.5	117	8AF			-- 0.15	-- 0.14	0.35 0.39	0.5 0.54	--	0.08 --	-- 0.11
11/19/74 1045	5001 5001		13 3	C	7.7	113	10AF			-- 0.10	-- 0.12	0.30 0.36	0.4 0.46	--	0.07 --	-- 0.10
02/04/75 1250	5001 5001		8 3	C	7.7	148	132AF		47	-- 0.09	-- 0.33	0.61 0.97	0.7 1.06	--	0.06 --	-- 0.28
89 D 809.4 141.0 SACRAMENTO RIVER BELOW RIO VISTA BRIDGE																
10/08/74 1100	5001 5001		17 3	C	7.9	117	10AF			-- 0.09	-- 0.13	0.21 0.25	0.3 0.34	--	0.05 --	-- 0.09
11/20/74 1025	5001 5001		13 3	C	7.7	122	7AF			-- 0.08	-- 0.15	0.22 0.28	0.3 0.36	--	0.07 --	-- 0.10
12/10/74 1420	5001 5001		10 3	C	7.6	141	21AF			-- 0.07	-- 0.21	0.13 0.17	0.2 0.24	--	0.05 --	-- 0.08
01/07/75 1330	5001 5001		7 3	C	7.6	170	10AF		51	-- 0.10	-- 0.26	0.10 0.12	0.2 0.22	--	0.07 --	-- 0.10
02/05/75 1245	5001 5001		8 3	C	7.1	157	64AF			-- 0.09	-- 0.31	0.61 0.75	0.7 0.84	--	0.07 --	-- 0.18
03/19/75 0850	5001 5050		10 3	C	7.6	164	46AF		57	0.19 0.01	0.00 0.19	0.1 0.2	-- 0.21	--	0.05 --	-- 0.10
04/02/75 0935	5001 5050		11 3	C	7.6	137	70AF		55	0.17 0.02	0.00 0.17	0.2 0.2	-- 0.22	--	0.03 --	-- 0.09
04/22/75 1450	5001 5050		14 3	C	7.9	182	20AF		65	0.19 0.01	0.00 0.19	0.1 0.2	-- 0.21	--	0.06 --	-- 0.07
05/07/75 1505	5001 5050		15 3	C	7.7	130	18AF		47	0.12 0.03	0.00 0.12	0.1 0.1	-- 0.13	--	0.06 --	-- 0.07
05/21/75 1425	5001 5050		17 3	C	7.6	165	19AF		55	0.11 0.06	0.00 0.11	0.2 0.2	-- 0.26	--	0.05 --	-- 0.08
06/04/75 1340	5001 5050		21 3	C	7.8	140	8AF		50	0.11 0.03	0.00 0.11	0.2 0.2	-- 0.23	--	0.05 --	-- 0.08
06/18/75 1305	5001 5050		20 3	C	7.7	120	12AF		44	0.11 0.00	0.00 0.11	0.1 0.2	-- 0.2	--	0.05 --	-- 0.07
07/02/75 1200	5001 5050		20 3	C	7.8	150	14AF		54	0.18 0.05	0.01 0.17	0.1 0.2	-- 0.25	--	0.06 --	-- 0.08
07/16/75 1135	5001 5050		22 3	C	7.8	152	12AF		52	0.22 0.00	0.00 0.22	0.6 0.6	-- 0.6	--	0.06 --	-- 0.09
08/13/75 1020	5001 5050		21 3	C	7.9	149	14AF		53	0.11 0.06	0.00 0.11	0.2 0.2	-- 0.26	--	0.06 --	-- 0.06

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	Q.M. DISCH.	TEMP DEPTH	F-PH LAB	F-EC LAB	TURB	FIELD CACO3 F-CO2	CACO3 T	D NO2 + NO3 T NH3	O NO3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER D NO2 O ORG N T ORG N	O (NH3 + T ORG N)	DIS A.M.PO4	D O-PO4 T O-PO 4	D TOT P T TOT P
89 D 809.4 141.0 SACRAMENTO RIVER BELOW RIO VISTA BRIDGE CONTINUED															
08/26/75	5001		22 C	7.8	169	11AF			0.11	0.00	0.0	--		0.06	--
0830	5050		3					64	0.03	0.11	0.2	0.23	--	--	0.11
09/02/75	5001		21 C'	7.9	198	11AF			0.1	0.00	0.2	--		0.06	--
1450	5050		3						0.01	0.10	0.2	0.21	--	--	0.07
09/16/75	5001		20 C	7.9	197	8AF			0.13	0.00	0.2	--		0.07	--
1505	5050		3						0.03	0.13	0.2	0.23	--	--	0.10
89 D 814.5 133.2 SACRAMENTO RIVER NEAR RYDE															
10/03/74	5001		17 C	7.4	102	9AF			--	--	0.21	0.3		0.07	--
0740	5001		3						0.09	0.09	0.25	0.34	--	--	0.08
10/17/74	5001		16 C	7.4	100	8AF			--	--	0.17	0.3		0.06	--
0730	5001		3						0.13	0.10	0.19	0.32	--	--	0.09
11/07/74	5001		13 C	7.1	110	8AF			--	--	0.33	0.5		0.08	--
1245	5001		3						0.17	0.14	0.37	0.54	--	--	0.12
11/19/74	5001		13 C	7.3	110	7AF			--	--	0.39	0.5		0.07	--
1035	5001		3						0.11	0.12	0.43	0.54	--	--	0.10
12/18/74	5001		10 C	7.5	119	7AF			--	--	0.11	0.2		0.06	--
1000	5001		3						0.09	0.15	--	--	--	--	0.10
01/22/75	5001		8 C	7.5	100	8AF			--	--	0.26	0.4		0.08	--
1310	5001		3					57	0.14	0.21	0.32	0.46	--	--	0.12
02/04/75	5001		8 C	7.5	116	140AF			--	--	1.08	1.2		0.06	--
1235	5001		3					43	0.12	0.34	1.54	1.66	--	--	0.34
89 D 815.3 126.3 MOKELUMNE RIVER NEAR THORNTON															
10/02/74	5001		18 C	7.1	41	2AF			--	--	0.19	0.2		0.01	--
0625	5001		3						0.01	0.02	--	--	--	--	0.03
10/16/74	5001		15 C	6.7	38	3AF			--	--	0.39	0.4		0.02	--
0615	5001		3						0.01	0.03	0.45	0.46	--	--	0.03
11/06/74	5001		14 C	6.7	35	4AF			--	--	0.18	0.2		0.01	--
1050	5001		3						0.02	0.09	0.22	0.24	--	--	0.02
11/18/74	5001		13 C	7.1	42	5AF			--	--	0.29	0.3		0.02	--
0900	5001		3						0.01	0.03	0.33	0.34	--	--	0.02
12/17/74	5001		9 C	7.2	81	3AF			--	--	0.18	0.2		0.02	--
0835	5001		3						0.02	0.02	--	--	--	--	0.02
01/21/75	5001		8 C	7.1	99	6AF			--	--	0.19	0.2		0.01	--
1150	5001		3						0.01	0.07	0.23	0.24	--	--	0.03
02/03/75	5001		8 C		148	2644AF			--	--	1.11	1.2		0.03	--
1045	5001		3						0.09	0.19	1.43	1.52	--	--	0.22
03/18/75	5001		12 C	7.3	130	27AF			0.14	0.00	0.3	--		0.03	--
1305	5050		3					47	0.00	0.14	0.4	0.4	--	--	0.07
04/01/75	5001		12 C	7.3	84	15AF			0.07	0.00	0.2	--		0.01	--
1440	5050		3					30	0.00	0.07	0.2	0.2	--	--	0.03
04/18/75	5001		11 C	7.2	66	6AF			0.02	0.00	0.1	--		0.01	--
1020	5050		3					29	0.01	0.02	0.1	0.11	--	--	0.03
05/01/75	5001		13 C	7.1	45	4AF			0.02	0.00	0.2	--		0.01	--
0900	5050		3					18	0.00	0.02	0.2	0.2	--	--	0.02
05/15/75	5001		15 C	6.8	57	11AF			0.01	0.00	0.1	--		0.02	--
0730	5050		3					24	0.00	0.01	0.1	0.1	--	--	0.03
06/03/75	5001		19 C	7.0	48	12AF			0.02	0.00	0.2	--		0.02	--
1250	5050		3					17	0.00	0.02	0.2	0.2	--	--	0.03
06/17/75	5001		18 C	7.1	49	5AF			0.03	0.00	0.1	--		0.01	--
1150	5050		3					16	0.00	0.03	0.1	0.1	--	--	0.03
07/01/75	5001		17 C	7.3	51	3AF			0.03	0.00	0.2	--		0.01	--
1105	5050		3					18	0.01	0.03	0.2	0.21	--	--	0.03
07/15/75	5001		20 C	7.3	57	7AF			0.02	0.00	0.0	--		0.00	--
1025	5050		3					22	0.00	0.02	0.2	0.2	--	--	0.03
08/12/75	5001		21.0C	6.3	51	5AF			0.02	0.00	0.2	--		0.01	--
1005	5050		3						0.03	0.02	0.2	0.23	--	--	0.04
08/26/75	5001		20 C	7.1	58	5AF			0.02	0.00	0.2	--		0.00	--
1435	5050		3						0.00	0.02	0.2	0.2	--	--	0.02
09/11/75	5001		18 C	7.2	48	4AF			0.02	0.00	0.1	--		0.00	--
0915	5050		3						0.00	0.02	0.1	0.1	--	--	0.02
09/25/75	5001		17 C	6.9	51	3AF			0.01	0.00	0.1	--		0.01	--
0910	5050		3						0.00	0.01	0.1	0.1	--	--	0.03
89 D 820.7 132.7 SACRAMENTO RIVER AT GREENES LANDING															
10/03/74	5001		17 C	7.2	105	7AF			--	--	0.29	0.4		0.07	--
0650	5001		3						0.11	0.09	0.37	0.48	--	--	0.09
10/17/74	5001		16 C	7.2	102	8AF			--	--	0.17	0.3		0.07	--
0655	5001		3						0.13	0.13	0.19	0.32	--	--	0.10
11/07/74	5001		13 C	6.9	119	8AF			--	--	0.45	0.6		0.09	--
1200	5001		3						0.15	0.14	0.49	0.64	--	--	0.10
11/19/74	5001		13 C	6.9	100	9AF			--	--	0.47	0.6		0.07	--
0955	5001		3						0.13	0.11	0.53	0.66	--	--	0.10
12/18/74	5001		9 C	7.4	122	8AF			--	--	0.17	0.3		0.07	--
0915	5001		3						0.13	0.16	0.21	0.34	--	--	0.12

TABLE D-5 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.M. DISCH.	TEMP DEPTH	F-PH	F-EC LAB EC	TURB F-CO2	FIELD CACO3 P CACO3 T	D NO2 + NO3 T NH3	D NO2 D NO3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER D ORG N T ORG N	D (NH3 + T ORG N)	DIS A.H.PO4	D O-PO4 T O-PO4	D TOT P T TOT P
		89 D 820.7 132.7	SACRAMENTO RIVER AT GREENES LANDING								CONTINUED			
12/18/74	5090		50	F 7.3	125			--	--	--	--		0.07	--
1300	5090				141			0.10	0.16	0.1	0.2	--	--	0.09
01/15/75	5090		47	F 7.2	132			--	--	--	--		0.06	--
1345	5090				147			0.10	0.20	0.2	0.3	--	--	0.08
01/22/75	5001		8	C 7.5	202	8AF		--	--	0.38	0.5		0.08	--
1225	5001		3				65	0.12	0.20	0.46	0.58	--	--	0.12
02/04/75	5001		8	C 7.4	107	78AF		--	--	1.77	1.3		0.07	--
1145	5001		3					0.13	0.29	1.39	1.52	--	--	0.25
02/19/75	5090		47	F 7.2	126	67A		--	--	--	--		0.03	--
1220	5090				141			0.03	0.21	0.4	0.43	--	--	0.14
03/18/75	5001		13	C 7.6	161	52AF		0.14	0.00	0.2	--		0.06	--
1345	5090		3				55	0.02	0.14	0.2	0.22	--	--	0.09
03/19/75	5090		51	F 7.4	133			--	--	--	--		0.04	--
1100	5090				147			0.02	0.16	0.3	0.32	--	--	0.10
04/01/75	5001		12	C 7.5	133	80AF		0.16	0.00	0.3	--		0.02	--
1525	5090		3				49	0.02	0.16	0.3	0.32	--	--	0.11
04/16/75	5090		55	F 7.3	133	13A		--	--	--	--		0.05	--
1200	5090				143			0.04	0.13	0.2	0.24	--	--	0.09
04/18/75	5001		12	C 7.3	139	33AF		0.14	0.00	0.2	--		0.06	--
1655	5090		3				51	0.03	0.14	0.2	0.23	--	--	0.08
05/01/75	5001		14	C 7.5	117	18AF		0.1	0.00	0.2	--		0.05	--
0800	5090		3				44	0.05	0.10	0.2	0.25	--	--	0.08
05/15/75	5001		16	C 7.6	125	14AF		0.08	0.00	0.2	--		0.04	--
1450	5090		3				45	0.06	0.08	0.2	0.26	--	--	0.07
05/21/75	5090		61.0	F 7.4	122	20A		--	--	--	--		0.04	--
1200	5090				132			0.03	0.08	0.2	0.23	--	--	0.08
06/03/75	5001		19	C 7.5	142	9AF		0.08	0.00	0.2	--		0.05	--
1105	5090		3				46	0.05	0.08	0.2	0.25	--	--	0.08
06/17/75	5001		19	C 7.6	110	9AF		0.08	0.00	0.2	--		0.06	--
1010	5090		3				43	0.05	0.08	0.2	0.25	--	--	0.07
06/18/75	5090		67.0	F 7.4	106	6A		--	--	--	--		0.06	--
1245	5090				108			0.05	0.08	0.2	0.25	--	--	0.07
07/01/75	5001		19	C 7.8	152	10AF		0.13	0.00	0.2	--		0.07	--
0955	5090		3				56	0.11	0.13	0.3	0.41	--	--	0.10
07/15/75	5001		21	C 7.8	138	9AF		0.08	0.00	0.1	--		0.06	--
0915	5090		3				73	0.05	0.08	0.2	0.25	--	--	0.10
07/16/75	5090		71	F 7.5	117	5A		--	--	--	--		0.07	--
1230	5090				127			0.10	0.08	0.2	0.3	--	--	0.10
08/12/75	5001		21.0	C 6.8	146	8AF		0.07	0.00	0.2	--		0.06	--
1110	5090		3					0.13	0.07	0.2	0.33	--	--	0.11
08/20/75	5090		68.0	F 7.3	144	9A		--	--	--	--		0.07	--
1200	5090				168			0.07	0.09	0.2	0.27	--	--	0.19
08/26/75	5001		20	C 7.3	164	9AF		0.08	0.00	0.2	--		0.03	--
0650	5090		3					0.10	0.08	0.3	0.4	--	--	0.08
09/11/75	5001		20	C 7.5	187	12AF		0.1	0.00	0.2	--		0.05	--
0805	5090		3					0.08	0.10	0.2	0.28	--	--	0.09
09/17/75	5090		69	F 7.4	163	8A		--	--	--	--		0.05	--
1330	5090				178			0.06	0.12	0.2	0.26	--	--	0.09
09/25/75	5001		20	C 7.5	124	10AF		0.09	0.00	0.3	--		0.05	--
0815	5090		3					0.09	0.09	0.3	0.39	--	--	0.10
		G4 L 716.5 027.1	MONEY LAKE NEAR BUNTINGVILLE											
05/07/75	5090		11.5C	9.1		360A		--	--	--	--		2.6	--
0910	5090				4200			--	0.02	--	2.2	--	--	2.6
		G4 1593.01	SUSAN RIVER NEAR LITCHFIELD											
03/19/75	5090		8.0	C 7.9	164	164AF		--	--	--	--		0.13	--
1535	5090							--	0.07	--	001.0	--	--	0.45
05/07/75	5090		9.0	C 7.8		16A		--	--	--	--		0.05	--
0805	5090				172			--	0.03	--	0.3	--	--	0.13
		G4 1600.00	SUSAN RIVER AT SUSANVILLE											
03/19/75	5090	3.67	4.0	C 7.2	72	44AF		--	--	--	--		0.04	--
1635	5090							--	0.06	--	0.6	--	--	0.22
		G6 1765.00	LONG VALLEY CREEK NEAR HALLELUJAH JUNCTION											
03/20/75	5090	2.79	1.0	C 8.0	228	12AF		--	--	--	--		0.04	--
0920	5090							--	0.13	--	0.4	--	--	0.10
		G7 L 856.3 000.5	LAKE TAHOE AT TAHOE KEYS PIER (S-1)											
05/14/75	5090		9.5C	7.4	79	0.4AA		0.006	0.0000	--	--		0.0021	--
1025	5090		1		94			0.029	0.006	0.07	0.099	--	--	0.0117

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.M. DISCH.	TEMP DEPTH	F-PH LAB	F-EC EC	TURB F-CO2	CACO3 CACO3	P T	O NO2 + NO3 T NH3	D ND2 D NO3	O ORG N T ORG N	O (NH3 + T ORG N)	OIS A.M.PO4	O N-PO4 T N-PO 4	O TOT P T TOT P
						FIELD			NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER						
		G7 L 856.3 002.3 LAKE TAHOE AT CAMP RICHARDSON - EDWARDS PIER (S-AA)													
05/14/75 0940	5030 5030		8.2C 1	7.4	76 91	0.16A			0.004 0.025	0.0000 0.004	-- 0.04	-- 0.065	--	0.0021 --	-- 0.0065
		G7 L 857.0 958.0 2 LAKE TAHOE AT SURF AND SANDS PIER (S-10)													
05/14/75 1105	5030 5030		9.3C 1	7.4	85 89	0.82A			0.0073 0.006	0.0003 0.007	-- 0.07	-- 0.076	--	0.0028 --	-- 0.0123
		G7 L 857.6 957.1 LAKE TAHOE AT STATELINE - LAKESIDE MARINA PIER(S-13)													
05/14/75 1220	5030 5030		9.4C 1	7.5	90 92	0.76A			0.001 0.006	0.0000 0.001	-- 0.09	-- 0.096	--	0.0054 --	-- 0.0145
		G7 L 900.0 000.0 LAKE TAHOE - SOUTH CENTER (C-1)													
05/14/75 1120	5030 5030		9.3C 1	7.7	90 94	0.38A			0.001 0.011	0.0000 0.001	-- 0.09	-- 0.101	--	0.0036 --	-- 0.0078
		G7 L 900.4 956.9 LAKE TAHOE AT ZEPHYR COVE PIER (S-8)													
05/14/75 1310	5030 5030		9.4C 1	7.4	90 93	0.48A			0.006 0.014	0.0060 0.006	-- 0.12	-- 0.134	--	0.0024 --	-- 0.0046
		G7 L 900.9 006.8 2 LAKE TAHOE AT RUBICON BAY PIER (S-2)													
05/14/75 0840	5030 5030		8.8C 1	7.4	79 93	0.58A			0.004 0.025	0.0000 0.004	-- 0.06	-- 0.065	--	0.0017 --	-- 0.0023
		G7 L 905.3 956.4 LAKE TAHOE AT GLENBROOK BAY PIER (S-3)													
05/14/75 1150	5030 5030		9.9C 1	7.5	96 102	0.81A			0.008 0.007	0.0000 0.008	-- 0.12	-- 0.127	--	0.0084 --	-- 0.0116
		G7 L 907.8 009.2 LAKE TAHOE AT WARD CREEK PIER (S-11)													
05/14/75 0700	5030 5030		6.6C 1	7.4	88 94	0.21A			0.005 0.012	0.0000 0.005	-- 0.07	-- 0.082	--	0.0014 --	-- 0.0044
		G7 L 908.7 000.3 LAKE TAHOE - NORTH CENTER (C-2)													
05/14/75 0805	5030 5030		8.4C 1	7.7	89 94	0.37A			0.004 0.010	0.0000 0.004	-- 0.10	-- 0.11	--	0.0024 --	-- 0.0068
		G7 L 910.8 007.1 2 LAKE TAHOE AT US COAST GUARD PIER (S-5)													
05/14/75 0755	5030 5030		6.8C 1	7.4	85 88	1.10A			0.015 0.019	0.0000 0.015	-- 0.09	-- 0.109	--	0.0103 --	-- 0.0111
		G7 L 913.5 004.9 LAKE TAHOE AT CANNELIAN BAY - SIERRA BOAT CO (S-14)													
0840	5030 5030		8.9C 1	7.5	90 95	0.41A			0.0063 0.001	0.0003 0.006	-- 01.1	-- 1.101	--	0.0028 --	-- 0.0063
		G7 L 914.2 002.3 LAKE TAHOE AT KINGS BEACH PIER (S-7)													
0920	5030 5030		8.6C 1	7.5	90 94	0.54A			0.006 0.004	0.0000 0.006	-- 0.08	-- 0.084	--	0.0021 --	-- 0.0041
		G7 L 914.2 956.6 LAKE TAHOE AT KINGS CASTLE PIER (S-4)													
1020	5030 5030		9.2C 1	7.5	86 94	0.53A			0.0043 0.070	0.0003 0.004	-- 0.06	-- 0.13	--	0.0049 --	-- 0.0120
		G7 3020.01 BURTON CREEK IN STAR HARBOR (T-8)													
05/07/75 1040	5030 5030		3.2C	7.3	100 99	3.54			0.054 0.025	0.0000 0.054	-- 0.07	-- 0.095	--	0.0370 --	-- 0.051
		G7 3050.01 WARD CREEK NEAR MOUTH (T-5)													
05/07/75 0937	5030 5030	4.41	2.9C	7.3	60 59	0.87A			0.034 0.004	0.0000 0.034	-- 0.09	-- 0.094	--	0.0140 --	-- 0.017
		G7 3100.01 MADDEN CREEK NEAR MOUTH (T-10)													
05/07/75 0905	5030 5030	0.78	2.1C	7.3	54 56	0.23A			0.196 0.021	0.0000 0.196	-- 0.03	-- 0.051	--	0.0148 --	-- 0.016
		G7 3230.01 THIRD CREEK NEAR MOUTH (T-6)													
1050	5030 5030	2.3 8.0	6.3C	6.9	80 93	4.5A			0.038 0.002	0.0000 0.038	-- 0.11	-- 0.112	--	0.0403 --	-- 0.058
		G7 3253.01 INCLINE CREEK AT INCLINE VILLAGE (T-2)													
1030	5030 5030	1.8 12.0	5.3C	7.2	75 84	8.5A			0.1203 0.071	0.0003 0.120	-- 0.06	-- 0.131	--	0.0312 --	-- 0.055
		G7 3300.01 GENERAL CREEK NEAR WEEKS BAY (T-3)													
05/07/75 0825	5030 5030	0.41 10.0	1.6C	7.3	32 33	0.24A			0.029 0.013	0.0000 0.029	-- 0.14	-- 0.153	--	0.0112 --	-- 0.013
		G7 3571.01 TAYLOR CREEK NEAR CAMP RICHARDSON (T-4)													
0725	5030 5030		3.2C	7.4	26 27	0.40A			0.007 0.025	0.0000 0.007	-- 0.06	-- 0.085	--	0.0040 --	-- 0.004
		G7 3679.90 EDGEWOOD CREEK AT MOUTH (T-7A)													
05/07/75 0840	5030 5030	8.0	6.7C	8.3	111 141	5.5A			0.0872 0.013	0.0022 0.085	-- 0.19	-- 0.203	--	0.0875 --	-- 0.096

TABLE D-5 (CONTINUED)
NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. DISCH.	TEMP DEPTH	F-PH LAB	F-EC LAB	TURB	FIELD CACO3 F-CO2	CACO3 T	O NO2 + NO3 T NH3	O NO2 O NO3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER D ORG N T ORG N	O (NH3 + T ORG N)	DIS A.H.PO4	O O-PO4 T O-PO A	O TOT P T TOT P
	G7	3680.00		EDGEWOOD CREEK AT HIGHWAY 50 (T-7)											
05/07/75	5050	1.04	3.3C	7.3	110	4.0A			0.1074	0.0004	--	--		0.0326	--
0915	5050	8.0			134				0.007	0.107	0.13	0.137	--	--	0.047
	G7	3705.01		UPPER TRUCKEE RIVER NEAR MOUTH (T-1)											
05/07/75	5050		1.5C	6.8	55	2.0A			0.1074	0.0004	--	--		0.0164	--
0715	5050	50.0			62				0.012	0.107	0.24	0.252	--	--	0.037
	G7	3810.00		TWOUT CREEK AT SOUTH LAKE TAHOE (T-9)											
05/07/75	5050	1.68	1.9C	6.9	50	4.0A			0.1082	0.0002	--	--		0.0328	--
0800	5050	25			61				0.028	0.108	0.08	0.108	--	--	0.038

TABLE D-6

PESTICIDES IN SURFACE WATER

Sampler and Lab Agency Codes

2163	-	California Department of Water Resources for SWRCB
5001	-	U. S. Bureau of Reclamation
5050	-	California Department of Water Resources

Abbreviations

TIME	-	Pacific Standard Time on a 24-hour clock
TEMP	-	Water temperature at time of sampling in degrees Fahrenheit (F) and Celsius (C)
EC	-	Electrical conductance in micromhos at 25°C
DO	-	Dissolved oxygen content in milligrams per liter
PH	-	Measure of acidity (<7) or alkalinity (>7) of water
DEPTH	-	Depth in feet at which sample was collected
DISCHARGE	-	Instantaneous discharge in cubic feet per second

Pesticides

Chlorinated Hydrocarbons

Code		Most Common Name
ATRAZSIMAZ	-	Atrazine and/or Simazine
DACTHAL	-	Dacthal
PCB 1254	-	PCB 1254, Arochlor 1254
UNKNOWNS	-	Complex chlorinated compound mixture as (Reported as DDT), one or more
NONE DETECTED	-	No detectable amount of Chlorinated Hydrocarbons

Organic Phosphorus

DIAZINON	-	Diazinon
PARATHION	-	Parathion
NONE DETECTED	-	No detectable amount of organic phosphorus

TABLE D-6 (CONTINUED)

PESTICIDES IN SURFACE WATER

COMPOUNDS REPORTED IN MILLIGRAMS/LITER

DATE TIME	SAMP LAB	TEMP EC	DO PH	G.W. DEP DISCHARGE	CHLORINATED HYDROCARBON		ORGANIC PHOSPHORUS		OTHER
	A0	2170.00			SACRAMENTO RIVER AT FREMONT WEIR, WEST END				
10/16/74 1000	5050 5050	61 F 117	9.6 7.4	18.66	NONE	DETECTED			
11/20/74 1115	5050 5050	53.5F 123	10.2 7.4	20.41	.00004	UNKNOWNS			
12/18/74 1115	5050 5050	50 F 146	10.7 7.4	20.10	NONE	DETECTED			
01/15/75 1145	5050 5050	47 F 168	11.4 7.4	18.46	.00014	UNKNOWNS			
02/19/75 1100	5050 5050	47 F 142	11.0 7.3		.00003	UNKNOWNS			
03/19/75 0930	5050 5050	49 F 150	10.9 7.4	29.89	.00006	UNKNOWNS			
04/16/75 1000	5050 5050	55 F 140	9.9 7.4	23.15	NONE	DETECTED			
05/21/75 0930	5050 5050	60.0F 135	9.2 7.4	25.76	.00002	UNKNOWNS			
06/18/75 1015	5050 5050	68.0F 135	8.8 7.4	19.69	NONE	DETECTED			
07/16/75 1045	5050 5050	69 F 177	8.9 7.5	17.9	NONE	DETECTED			
08/20/75 0930	5050 5050	66.0F 180	8.7 7.6	19.11	NONE	DETECTED			
09/17/75 1130	5050 5050	71 F 218	8.1 7.4	19.43	NONE	DETECTED			
	A0	2230.02			SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN				
04/23/75 1315	5050 5050	15.0C	9.9 6.0	22.51	NONE	DETECTED	NONE	DETECTED	
	A0	2785.00			SACRAMENTO RIVER AT BEND BRIDGE				
05/21/75 1320	5050 5050	12.0C	10.8 7.4	22.21	NONE	DETECTED	.000002	PARATHION	
	A0	2933.00			R-D 108 DRAINAGE TO SACRAMENTO RIVER				
04/23/75 1200	5050 5050	16.0C	11.4 8.4		.00015	ATRAZINES	NONE	DETECTED	
	A0	2947.10			COLUSA BASIN DRAIN NEAR KNIGHTS LANDING				
04/23/75 1045	5050 5050	16.0C	8.7 8.2	23.88	NONE	DETECTED	.000005	DIAZINON	
	A0	2965.00			R-D 70 DRAINAGE TO SACRAMENTO RIVER				
04/23/75 1130	5050 5050	15.0C	8.7 8.0		.000645	ATRAZINE .000015	DIELDRIN .000005	DIAZINON	
	A0	2972.00			BUTTE SLOUGH NEAR MERIDIAN				
04/23/75 1045	5050 5050	15.0C	8.1 7.4		NONE	DETECTED	NONE	DETECTED	
	A0	7140.10			AMERICAN RIVER AT SACRAMENTO WATER PLANT				
04/22/75 0815	2103 5050	51.5F 66	10.8 7.1	4594	.00014	UNKNOWNS			
07/22/75 0930	2103 5050	63.0F 48	10.2 7.0	2892	NONE	DETECTED			
	A0	7180.00			AMERICAN RIVER BELOW NIMBUS DAM				
04/22/75 0945	2103 5050	51.5F 64	11.1 7.2	4.45 5090	NONE	DETECTED			
07/22/75 0800	2103 5050	61.0F 43	9.8 7.0	7.66 3500	NONE	DETECTED			
	A1	1680.00			PIT RIVER NEAR CANBY				
05/06/75 1400	5050 5050	9.0C	10.3 7.6	4.31	NONE	DETECTED	NONE	DETECTED	
	A3	1250.06			STONY CREEK NEAR FRUTO				
04/22/75 1100	5050 5050	13.0C	10.2 8.3		NONE	DETECTED	NONE	DETECTED	
	A8	1350.00			CACHE CREEK NEAR LOWER LAKE				
04/17/75 0910	5050 5050	12.0C	10.0 8.3	3.67 513	NONE	DETECTED	NONE	DETECTED	
	B0	7020.00			SAN JOAQUIN RIVER NEAR VERNALIS				
11/21/74 0900	5050 5050	13.0C 310	8.8 7.3	13.35	NONE	DETECTED	NONE	DETECTED	
01/21/75 1600	5001 5050	10 C 645	9.8 7.5	12.46	1 NONE	DETECTED			
05/01/75 1235	5001 5050	19 C 702	8.9 7.8	12.14 2510	1 NONE	DETECTED			
09/11/75 1410	5001 5050	22 C 471	7.9 7.8	12.16 2530	1 .00005	UNKNOWNS			

TABLE D-6 (CONTINUED)

PESTICIDES IN SURFACE WATER
COMPOUNDS REPORTED IN MILLIGRAMS/LITER

DATE TIME	SAMP LAB	TEMP EC	DO PH	G.M. DEP DISCHARGE	CHLORINATED HYDROCARBON	ORGANIC PHOSPHORUS	OTHER
				A9 D 747.2 119.4	SAN JOAQUIN RIVER AT HOSSOALE BRIDGE		
10/21/74 1040	5030 5030	62 F 500	8.6 7.3	3.14	.000025 UNKNOWNS		
12/17/74 1100	5030 5030	52 F 395	9.3 7.2		NONE DETECTED		
01/15/75 1400	5030 5030	50 F 301	10.4 7.2		NONE DETECTED		
02/21/75 1200	5030 5030	49 F 362	10.2 7.3		.000025 UNKNOWNS		
03/27/75 1200	5030 5030	54 F 322	9.7 7.3	6.05	.00004 ATRAZSIMAZ		
04/21/75 0930	5030 5030	63 F 585	8.8 7.4	2.90	.000015 ATRAZSIMAS .000005 UNKNOWNS		
05/28/75 1000	5030 5030	68.0F 309	9.2 7.5	4.72	.00002 DACTHAL		
06/25/75 0845	5030 5030	69 F 489	9.2 7.4		.00003 DACTHAL		
07/18/75 0930	2103 5030	75.0F 740	10.8 8.0	2.06	.000045 UNKNOWNS		
08/18/75 1400	5030 5030	73.0F 620	7.7 7.6		.000035 DACTHAL .000055 UNKNOWNS	.0002 PCB1254	
09/19/75 1100	5030 5030	70 F 415	6.4 7.4		.0009 ATRAZSIMAZ		
				A9 D 749.8 133.2	WEST CANAL AT MOUTH OF INTAKE TO CLIFTON CT FOREBAY		
01/22/75 1615	5001 5030	7 C 432	9.6 7.2		1 NONE DETECTED		
05/01/75 1225	5001 5030	16 C 233	9.1 7.7		1 NONE DETECTED		
09/11/75 1335	5001 5030	23 C 221	7.6 8.5		1 NONE DETECTED		
				A9 D 758.7 122.9	SAN JOAQUIN RIVER AT BUCKLEY COVE		
02/03/75 1225	5001 5030	9 C 508	11.1 7.4		1 .00003 UNKNOWNS		
05/01/75 0955	5001 5030	17 C 549	9.9 8.1		1 .000015 ATRAZSIMAZ .000045 UNKNOWNS		
09/11/75 1100	5001 5030	24 C 620	5.0 8.2		1 .000075 UNKNOWNS		
				A9 D 801.1 142.6	BIG BREAK NEAR OAKLEY		
01/08/75 1425	5001 5030	8 C 231	11.3 7.9		1 NONE DETECTED		
05/08/75 1625	5001 5030	18 C 143	11.0 8.8		1 NONE DETECTED		
09/03/75 1725	5001 5030	25 C 258	9.6 8.3		1 NONE DETECTED		
				A9 D 801.2 148.5	SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL		
01/08/75 1355	5001 5030	8 C 273	11.5 7.8		1 NONE DETECTED		
05/08/75 1655	5001 5030	16 C 166	10.1 8.1		1 .000015 UNKNOWNS		
09/03/75 1640	5001 5030	27 C 527	7.4 7.8		1 .00004 UNKNOWNS		
				A9 D 802.6 136.8	FRANKS TRACT NEAR RUSSOS LANDING		
01/07/75 1445	5001 5030	7 C 269	11.2 7.6		1 NONE DETECTED		
05/07/75 1610	5001 5030	17 C 139	10.5 8.2		1 NONE DETECTED		
09/02/75 1550	5001 5030	24 C 230	10.2 8.5		1 NONE DETECTED		
				A9 D 803.1 141.3	SAN JOAQUIN RIVER AT JERSEY POINT		
01/07/75 1420	5001 5030	7 C 230	11.0 7.7		1 NONE DETECTED		
05/07/75 1550	5001 5030	16 C 143	10.0 8.0		1 NONE DETECTED		
09/02/75 1530	5001 5030	27 C 270	8.2 8.0		1 NONE DETECTED		
				A9 D 803.8 149.2	SACHAMENTO RIVER ABOVE POINT SACRAMENTO		
01/07/75 1215	5001 5030	7 C 344	11.0 7.2		1 NONE DETECTED		
05/07/75 1345	5001 5030	15 C 146	9.4 7.8		1 NONE DETECTED		
09/02/75 1345	5001 5030	22 C 190	8.0 7.9		1 NONE DETECTED		

TABLE D-6 (CONTINUED)

PESTICIDES IN SURFACE WATER
COMPOUNDS REPORTED IN MILLIGRAMS/LITER

DATE TIME	SAMP LAB	TEMP EC	DO PH	G.H. DEP DISCHARGE	CHLORINATED HYDROCARBON	ORGANIC PHOSPHORUS	OTHER
		89 D 804.7 134.0			SAN JOAQUIN RIVER AT POTATO POINT		
01/07/75 1510	5001 5050	7 C 193	11.2 7.6	1	NONE DETECTED		
05/07/75 1630	5001 5050	15 C 122	9.6 7.7	1	NONE DETECTED		
09/02/75 1615	5001 5050	22 C 160	8.2 7.8	1	NONE DETECTED		
		89 D 805.1 144.3			SACRAMENTO RIVER AT EMMATON		
01/07/75 1305	5001 5050	7 C 191	10.8 7.6	1	NONE DETECTED		
05/07/75 1440	5001 5050	15 C 131	9.6 7.7	1	NONE DETECTED		
09/02/75 1420	5001 5050	22 C 240	8.5 7.9	1	NONE DETECTED		
		89 D 809.4 141.0			SACRAMENTO RIVER BELOW RIO VISTA BRIDGE		
01/07/75 1330	5001 5050	7 C 170	11.4 7.6	1	NONE DETECTED		
05/07/75 1505	5001 5050	15 C 130	9.5 7.7	1	NONE DETECTED		
09/02/75 1450	5001 5050	21 C 198	8.5 7.9	1	NONE DETECTED		
		89 D 815.3 126.3			MOKELUMNE RIVER NEAR THORNTON		
01/21/75 1150	5001 5050	8 C 99	11.1 7.1	1	.000025 UNKNOWNS		
05/01/75 0900	5001 5050	13 C 49	10.2 7.1	1	NONE DETECTED		
09/11/75 0915	5001 5050	18 C 48	9.2 7.2	1	NONE DETECTED		
		89 D 820.7 132.7			SACRAMENTO RIVER AT GREENES LANDING		
10/16/74 1200	5050 5050	62 F 108	9.4 7.3		NONE DETECTED		
11/20/74 1300	5050 5050	55 F 103	9.8 7.3		.00004 UNKNOWNS		
12/18/74 1300	5050 5050	50 F 125	10.5 7.3		NONE DETECTED		
01/15/75 1345	5050 5050	47 F 132	11.0 7.2		.000065 UNKNOWNS		
01/22/75 1225	5001 5050	8 C 202	10.8 7.5	1	NONE DETECTED		
02/19/75 1220	5050 5050	47.5F 126	10.8 7.2		.00002 UNKNOWNS		
03/19/75 1100	5050 5050	51 F 133	10.6 7.4		NONE DETECTED		
04/16/75 1200	5050 5050	55 F 133	10.0 7.3		NONE DETECTED		
05/01/75 0800	5001 5050	14 C 117	10.1 7.5	1	NONE DETECTED		
05/21/75 1200	5050 5050	61.0F 122	9.1 7.4		NONE DETECTED		
06/18/75 1245	5050 5050	67.0F 136	9.1 7.4		.00003 UNKNOWNS		
07/16/75 1230	5050 5050	71 F 117	9.6 7.5		NONE DETECTED		
08/20/75 1200	5050 5050	68.0F 144	8.0 7.3		NONE DETECTED		
09/11/75 0805	5001 5050	20 C 187	7.8 7.5	1	NONE DETECTED		
09/17/75 1330	5050 5050	69 F 163	7.6 7.4		NONE DETECTED		
	G4	1590.01			SUSAN RIVER NEAR LITCHFIELD		
05/07/75 0805	5050 5050	9.0C	9.2 7.8		NONE DETECTED	NONE DETECTED	

TABLE D- 7 (Cont.)

DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

AO 2170.00 SACRAMENTO RIVER AT FREMONT WEIR, WEST END
(October 1, 1974 through September 30, 1975)

(In Degrees Fahrenheit)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	NR	NR	56	55	52	51	42	42	45	44	53	52	53	52	59	58	68	67	NR	NR	NR	NR	67	66
2	NR	NR	55	54	NR	NR	44	42	45	44	53	52	53	52	59	59	68	67	NR	NR	NR	NR	68	66
3	NR	NR	54	53	NR	NR	44	43	45	44	53	53	53	53	59	58	67	66	NR	NR	NR	NR	68	66
4	NR	NR	54	53	NR	NR	45	44	45	44	53	53	NR	NR	58	58	66	66	NR	NR	NR	NR	68	66
5	NR	NR	54	53	NR	NR	45	44	45	45	54	53	NR	NR	58	57	67	66	NR	NR	NR	NR	69	67
6	NR	NR	55	54	NR	NR	45	45	46	45	54	52	NR	NR	57	56	68	67	NR	NR	NR	NR	69	67
7	NR	NR	55	54	52	51	47	45	46	46	53	52	NR	NR	58	57	68	67	NR	NR	NR	NR	70	68
8	NR	NR	54	54	52	51	48	47	48	46	53	52	NR	NR	58	57	69	68	NR	NR	NR	NR	70	69
9	NR	NR	54	54	51	51	48	47	49	48	53	52	NR	NR	59	58	68	67	NR	NR	NR	NR	71	70
10	NR	NR	54	53	51	50	46	46	50	49	52	52	NR	NR	60	59	68	67	NR	NR	NR	NR	71	69
11	NR	NR	54	53	50	50	46	45	50	50	52	51	NR	NR	60	59	68	67	NR	NR	NR	NR	69	68
12	NR	NR	54	53	50	49	46	44	50	49	51	51	NR	NR	61	59	68	67	NR	NR	NR	NR	68	68
13	NR	NR	54	53	50	50	46	45	50	49	52	50	NR	NR	61	60	68	67	NR	NR	NR	NR	68	67
14	NR	NR	55	54	50	50	46	45	50	49	51	50	NR	NR	62	61	69	68	NR	NR	NR	NR	69	68
15	NR	NR	55	54	50	50	47	46	49	49	50	50	NR	NR	62	61	69	67	NR	NR	NR	NR	70	69
16	NR	NR	55	54	50	50	48	47	49	48	50	50	55	55	62	61	69	67	NR	NR	NR	NR	70	69
17	NR	NR	55	54	51	50	48	48	48	47	50	50	55	53	62	61	68	67	70	69	NR	NR	69	69
18	NR	NR	55	54	50	50	48	48	47	46	50	49	55	53	63	62	68	66	70	68	NR	NR	70	69
19	61	60	55	54	50	49	48	48	47	47	50	49	56	55	64	63	66	64	NR	NR	NR	NR	69	68
20	60	60	54	53	49	49	48	48	48	47	50	50	57	56	63	61	64	63	NR	NR	NR	NR	68	67
21	60	59	54	53	49	48	49	48	48	47	50	50	59	57	61	60	66	63	NR	NR	68	66	68	67
22	59	57	54	53	48	47	49	49	47	46	50	49	NR	NR	60	59	67	65	NR	NR	70	67	NR	NR
23	57	56	53	52	47	46	49	49	47	46	49	48	NR	NR	62	60	67	66	NR	NR	70	69	NR	NR
24	57	56	53	52	46	45	50	49	48	46	48	47	NR	NR	63	62	67	65	NR	NR	71	69	NR	NR
25	57	56	52	52	45	44	50	49	49	48	50	48	NR	NR	63	63	68	64	NR	NR	71	69	NR	NR
26	57	56	52	51	45	44	50	49	51	49	50	49	55	54	64	63	66	65	NR	NR	71	70	NR	NR
27	57	57	52	51	45	45	49	48	52	51	50	49	54	53	64	64	67	65	NR	NR	70	69	NR	NR
28	57	57	52	52	46	45	48	47	52	52	49	49	55	54	65	64	67	65	NR	NR	69	68	NR	NR
29	57	57	52	52	45	44	47	43			49	49	56	55	66	65	69	66	NR	NR	68	66	NR	NR
30	57	56	52	51	45	42	45	45			50	49	57	56	66	65	68	66	NR	NR	68	66	NR	NR
31	57	56			42	42	45	44			52	50			67	66			NR	NR	67	66		
Max	NR		56		NR		50		52		54		NR		67		69		NR		NR		NR	
Min	NR		51		NR		42		44		47		NR		56		63		NR		NR		NR	
Avg	NR		53		NR		47		48		52		NR		61		67		NR		NR		NR	

AO 5165.00 FEATHER RIVER NEAR GRIDLEY
(October 1, 1974 through September 30, 1975)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	61	60	57	55	52	51	45	44	45	43	52	50	56	52	56	53	69	64	70	64	70	68	69	65
2	60	58	56	54	52	52	45	44	46	45	54	50	56	52	56	54	68	64	70	65	71	67	68	66
3	59	58	56	54	52	52	45	44	47	45	55	51	55	52	54	52	69	64	69	64	72	68	69	64
4	59	58	56	54	52	52	45	44	48	46	54	52	54	52	53	51	68	64	70	65	72	68	69	65
5	59	58	56	54	52	52	45	45	47	46	54	52	54	51	53	50	67	64	71	66	71	67	69	65
6	59	57	56	54	52	51	45	45	47	46	54	52	55	52	55	52	66	63	73	67	69	66	69	65
7	59	57	55	54	51	50	46	45	48	47	54	52	54	52	56	53	66	63	77	69	70	66	69	64
8	58	57	55	53	51	50	47	46	50	47	55	53	54	52	56	53	64	62	76	69	71	67	68	65
9	58	56	55	53	51	50	46	46	50	49	55	52	58	52	56	53	64	61	NR	NR	71	67	68	65
10	58	56	55	53	50	50	46	46	51	49	55	52	58	54	56	54	65	63	NR	NR	72	67	65	62
11	59	56	55	54	50	50	46	45	51	49	56	53	59	54	58	54	65	63	NR	NR	71	67	65	62
12	59	57	55	54	50	50	47	43	50	50	56	53	61	56	57	55	66	63	NR	NR	70	67	65	62
13	60	58	55	54	50	50	46	45	51	50	54	52	61	57	58	55	66	63	NR	NR	70	66	65	62
14	60	58	55	54	50	50	47	45	52	50	55	51	59	56	58	56	66	63	NR	NR	69	66	66	62
15	61	59	54	53	51	50	46	46	51	48	53	52	58	55	57	55	68	63	NR	NR	70	66	65	62
16	60	58	53	53	50	50	47	46	50	48	54	51	59	55	57	54	70	65	NR	NR	70	66	65	62
17	59	58	53	53	51	50	46	46	50	47	52	51	60	56	59	56	71	66	NR	NR	69	66	66	62
18	59	58	54	53	50	49	46	46	50	48	53	50	60	56	60	57	71	67	NR	NR	69	67	64	62
19	58	57	53	52	49	49	46	46	49	48	53	52	61	57	60	58	69	65	NR	NR	69	66	64	61
20	59	57	53	52	49	49	47	46	50	48	55	51	63	58	58	56	70	65	NR	NR	70	67	66	62
21	58	56	53	52	49	48	47	46	50	47	53	50	64	59	59	56	70	65	NR	NR	69	66	67	64
22	57	55	54	53	48	47	47	46	50	46	52	49	61	58	61	57	71	66	NR	NR	71	66	67	64
23	56	54	53	52	47	45	47	46	50	47	53	50	60	57	64	60	70	65	NR	NR	70	67	68	65
24	56	55	52	51	46	45	48	46	51	48	52	51	58	56	66	61	68	64	NR	NR	72	67	69	65
25	56	55	53	52	46	44	48	47	52	48	54	51	58	55	66	62	69	64	NR	NR	72	68	69	65
26	57	55	53	52	46	44	48	47	52	49	53	50	57	54	67	62	70	65	NR	NR	70	67	68	65
27	56	55	53	52	46	45	46	45	54	50	54	50	56	54	68	63	70	65	NR	NR	68	66	67	64
28	58	55	52	52	46	45	45	44	54	51	53	49	55	53	68	64	70	65	NR	NR	69	65	66	63
29	57	55	52	51	45	44	46	44			54	49	56	53	68	64	70	66	NR	NR	69	65	66	63
30	57	55	52	52	46	44	45	44			56	51	56	53	69	64	70	64	NR	NR	69	66	66	63
31	56	56			45	44	44	43			56	52			70	65			NR	NR	69	66		
Max	61		57		52		48		54		56		64		70		71		NR		72		69	
Min	54		51		44		43		43		49		51		50		61		NR		65		61	
Avg	57		54		49		46		49		52		56		58		66		NR		68		65	

NR - No record

TABLE D-7 (Cont.)

DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

AO 5975.00 THERMALITO AFTERBAY RELEASE TO FEATHER RIVER NEAR OROVILLE
(October 1, 1974 through September 30, 1975)

(In Degrees Fahrenheit)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	62	60	57	56	52	52	43	42	43	42	51	48	53	52	56	53	72	65	65	65	70	67	68	65
2	60	59	57	55	52	52	43	42	44	43	51	50	53	53	55	53	68	66	67	64	71	67	66	64
3	59	59	56	55	52	52	42	42	44	44	53	51	53	53	55	52	68	66	64	64	71	67	67	64
4	60	59	56	55	52	52	43	42	45	44	54	51	53	53	53	51	68	66	68	64	71	67	67	64
5	60	59	56	55	52	52	43	43	45	45	55	52	53	53	54	50	67	65	69	65	68	66	68	64
6	59	59	56	55	52	51	44	43	45	45	54	53	55	53	55	52	66	64	72	66	67	66	67	64
7	60	59	56	55	51	50	45	44	45	45	54	53	54	53	55	53	67	64	75	67	69	66	68	62
8	59	58	55	54	51	51	46	45	47	45	54	54	55	53	56	53	64	62	75	69	70	67	65	64
9	58	57	55	54	51	50	46	46	48	47	54	54	55	54	56	53	65	61	75	69	70	67	65	64
10	58	57	55	54	51	50	46	45	48	48	54	54	55	53	55	53	67	64	72	70	71	67	64	61
11	59	58	55	54	50	50	45	45	49	48	56	54	60	55	59	54	66	64	73	68	70	66	63	61
12	60	58	55	54	50	50	45	45	49	49	55	54	60	58	57	54	67	64	70	68	69	67	62	60
13	60	59	55	55	50	49	46	45	49	49	54	54	60	59	59	55	68	63	72	67	68	65	64	61
14	60	59	55	55	49	49	46	45	50	49	54	53	60	59	58	56	67	64	68	67	67	65	64	61
15	61	60	55	54	49	49	46	45	49	48	53	53	59	58	56	55	67	64	68	65	69	66	63	61
16	60	59	54	53	49	49	45	45	49	48	53	52	60	58	58	54	70	68	68	65	68	66	64	61
17	60	59	53	53	50	49	45	45	48	47	52	51	61	58	58	56	72	69	65	64	69	66	63	59
18	59	58	53	53	50	49	45	45	48	47	52	51	61	59	61	57	71	67	67	64	69	67	62	59
19	59	58	53	53	49	49	45	45	48	47	52	52	64	59	61	58	67	65	69	65	68	66	62	59
20	59	58	53	53	49	48	45	45	48	48	53	52	64	62	59	56	68	64	70	65	67	66	65	61
21	59	57	53	53	48	48	46	45	48	46	53	51	64	63	57	56	67	65	69	66	66	65	66	62
22	58	56	54	53	48	47	46	46	47	46	51	51	63	61	61	57	68	65	71	67	69	65	68	63
23	56	55	53	52	47	45	46	46	49	46	51	50	61	59	64	59	68	66	73	67	67	65	67	65
24	56	56	52	51	45	43	47	46	49	47	51	51	59	58	69	61	67	64	72	67	72	67	67	65
25	56	56	53	52	44	43	47	46	50	47	53	51	58	56	65	63	68	64	73	68	73	68	66	64
26	56	55	53	52	44	43	47	46	51	48	52	50	56	54	67	63	68	65	71	68	69	67	66	64
27	57	56	52	52	44	44	46	44	52	50	51	50	57	54	67	65	68	64	70	68	68	66	66	63
28	57	56	52	52	44	44	44	43	51	50	51	49	55	52	66	65	67	63	70	68	67	65	65	62
29	57	56	52	52	44	43	44	43			51	49	55	52	67	65	66	64	70	68	68	63	65	63
30	57	56	52	52	43	42	44	42			52	51	55	53	68	66	67	65	71	66	67	63	64	62
31	57	57			43	42	43	41			54	52			71	64			68	67	68	65		
Max	62		57		52		47		52		56		64		71		72		75		73		68	
Min	55		51		42		41		42		48		52		50		61		64		65		59	
Avg	58		54		48		44		47		52		57		58		66		68		68		64	

AO 5990.00 FEATHER RIVER FISH HATCHERY
(October 1, 1974 through September 30, 1975)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	55	52	53	52	52	51	47	47	45	44	46	45	49	47	50	49	55	54	58	56	63	60	59	58
2	55	53	54	52	52	51	47	47	44	44	46	45	49	47	50	49	55	54	59	58	61	60	59	58
3	55	53	54	53	52	51	47	47	44	44	47	46	48	47	49	47	55	54	59	59	61	59	58	56
4	55	53	54	53	51	47	47	47	44	44	47	46	48	47	50	47	58	55	59	59	62	61	56	54
5	53	52	53	52	51	50	47	46	44	44	46	46	47	47	51	50	58	56	60	58	61	61	55	54
6	52	52	53	52	51	51	46	46	44	44	46	46	49	47	51	50	56	56	61	59	61	59	55	55
7	54	52	52	52	51	50	46	46	44	44	46	46	48	47	51	50	56	55	61	60	59	58	56	55
8	54	52	53	51	51	51	46	46	45	44	46	46	48	47	51	50	59	56	61	60	60	58	56	55
9	55	53	53	52	51	50	46	45	45	45	46	46	47	47	51	50	60	58	61	60	61	60	56	55
10	55	54	53	52	51	50	45	45	45	45	47	46	48	47	52	50	59	58	61	60	60	60	56	55
11	58	55	53	52	50	50	45	45	46	45	47	46	50	47	51	49	58	57	61	59	61	60	56	54
12	58	57	52	52	50	49	45	45	46	45	47	46	50	47	52	51	58	56	59	59	61	60	55	53
13	57	54	52	51	49	49	46	45	46	45	47	46	50	47	53	52	59	56	59	59	61	60	54	54
14	56	54	53	52	49	49	46	46	46	46	47	46	50	47	52	51	59	58	60	59	61	60	54	53
15	57	55	53	52	49	49	46	46	46	46	46	46	50	47	52	50	59	58	59	59	61	60	55	53
16	55	52	52	52	49	48	46	46	46	46	46	45	49	47	54	52	59	58	60	59	61	60	55	54
17	56	54	52	52	48	47	46	46	46	46	47	46	49	47	54	52	58	57	61	60	61	60	55	54
18	55	53	52	51	49	47	46	46	46	46	46	46	49	47	55	52	59	58	60	59	61	59	55	54
19	53	52	54	51	49	48	46	46	46	46	46	46	50	47	54	53	58	57	60	60	62	59	55	53
20	53	52	54	53	48	47	46	46	46	46	46	46	52	48	56	53	58	57	61	60	62	61	55	54
21	54	52	54	50	47	46	46	45	46	46	46	46	53	49	56	53	58	58	61	60	62	60	57	54
22	54	53	52	50	46	46	46	45	46	45	46	46	51	47	54	53	59	57	61	61	62	61	57	55
23	54	51	53	53	46	46	46	46	45	45	46	46	47	47	54	53	59	58	62	61	61	60	57	55
24	52	51	52	52	46	46	46	46	45	45	46	46	48	47	55	53	58	55	62	61	60	57	57	55
25	52	52	52	51	46	46	46	46	46	45	46	46	48	47	55	54	59	55	62	61	60	59	56	54
26	52	52	53	51	47	46	46	46	46	45	46	46	50	48	56	55	59	58	63	62	60	60	54	52
27	52	52	53	52	47	47	46	46	46	45	47	46	50	49	56	54	59	59	62	62	60	58	54	53
28	53	52	52	52	47	47	46	46	46	45	47	47	50	49	56	55	59	58	62	61	60	58	54	53
29	53	52	52	52	46	46	46	46			48	47	50	50	57	55	60	58	62	61	60	58	54	53
30	53	52	52	51	47	46	46	45			48	47	51	50	56	55	61	57	62	60	59	58	53	53
31	52	52			47	47	45	45			49	48			56	54			63	62	59	58		
Max	58		54		52		47		46		49		53		57		61		63		63		59	
Min	51		50		46		45		44		45		47		47		54		56		57		52	
Avg	54		52		48		46		45		46		48		52		57		60		60		55	

TABLE D-7 (Cont.)

DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

A6 1265.00 SQUIRREL CREEK NEAR PENN VALLEY
(October 1, 1974, through September 30, 1975)

In Degrees Fahrenheit

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	63	56	54	50	45	40	39	36	NR	NR	52	50	52	44	63	53	73	66	69	61	72	63	66	59
2	64	59	52	48	46	44	39	34	44	41	54	50	53	45	62	55	70	65	69	60	73	64	66	59
3	64	59	51	47	49	46	40	35	45	40	53	47	51	48	58	53	71	63	69	61	73	64	66	59
4	63	59	51	47	51	47	42	40	45	43	55	48	48	43	57	50	73	63	69	61	72	63	67	60
5	61	56	51	47	48	45	42	39	45	43	52	51	46	41	58	49	75	66	70	61	72	63	69	61
6	60	54	51	47	49	45	45	42	46	44	51	50	50	41	59	49	75	67	72	62	72	65	69	62
7	60	54	50	50	48	43	47	45	49	46	50	48	45	41	60	51	73	66	73	63	70	62	69	62
8	62	58	51	48	47	43	47	44	51	48	51	48	48	43	62	52	73	65	73	63	71	62	69	63
9	62	58	50	46	45	41	44	41	51	48	50	48	54	42	63	54	74	65	74	64	71	62	69	64
10	60	56	50	46	44	40	45	43	50	46	51	47	55	44	62	55	74	66	72	66	71	63	67	64
11	60	55	51	46	46	43	45	41	51	46	53	47	56	46	65	52	73	66	75	65	71	63	67	61
12	60	54	52	47	47	45	45	40	48	46	52	45	58	48	66	56	74	65	75	65	72	63	68	62
13	59	53	53	49	47	45	45	40	49	46	48	41	58	50	67	53	76	66	75	65	71	63	68	62
14	59	53	53	49	47	44	45	40	49	45	51	42	54	49	67	61	77	67	74	65	71	63	67	61
15	59	53	52	49	48	43	46	40	47	41	47	43	54	46	64	58	76	68	68	66	70	63	67	61
16	59	53	51	48	47	43	47	41	47	42	50	43	53	46	66	57	75	67	73	65	70	63	67	61
17	59	54	52	50	47	44	46	41	46	40	47	44	55	46	68	59	73	67	74	66	68	63	68	61
18	59	53	53	50	45	41	47	41	46	41	51	46	56	47	70	60	70	63	77	66	66	62	67	64
19	58	54	50	47	43	39	47	41	47	46	50	49	59	51	67	61	68	62	74	65	64	61	67	62
20	59	54	51	46	44	40	47	42	49	45	52	45	59	51	63	57	70	61	74	65	68	60	67	61
21	57	52	51	50	44	41	48	42	46	41	48	42	60	53	63	55	72	63	75	66	67	63	67	61
22	56	51	50	47	42	39	48	43	47	40	47	42	56	51	65	57	72	63	75	66	69	62	66	61
23	55	50	48	44	39	36	48	43	49	42	50	44	56	51	67	58	70	64	76	67	70	63	66	60
24	55	50	48	43	38	33	49	43	49	43	50	47	54	49	68	60	65	61	77	68	70	62	66	60
25	56	51	50	47	39	35	49	43	51	45	52	45	53	47	69	61	66	58	78	69	71	63	65	59
26	57	53	48	44	41	35	49	44	52	45	50	42	55	46	69	61	68	59	77	68	70	64	64	59
27	56	53	47	43	41	40	44	40	55	49	50	42	58	48	70	61	69	60	77	68	67	62	63	58
28	55	52	46	41	43	40	41	37	55	49	50	41	59	50	70	61	71	61	76	68	67	61	62	57
29	54	51	46	41	40	36	43	37			53	42	60	51	70	62	72	62	74	68	67	60	61	56
30	53	50	46	41	42	38	41	36			55	46	61	52	73	62	71	62	72	64	66	60	62	57
31	54	52			41	37	NR	NR			55	48			74	64			71	63	66	59		
Max	64		54		51		NR		NR		55		61		74		77		78		73		69	
Min	50		41		33		NR		NR		41		41		49		58		60		59		56	
Avg	56		48		43		NR		NR		48		51		61		68		69		66		63	

B9 D 747.2 118.4 SAN JOAQUIN RIVER AT MOSSDALE BRIDGE
(October 1, 1974 through September 30, 1975)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	NR	NR	NR	NR	53	51	48	46	50	48	58	57	57	55	68	65	70	68	72	69	78	76	73	71
2	NR	NR	NR	NR	52	51	49	47	51	50	58	56	58	56	68	66	68	66	71	69	79	77	74	73
3	NR	NR	NR	NR	53	52	48	47	52	51	58	56	57	56	67	63	68	65	71	69	80	79	75	73
4	NR	NR	NR	NR	55	53	50	48	53	52	58	57	57	56	63	61	68	65	72	69	80	79	76	74
5	NR	NR	NR	NR	55	54	50	49	53	52	58	57	58	56	62	59	69	66	74	70	80	78	77	75
6	NR	NR	NR	NR	54	53	51	50	53	52	58	56	57	56	64	60	70	67	75	72	78	75	77	75
7	NR	NR	NR	NR	54	53	52	50	53	52	58	56	56	55	64	61	69	66	76	73	75	74	77	74
8	NR	NR	NR	NR	54	53	54	52	54	53	58	56	57	55	65	62	69	66	77	74	77	75	75	72
9	NR	NR	NR	NR	53	53	53	52	56	54	57	56	58	56	65	62	69	66	76	74	78	77	73	70
10	NR	NR	NR	NR	53	52	52	52	55	54	56	56	59	57	66	62	69	67	77	70	78	76	73	70
11	NR	NR	NR	NR	52	52	52	51	56	55	57	55	60	58	67	63	69	68	76	75	78	76	73	70
12	NR	NR	NR	NR	53	52	54	51	56	54	57	55	61	59	68	64	70	68	79	76	78	76	73	70
13	NR	NR	58	56	53	52	52	50	54	53	56	54	62	60	69	66	71	68	79	76	77	75	NR	NR
14	NR	NR	58	56	53	52	51	50	54	52	55	54	62	61	69	66	71	69	79	77	76	74	NR	NR
15	NR	NR	58	56	53	52	51	51	52	51	54	53	61	59	67	65	70	68	78	75	77	75	NR	NR
16	NR	NR	57	56	53	52	51	50	52	50	54	53	60	59	67	64	69	67	77	73	76	74	NR	NR
17	NR	NR	57	56	53	52	52	50	50	49	54	53	60	58	69	65	68	66	78	75	75	74	NR	NR
18	NR	NR	57	56	52	51	51	51	50	49	56	53	61	58	70	67	68	65	77	75	75	70	NR	NR
19	NR	NR	56	55	52	51	51	51	50	50	56	55	62	60	69	67	66	65	78	75	73	70	73	72
20	NR	NR	56	55	52	52	51	50	51	50	57	55	64	61	67	63	68	65	78	76	75	72	72	70
21	NR	NR	56	56	52	51	51	50	50	49	56	54	65	63	65	62	70	64	79	74	77	73	73	70
22	61	59	56	54	52	50	51	50	50	48	54	53	64	62	66	62	72	68	80	76	78	75	73	71
23	60	59	55	53	50	48	51	50	51	49	55	53	65	62	68	64	71	69	81	80	79	76	73	71
24	60	59	54	52	49	47	52	50	52	50	57	55	64	63	69	66	70	68	82	80	79	77	74	72
25	61	59	54	53	48	47	52	51	54	52	58	56	63	61	69	66	71	68	83	80	80	77	74	72
26	61	60	54	52	49	46	52	51	54	53	56	54	61	59	70	67	71	68	84	82	79	76	73	72
27	61	60	54	52	49	48	52	50	56	54	55	53	63	60	69	66	72	69	83	82	76	74	72	70
28	61	60	53	52	50	49	50	48	58	55	54	52	64	62	71	69	73	70	82	79	75	72	70	68
29	60	59	52	51	49	48	50	49			54	52	65	62	70	67	74	71	80	78	74	72	70	68
30	NR	NR	53	51	49	48	50	48			56	53	66	64	72	68	72	69	79	77	74	72	70	68
31	NR	NR			49	46	49	48			57	56			71	69			82	78	74	72		
Max	NR		NR		55		54		58		58		66		72		74		84		80		NR	
Min	NR		NR		46		46		48		52		55		59		65		69		70		NR	
Avg	NR		NR		51		50		52		56		60		66		69		76		76		NR	

NR - No record

DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

B9 O 757.8 121.9 STOCKTON SHIP CHANNEL AT BURNS CUTOFF
(October 1, 1974 through September 30, 1975)

(In Degrees Fahrenheit)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	71	69	60	60	53	52	47	46	47	47	55	54	NR	NR	65	62	NR	NR	76	74	NR	NR	NR	NR
2	70	69	60	59	53	52	47	45	48	47	56	54	NR	NR	65	62	NR	NR	76	74	NR	NR	NR	NR
3	70	69	NR	NR	53	52	46	45	48	47	56	54	NR	NR	64	63	NR	NR	76	74	NR	NR	NR	NR
4	71	69	NR	NR	54	53	46	45	49	47	58	55	NR	NR	64	63	NR	NR	75	74	NR	NR	NR	NR
5	70	69	NR	NR	54	53	46	45	50	49	58	57	51	50	64	63	NR	NR	76	74	NR	NR	NR	NR
6	70	69	NR	NR	54	53	47	46	51	50	58	57	NR	NR	64	63	NR	NR	77	74	NR	NR	NR	NR
7	70	69	NR	NR	54	53	48	47	52	51	58	58	NR	NR	64	63	NR	NR	77	75	NR	NR	NR	NR
8	69	68	NR	NR	54	53	48	48	52	51	58	57	56	55	64	63	NR	NR	76	75	NR	NR	77	76
9	69	68	NR	NR	53	53	49	48	53	52	57	56	57	56	65	63	NR	NR	NR	NR	NR	NR	78	76
10	68	67	NR	NR	53	52	49	47	54	53	57	56	57	56	66	64	NR	NR	NR	NR	NR	NR	77	76
11	68	67	NR	NR	52	52	50	49	54	53	56	56	58	57	67	65	NR	NR	NR	NR	NR	NR	77	75
12	68	67	NR	NR	52	51	50	49	54	54	57	56	60	57	67	65	NR	NR	NR	NR	NR	NR	77	76
13	69	67	NR	NR	52	51	50	49	54	53	56	55	61	58	70	66	NR	NR	NR	NR	NR	NR	77	75
14	69	67	NR	NR	52	51	50	49	53	51	55	52	60	59	69	67	NR	NR	NR	NR	NR	NR	76	75
15	69	67	NR	NR	52	51	50	49	52	51	54	52	60	59	70	67	NR	NR	NR	NR	NR	NR	76	75
16	69	67	NR	NR	52	51	50	49	51	50	54	53	60	59	70	68	NR	NR	NR	NR	NR	NR	76	74
17	69	67	NR	NR	52	51	49	49	50	49	54	53	60	59	71	68	73	71	NR	NR	NR	NR	75	74
18	69	67	NR	NR	52	51	50	49	49	48	55	52	60	59	71	68	72	70	NR	NR	NR	NR	76	74
19	69	68	NR	NR	52	51	50	49	49	49	55	54	61	59	70	69	71	70	NR	NR	NR	NR	75	74
20	69	68	57	56	51	51	50	49	49	48	56	54	61	59	69	67	72	69	NR	NR	NR	NR	75	74
21	68	66	56	56	51	50	50	49	49	48	55	53	62	60	67	66	72	70	NR	NR	NR	NR	76	74
22	66	65	56	56	51	50	49	49	49	48	55	52	62	61	68	65	73	71	NR	NR	NR	NR	76	74
23	65	64	56	55	50	48	49	49	50	48	54	52	62	61	68	65	73	71	NR	NR	NR	NR	75	74
24	64	62	56	54	49	48	50	49	50	49	56	53	62	62	69	66	72	69	NR	NR	NR	NR	76	74
25	63	61	56	55	49	47	50	49	51	49	56	54	62	61	70	68	73	71	NR	NR	NR	NR	76	75
26	62	61	55	54	48	47	50	50	53	51	55	53	62	60	71	68	74	72	NR	NR	NR	NR	77	75
27	61	60	55	54	48	47	50	49	53	52	54	52	62	61	72	69	74	73	NR	NR	NR	NR	76	75
28	61	61	54	53	48	47	49	49	55	53	54	51	62	61	71	69	75	73	NR	NR	NR	NR	75	73
29	61	60	54	53	48	46	49	48			NR	NR	64	61	72	69	77	74	NR	NR	NR	NR	74	72
30	61	60	54	52	46	46	48	48			NR	NR	65	62	73	71	76	74	NR	NR	NR	NR	74	71
31	61	60			47	45	48	47			NR	NR			74	71			NR	NR	NR	NR		
Max	71		NR		54		50		55		NR		NR		74		NR		NR		NR		NR	
Min	60		NR		45		45		47		NR		NR		62		NR		NR		NR		NR	
Avg	66		NR		51		48		50		NR		NR		67		NR		NR		NR		NR	

B9 D 759.8 125.1 SAN JOAQUIN RIVER AT RINDGE PUMP
(October 1, 1974 through September 30, 1975)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	70	68			NR	NR	44	42	45	45	53	52	53	52	64	61	73	71	73	71	79	78	75	74
2	69	69			NR	NR	44	42	46	45	55	52	55	53	65	62	72	71	73	71	80	78	75	74
3	69	68			NR	NR	44	43	47	46	55	53	55	54	64	61	72	71	73	71	80	78	75	74
4	69	68			52	51	44	43	47	46	55	54	55	54	62	60	72	71	72	72	80	79	75	74
5	69	68			52	51	43	43	47	47	55	55	55	54	62	61	72	71	73	71	79	78	76	75
6	68	67			52	51	44	43	48	47	55	55	54	54	63	61	72	71	74	72	79	78	76	75
7	68	66			52	51	45	44	49	48	55	55	54	54	63	62	71	71	74	72	79	77	75	75
8	68	66			52	51	46	45	52	49	56	55	54	54	64	63	74	71	74	73	78	77	75	75
9	67	66			51	51	45	45	52	51	56	55	55	54	64	63	73	71	75	73	79	77	75	74
10	67	66	N		51	51	45	45	52	52	55	55	56	55	66	64	73	71	76	74	79	78	75	74
11	67	66	O		50	50	46	45	53	52	55	54	56	55	68	64	73	71	77	74	79	78	74	74
12	67	65			50	50	47	46	53	53	54	54	58	56	68	64	73	71	78	75	78	78	75	73
13	67	65			50	50	47	47	53	53	54	54	60	57	70	67	74	71	77	75	78	77	75	73
14	67	66			50	50	47	47	53	52	54	53	58	58	70	67	74	71	77	75	77	76	74	73
15	68	66	R		50	50	47	47	52	51	53	52	58	57	69	67	74	71	76	75	77	76	74	73
16	67	66	E		50	50	47	47	51	50	52	52	58	57	69	67	74	72	76	74	77	76	74	73
17	68	66			50	50	47	47	50	49	52	52	59	58	71	68	73	71	77	75	76	76	74	73
18	68	67	C		50	50	47	47	49	49	53	52	59	58	72	69	71	70	76	75	76	75	73	73
19	67	66			50	49	47	47	49	49	53	52	61	58	71	69	70	69	77	75	75	74	73	73
20	67	66	O		50	49	47	47	49	48	53	52	61	59	69	66	69	68	77	76	75	74	73	73
21	67	65	R		49	49	47	47	48	47	53	52	61	59	67	66	69	69	77	76	75	75	73	73
22	66	64			49	48	47	47	48	47	52	52	61	59	68	67	71	69	79	76	76	75	73	73
23	65	64	O		48	45	47	47	48	47	52	51	60	60	69	68	70	69	79	77	77	75	74	73
24	64	63			47	46	47	47	48	48	53	52	60	60	71	68	69	69	79	77	77	76	74	73
25	64	63			47	46	47	47	49	48	53	53	60	59	72	68	71	68	81	78	77	77	74	74
26	63	62			46	45	47	47	50	49	53	51	60	59	73	69	71	69	82	79	77	77	74	74
27	62	61			46	45	47	46	52	50	51	51	61	59	73	69	72	69	80	79	77	76	74	73
28	62	61			45	45	46	45	53	51	51	50	61	60	72	69	74	70	80	79	76	75	74	73
29	61	60			45	44	46	46			52	50	63	60	73	70	74	71	80	79	76	75	73	72
30	60	60			44	43	47	45			54	51	64	61	73	71	73	71	79	77	76	74	73	72
31	NR	NR			43	42	47	45			54	52			74	71			79	78	76	74		
Max	NR		NR		NR		47		53		56		64		74		74		82		80		76	
Min	NR		NR		NR		42		45		50		52		60		68		71		74		72	
Avg	NR		NR		NR		46		49		53		57		67		71		76		77		74	

NR - No record

TABLE D-7 (Cont.)

DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

B9 D 814.5 130.8 SACRAMENTO RIVER AT WALNUT GROVE
(October 1, 1974 through September 30, 1975)

(In Degrees Fahrenheit)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	65	65	59	59	53	53	47	46	47	47	51	50	52	51	57	56	65	65	67	66	73	73	69	69
2	65	65	59	58	53	53	47	46	47	47	52	51	52	52	57	56	65	65	67	67	73	73	69	68
3	65	65	58	58	53	53	46	46	47	46	52	52	52	52	57	57	65	65	67	67	73	73	68	68
4	65	65	58	57	53	53	46	46	46	46	53	52	53	52	57	57	65	65	67	67	73	71	68	68
5	65	64	57	57	53	53	46	46	47	46	53	53	53	53	57	57	65	65	67	66	72	72	69	68
6	64	64	57	57	53	52	46	46	47	47	53	53	53	53	57	57	65	65	67	66	72	71	69	69
7	64	63	57	57	52	52	46	46	47	47	53	53	53	52	57	57	65	65	67	67	71	71	69	69
8	63	63	57	57	52	52	47	46	47	47	53	53	52	52	57	57	65	65	68	67	71	71	69	69
9	63	63	57	56	52	52	48	47	48	47	53	53	52	52	57	57	65	65	69	68	71	70	69	69
10	63	62	56	56	52	52	48	48	49	48	53	53	52	52	57	57	66	65	70	69	71	70	69	69
11	63	62	56	56	52	52	48	48	50	49	53	53	52	52	58	57	66	66	70	70	71	71	69	69
12	62	62	56	56	52	52	48	48	50	50	53	53	53	52	58	57	66	65	71	70	71	71	69	69
13	62	62	56	56	52	52	48	48	50	50	53	53	54	53	58	58	65	65	71	71	71	71	69	68
14	62	62	56	56	52	52	48	48	50	50	53	53	54	54	59	58	66	65	71	71	71	71	68	68
15	62	62	56	56	52	51	48	48	50	50	53	53	55	54	59	59	66	66	71	71	71	70	68	68
16	62	62	56	56	51	51	48	48	50	50	53	52	55	55	59	59	66	66	71	71	70	70	68	68
17	62	62	56	56	51	51	48	48	50	50	52	52	55	55	60	59	66	66	71	71	70	70	68	68
18	63	62	56	56	51	51	48	48	50	49	52	52	55	55	60	60	66	66	71	71	70	70	68	68
19	63	62	56	56	51	51	48	48	49	49	52	52	55	54	60	60	66	66	71	70	70	69	68	68
20	62	62	56	56	51	51	48	48	49	49	52	52	54	54	61	60	66	66	71	70	69	69	68	68
21	62	61	56	56	51	51	48	48	49	49	52	52	55	54	61	60	66	65	70	70	69	69	68	68
22	62	61	56	55	51	51	48	48	49	49	52	52	55	55	60	60	65	65	71	70	69	69	68	68
23	61	61	55	55	51	50	48	48	49	48	52	52	56	55	60	60	65	65	71	71	69	69	68	68
24	61	60	55	54	50	49	49	48	49	48	52	52	56	56	60	60	65	65	72	71	70	69	68	68
25	60	59	54	54	49	49	49	48	49	48	52	52	56	56	61	60	65	65	73	72	71	70	69	68
26	59	59	54	54	49	48	49	49	49	49	52	52	56	56	61	61	65	65	74	73	71	71	69	69
27	59	59	54	54	48	48	49	49	49	49	52	51	56	55	62	61	65	65	75	74	71	71	69	69
28	59	59	54	53	48	48	49	49	50	49	51	51	56	55	63	62	66	65	75	75	71	70	69	68
29	59	59	53	53	48	47	49	49			51	51	56	55	64	63	66	66	75	75	70	70	68	67
30	59	59	53	53	47	47	49	48			51	51	56	56	64	64	66	66	75	74	70	69	67	67
31	59	59			47	47	48	47			51	51			65	64			74	73	69	69		
Max	65		59		53		49		50		53		56		65		66		75		73		69	
Min	59		53		47		46		46		50		51		56		65		66		69		67	
Avg	62		56		51		48		49		52		54		59		65		70		71		68	

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
Max																								
Min																								
Avg																								

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

AO 2170.00 SACRAMENTO RIVER AT FREMONT WEIR, WEST END

(October 1, 1974 through September 30, 1975)

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	NR	NR	NR	135	135	135	165	140	145	195	170	185	235	205	220	180	170	175
2	NR	NR	NR	160	130	145	NR	NR	NR	195	170	185	255	235	245	175	175	175
3	NR	NR	NR	145	135	140	NR	NR	NR	180	175	180	245	145	195	180	160	170
4	NR	NR	NR	130	125	130	NR	NR	NR	185	170	180	145	130	140	170	155	165
5	NR	NR	NR	135	130	130	NR	NR	NR	225	170	190	150	125	140	165	160	165
5	NR	NR	NR	140	135	140	NR	NR	NR	220	175	190	160	140	155	205	165	185
7	NR	NR	NR	140	135	140	140	120	125	180	165	175	170	155	165	190	165	180
8	NR	NR	NR	200	140	155	160	130	140	175	145	165	165	150	160	225	155	180
9	NR	NR	NR	145	140	140	175	155	165	190	120	145	150	145	145	165	135	150
10	NR	NR	NR	140	135	135	165	160	165	135	120	130	145	135	140	135	130	135
11	NR	NR	NR	135	130	135	170	165	170	145	105	125	135	130	135	145	135	140
12	NR	NR	NR	140	130	135	170	170	170	220	145	180	140	135	140	145	140	140
13	NR	NR	NR	135	125	130	190	165	175	185	155	170	145	135	140	150	140	145
14	NR	NR	NR	135	125	130	165	160	165	170	155	160	145	135	140	155	150	150
15	NR	NR	NR	135	120	125	165	160	160	180	155	170	135	130	130	155	150	150
16	NR	NR	NR	160	135	145	160	150	155	240	170	195	145	130	140	155	150	155
17	NR	NR	NR	135	125	130	185	155	170	190	180	185	145	140	140	160	155	155
18	NR	NR	NR	135	115	125	155	140	155	240	185	205	150	145	150	160	155	155
19	135	125	130	130	125	130	155	150	150	200	190	195	150	145	150	160	135	145
20	180	135	155	135	125	130	170	145	155	280	200	235	145	140	140	150	110	125
21	140	135	140	145	125	135	170	145	155	270	255	260	155	145	150	130	100	115
22	140	135	140	140	135	135	165	155	160	255	230	245	155	125	140	135	105	120
23	145	130	135	135	135	135	205	145	170	265	230	245	170	130	160	140	120	130
24	130	125	130	135	135	135	155	155	155	230	220	225	170	150	160	125	115	120
25	145	130	140	135	135	135	165	155	160	220	220	220	155	140	145	145	120	130
26	140	135	135	135	135	135	160	150	155	220	220	220	165	140	160	155	125	140
27	140	135	135	135	135	135	170	145	155	220	190	205	170	150	160	145	110	125
28	155	135	145	135	135	135	185	150	175	185	180	180	165	150	160	135	110	125
29	150	140	145	140	135	140	205	135	175	225	185	200				150	125	140
30	140	140	140	140	140	140	155	110	130	185	185	185				160	135	145
31	140	135	135				225	160	185	210	180	190				155	140	150

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	165	145	155	155	125	140	165	145	155	NR	NR	NR	NR	NR	NR	205	205	205
2	175	155	165	150	125	140	150	135	145	NR	NR	NR	NR	NR	NR	210	200	205
3	180	155	170	150	125	135	160	135	145	NR	NR	NR	NR	NR	NR	215	205	210
4	NR	NR	NR	145	125	135	160	140	150	NR	NR	NR	NR	NR	NR	205	200	200
5	NR	NR	NR	140	130	135	170	150	160	NR	NR	NR	NR	NR	NR	205	200	205
6	NR	NR	NR	140	130	135	160	135	150	NR	NR	NR	NR	NR	NR	215	210	210
7	NR	NR	NR	140	130	135	160	140	150	NR	NR	NR	NR	NR	NR	230	215	225
8	NR	NR	NR	140	135	135	140	130	135	NR	NR	NR	NR	NR	NR	235	230	230
9	NR	NR	NR	140	130	135	140	125	135	NR	NR	NR	NR	NR	NR	240	235	235
10	NR	NR	NR	140	130	135	135	130	130	NR	NR	NR	NR	NR	NR	240	230	235
11	NR	NR	NR	145	130	140	140	130	135	NR	NR	NR	NR	NR	NR	235	225	230
12	NR	NR	NR	145	130	135	135	125	130	NR	NR	NR	NR	NR	NR	245	220	230
13	NR	NR	NR	145	135	140	135	125	130	NR	NR	NR	NR	NR	NR	245	215	225
14	NR	NR	NR	145	130	140	135	125	130	NR	NR	NR	NR	NR	NR	235	205	225
15	NR	NR	NR	150	130	140	150	130	140	NR	NR	NR	NR	NR	NR	230	210	220
16	150	135	140	140	130	135	135	130	135	NR	NR	NR	NR	NR	NR	220	205	215
17	155	130	140	145	130	135	135	130	135	200	175	185	NR	NR	NR	235	200	220
18	170	145	160	140	135	135	150	130	140	200	175	185	NR	NR	NR	230	200	215
19	175	155	165	145	135	140	150	140	145	NR	NR	NR	NR	NR	NR	220	200	210
20	175	155	165	150	135	145	160	150	155	NR	NR	NR	NR	NR	NR	210	200	205
21	165	150	155	145	140	140	205	150	175	NR	NR	NR	215	200	210	195	190	195
22	NR	NR	NR	160	145	155	180	170	175	NR	NR	NR	215	195	205	NR	NR	NR
23	NR	NR	NR	170	155	165	180	180	180	NR	NR	NR	215	200	210	NR	NR	NR
24	NR	NR	NR	175	165	170	185	170	175	NR	NR	NR	210	205	205	NR	NR	NR
25	NR	NR	NR	180	170	175	170	150	160	NR	NR	NR	210	200	205	NR	NR	NR
26	145	130	140	175	170	175	170	155	160	NR	NR	NR	210	200	205	NR	NR	NR
27	135	125	130	180	170	175	180	160	170	NR	NR	NR	210	195	200	NR	NR	NR
28	130	120	125	180	160	170	180	165	175	NR	NR	NR	205	195	200	NR	NR	NR
29	150	120	135	175	160	170	180	170	175	NR	NR	NR	210	200	205	NR	NR	NR
30	150	125	135	175	145	160	180	170	175	NR	NR	NR	205	200	200	NR	NR	NR
31				165	150	160				NR	NR	NR	210	205	205			

NR - No Record

TABLE D-8 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

AO 2947.10 COLUSA BASIN DRAIN NEAR KNIGHTS LANDING

(October 1, 1974 through September 30, 1975)

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	NR	NR	NR	NR	NR	NR	1055	1050	1052	1035	1015	1050	1260	1235	1247			
2	NR	NR	NR	NR	NR	NR	1050	1040	1045	1130	1080	1095	1235	675	955			
3	NR	NR	NR	NR	NR	NR	1040	780	1025	1130	1080	1090	1010	500	755			
4	NR	NR	NR	NR	NR	NR	1050	780	1025	1130	1100	1100	1025	1010	1017			
5	NR	NR	NR	NR	NR	NR	1020	975	1000	1125	1100	1110	1025	920	972			
6	NR	NR	NR	NR	NR	NR	1050	1020	1035	1175	1125	1150	970	865	893			
7	NR	NR	NR	NR	NR	NR	1085	1020	1050	1220	1175	1197	920	840	880			
8	NR	NR	NR	NR	NR	NR	1020	740	835	1250	1200	1230	980	920	950			
9	NR	NR	NR	NR	NR	NR	820	740	780	1250	1250	1250	1000	900	980			
10	NR	NR	NR	NR	NR	NR	855	820	837	1250	1250	1250	1000	980	990		N	
11	NR	NR	NR	NR	NR	NR	925	855	890	1270	1240	1255	980	960	975		O	
12	NR	NR	NR	NR	NR	NR	960	920	940	1335	1243	1290	980	650	875			
13	NR	NR	NR	NR	NR	NR	975	945	960	1375	1335	1355	800	700	770			
14	NR	NR	NR	NR	NR	NR	1020	945	982	1440	1375	1408	780	760	770			
15	NR	NR	NR	NR	NR	NR	1040	1000	1015	1465	1440	1452	780	760	770		R	
16	NR	NR	NR	NR	NR	NR	1060	1020	1040	1425	1360	1392	760	725	743		E	
17	NR	NR	NR	NR	NR	NR	1085	1065	1075	1360	1340	1350	730	725	728			
18	NR	NR	NR	NR	NR	NR	1090	1085	1087	1350	1340	1349	760	730	745		C	
19	NR	NR	NR	NR	NR	NR	1090	1065	1078	1350	1350	1350	760	740	750			
20	NR	NR	NR	910	900	905	1075	1065	1070	1450	1350	1375	740	700	720		O	
21	NR	NR	NR	900	900	900	1085	1075	1080	1475	1400	1432	700	690	698		R	
22	NR	NR	NR	950	920	938	1090	1085	1087	1475	1125	1300	685	680	683			
23	NR	NR	NR	NR	NR	NR	1140	1090	1115	1220	1125	1172	NR	NR	NR		D	
24	650	645	647	NR	NR	NR	1170	1140	1155	1225	1125	1175	NR	NR	NR			
25	NR	NR	NR	NR	NR	NR	1170	1155	1163	1180	1115	1147	NR	NR	NR			
26	NR	NR	NR	NR	NR	NR	1170	1150	1160	1240	1180	1210	NR	NR	NR			
27	NR	NR	NR	NR	NR	NR	1150	1110	1140	1260	1240	1250	NR	NR	NR			
28	NR	NR	NR	1070	1050	1060	1150	1130	1145	1260	1250	1255	NR	NR	NR			
29	NR	NR	NR	1070	1070	1070	1130	1110	1120	1260	1260	1260						
30	NR	NR	NR	1070	1050	1069	1140	1015	1090	1300	1260	1280						
31	NR	NR	NR				1015	1015	1015	1300	1260	1280						

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1				NR	NR	NR	860	840	850	735	725	730	710	700	703	535	530	532
2				NR	NR	NR	885	860	872	740	730	735	700	700	700	535	530	532
3				NR	NR	NR	960	860	910	760	740	750	700	690	698	538	530	534
4				NR	NR	NR	980	960	970	760	750	755	685	680	683	538	530	534
5				NR	NR	NR	980	970	975	770	760	765	680	680	680	540	538	539
6				NR	NR	NR	1000	970	980	755	740	748	680	680	680	538	530	534
7				NR	NR	NR	1000	960	980	740	700	720	680	675	679	540	530	535
8				NR	NR	NR	975	780	940	700	695	698	680	675	678	550	540	545
9				NR	NR	NR	950	780	900	700	690	695	680	662	671	560	550	555
10		N		NR	NR	NR	960	790	910	700	690	697	670	662	666	555	525	540
11		O		NR	NR	NR	790	205	440	705	700	702	670	662	666	525	490	513
12				NR	NR	NR	640	320	480	705	700	703	670	662	666	515	510	512
13				725	635	680	930	620	800	700	685	693	670	660	665	530	513	521
14				635	600	618	1005	930	980	695	625	690	670	660	665	530	525	527
15		R		615	600	608	NR	NR	NR	700	695	698	665	660	663	545	530	537
16		E		625	615	620	NR	NR	NR	700	685	695	665	660	662	555	545	550
17				615	555	585	NR	NR	NR	680	660	673	658	640	649	580	555	567
18		C		555	535	545	NR	NR	NR	660	628	645	640	640	640	600	580	590
19				550	535	543	NR	NR	NR	630	628	629	640	620	630	605	595	600
20		O		580	550	565	NR	NR	NR	630	630	630	620	580	600	605	600	602
21		R		600	580	590	1080	930	1000	NR	NR	NR	580	570	575	610	600	605
22				660	575	668	930	840	885	NR	NR	NR	575	570	573	608	600	604
23		D		690	645	667	840	780	810	NR	NR	NR	580	575	578	635	600	618
24				710	625	680	780	755	767	NR	NR	NR	590	580	585	645	635	640
25				690	620	685	755	740	748	NR	NR	NR	600	585	592	650	640	645
26				690	680	685	745	735	740	NR	NR	NR	600	565	583	665	650	655
27				725	690	708	760	745	753	NR	NR	NR	570	560	565	680	660	665
28				780	725	757	750	740	745	NR	NR	NR	580	570	575	660	660	660
29				805	780	792	745	720	732	700	700	700	570	550	560	670	660	665
30				835	805	820	735	690	713	700	700	700	550	540	545	700	658	679
31				840	835	837				710	700	702	540	535	539			

NR - No Record

TABLE D-8 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

AO 7140.10 AMERICAN RIVER AT SACRAMENTO WATER TREATMENT PLANT

(October 1, 1974 through September 30, 1975)

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	48	44	46	54	50	52	54	50	52	56	51	54	60	56	58	62	60	61
2	50	45	47	54	50	52	55	51	53	55	51	53	61	58	59	62	60	61
3	50	46	48	53	48	51	54	50	53	55	51	53	62	58	60	62	60	61
4	50	46	48	52	48	51	55	52	53	56	51	54	62	58	60	62	60	61
5	50	47	48	53	49	51	54	49	52	56	51	54	61	56	58	63	61	62
6	50	47	48	54	50	52	54	51	53	57	52	55	58	53	55	63	61	62
7	50	46	48	55	51	53	54	50	52	57	52	54	54	51	52	64	61	63
8	49	46	48	55	51	54	53	49	51	58	54	56	54	51	53	65	62	63
9	48	46	47	56	51	54	53	49	52	59	55	57	56	52	54	66	63	65
10	48	44	46	55	51	53	53	50	52	59	55	57	57	54	56	66	62	64
11	48	45	47	56	52	53	53	50	52	60	54	57	58	56	57	65	62	63
12	48	45	47	55	52	54	54	51	53	60	54	58	58	54	55	64	62	63
13	48	44	47	56	52	53	55	52	54	59	54	57	56	54	55	65	61	63
14	49	45	48	56	52	53	55	52	53	58	54	56	57	56	56	66	62	64
15	50	46	49	55	53	54	55	52	54	57	53	56	56	54	55	66	63	65
16	51	47	49	56	52	54	55	51	53	57	54	56	55	53	54	66	62	64
17	51	47	49	57	52	55	54	52	53	59	55	57	56	54	55	68	65	66
18	52	47	50	57	52	54	56	51	54	60	54	57	54	53	54	68	64	65
19	52	47	50	56	51	54	56	53	55	60	55	58	55	53	54	65	62	64
20	52	47	50	53	50	53	57	53	55	61	56	69	60	55	57	65	62	64
21	52	48	51	54	50	52	57	52	55	62	57	60	60	58	59	64	62	63
22	53	49	52	53	50	52	57	52	55	60	56	58	60	57	58	67	63	65
23	54	50	52	53	49	52	56	51	56	60	56	58	58	56	57	67	64	65
24	54	50	52	54	50	52	55	51	54	60	56	58	60	57	58	66	64	65
25	54	50	53	53	48	51	55	50	53	62	56	59	60	58	59	66	64	65
26	54	50	52	52	49	51	55	50	53	62	56	60	61	58	59	65	64	64
27	55	49	53	52	50	51	55	51	54	62	56	60	62	60	61	64	62	63
28	58	52	54	53	49	52	57	53	54	61	56	59	62	60	61	63	62	63
29	54	50	53	53	50	52	57	50	54	61	56	59				64	62	63
30	55	51	53	54	50	52	56	51	54	60	56	58				65	63	64
31	55	52	54				57	52	55	60	54	57				65	64	65

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	65	64	64	68	66	67	58	56	57	50	47	49	50	47	49	52	46	49
2	65	64	64	68	66	67	58	54	56	50	47	49	50	46	48	54	47	50
3	65	64	64	68	66	67	56	52	54	50	48	49	49	45	47	52	46	49
4	65	64	64	68	65	67	55	52	54	51	48	50	49	45	47	51	46	48
5	66	64	65	67	65	66	55	53	54	51	48	49	49	45	47	54	46	50
6	66	64	65	67	66	66	54	52	53	51	47	49	48	45	47	54	44	48
7	66	64	65	66	65	66	54	51	53	51	48	49	48	46	47	50	44	47
8	66	64	65	66	65	66	54	50	52	50	46	48	49	45	47	51	45	48
9	66	64	65	66	65	66	52	50	51	50	46	48	49	45	47	50	45	48
10	65	64	65	66	64	65	52	48	50	50	46	48	49	46	48	50	46	48
11	66	64	65	66	64	65	50	48	49	49	46	48	50	46	48	50	45	47
12	67	64	66	66	64	65	50	48	49	50	46	48	50	46	48	NR	NR	NR
13	68	65	67	66	64	65	50	48	49	50	46	48	49	46	48	NR	NR	NR
14	68	66	67	66	64	65	50	48	49	50	47	48	50	46	48	NR	NR	NR
15	68	66	67	65	63	64	51	48	49	50	47	48	50	46	48	NR	NR	NR
16	67	65	66	65	62	64	51	48	49	49	46	48	52	47	49	NR	NR	NR
17	67	65	66	65	63	64	51	48	49	49	47	48	52	46	50	50	44	47
18	68	66	67	64	62	63	50	48	49	49	47	48	54	48	51	50	44	47
19	68	66	67	64	61	63	50	48	49	50	46	48	53	47	50	49	44	47
20	68	66	67	63	60	61	50	48	49	50	46	48	51	47	49	50	44	47
21	68	66	67	62	60	61	50	48	49	50	47	49	51	47	49	50	44	47
22	68	66	67	62	60	61	51	48	50	50	46	49	51	46	49	50	45	48
23	68	66	67	61	58	60	51	48	50	49	46	48	51	46	49	50	44	47
24	68	66	67	60	58	59	51	48	50	49	46	48	51	46	49	49	44	47
25	68	66	67	60	58	59	50	47	49	49	46	48	52	46	49	49	44	47
26	68	66	67	59	57	58	50	47	49	50	46	48	51	46	49	48	44	46
27	68	66	67	59	57	58	50	48	49	50	46	48	51	47	49	50	44	47
28	68	66	67	59	57	58	50	47	48	50	47	49	51	46	49	50	44	47
29	68	66	67	59	57	58	50	46	48	50	48	49	51	46	48	50	45	47
30	68	66	67	59	57	58	50	46	48	50	47	49	51	46	49	50	45	48
31				58	56	57				50	47	49	51	46	49			

NR - No Record

TABLE D-8 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

A6 1265.00 SQUIRREL CREEK NEAR PENN VALLEY

(October 1, 1974 through September 30, 1975)

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	93	91	92	145	140	145	160	160	160	155	150	150	NR	NR	NR	160	155	155
2	94	92	93	150	145	150	165	160	165	155	150	155	67	47	56	155	150	150
3	95	93	94	155	150	150	165	120	155	160	155	160	70	40	59	155	150	155
4	96	95	95	155	150	155	145	125	135	165	160	165	96	70	89	160	155	160
5	96	96	96	155	150	150	155	145	150	165	165	165	105	88	96	160	155	160
6	98	96	97	155	150	150	170	155	165	165	60	90	115	105	110	155	145	150
7	99	98	99	155	135	150	175	170	175	100	59	80	120	115	115	145	74	95
8	100	99	100	150	145	150	170	165	165	93	49	69	115	60	89	95	62	78
9	100	98	99	150	150	150	165	160	165	130	93	115	72	41	55	120	95	110
10	105	99	100	155	150	150	160	160	160	150	130	140	86	46	66	130	120	125
11	100	100	100	155	150	155	165	160	160	150	150	150	110	86	100	140	130	135
12	100	98	98	155	150	155	165	160	160	160	155	155	115	33	87	145	140	145
13	99	96	97	160	150	155	165	155	160	165	160	160	70	36	48	145	130	140
14	98	96	97	160	155	155	160	155	155	165	165	165	88	70	78	135	105	125
15	98	96	97	160	150	155	160	155	160	165	165	165	105	88	97	125	72	115
16	96	94	95	150	145	150	160	155	155	165	165	165	115	105	110	105	60	84
17	100	96	99	150	150	150	165	155	160	170	165	165	120	115	120	125	105	115
18	105	100	100	155	150	155	165	160	165	170	170	170	125	120	125	130	125	125
19	105	105	105	160	155	155	160	160	160	175	170	170	125	81	110	130	70	110
20	105	105	105	160	155	160	165	155	160	170	170	170	110	84	100	120	92	110
21	105	105	105	160	135	150	165	160	160	175	170	170	120	110	115	125	43	105
22	105	105	105	155	140	150	165	155	160	175	175	175	130	120	125	98	50	78
23	110	105	105	160	155	155	160	155	160	175	175	175	135	130	135	115	98	110
24	110	110	110	160	155	160	165	160	160	180	175	180	140	135	135	115	43	100
25	125	110	115	170	140	150	165	160	165	180	180	180	140	140	140	82	40	60
26	120	115	120	145	135	140	165	160	160	180	180	180	145	140	145	105	82	96
27	120	115	120	150	145	145	160	85	150	180	175	180	150	145	150	115	105	115
28	135	115	125	170	150	160	110	73	96	175	175	175	155	150	150	120	115	115
29	130	120	125	170	165	165	135	96	120	175	170	175				125	120	125
30	130	130	130	165	160	160	145	135	140	175	170	175				130	125	130
31	145	125	135				150	145	150	NR	NR	NR				130	130	130

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	135	130	135	145	140	140	135	130	135	115	110	110	94	90	92	96	95	95
2	135	135	135	145	135	140	130	115	120	110	105	110	91	88	90	95	94	94
3	140	135	140	140	135	140	120	115	120	105	105	105	91	89	90	97	95	96
4	140	110	130	140	135	135	120	120	120	110	105	105	94	91	92	98	95	97
5	110	68	84	140	135	140	125	120	125	105	105	105	96	94	95	99	97	98
6	90	71	82	140	135	140	125	120	125	110	105	105	96	94	95	100	99	99
7	96	80	88	145	140	145	120	115	120	110	105	110	95	91	93	100	99	99
8	99	82	93	150	145	145	120	115	120	110	105	105	92	89	90	99	97	98
9	110	86	105	145	135	140	120	110	115	105	105	105	90	87	89	98	97	98
10	120	105	115	140	135	140	115	110	115	110	105	105	93	89	91	98	95	96
11	135	120	130	140	140	140	115	110	110	110	105	105	93	92	92	96	95	95
12	140	135	140	140	130	135	110	110	110	105	105	105	95	92	94	95	94	94
13	145	140	140	135	130	135	115	110	115	105	105	105	96	94	95	94	92	93
14	145	140	145	135	130	130	115	110	115	110	105	105	96	95	96	93	90	92
15	140	140	140	135	130	135	110	105	110	110	105	110	97	95	96	93	89	91
16	140	140	140	135	125	130	110	105	105	110	105	105	97	96	96	95	92	94
17	145	135	140	125	125	125	105	105	105	105	100	105	97	95	96	98	94	96
18	140	135	135	125	125	125	105	100	105	110	100	100	99	95	97	99	93	96
19	140	135	140	130	120	125	105	100	100	110	110	110	101	99	100	93	91	92
20	145	140	140	120	120	120	105	105	105	115	110	110	101	96	98	94	91	93
21	145	140	145	120	120	120	105	105	105	120	115	115	96	92	94	94	92	93
22	150	140	145	125	120	120	110	105	110	115	115	115	96	94	95	94	90	92
23	145	140	145	130	125	125	110	105	110	115	115	115	96	95	95	93	91	92
24	145	105	135	135	130	130	115	110	110	115	110	115	97	95	96	94	91	93
25	130	105	120	140	135	135	110	105	105	115	110	110	99	96	98	94	92	93
26	140	130	135	135	125	130	110	105	110	115	110	110	99	98	98	93	91	92
27	140	135	140	130	130	130	120	110	115	110	105	105	99	97	98	93	91	92
28	140	135	140	135	135	135	120	115	115	105	99	100	99	98	98	93	85	90
29	140	135	140	135	130	130	120	115	115	100	97	98	99	97	98	98	93	95
30	140	140	140	140	135	135	115	110	115	98	94	96	97	95	96	92	89	90
31				140	135	140				94	92	93	97	94	96			

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

A8 1120.00 CACHE CREEK NEAR CAPAY

(October 1, 1974 through September 30, 1975

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	430	420	420	640	620	630	850	850	850	1,180	1,110	1,140	1,050	900	1,010	690	680	685
2	440	430	440	650	640	640	850	850	850	1,110	1,050	1,080	900	440	570	700	690	695
3	450	440	450	680	650	670	850	810	830	1,050	1,050	1,050	580	420	510	715	700	705
4	460	450	460	700	680	690	1,040	850	940	1,050	1,050	1,050	600	500	550	740	715	730
5	470	460	460	700	700	700	1,150	900	1,040	1,050	1,050	1,050	555	495	520	740	740	740
6	470	470	470	720	700	710	990	910	960	1,060	1,050	1,050	650	555	600	740	730	735
7	480	470	470	720	720	720	1,070	980	1,020	1,060	1,060	1,060	700	470	610	830	275	610
8	480	480	480	720	720	720	1,070	1,000	1,050	1,250	1,060	1,190	470	350	420	370	250	310
9	480	480	480	730	720	720	1,000	950	980	1,250	1,140	1,180	350	265	300	430	370	400
10	480	480	480	740	730	730	960	940	950	1,250	1,060	1,150	360	290	320	470	380	450
11	480	480	480	750	740	750	940	930	940	1,060	1,050	1,050	465	360	410	380	280	300
12	490	480	490	750	750	750	930	920	930	1,080	1,060	1,070	490	350	440	310	300	305
13	490	490	490	760	750	760	930	920	920	1,060	1,050	1,050	405	250	290	315	310	310
14	500	490	500	770	760	770	920	920	920	1,050	1,040	1,050	405	310	360	360	315	330
15	500	500	500	780	770	780	920	920	920	1,050	1,040	1,040	480	405	440	390	360	375
16	500	500	500	790	780	790	950	920	930	1,040	1,020	1,030	540	480	510	470	390	430
17	510	500	500	790	790	790	960	950	960	1,020	1,020	1,020	580	540	560	480	310	440
18	520	510	520	800	790	790	960	950	960	1,030	1,020	1,020	620	580	600	390	265	315
19	520	520	520	810	800	800	950	940	940	1,040	1,030	1,030	660	620	640	300	275	290
20	550	520	540	810	810	810	940	930	930	1,050	1,040	1,050	650	510	580	310	295	300
21	560	550	560	810	810	810	950	930	930	1,070	1,050	1,060	510	500	500	310	255	295
22	560	560	560	820	810	820	1,000	950	980	1,070	1,060	1,070	540	510	530	300	210	260
23	560	560	560	830	820	820	1,000	1,000	1,000	1,060	1,050	1,060	580	540	560	320	300	310
24	560	560	560	840	830	840	1,040	1,000	1,020	1,050	1,050	1,050	610	580	600	320	320	320
25	560	560	560	840	840	840	1,040	1,040	1,040	1,050	1,050	1,050	640	610	625	320	280	300
26	570	560	570	840	840	840	1,040	1,040	1,040	1,060	1,050	1,050	660	630	645	300	280	290
27	570	570	570	840	840	840	1,040	1,010	1,030	1,060	1,060	1,060	660	660	660	300	300	300
28	580	570	570	850	840	850	1,070	980	1,020	1,070	1,060	1,070	680	660	670	300	280	280
29	590	580	590	850	850	850	1,110	1,060	1,100	1,070	1,070	1,070				305	300	300
30	600	590	600	850	850	850	1,140	1,110	1,120	1,070	1,060	1,070				310	305	305
31	620	600	610				1,210	1,100	1,180	1,060	1,050	1,060				310	310	310

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	300	295	295	515	430	480	310	310	310	300	175	280	300	285	290	NR	NR	NR
2	295	295	295	460	450	455	310	310	310	300	250	290	300	285	290	NR	NR	NR
3	295	295	295	450	420	430	320	310	310	425	175	300	305	290	300	NR	NR	NR
4	300	295	295	420	420	420	310	310	310	325	200	305	340	300	310	NR	NR	NR
5	300	300	300	420	420	420	320	310	310	325	315	320	340	290	310	NR	NR	NR
6	300	300	300	420	420	420	320	310	320	330	315	325	310	295	300	NR	NR	NR
7	300	300	300	420	410	420	320	320	320	335	325	330	NR	NR	NR	NR	NR	NR
8	300	300	300	410	390	400	320	300	310	325	310	315	NR	NR	NR	NR	NR	NR
9	335	300	310	390	390	390	300	290	295	315	295	310	NR	NR	NR	NR	NR	NR
10	540	335	460	390	380	380	290	290	290	310	300	305	NR	NR	NR	NR	NR	NR
11	655	540	610	380	380	380	290	290	290	310	295	305	NR	NR	NR	NR	NR	NR
12	680	655	670	380	370	370	NR	NR	NR	310	290	300	NR	NR	NR	NR	NR	NR
13	700	680	690	370	370	370	NR	NR	NR	310	290	300	NR	NR	NR	NR	NR	NR
14	710	700	710	370	370	370	NR	NR	NR	305	295	300	NR	NR	NR	NR	NR	NR
15	720	710	710	370	370	370	NR	NR	NR	310	270	285	NR	NR	NR	NR	NR	NR
16	730	720	720	370	370	370	NR	NR	NR	295	280	290	NR	NR	NR	NR	NR	NR
17	730	450	660	370	360	360	NR	NR	NR	300	295	300	NR	NR	NR	NR	NR	NR
18	450	350	390	360	350	350	NR	NR	NR	320	300	310	NR	NR	NR	NR	NR	NR
19	350	340	345	350	350	350	NR	NR	NR	320	300	310	NR	NR	NR	NR	NR	NR
20	550	350	460	350	350	350	NR	NR	NR	320	300	310	NR	NR	NR	NR	NR	NR
21	680	550	640	355	350	355	NR	NR	NR	320	295	300	NR	NR	NR	NR	NR	NR
22	720	680	700	355	355	355	NR	NR	NR	305	285	295	NR	NR	NR	NR	NR	NR
23	750	720	735	355	350	355	NR	NR	NR	300	285	295	NR	NR	NR	NR	NR	NR
24	760	750	750	350	350	350	NR	NR	NR	300	285	295	NR	NR	NR	NR	NR	NR
25	750	670	710	350	350	350	NR	NR	NR	300	280	290	NR	NR	NR	NR	NR	NR
26	670	600	650	360	350	355	NR	NR	NR	295	280	290	NR	NR	NR	500	365	380
27	600	590	600	360	360	360	305	295	300	300	280	290	NR	NR	NR	385	370	380
28	590	560	570	360	350	350	310	290	300	300	285	290	NR	NR	NR	445	245	380
29	570	540	560	350	320	335	305	290	300	300	285	290	NR	NR	NR	455	365	380
30	540	500	520	320	310	315	305	290	295	305	285	290	NR	NR	NR	390	270	370
31				310	310	310				300	290	290	NR	NR	NR			

NR - No Record

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

BO 2105.00 MOKELUMNE RIVER AT WOODBRIDGE

(October 1, 1974 through September 30, 1975)

In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	46	46	46	43	43	43	41	41	41	NR	NR	NR	46	46	46	46	45	45
2	46	46	46	43	43	43	41	41	41	43	43	43	46	46	46	45	45	45
3	46	46	46	43	43	43	41	41	41	43	43	43	46	46	46	45	45	45
4	46	46	46	43	43	43	41	41	41	43	43	43	46	46	46	45	44	44
5	46	46	46	43	43	43	41	41	41	43	43	43	48	46	46	46	45	45
6	46	46	46	43	42	42	41	41	41	43	43	43	53	48	51	46	46	46
7	46	46	46	42	42	42	41	41	41	43	43	43	53	49	51	46	46	46
8	46	45	45	42	42	42	41	41	41	43	43	43	49	48	48	46	46	46
9	45	45	45	42	42	42	41	41	41	43	43	43	48	46	47	46	46	46
10	45	45	45	42	42	42	42	41	41	43	43	43	69	44	55	46	46	46
11	45	45	45	42	42	42	42	42	42	43	43	43	78	69	74	46	45	45
12	45	45	45	42	42	42	42	42	42	43	43	43	78	73	76	45	45	45
13	45	45	45	42	42	42	42	42	42	43	43	43	73	58	66	45	43	44
14	45	45	45	42	42	42	42	42	42	43	43	43	58	53	54	43	43	43
15	45	44	44	42	42	42	42	42	42	43	43	43	71	53	59	45	43	43
16	44	44	44	42	42	42	42	42	42	43	43	43	73	66	71	57	43	50
17	44	44	44	42	42	42	42	42	42	43	43	43	66	51	56	44	44	44
18	44	44	44	42	42	42	NR	NR	NR	43	43	43	51	47	49	44	41	43
19	44	44	44	42	42	42	NR	NR	NR	43	43	43	47	46	46	41	41	41
20	44	44	44	42	42	42	NR	NR	NR	43	43	43	46	45	46	41	41	41
21	44	44	44	42	42	42	NR	NR	NR	43	43	43	45	45	45	41	41	41
22	44	44	44	42	41	41	NR	NR	NR	43	43	43	45	45	45	41	41	41
23	44	44	44	41	41	41	NR	NR	NR	43	43	43	46	45	45	42	41	42
24	44	44	44	41	41	41	NR	NR	NR	43	43	43	46	46	46		42	42
25	44	43	43	41	41	41	NR	NR	NR	43	43	43	46	46	46	42	42	42
26	43	43	43	41	41	41	NR	NR	NR	46	43	46	46	46	46	42	42	42
27	43	43	43	41	41	41	NR	NR	NR	46	46	46	46	45	46	42	42	42
28	43	43	43	41	41	41	NR	NR	NR	46	46	46	45	45	45	42	42	42
29	43	43	43	41	41	41	NR	NR	NR	46	46	46				42	42	42
30	43	43	43	41	41	41	NR	NR	NR	46	46	46				42	42	42
31	43	43	43				NR	NR	NR	46	46	46				42	42	42

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	42	42	42	46	46	46	48	48	48	48	48	48	47	47	47	45	45	45
2	42	42	42	46	46	46	48	48	48	48	47	47	47	47	47	45	45	45
3	42	42	42	46	46	46	48	48	48	47	47	47	47	47	47	45	45	45
4	43	42	42	46	46	46	48	47	47	47	47	47	47	47	47	45	45	45
5	43	43	43	46	46	46	47	47	47	47	46	47	47	47	47	45	45	45
6	43	43	43	46	46	46	47	47	47	46	46	46	47	47	47	46	45	46
7	43	43	43	46	46	46	47	47	47	46	46	46	47	47	47	46	46	46
8	45	43	43	46	46	46	47	47	47	46	46	46	47	47	47	46	46	46
9	45	45	45	46	46	46	47	47	47	46	46	46	47	47	47	46	46	46
10	45	45	45	46	46	46	47	47	47	46	46	46	47	47	47	47	46	46
11	45	45	45	46	46	46	47	47	47	46	46	46	47	47	47	47	47	47
12	45	45	45	46	46	46	47	47	47	46	46	46	47	47	47	47	47	47
13	45	45	45	46	46	46	47	47	47	46	46	46	47	46	46	47	47	47
14	46	45	46	46	46	46	48	47	47	46	46	46	46	46	46	47	47	47
15	46	46	46	46	46	46	48	48	48	46	46	46	46	46	46	47	47	47
16	46	46	46	46	46	46	48	48	48	46	46	46	46	46	46	47	47	47
17	46	46	46	46	46	46	48	48	48	46	46	46	46	46	46	47	47	47
18	46	46	46	46	46	46	48	48	48	46	46	46	46	46	46	47	47	47
19	46	46	46	46	46	46	49	48	48	46	46	46	46	46	46	47	46	46
20	46	46	46	47	46	47	49	49	49	46	46	46	46	46	46	46	46	46
21	46	46	46	47	47	47	49	49	49	46	46	46	46	46	46	46	46	46
22	46	46	46	47	47	47	49	49	49	46	46	46	46	45	45	46	46	46
23	46	46	46	47	47	47	49	49	49	46	46	46	45	45	45	46	46	46
24	46	46	46	48	47	47	49	49	49	46	46	46	45	45	45	46	46	46
25	46	46	46	48	48	48	49	49	49	46	46	46	45	45	45	46	46	46
26	46	46	46	48	48	48	49	49	49	46	46	46	45	44	44	46	46	46
27	46	46	46	48	48	48	49	49	49	46	46	46	44	44	44	46	46	46
28	46	46	46	48	48	48	49	48	48	46	46	46	44	44	44	46	46	46
29	46	46	46	48	48	48	48	48	48	46	46	46	44	44	44	46	46	46
30	46	46	46	48	48	48	48	48	48	46	46	46	45	44	44	46	46	46
31				48	48	48				47	46	46	45	45	45			

NR - No Record

TABLE D-8 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

BO 2580.00 STOCKTON DIVERTING CANAL AT STOCKTON

(October 1, 1974 through September 30, 1975)

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	210	200	205	270	250	255	220	220	220	200	195	195	420	205	235	200	200	200
2	210	200	205	260	240	250	230	220	225	200	195	200	270	195	210	200	200	200
3	210	205	210	245	235	240	240	220	220	205	195	200	275	155	190	860	200	220
4	215	210	215	260	245	255	250	225	230	210	205	210	370	185	200	370	200	220
5	220	210	215	255	240	245	225	225	225	215	205	210	220	160	180	810	205	270
6	220	210	215	240	225	235	225	225	225	220	210	215	180	170	175	255	205	210
7	220	220	220	225	220	220	225	225	225	220	215	220	275	175	190	430	205	225
8	215	200	210	220	210	215	245	225	235	395	220	315	235	165	185	320	120	160
9	215	205	210	210	210	210	250	245	245	385	280	335	205	145	170	180	120	155
10	220	205	210	215	210	215	255	250	250	280	235	250	170	120	145	190	180	185
11	220	205	210	255	215	220	260	255	255	230	215	220	180	125	160	190	190	190
12	215	215	215	265	215	220	260	260	260	215	210	215	235	135	145	190	190	190
13	220	215	215	215	215	215	265	260	265	215	210	210	190	125	145	200	145	180
14	225	215	220	630	215	230	265	265	265	210	210	210	150	140	155	155	115	135
15	230	205	215	280	220	225	265	265	265	220	210	215	155	150	155	175	145	165
16	230	205	215	220	220	220	265	260	260	225	220	220	165	155	160	180	160	170
17	245	230	235	220	220	220	260	255	255	225	225	225	175	165	170	185	170	180
18	250	245	250	225	220	225	255	255	255	225	225	225	190	175	185	190	185	185
19	250	250	250	220	220	220	260	255	255	225	225	225	580	190	230	190	190	190
20	265	250	260	220	220	220	255	250	250	225	225	225	200	190	200	190	175	190
21	NF	NF	NF	230	215	220	250	250	250	225	225	225	220	190	210	190	185	190
22	NF	NF	NF	235	220	225	245	245	245	225	225	225	230	205	225	185	150	165
23	260	255	255	220	220	220	245	240	240	225	220	220	205	195	200	190	155	180
24	300	255	275	225	220	225	235	230	230	225	220	225	195	195	195	185	175	185
25	290	220	250	225	225	225	230	225	225	225	225	225	195	195	195	185	155	170
26	220	215	220	225	220	225	215	215	215	235	220	225	200	195	200	185	180	185
27	225	215	220	220	220	220	215	215	215	270	235	255	205	200	200	185	185	185
28	310	225	245	220	220	220	215	210	215	240	230	235	205	200	200	185	185	185
29	300	235	250	225	220	220	215	210	210	230	225	230				185	185	185
30	240	225	235	225	220	220	205	205	205	225	200	200				190	185	190
31	250	235	245				205	205	205	NR	NR	NR				195	190	195

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	200	195	200	NR	NR	NR	215	215	215	205	190	195	210	180	195	195	185	190
2	200	200	200	320	220	240	215	210	210	210	190	200	195	180	190	440	190	220
3	205	200	205	235	230	235	225	215	220	205	185	195	195	185	190	205	195	200
4	400	205	230	230	220	225	220	220	220	205	195	200	190	185	190	205	195	200
5	280	215	225	230	220	225	215	210	215	210	195	200	195	190	195	205	185	195
6	225	215	220	230	220	230	205	205	205	210	190	200	205	195	200	205	195	200
7	270	205	210	760	230	355	200	200	200	205	200	200	205	195	200	205	200	205
8	285	205	215	285	230	245	190	185	190	205	195	200	200	185	190	205	195	200
9	220	215	215	245	230	240	185	180	185	200	185	195	190	180	185	205	185	195
10	240	215	215	250	215	235	820	185	250	200	195	195	185	175	180	190	180	185
11	215	205	210	240	195	220	195	190	190	200	185	190	195	165	190	195	185	190
12	210	210	210	250	210	235	195	185	190	190	190	190	550	190	220	205	195	200
13	215	210	215	610	225	255	195	195	195	195	185	190	195	185	190	205	195	200
14	320	215	220	225	205	210	200	190	195	580	185	195	195	190	190	200	185	190
15	485	215	225	205	190	200	200	195	200	185	180	180	200	190	195	205	195	200
16	225	215	220	205	190	195	195	195	195	605	175	195	215	200	205	210	200	205
17	220	215	215	205	190	200	195	190	190	175	175	175	215	200	205	215	210	215
18	225	220	220	200	195	200	190	190	190	175	170	170	1000+	205	NR	215	210	215
19	225	220	220	200	195	195	195	190	190	175	175	175	205	195	200	215	200	205
20	225	220	220	205	200	205	190	190	190	185	170	175	195	195	195	205	195	200
21	225	215	220	215	205	205	190	185	185	185	180	180	200	185	195	200	185	195
22	NF	NF	NF	205	195	200	190	180	185	185	180	180	205	190	195	435	185	220
23	NF	NF	NF	210	195	205	200	190	195	190	180	185	205	195	200	345	195	220
24	NF	NF	NF	215	205	210	200	195	195	190	180	185	215	195	205	210	185	200
25	NF	NF	NF	210	205	210	210	200	205	630	190	250	215	200	210	295	180	205
26	NF	NF	NF	230	205	210	210	205	210	195	185	190	210	200	205	195	180	190
27	NF	NF	NF	925	200	235	860	210	345	190	180	185	210	200	205	195	185	190
28	NF	NF	NF	210	205	205	930	210	435	190	180	185	210	180	195	200	185	190
29	NF	NF	NF	220	210	210	230	210	220	190	185	190	190	185	190	200	185	190
30	NF	NF	NF	225	220	220	210	200	205	185	180	185	190	180	185	295	190	210
31				220	220	220				345	185	215	190	180	185			

NF - No Flow
NR - No Record

TABLE D-8 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

B1 1150.00 COSUMNES RIVER AT MICHIGAN BAR

(October 1, 1974 through September 30, 1975)

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	81	77	79	79	71	74	82	82	82	113	109	111	94	87	90	80	76	78
2	82	77	80	83	74	77	84	82	83	109	107	109	108	81	95	76	70	73
3	82	77	80	81	74	77	107	82	91	111	107	109	113	96	105	70	68	69
4	82	77	80	81	76	78	114	90	104	110	107	109	119	93	110	68	67	68
5	81	77	80	80	77	78	90	74	79	110	101	104	110	105	108	74	68	70
6	82	77	80	94	77	81	76	73	75	116	99	105	113	111	112	78	72	74
7	82	76	80	98	77	82	80	76	78	128	102	111	119	113	115	74	63	70
8	81	76	79	91	80	84	85	80	82	120	95	106	117	111	114	64	57	61
9	81	76	78	93	88	85	87	85	85	95	85	88	111	59	79	66	62	64
10	78	76	77	90	80	84	89	87	88	90	85	87	75	63	69	69	66	67
11	79	75	77	84	80	82	92	89	91	93	90	92	84	75	79	71	69	70
12	78	75	76	83	81	82	95	92	93	94	93	93	93	84	86	71	71	71
13	81	75	77	85	81	83	96	95	96	95	94	95	94	83	91	84	70	76
14	81	67	77	86	82	84	96	94	95	96	95	96	86	84	85	94	84	90
15	83	76	79	86	82	83	94	91	92	96	96	96	86	84	85	100	94	95
16	85	80	82	84	84	84	93	92	93	96	96	96	87	86	86	101	86	92
17	85	72	84	84	84	84	95	93	94	96	94	95	87	86	87	92	92	92
18	85	72	79	95	84	90	95	94	94	94	94	94	89	87	88	92	92	92
19	78	74	77	96	94	95	94	92	93	94	94	94	110	89	97	92	90	91
20	78	76	77	95	89	92	94	92	93	94	92	93	104	84	93	90	82	84
21	76	75	75	89	89	89	94	92	94	93	91	92	84	84	84	92	77	81
22	76	74	75	96	82	90	94	94	94	91	89	90	85	83	84	92	76	81
23	77	74	75	82	78	79	94	92	93	90	88	89	86	85	85	86	84	85
24	78	73	75	78	75	76	92	89	91	88	87	88	86	86	86	92	86	89
25	77	73	75	77	75	76	93	89	91	88	87	88	86	86	86	89	52	62
26	77	72	74	78	77	77	98	92	95	88	87	88	86	86	86	62	58	60
27	100	72	78	78	76	77	97	94	96	88	86	87	86	83	84	62	61	62
28	75	73	74	79	77	78	112	96	101	86	85	85	83	80	81	62	61	62
29	78	71	74	90	79	80	112	102	108	85	85	85				62	62	62
30	73	71	72	82	80	81	112	102	107	87	85	86				64	62	63
31	74	70	71				109	107	108	88	86	87				64	62	63

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	62	60	61	50	49	50	32	32	32	48	48	48	60	60	60	65	63	64
2	62	60	61	50	48	49	32	32	32	48	48	48	60	60	60	66	64	65
3	62	62	62	48	46	47	32	32	32	48	48	48	60	59	60	68	63	65
4	85	62	68	47	46	46	33	32	33	49	48	48	60	59	60	66	62	64
5	88	77	81	46	46	46	33	33	33	49	48	48	60	59	60	66	64	65
6	78	78	78	47	46	46	33	33	33	49	48	48	60	60	60	68	64	65
7	80	78	79	47	47	47	34	32	33	49	48	48	62	60	60	70	64	66
8	82	80	81	47	46	47	33	32	33	50	49	49	62	60	61	71	67	69
9	80	78	79	46	44	45	34	33	34	50	49	50	62	61	61	74	66	69
10	78	77	77	44	41	42	35	34	34	50	50	50	64	61	62	74	68	71
11	77	77	77	41	40	40	35	35	35	50	50	50	64	64	64	74	68	71
12	77	74	75	40	38	39	35	35	35	51	50	50	64	63	64	74	69	71
13	74	73	74	38	36	37	36	35	35	52	51	51	64	63	63	72	67	70
14	74	71	73	36	34	35	36	36	36	53	52	52	64	62	63	70	67	69
15	74	68	71	35	33	34	36	36	36	54	53	53	64	62	63	72	62	68
16	68	68	68	36	35	35	37	36	36	54	52	53	64	62	63	74	60	68
17	68	68	68	36	35	36	38	37	37	56	53	54	65	63	64	72	61	67
18	68	67	67	35	33	34	39	38	38	55	55	55	70	64	67	76	63	70
19	68	68	68	33	32	33	40	39	39	56	54	55	70	65	67	78	65	73
20	68	68	68	34	33	33	41	40	40	55	55	55	66	62	63	79	62	71
21	68	66	67	36	34	35	42	41	42	56	55	56	62	58	60	76	62	69
22	66	61	64	38	36	37	43	42	42	57	56	56	59	58	59	76	61	70
23	61	60	60	38	37	37	44	43	44	57	56	56	61	59	60	78	60	70
24	66	59	63	37	36	36	44	44	44	57	57	57	63	61	61	76	57	68
25	64	50	54	36	34	35	44	44	44	57	56	57	63	62	62	76	58	68
26	50	50	50	35	34	34	45	44	44	57	56	56	62	62	62	74	57	65
27	50	50	50	34	34	34	46	45	46	57	57	57	64	62	63	65	46	57
28	50	50	50	34	33	34	46	46	46	58	57	58	64	62	63	63	46	56
29	50	50	50	34	32	32	47	46	46	60	58	59	64	62	63	61	45	54
30	50	49	49	34	32	33	48	47	48	60	60	60	64	63	63	62	45	54
31				32	32	32				61	60	60	66	63	64			

TABLE D-8 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

B9 D 747.1 118.4 SAN JOAQUIN RIVER AT MOSSDALE BRIDGE

(October 1, 1974 through September 30, 1975)

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	NR	NR	NR	NR	NR	NR	370	350	360	600	390	480	440	390	410	570	530	550
2	NR	NR	NR	NR	NR	NR	350	330	340	430	390	400	470	390	430	600	570	590
3	NR	NR	NR	NR	NR	NR	330	330	330	620	430	530	570	470	530	590	530	560
4	NR	NR	NR	NR	NR	NR	330	300	310	630	370	480	730	570	670	600	540	570
5	NR	NR	NR	NR	NR	NR	370	310	340	390	340	360	710	320	460	600	480	520
6	NR	NR	NR	NR	NR	NR	380	360	370	410	380	390	320	260	290	520	470	490
7	NR	NR	NR	NR	NR	NR	360	300	320	600	410	510	290	250	260	520	470	490
8	NR	NR	NR	NR	NR	NR	320	310	310	620	350	460	250	250	250	510	490	500
9	NR	NR	NR	NR	NR	NR	330	320	330	380	340	360	290	250	280	500	460	470
10	NR	NR	NR	NR	NR	NR	340	330	330	390	350	370	340	290	320	490	440	470
11	NR	NR	NR	NR	NR	NR	330	330	330	390	340	360	350	340	350	450	430	440
12	NR	NR	NR	NR	NR	NR	340	330	340	380	340	360	350	320	340	430	390	400
13	NR	NR	NR	420	410	420	360	340	350	380	330	360	330	280	310	400	380	390
14	NR	NR	NR	440	420	430	370	360	360	510	370	440	280	240	260	430	390	410
15	NR	NR	NR	430	420	420	380	370	380	510	310	390	270	240	250	430	380	410
16	NR	NR	NR	440	420	430	380	360	380	340	300	330	300	270	290	400	380	390
17	NR	NR	NR	420	400	410	390	380	380	350	310	320	320	300	310	380	360	370
18	NR	NR	NR	410	400	400	440	390	420	360	320	340	370	320	350	390	360	370
19	NR	NR	NR	400	400	400	450	440	450	370	320	340	400	370	380	400	380	390
20	NR	NR	NR	400	390	400	460	450	460	420	370	380	400	370	380	380	360	370
21	NR	NR	NR	430	400	410	460	450	460	620	420	530	390	370	380	370	350	360
22	470	470	470	440	430	430	460	440	450	630	390	480	390	380	380	380	360	360
23	470	390	440	430	430	430	550	460	520	420	380	400	400	360	380	380	350	360
24	390	330	360	440	430	430	610	550	590	420	370	400	430	400	420	390	350	370
25	330	320	330	430	400	420	610	520	580	450	400	420	490	430	460	390	350	370
26	330	320	320	400	380	390	520	440	490	470	420	440	490	400	430	350	320	330
27	330	310	320	380	360	370	590	450	520	520	470	490	450	400	420	330	310	320
28	340	330	330	360	360	360	600	410	500	730	520	630	530	450	480	320	310	310
29	350	320	340	370	360	360	420	380	400	730	430	540				310	300	310
30	NR	NR	NR	380	360	370	440	400	420	450	400	430				320	300	310
31	NR	NR	NR				600	430	520	450	390	420				330	310	320

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	380	330	350	690	640	670	320	260	300	680	640	670	700	640	680	675	590	630
2	400	380	380	700	680	690	260	230	240	730	600	700	730	690	710	620	590	605
3	460	400	420	750	690	720	230	190	210	770	700	730	740	705	725	620	585	605
4	510	460	480	740	510	650	190	180	190	790	735	760	770	675	730	620	580	600
5	540	510	530	510	440	480	210	180	190	750	690	725	770	710	745	640	590	610
6	540	530	540	450	430	440	220	210	210	760	690	730	765	720	745	615	550	585
7	540	500	530	450	430	440	210	190	200	730	660	700	750	705	730	550	440	495
8	500	480	490	440	400	420	200	180	190	710	670	690	720	675	695	550	440	495
9	490	390	430	430	400	410	210	200	200	740	650	690	705	650	685	440	380	395
10	400	380	390	420	400	400	200	160	180	720	650	680	710	650	680	420	400	410
11	390	370	380	470	410	440	180	160	170	730	700	720	665	650	660	430	420	425
12	380	360	370	460	430	440	200	180	190	810	730	750	660	640	650	NR	NR	NR
13	420	380	400	470	420	440	220	200	210	810	740	770	670	630	640	NR	NR	NR
14	440	420	430	470	390	420	220	170	200	810	710	740	680	660	670	NR	NR	NR
15	460	440	450	430	390	410	170	150	160	770	740	760	715	660	690	NR	NR	NR
16	510	460	480	420	390	400	170	160	170	840	760	800	720	685	705	NR	NR	NR
17	570	510	540	400	380	390	160	150	150	830	750	790	730	700	715	NR	NR	NR
18	590	570	580	380	360	370	150	150	150	850	760	790	710	620	670	NR	NR	NR
19	610	580	600	360	340	350	170	150	160	810	740	775	620	540	570	NR	NR	NR
20	620	580	600	340	340	340	250	170	210	770	720	740	540	460	500	430	410	420
21	580	520	550	340	320	330	360	210	290	760	690	720	495	455	475	410	390	400
22	540	520	520	330	320	320	430	360	400	820	670	720	525	495	515	420	410	410
23	590	540	570	340	320	330	480	430	460	860	780	820	530	520	525	420	400	410
24	590	580	580	350	330	340	520	480	500	780	755	765	525	510	520	410	390	400
25	630	590	610	350	310	340	530	510	520	760	690	730	525	505	515	390	380	380
26	640	620	630	330	320	320	570	530	550	690	650	670	595	525	560	380	370	380
27	660	620	640	320	300	310	600	570	590	705	675	695	640	595	620	NR	NR	NR
28	620	590	610	320	310	310	650	600	630	705	650	675	625	600	615	NR	NR	NR
29	600	590	600	330	320	320	650	620	640	725	665	705	630	620	625	NR	NR	NR
30	640	600	630	320	310	320	660	620	640	740	690	720	665	630	650	NR	NR	NR
31				330	310	320				720	665	690	680	650	670			

NR - No Record

TABLE D-8 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

89 D 757.8 121.9 STOCKTON SNIP CHANNEL AT BURNS CUTOFF

(October 1, 1974 through September 30, 1975)

(In Micromhos at 25° C)

Day	October			November			December			January			February			March		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	410	400	410	370	340	355	370	310	355	450	400	430	530	480	510	415	410	415
2	415	410	410	340	330	335	375	320	350	450	400	430	485	440	465	440	415	425
3	420	410	415	NR	NR	NR	380	340	360	500	450	470	440	430	435	490	440	460
4	415	405	410	NR	NR	NR	370	320	350	500	470	480	430	400	420	530	470	495
5	410	405	410	NR	NR	NR	350	310	330	480	460	470	490	420	450	530	510	520
6	430	410	420	NR	NR	NR	330	240	310	510	460	480	580	470	520	540	530	535
7	430	420	425	NR	NR	NR	360	280	325	490	460	480	560	350	430	555	520	540
8	430	420	425	NR	NR	NR	370	260	355	480	460	470	360	280	330	530	480	510
9	450	430	440	NR	NR	NR	340	300	320	490	470	480	280	260	270	480	270	390
10	460	440	450	NR	NR	NR	320	280	310	500	450	475	300	260	280	430	280	400
11	470	450	460	NR	NR	NR	340	300	320	480	430	460	295	270	280	400	360	380
12	480	460	475	NR	NR	NR	340	280	320	430	400	415	310	290	305	400	280	370
13	500	480	485	NR	NR	NR	330	270	320	400	380	390	315	290	305	410	330	370
14	530	490	510	NR	NR	NR	340	310	325	390	380	385	290	250	270	375	220	320
15	520	490	505	NR	NR	NR	350	310	330	390	380	385	250	220	235	350	230	310
16	490	450	470	NR	NR	NR	360	320	340	400	380	390	245	225	235	370	240	320
17	460	450	450	NR	NR	NR	370	280	350	450	400	430	270	240	255	340	240	300
18	480	455	465	NR	NR	NR	390	360	375	400	365	380	300	260	280	340	220	310
19	510	480	495	NR	NR	NR	390	310	370	370	350	360	350	300	320	330	220	280
20	520	500	510	410	340	390	415	360	390	360	350	355	365	340	350	360	240	320
21	500	485	490	400	350	375	440	400	420	365	355	360	380	365	375	360	260	310
22	510	490	500	410	310	380	450	390	425	375	365	365	370	360	365	340	220	300
23	530	505	520	400	360	390	450	390	430	470	370	410	370	340	355	310	210	270
24	525	515	520	420	370	390	450	380	420	480	410	450	370	310	350	300	205	250
25	520	465	500	425	310	380	460	380	420	450	420	440	375	325	360	320	180	250
26	480	390	430	430	300	400	490	390	330	420	405	410	405	360	380	330	210	270
27	395	365	380	420	310	390	490	400	440	410	400	405	435	400	415	270	180	230
28	365	355	360	420	370	390	510	420	460	425	410	420	430	405	420	280	180	230
29	365	355	360	400	340	380	510	450	475	450	425	430				NR	NR	NR
30	380	355	370	390	320	370	530	420	480	510	450	470				NR	NR	NR
31	390	360	375				490	400	450	570	505	530				NR	NR	NR

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	NR	NR	NR	530	515	525	NR	NR	NR	455	405	425	NR	NR	NR	NR	NR	NR
2	NR	NR	NR	570	520	530	NR	NR	NR	470	425	450	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	540	530	535	NR	NR	NR	485	440	470	NR	NR	NR	NR	NR	NR
4	NR	NR	NR	560	530	540	NR	NR	NR	485	435	460	NR	NR	NR	NR	NR	NR
5	395	360	375	560	535	540	NR	NR	NR	490	440	470	NR	NR	NR	NR	NR	NR
6	NR	NR	NR	580	550	565	NR	NR	NR	505	450	480	NR	NR	NR	NR	NR	NR
7	NR	NR	NR	575	520	555	NR	NR	NR	530	450	500	NR	NR	NR	NR	NR	NR
8	475	440	460	545	485	520	NR	NR	NR	520	465	495	NR	NR	NR	590	570	580
9	485	455	470	520	460	480	NR	NR	NR	NR	NR	NR	NR	NR	NR	600	575	585
10	470	465	465	475	450	465	NR	NR	NR	NR	NR	NR	NR	NR	NR	595	580	590
11	465	405	430	460	420	445	NR	NR	NR	NR	NR	NR	NR	NR	NR	605	585	595
12	415	375	395	445	425	435	NR	NR	NR	NR	NR	NR	NR	NR	NR	610	590	600
13	390	370	380	435	410	420	NR	NR	NR	NR	NR	NR	NR	NR	NR	610	590	600
14	375	355	365	425	415	415	NR	NR	NR	NR	NR	NR	NR	NR	NR	600	560	580
15	360	350	355	430	420	425	NR	NR	NR	NR	NR	NR	NR	NR	NR	585	535	565
16	390	350	370	450	410	425	NR	NR	NR	NR	NR	NR	NR	NR	NR	560	515	540
17	410	390	400	430	395	410	175	165	170	NR	NR	NR	NR	NR	NR	535	510	525
18	455	410	430	425	390	405	180	165	170	NR	NR	NR	NR	NR	NR	520	485	500
19	460	440	450	400	375	385	185	165	175	NR	NR	NR	NR	NR	NR	500	475	490
20	490	460	475	390	345	375	180	165	175	NR	NR	NR	NR	NR	NR	490	460	475
21	515	470	490	370	340	350	200	180	190	NR	NR	NR	NR	NR	NR	475	455	465
22	515	490	505	370	340	350	210	195	200	NR	NR	NR	NR	NR	NR	465	455	460
23	535	505	520	355	325	340	240	205	225	NR	NR	NR	NR	NR	NR	475	460	465
24	540	515	525	340	325	330	290	230	260	NR	NR	NR	NR	NR	NR	470	455	465
25	530	520	525	340	330	335	330	250	295	NR	NR	NR	NR	NR	NR	460	450	455
26	525	500	515	340	340	340	345	285	320	NR	NR	NR	NR	NR	NR	450	420	440
27	530	490	515	350	335	340	395	310	345	NR	NR	NR	NR	NR	NR	420	405	415
28	530	495	515	350	305	330	405	360	375	NR	NR	NR	NR	NR	NR	410	390	400
29	550	505	515	310	290	300	430	385	400	NR	NR	NR	NR	NR	NR	405	380	395
30	545	510	520	310	295	305	440	400	425	NR	NR	NR	NR	NR	NR	405	385	395
31				310	300	305				NR	NR	NR	NR	NR	NR			

NR - No Record

TABLE D-9

BIOLOGICAL ANALYSIS OF SURFACE WATER

Sampler and Lab Agency Codes

2163 - California Department of Water Resources for State Water Resources Control Board

5050 - California Department of Water Resources

5060 - California Department of Health

Abbreviations

TIME - Pacific Standard Time on a 24-hour clock

DEPTH - Depth in metres at which sample was collected

SAMP - Sampling Agency

LAB - Laboratory performing analysis

< - Less than indicated value

TABLE D-9

BIOLOGICAL ANALYSIS OF SURFACE WATER

STATION NUMBER	STATION NAME	DATE	TIME	DEPTH	SAMP	PHOTOSYNTHETIC			BACTERIA			
						CHLORO-PHYLL-a	PHEO-PHYTIN	LAB.	COLIFORM	FECAL COLIFORM	FECAL STREP	LAB.
						mg/l	mg/l		Most Probable No./100 ml			
AO 7140.10	AMERICAN RIVER AT SACRAMENTO WATER PL	08-19-74	0845		2163				23000	23	620	5060
		02-04-75	1020		2163				23000	4300	430	5060
		02-18-75	1030		2163				230	62	<4.5	5060
		03-04-75	0900		2163				620	62	4.6	5060
		03-18-75	0830		2163				620	23	230	5060
		04-08-75	0845		2163				620	6	62	5060
		04-22-75	0815		2163				620	4.5	6	5060
		05-06-75	0910		2163				62	23	6	5060
		05-20-75	0850		2163	0.0008		5050	230	4.6	62	5060
		06-10-75	0915		2163				2300	6	23	5060
		06-24-75	0900		2163	0.0007		5050	2300	230	23	5060
		07-08-75	0845		2163				620	62	23	5060
		07-22-75	0930		2163	0.0011	0.0000	5050	620	62	230	5060
		08-05-75	0900		2163				230	230	62	5060
		08-19-75	0915		2163	0.0003	0.0013	5050	6200	1300	13	5060
		09-02-75	0845		2163				620	23	<4.5	5060
		09-16-75	0900		2163	0.0020	0.0000	5050	490	50	13	5060
AO 7180.00	AMERICAN RIVER BELOW NIMBUS DAM	08-19-74	0945		2163				23000	23	21	5060
		02-04-75	0930		2163				7300	930	930	5060
		02-18-75	0930		2163				620	6	62	5060
		03-04-75	0830		2163				62	23	<4.5	5060
		03-18-75	0730		2163				62	62	23	5060
		04-08-75	0800		2163				62	23	23	5060
		04-22-75	0945		2163				230	6	<4.5	5060
		05-06-75	0820		2163				62	6	6	5060
		05-20-75	0800		2163	0.0008			620	<4.5	6	5060
		06-10-75	0815		2163				230	6	23	5060
		06-24-75	0800		2163	0.0006			62	23	<4.5	5060
		07-08-75	0800		2163				620	6	23	5060
		07-22-75	0800		2163	0.0007	0.0000	5050	23	6	6	5060
		08-05-75	0745		2163				62	6	6	5060
		08-19-75	0815		2163	0.0020	0.0016	5050	620	6	23	5060
		09-02-75	0800		2163				23	23	<4.5	5060
		09-16-75	0745		2163	0.0029	0.0000	5050	110	20	49	5060
B2 0180.01	JACKSON CREEK AT JAPUR ROAD BRIDGE	05-08-75	1340		2163				230	62		5060
B2 0185.01	JACKSON CREEK BL CITY OF JACKSON STP	05-08-75	0945		2163				2300	230		5060
B2 0190.20	JACKSON CREEK AB CITY OF JACKSON STP	05-08-75	0915		2163				23000	620		5060
B2 0190.55	JACKSON CREEK, NORTH FORK, IN JACKSON	05-08-75	1250		2163				2300	620		5060
B2 0190.70	JACKSON CREEK, SOUTH FORK, IN JACKSON	05-08-75	1040		2163				6200	23		5060
B2 0191.01	JACKSON CREEK ABOVE SF JACKSON CREEK	05-08-75	1100		2163				620	620		5060
B2 0193.01	JACKSON CREEK BELOW NEW YORK GULCH	05-08-75	1220		2163				1300	620		5060

Appendix E

GROUND WATER QUALITY DATA

This appendix presents ground water quality data collected during the period from October 1, 1974, through September 30, 1975. 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 1975 water year, 544 wells were sampled in 30 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", 14th Edition.

The Region and Basin and State Well Numbering Systems are described in Appendix C, "Ground Water Measurements", on page 239.

INDEX TO GROUND WATER QUALITY DATA
IN NORTHEASTERN CALIFORNIA

Number	Name	Page
	CENTRAL VALLEY REGION 5-00.00	
5- 1.00	Goose Lake Valley	385
5- 2.00	Alturas Basin	385
5- 4.00	Big Valley	385, 415
5- 5.00	Fall River Valley	386, 415
5- 6.00	Redding Basin	386
5- 7.00	Lake Almanor Valley	
5- 9.00	Indian Valley	
5-10.00	American Valley	
5-11.00	Mohawk Valley	
5-12.00	Sierra Valley	
5-13.00	Upper Lake Valley	387
5-14.00	Scotts Valley	388
5-15.00	Kelseyville Valley	388
5-16.00	High Valley	388
5-17.00	Burns Valley	389
5-18.00	Coyote Valley	389, 415
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5-21.00	Sacramento Valley	
5-21.01	Tehama County	389, 415
5-21.02	Glenn County	392
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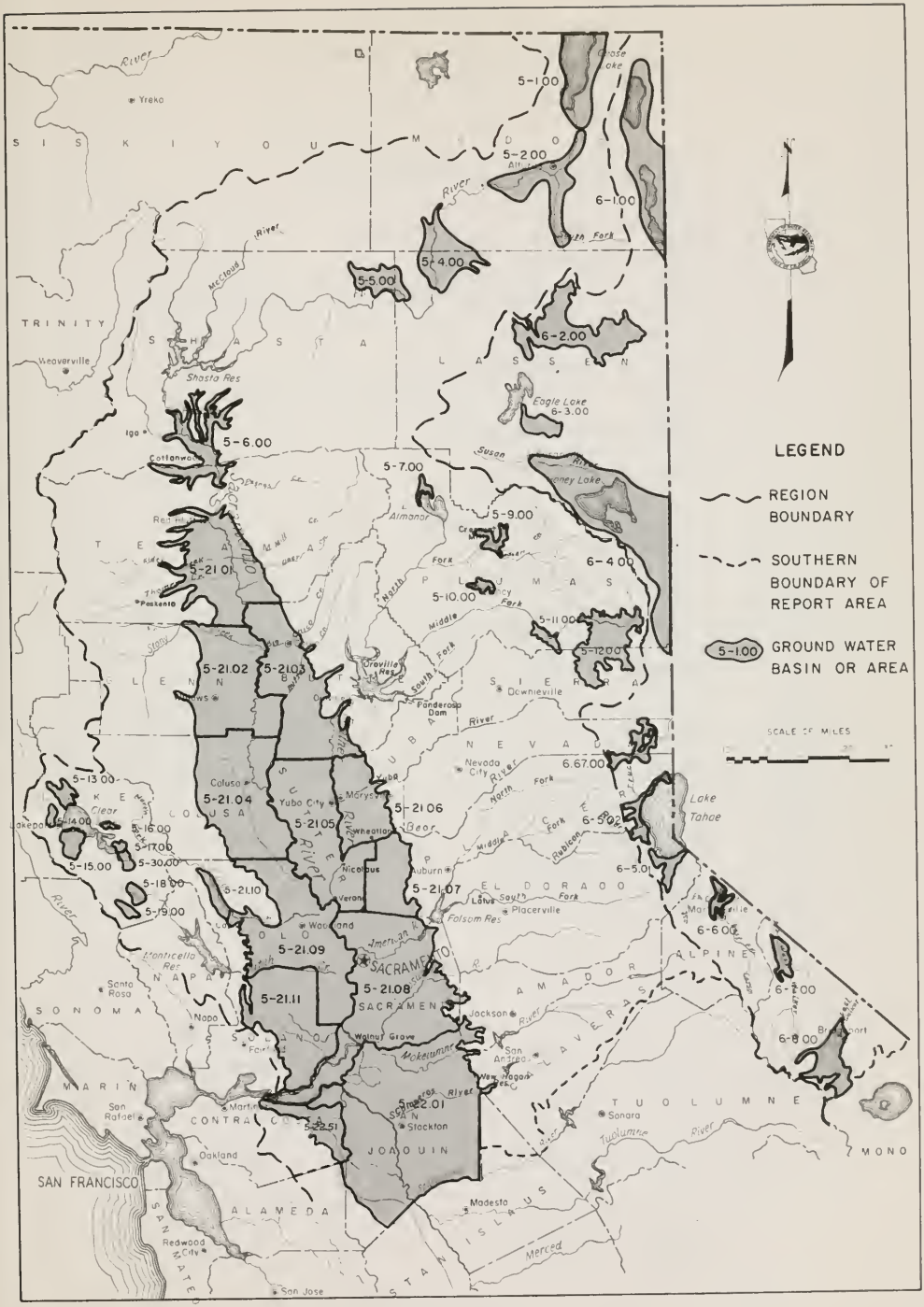
5-21.04	Colusa County	395, 415
5-21.05	Sutter County	397
5-21.06	Yuba County	397, 415, 422
5-21.07	Placer County	398, 416
5-21.08	Sacramento County	398
5-21.09	Yolo County	400, 416
5-21.10	Capay Valley	
5-21.11	Solano County	400, 416, 422
5-22.00	San Joaquin Valley	
5-22.01	San Joaquin County	401, 417, 423
5-22.51	East Contra Costa Area	409, 420
5-30.00	Lower Lake Area	409
	LAHONTAN REGION 6-00.00	
6- 1.00	Surprise Valley	410, 420
6- 2.00	Madeline Plains	411, 420
6- 3.00	Willow Creek Valley	411
6- 4.00	Honey Lake Valley	411
6- 5.00	Tahoe Valley	
6- 5.01	South Tahoe Valley	413
6- 5.02	North Tahoe Valley	
6- 6.00	Carson Valley	
6- 7.00	Topaz Valley	
6- 8.00	Bridgeport Valley	
6-67.00	Truckee Valley	

FIGURE E-1



GROUND WATER BASINS IN NORTHEASTERN CALIFORNIA

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

Sampler and Lab Agency Codes

2489 - Fibreboard Corporation

4203 - City of Stockton

5050 - California Department of Water Resources

5105 - Glenn County

5110 - San Joaquin County

5701 - California Water Service Company

5999 - Unknown Agency

9597 - Nelson Lab

Abbreviations

TIME - Pacific Standard Time on a 24-hour clock

TEMP - Water temperature in degrees Fahrenheit (F) and degrees Celsius (C) at the time of field sampling

PH - Measure of acidity (<7) or alkalinity (>7) of water

EC - Electrical conductance in micromhos at 25° Celsius

TDS - Gravimetric determination of total dissolved solids at 180° C

SUM - Total dissolved solids by summation of analyzed constituents

TH - Total hardness

NCH - Noncarbonate hardness - any excess of total hardness over total alkalinity

SAR - Sodium adsorption ratio

Mineral Constituents

B	-	Boron	K	-	Potassium
CA	-	Calcium	MG	-	Magnesium
CL	-	Chloride	NA	-	Sodium
CO3	-	Carbonate	NO3	-	Nitrate
F	-	Fluoride	SIO2	-	Silica
HCO3	-	Bicarbonate	SO4	-	Sulfate

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	TDS SUM	TH NCM	SAR
	5		CENTRAL VALLEY REGION																	
	5-01		GOOSE LAKE VALLEY																	
		44N/14E-07K01	M																	
08/12/75	5050		57.0F	7.0	750	73	26	38	1.3	19	298	27	20	59.0	.10	--	460	291		
1235	5050		13.9C	8.6	673	3.64	2.14	1.65	.03	.63	4.88	.56	.56	.95		--	410	14	1.0	
						49	29	22		8	64	7	7	13						
		45N/13E-12L01	M																	
08/12/75	5050		69.0F	7.3	340	--	--	--	--	--	--	--	--	--	--	--				
1310			20.5C													--				
		45N/14E-32L01	M																	
08/12/75	5050		72.0F	7.1	250	--	--	--	--	--	--	--	--	--	--	--				
1250			22.2C													--				
		46N/14E-32J01	M																	
08/12/75	5050		68.0F	6.8	205	--	--	--	--	0	87	--	9.6	4.9	--	--		60		
1450	5050		20.0C	8.0	193					.00	1.43		.27	.08		--				
											80		15	4						
		47N/13E-07U01	M																	
08/12/75	5050		63.0F	7.5	235	--	--	--	--	--	--	--	--	--	--	--				
1400			17.2C													--				
		47N/14E-02M01	M																	
08/12/75	5050		64.0F	8.3	350	--	--	--	--	--	--	--	--	--	--	--				
1535			17.8C													--				
		47N/14E-14B02	M																	
08/12/75	5050		55.0F	6.8	185	--	--	--	--	--	--	--	--	--	--	--				
1510			12.8C													--				
		48N/14E-23K01	M																	
08/12/75	5050		56.0F	6.8	235	--	--	--	--	0	126	--	3.5	1.0	--	--		80		
1550	5050		13.3C	8.1	210					.00	2.07		.10	.02		--				
											95		5	1						
	5-02		ALTURAS BASIN																	
		39N/13E-06N01	M																	
08/14/75	5050		67.0F	7.2	225	--	--	--	--	0	118	--	4.8	2.6	--	--		40		
1430	5050		19.4C	8.1	217					.00	1.93		.14	.04		--				
											91		7	2						
		40N/12E-11F01	M																	
08/14/75	5050		68.0F	8.0	170	--	--	--	--	0	80	--	4.4	3.4	--	--		28		
1355	5050		20.0C	8.0	181					.00	1.31		.12	.05		--				
											89		8	3						
		40N/12E-25J01	M																	
08/14/75	5050		65.0F	7.3	520	--	--	--	--	--	--	--	--	--	--	--				
1410			16.3C													--				
		41N/13E-18P01	M																	
08/14/75	5050		66.0F	7.3	750	74	31	18	8.0	6.0	223	138	7.9	2.9	.06	--	484	313		
1315	5050		18.9C	8.4	653	3.69	2.55	.78	.20	.20	3.65	2.87	.22	.05		--	395	120	0.4	
						51	35	11	3	3	52	41	3	1						
		42N/11E-19E01	M																	
08/12/75	5050		68.0F	7.6	470	--	--	--	--	0	244	--	6.7	.0	--	--		12		
1010	5050		20.0C	8.0	467					.00	4.00		.19	.00		--				
											95		5							
		42N/11E-24A01	M																	
08/12/75	5050		68.0F	7.3	218	--	--	--	--	--	--	--	--	--	--	--				
1030			20.0C													--				
		42N/12E-11J01	M																	
08/12/75	5050		64.0F	7.4	392	--	--	--	--	--	--	--	--	--	--	--				
1130			17.8C													--				
		42N/13E-31G01	M																	
08/14/75	5050		61.0F	7.1	580	--	--	--	--	--	--	--	--	--	--	--				
1240			16.1C													--				
		42N/13E-32G01	M																	
08/14/75	5050		58.0F	7.4	360	--	--	--	--	--	--	--	--	--	--	--				
1255			14.4C													--				
	5-04		BIG VALLEY																	
		37N/07E-13B01	M																	
08/11/75	5050		56.0F	6.9	485	--	--	--	--	0	164	--	16	76.0	--	--		138		
1520	5050		13.3C	8.3	446					.00	2.69		.45	1.23		--				
											62		10	28						
		38N/07E-02P01	M																	
08/11/75	5050		68.0F	7.1	565	--	--	--	--	0	231	--	38	12.0	--	--		151		
1445	5050		20.0C	8.3	520					.00	3.79		1.07	.19		--				
											75		21	4						

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER				MILLIEQUIVALENTS PER LITER				PERCENT REACTANCE VALUE		B	MILLIGRAMS PER LITER F	TDS	TH	SAR
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3			SIO2	SUM	NCM	
	5	CENTRAL VALLEY REGION																		
	5-04	BIG VALLEY																		
	38N/07E-23D01	M																		
08/11/75	5050		67.0F	7.1	300	--	--	--	--	--	--	--	--	--	--		--			
1410			19.4C														--			
	38N/07E-28N09	M																		
08/11/75	5050		65.0F	7.1	205	--	--	--	--	--	--	--	--	--	--		--			
1320			18.3C														--			
	38N/08E-17K01	M																		
08/11/75	5050		62.0F	7.4	238	--	--	--	--	--	--	--	--	--	--		--			
1540			16.7C														--			
	38N/08E-30R01	M																		
08/11/75	5050		58.0F	6.9	890	--	--	--	--	--	--	--	--	--	--		--			
1500			14.4C														--			
	38N/09E-21L01	M																		
08/11/75	5050		66.0F	7.5	340	--	--	--	--	--	--	--	--	--	--		--			
1555			18.9C														--			
	39N/07E-13Q01	M																		
08/12/75	5050		62.0F	7.0	220	--	--	--	--	0	105	--	6.8	1.6	--		--		44	
0835	5050		16.7C	8.0	228					.00	1.72		.19	.03			--			
											89		10	2						
	39N/08E-23A02	M																		
08/12/75	5050		64.0F	7.0	245	13	9.4	18	5.5	0	92	27	4.4	5.0	.00		--	196	71	
0855	5050		17.8C	8.2	232	.65	.77	.78	.14	.00	1.51	.56	.12	.08			--	128	0	0.9
						28	33	33	6		67	25	5	4						
	39N/09E-28F02	M																		
08/12/75	5050		70.0F	7.7	205	--	--	--	--	--	--	--	--	--	--		--			
0730			21.1C														--			
	5-05	FALL RIVER VALLEY																		
	37N/05E-01C01	M																		
08/11/75	5050		62.0F	8.3	225	18	6.3	16	2.7	0	118	5.4	3.5	1.2	.00		--	148	71	
1150	5050		16.7C	8.3	208	.90	.52	.70	.07	.00	1.93	.11	.10	.02			--	111	0	0.8
						41	24	32	3		89	5	5	1						
	37N/05E-19P02	M																		
08/11/75	5050		62.0F	7.5	525	--	--	--	--	--	--	--	--	--	--		--			
0905			16.7C														--			
	37N/05E-24F01	M																		
08/11/75	5050		58.0F	8.2	270	--	--	--	--	--	--	--	--	--	--		--			
1105			14.4C														--			
	37N/06E-06L01	M																		
08/11/75	5050		56.0F	8.0	285	--	--	--	--	--	--	--	--	--	--		--			
1225			13.3C														--			
	37N/06E-19L01	M																		
08/11/75	5050		58.0F	8.0	260	--	--	--	--	--	--	--	--	--	--		--			
1115			14.4C														--			
	38N/03E-24F01	M																		
08/11/75	5050		52.0F	6.9	145	--	--	--	--	0	75	--	2.2	4.7	--		--		59	
0945	5050		11.1C	7.9	133					.00	1.23		.06	.08			--			
											90		4	6						
	38N/04E-30H01	M																		
08/11/75	5050		55.0F	6.8	230	--	--	--	--	0	116	--	8.9	4.0	--		--		75	
1005	5050		12.8C	8.0	204					.00	1.90		.23	.06			--			
											86		11	3						
	38N/06E-31D01	M																		
08/11/75	5050		60.0F	8.0	195	--	--	--	--	--	--	--	--	--	--		--			
1205			15.5C														--			
	5-06	REDDING BASIN																		
	29N/03W-05G02	M																		
05/27/75	5050		67.0F	6.8	200	14	11	9.8	2.1	0	105	5.4	2.0	4.3	.00		--	162	79	
1000	5050		19.4C	8.3	196	.70	.90	.43	.05	.00	1.72	.11	.06	.07			--	100	0	0.5
						34	43	21	2		88	6	3	4						
	29N/04W-04K03	M																		
05/28/75	5050		74.0F	8.8	310	--	--	--	--	--	--	--	--	--	--		--			
1145			23.3C														--			
	29N/04W-11G04	M																		
05/27/75	5050		67.0F	7.1	185	--	--	--	--	0	100	--	4.5	--	--		--		67	
0920	5050		19.4C	8.2	185					.00	1.64		.13				--			

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	MILLIGRAMS PER LITER TDS SUM	TH NCH	SAR
	5		CENTRAL VALLEY REGION																	
	5-06		REDDING BASIN																	
		30N/03W-04M01	M																	
05/27/75	5050		68.0F	6.9	205	--	--	--	--	--	--	--	--	--	--	--				
1140			20.0C													--				
		30N/03W-18F02	M																	
05/27/75	5050		65.0F	6.4	280	--	--	--	--	--	--	--	--	--	--	--				
1120			18.3C													--				
		30N/03W-34D01	M																	
05/27/75	5050		63.0F	6.6	318	--	--	--	--	--	--	--	--	--	--	--				
1142			17.2C													--				
		30N/04W-01E01	M																	
05/27/75	5050		66.0F	7.0	162	--	--	--	--	--	--	--	--	--	--	--				
1200			18.9C													--				
		30N/04W-08R01	M																	
05/28/75	5050		72.0F	7.0	150	--	--	--	--	--	--	--	--	--	--	--				
1030			22.2C													--				
		30N/04W-15M03	M																	
05/28/75	5050		64.0F	7.1	295	--	--	--	--	--	--	--	--	--	--	--				
1045			17.8C													--				
		30N/04W-35R01	M																	
05/27/75	5050		69.0F	7.0	182	--	--	--	--	0	103	--	.0	--	--	--				68
0930	5050		20.5C	8.0	168					.00	1.69		.00			--				
		30N/04W-36U01	M																	
05/27/75	5050		65.0F	7.0	180	--	--	--	--	0	96	--	3.2	--	--	--				66
0945	5050		18.3C	8.2	177					.00	1.57		.09			--				
		31N/03W-05J01	M																	
05/27/75	5050		65.0F	6.6	225	--	--	--	--	--	--	--	--	--	--	--				
1047			18.3C													--				
		31N/03W-10D02	M																	
05/27/75	5050		70.0F	6.5	180	--	--	--	--	0	93	--	6.2	--	--	--				67
1310	5050		21.1C	8.1	178					.00	1.52		.17			--				
		31N/03W-12E01	M																	
05/27/75	5050		65.0F	6.4	205	--	--	--	--	--	--	--	--	--	--	--				
1315			18.3C													--				
		31N/04W-12A01	M																	
05/27/75	5050		76.0F	7.3	365	--	--	--	--	--	--	--	--	--	--	--				
1400			24.4C													--				
		31N/04W-15B01	M																	
05/28/75	5050		69.0F	7.1	220	--	--	--	--	--	--	--	--	--	--	--				
0915			20.5C													--				
		31N/04W-15D03	M																	
05/28/75	5050		73.0F	7.0	177	--	--	--	--	0	90	--	4.5	--	--	--				67
0935	5050		22.8C	8.1	178					.00	1.48		.13			--				
		31N/04W-20J01	M																	
05/28/75	5050		66.0F	6.8	235	--	--	--	--	0	91	--	13	--	--	--				86
0955	5050		18.9C	8.1	231					.00	1.49		.37			--				
		31N/05W-25K01	M																	
05/28/75	5050		68.0F	7.3	280	--	--	--	--	--	--	--	--	--	--	--				
1015			20.0C													--				
		32N/03W-32J02	M																	
05/27/75	5050		66.0F	6.9	340	--	--	--	--	--	--	--	--	--	--	--				
1345			18.9C													--				
		32N/03W-35L01	M																	
05/27/75	5050		71.0F	6.7	245	--	--	--	--	--	--	--	--	--	--	--				
1250			21.6C													--				
		32N/05W-26M02	M																	
05/28/75	5050		70.0F	7.9	580	--	--	--	--	4.0	215	--	36	--	--	--				92
0850	5050		21.1C	8.4	580					.13	3.52		1.02			--				
	5-13		UPPER LAKE VALLEY																	
		15N/09W-07B01	M																	
06/11/75	5050		65.0F	6.3	295	--	--	--	--	3.0	169	--	4.2	--	--	--				118
1010	5050		18.3C	8.4	282					.10	2.77		.12			--				

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCM	SAR
						MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER					PERCENT REACTANCE VALUE MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER				
	5	CENTRAL VALLEY REGION																	
	5-13	UPPER LAKE VALLEY																	
	15N/09W-27E01	M																	
06/11/75	5050		82.0F	7.3	280	--	--	--	--	--	--	--	--	--	--	--			
0900			27.8C													--			
	15N/09W-31P01	M																	
06/11/75	5050		64.0F	6.3	190	--	--	--	--	--	--	--	--	--	--	--			
1250			17.8C													--			
	15N/10W-13A01	M																	
06/11/75	5050		65.0F	6.8	240	--	--	--	--	--	--	--	--	--	--	--			
0930			18.3C													--			
	15N/10W-13A02	M																	
06/11/75	5050		70.0F	7.1	215	--	--	--	--	--	--	--	--	--	--	--			
0950			21.1C													--			
	16N/09W-31L03	M																	
06/11/75	5050		67.0F	6.5	195	20	6.1	8.2	.9	0	87	14	2.5	.4	.00	--	116	75	
1110	5050		19.4C	8.0	184	1.00	.50	.36	.02	.00	1.43	.29	.07	.01		--	95	4	0.4
						53	27	19	1		79	16	4	1					
	5-14	SCOTT VALLEY																	
	14N/10W-03F01	M																	
06/11/75	5050		65.0F	7.1	380	--	--	--	--	--	--	--	--	--	--	--			
1320			18.3C													--			
	14N/10W-10G02	M																	
06/11/75	5050		64.0F	7.1	350	--	--	--	--	--	--	--	--	--	--	--			
1415			17.8C													--			
	14N/10W-14E03	M																	
06/11/75	5050		61.0F	7.0	220	--	--	--	--	--	--	--	--	--	--	--			
1515			16.1C													--			
	14N/10W-15A01	M																	
06/11/75	5050		56.0F	7.0	340	34	14	10	.7	0	150	32	4.0	5.7	.10	--	191	144	
1350	5050		14.4C	8.2	318	1.70	1.15	.44	.02	.00	2.46	.67	.11	.09		--	174	20	0.4
						51	35	13	1		74	20	3	3					
	5-15	KELSEYVILLE VALLEY																	
	13N/09W-05D03	M																	
06/12/75	5050		64.0F	6.7	555	--	--	--	--	--	--	--	5.9	6.8	--	--		282	
0730	5150		17.8C		542								.17	.11		--			
	13N/09W-15D01	M																	
06/11/75	5050		75.0F	6.3	1100	14	107	19	4.4	0	538	.0	40	28.0	4.40	--	540	474	
1205	5050		23.9C	8.3	881	.70	8.80	.83	.11	.00	8.82	.00	1.13	.45		--	481	34	0.4
						7	84	8	1		85		11	4					
06/12/75	13N/09W-16D03	M	65.0F	6.8	455	16	47	9.5	1.0	12	269	.0	5.4	4.0	.00	--	263	233	
1155	5050		18.3C	8.6	438	.80	3.87	.41	.03	.40	4.41	.00	.15	.06		--	227	0	0.3
						16	76	8	1	8	88		3	1					
	13N/09W-17A01	M																	
06/12/75	5050		68.0F	6.8	960	--	--	--	--	--	--	--	--	--	--	--			
1130			20.0C													--			
	13N/09W-18J01	M																	
06/12/75	5050		66.0F	7.1	295	--	--	--	--	--	--	--	9.4	5.0	--	--		112	
1055	5050		20.0C		286								.27	.08		--			
	13N/09W-21F02	M																	
06/12/75	5050		77.0F	6.5	755	--	--	--	--	--	--	--	16	2.2	--	--		397	
1215	5050		25.0C		703								.45	.04		--			
	13N/09W-22C03	M																	
06/12/75	5050		65.0F	7.2	605	--	--	--	--	--	--	--	11	11.0	--	--		332	
1235	5050		18.3C		583								.31	.18		--			
	14N/09W-32J01	M																	
06/12/75	5050		61.0F	6.8	925	--	--	--	--	--	--	--	--	--	--	--			
0905			15.5C													--			
	5-16	HIGH VALLEY																	
	14N/08W-23K01	M																	
06/11/75	5050		69.0F	6.8	185	--	--	--	--	--	--	--	--	--	--	--			
0900			20.5C													--			
	14N/08W-24B02	M																	
06/11/75	5050		70.0F	6.1	730	--	--	--	--	--	--	--	--	--	--	--			
0730			21.1C													--			

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD PH	LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									B	F	TDS	TM	SAR
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3		SIO2	SUM	NCM	
	5	CENTRAL VALLEY REGION																	
	5-17	BURNS VALLEY																	
	13N/07W-15J02	M																	
06/10/75	5050		67.0F	7.3	400	--	--	--	--	--	--	--	--	--	--	--			
1405			19.4C													--			
	13N/07W-15N01	M																	
06/10/75	5050		66.0F	6.8	220	--	--	--	--	--	--	--	--	--	--	--			
1445			18.9C													--			
	13N/07W-21J02	M																	
06/10/75	5050		66.0F	6.8	625	--	--	--	--	--	--	--	--	--	--	--			
1515			26.0C													--			
	13N/07W-22H03	M																	
06/10/75	5050		64.0F	6.8	720	51	33	53	1.0	9.0	218	90	25	66.0	.30	--	501	265	
1430	5050		17.8C	8.5	716	2.54	2.71	2.31	.03	.30	3.57	1.87	.71	1.06		--	435	69	1.4
						33	36	30		4	48	25	9	14					
	13N/07W-27C01	M																	
06/10/75	5050		77.0F	7.1	320	--	--	--	--	--	--	--	--	--	--	--			
1500			25.0C													--			
	5-18	COYOTE VALLEY																	
	11N/06W-19P02	M																	
06/10/75	5050			7.3	500	--	--	4.6	--	0	322	--	6.1	--	--	--		281	
1445	5050			8.0	504			.20		.00	5.28		.17			--			0.1
								3											
	11N/06W-30A02	M																	
06/10/75	5050		62 F	7.3	450	13	50	5.9	.6	0	281	11	4.4	5.5	.20	--	251	239	
1530	5050		17 C	8.1	451	.65	4.11	.26	.02	.00	4.61	.23	.12	.09		--	229	8	0.2
						13	82	5			91	5	2	2					
	11N/07W-13M01	M																	
06/10/75	5050			7.4	600	--	--	19	--	0	372	--	6.6	--		--		291	
1630	5050			8.4	568			.83		.00	6.10		.19			--			0.5
								12											
	5-19	COLLAYOMI VALLEY																	
	10N/07W-03L04	M																	
06/10/75	5050		59.5F	6.8	250	--	--	4.8	--	0	136	--	2.4	--	--	--		126	
1150	5050		15.3C	7.6	254			.21		.00	2.23		.07			--			0.2
								8											
	11N/07W-33J02	M																	
06/10/75	5050		64 F	6.8	167	--	--	3.6	--	0	96	--	1.9	--	--	--		82	
1315	5050		18 C	7.7	163			.16		.00	1.57		.05			--			0.2
								9											
	11N/07W-35E01	M																	
06/10/75	5050			6.8	275	7.8	26	9.5	1.1	0	161	9.5	3.2	2.3	.00	--	161	126	
1400	5050			8.1	276	.39	2.14	.41	.03	.00	2.64	.20	.09	.04		--	139	0	0.4
						13	72	14	1		89	7	3	1					
	5-21	SACRAMENTO VALLEY																	
	5-21.01	TEHAMA COUNTY																	
	23N/02W-04A02	M																	
06/02/75	5050		64.0F	6.9	420	32	24	16	.9	6.0	193	23	7.9	8.0	.00	--	249	179	
1240	5050		17.8C	8.5	392	1.60	1.97	.70	.02	.20	3.16	.48	.22	.13		--	213	11	0.5
						37	46	16		5	75	11	5	3					
	23N/02W-05A01	M																	
06/02/75	5050		68.0F	7.9	335	--	--	--	--	--	--	--	5.4	7.8	--	--		116	
1255	5050		20.0C		311								.15	.13		--			
	23N/03W-22H01	M																	
06/02/75	5050		71.0F	7.4	325	--	--	--	--	--	--	--	--	--	--	--			
1415			21.6C													--			
	23N/03W-27H01	M																	
06/02/75	5050		74.0F	7.2	408	--	--	--	--	--	--	--	21	8.1	--	--		166	
1425	5050		23.3C		393								.59	.13		--			
	23N/03W-35B01	M																	
06/02/75	5050		66.0F	7.1	240	--	--	--	--	--	--	--	--	--	--	--			
1445			20.0C													--			
	24N/01W-36A02	M																	
06/02/75	5050		69.0F	7.0	270	--	--	--	--	--	--	--	--	--	--	--			
1205			20.5C													--			
	24N/02W-14K01	M																	
06/02/75	5050		71.0F	6.9	445	--	--	--	--	--	--	--	--	--	--	--			
1035			21.6C													--			
	24N/02W-30C01	M																	
06/02/75	5050		69.0F	7.1	620	--	--	--	--	--	--	--	22	17.0	--	--		246	
1320	5050		20.5C		572								.62	.27		--			

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE B	F	SIO2	TDS SUM	TM NCH	SAR
	5	CENTRAL VALLEY REGION																	
	5=21	SACRAMENTO VALLEY																	
	5=21.01	TEHAMA COUNTY																	
	24N/03W-03P01	M																	
06/03/75 1015	5050 5050	67.0F 19.4C	7.0	355 341	--	--	--	--	--	--	--	6.4 .18	21.0 .34	--	-- --			157	
	24N/03W-14M01	M																	
06/03/75 0900	5050 5050	69.0F 20.5C	7.3	250 239	--	--	--	--	--	--	--	4.0 .11	7.9 .13	--	-- --			98	
	24N/03W-17M01	M																	
06/03/75 0955	5050 5050	67.0F 19.4C	6.8	226 204	--	--	--	--	--	--	--	5.0 .14	6.8 .11	--	-- --			88	
	24N/03W-20N01	M																	
06/03/75 0935	5050	67.0F 19.4C	6.9	175	--	--	--	--	--	--	--	--	--	--	-- --				
	24N/03W-24P01	M																	
06/02/75 1445	5050 5050	69.0F 20.5C	7.2	845 655	--	--	--	--	--	--	--	12 .34	15.0 .24	--	-- --			300	
	24N/03W-33M01	M																	
06/03/75 0915	5050	69.0F 20.5C	7.1	165	--	--	--	--	--	--	--	--	--	--	-- --				
	25N/02W-04M01	M																	
06/02/75 0925	5050	70.0F 21.1C	6.5	260	--	--	--	--	--	--	--	--	--	--	-- --				
	25N/02W-07K01	M																	
06/04/75 0945	5050	67.0F 19.4C	7.1	565	--	--	--	--	--	--	--	--	--	--	-- --				
	25N/02W-16F01	M																	
06/02/75 1000	5050	69.0F 20.5C	7.4	285	--	--	--	--	--	--	--	--	--	--	-- --				
	25N/02W-16P01	M																	
06/02/75 1015	5050 5050	66.0F 18.9C	6.6	318 305	--	--	--	--	--	--	--	13 .37	9.9 .16	--	-- --			118	
	25N/03W-01G01	M																	
06/04/75 1000	5050 5050	77.0F 25.0C	7.5	408 394	--	--	--	--	--	--	--	21 .59	5.1 .08	--	-- --			162	
	25N/03W-01G02	M																	
06/04/75 1010	5050	69.0F 20.5C	6.9	655	--	--	--	--	--	--	--	--	--	--	-- --				
	25N/03W-22D01	M																	
06/03/75 1350	5050 5050	73.0F 22.8C	7.2	395 367	--	--	--	--	--	--	--	29 .82	5.2 .08	--	-- --			146	
	25N/03W-31R01	M																	
06/05/75 1200	5050 5050	71.0F 21.6C	6.8 8.6	695 630	69 3.44 50	33 2.71 39	16 .70 10	.7 .02	10 .33 5	211 3.46 52	60 1.25 19	30 .85 13	50.0 .81 12	.00	-- --	407 372	310 118	0.4	
	25N/03W-36C01	M																	
06/03/75 1055	5050 5050	77.0F 25.0C	7.1	355 324	--	--	--	--	--	--	--	6.0 .17	2.2 .04	--	-- --			154	
	25N/04W-26A01	M																	
06/03/75 1230	5050	77.0F 25.0C	7.3	150	--	--	--	--	--	--	--	--	--	--	-- --				
	25N/05W-27C01	M																	
06/03/75 1310	5050	72.0F 22.2C	7.6	505	--	--	--	--	--	--	--	--	--	--	-- --				
	26N/02W-09E01	M																	
05/30/75 1150	5050	68.0F 20.0C	7.0	540	--	--	--	--	--	--	--	--	--	--	-- --				
	26N/02W-15M01	M																	
05/30/75 1215	5050	70.0F 21.1C	7.1	230	--	--	--	--	--	--	--	--	--	--	-- --				
	26N/02W-16C01	M																	
06/09/75 2030	5050 5050	75.0F 23.9C	6.8 8.5	390 421	30 1.50 33	26 2.14 48	19 .83 18	.6 .02	6.0 .20 4	198 3.25 72	21 .44 10	20 .56 12	3.6 .06 1	.30	-- --	281 224	184 10	0.6	

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	TDS SUM	TH NCH	SAR
	5			CENTRAL VALLEY REGION																
	5-21			SACRAMENTO VALLEY																
	5-21.01			TEHAMA COUNTY																
	26N/03W-03N01	M																		
06/04/75 1200	5050		68.0F 20.0C	7.1	365	--	--	--	--	--	--	--	--	--	--	-- --				
	26N/03W-04F01	M																		
06/04/75 1210	5050		71.0F 21.6C	7.1	295	--	--	--	--	--	--	--	--	--	--	-- --				
	26N/03W-26C01	M																		
06/04/75 1145	5050		70.0F 21.1C	7.0	400	--	--	--	--	--	--	--	--	--	--	-- --				
	26N/03W-32A02	M																		
06/03/75 1425	5050 5050		75.0F 23.9C	7.1	190 177	--	--	--	--	--	--	--	4.9 .14	14.0 .23	--	-- --			68	
	26N/03W-36L02	M																		
06/04/75 1250	5050 5050		72.0F 22.2C	8.0	380 355	--	--	--	--	--	--	--	11 .31	4.3 .07	--	-- --			151	
	26N/03W-36F01	M																		
06/04/75 1255	5050 5050		69.0F 20.5C	7.9	480 435	--	--	--	--	--	--	--	22 .62	9.0 .15	--	-- --			188	
	26N/03W-36K01	M																		
06/04/75 1115	5050		68.0F 20.0C	7.7	420	--	--	--	--	--	--	--	--	--	--	-- --				
	26N/04W-10Q01	M																		
05/29/75 1145	5050		74.0F 23.3C	7.6	375	--	--	--	--	--	--	--	--	--	--	-- --				
	27N/02W-30C02	M																		
05/30/75 1045	5050		60.0F 15.5C	6.6	285	--	--	--	--	--	--	--	--	--	--	-- --				
	27N/03W-10B01	M																		
05/29/75 1425	5050		79.0F 26.1C	7.1	330	--	--	--	--	--	--	--	--	--	--	-- --				
	27N/03W-10Q01	M																		
05/29/75 1435	5050		69.0F 20.5C	7.6	303	--	--	--	--	--	--	--	--	--	--	-- --				
	27N/03W-14N01	M																		
05/30/75 1005	5050 5050		67.0F 19.4C	6.8	745 748	--	--	--	--	--	--	--	115 3.24	21.0 .34	--	-- --			224	
	27N/03W-15C01	M																		
05/29/75 1410	5050 5050		65.0F 18.3C	6.9 8.5	520 472	42 2.10 41	27 2.22 44	16 .70 14	1.8 .05 1	8.0 .27 5	206 3.38 68	24 .50 10	21 .59 12	16.0 .26 5	.00	-- --	316 257	218 34		0.5
	27N/03W-15E01	M																		
05/29/75 1355	5050		68.0F 20.0C	7.1	565	--	--	--	--	--	--	--	--	--	--	-- --				
	27N/03W-15N01	M																		
05/29/75 1335	5050		74.0F 23.3C	7.2	525	--	--	--	--	--	--	--	--	--	--	-- --				
	27N/03W-19A01	M																		
06/02/75 0730	5050		69.0F 20.5C	6.9	270	--	--	--	--	--	--	--	--	--	--	-- --				
	27N/03W-20A01	M																		
06/02/75 0830	5050		68.0F 20.0C	6.9	280	--	--	--	--	--	--	--	--	--	--	-- --				
	27N/03W-21C01	M																		
05/30/75 0955	5050		72.0F 22.2C	7.3	305	--	--	--	--	--	--	--	--	--	--	-- --				
	27N/03W-22B01	M																		
05/30/75 1020	5050		62.0F 16.7C	6.8	520	--	--	--	--	--	--	--	--	--	--	-- --				
	27N/03W-23D01	M																		
05/30/75 1030	5050		65.0F 18.3C	6.9	645	--	--	--	--	--	--	--	--	--	--	-- --				

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD PH	FIELD EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	TOS SUM	TH NCH	SAR
						MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER									MILLIGRAMS PER LITER					
						MILLIEQUIVALENTS PER LITER														
						PERCENT REACTANCE VALUE														
	5	CENTRAL VALLEY REGION																		
	5-21	SACRAMENTO VALLEY																		
	5-21.01	TEHAMA COUNTY																		
	27N/03W-25Q01	M																		
05/30/75	5050		74.0F	6.8	405	--	--	--	--	--	--	--	--	--	--	--				
1135			23.3C													--				
	27N/03W-28C03	M																		
05/30/75	5050		65.0F	6.8	203	--	--	--	--	--	--	--	--	--	--	--				
0820			18.3C													--				
	27N/03W-31A01	M																		
06/02/75	5050		66.0F	7.4	260	--	--	--	--	--	--	--	4.1	5.2	--	--		91		
0810	5050		26.0C		258								.12	.08		--				
	27N/04W-01H02	M																		
05/29/75	5050		76.0F	7.7	225	--	--	--	--	--	--	--	--	--	--	--				
0920			21.1C													--				
	27N/04W-03J01	M																		
06/05/75	5050		69.0F	7.2	240	--	--	--	--	--	--	--	--	--	--	--				
1500			20.5C													--				
	27N/04W-12P01	M																		
05/29/75	5050		72.0F	7.6	270	--	--	--	--	--	--	--	--	--	--	--				
1005			22.2C													--				
	27N/04W-24C01	M																		
05/29/75	5050		68.0F	7.3	300	--	--	--	--	--	--	--	4.1	6.2	--	--		129		
1015	5050		20.0C		293								.12	.13		--				
	27N/04W-26J01	M																		
05/29/75	5050		76.0F	6.8	335	--	--	--	--	--	--	--	7.4	4.6	--	--		137		
1035	5050		21.1C		317								.21	.07		--				
	28N/03W-28A01	M																		
05/29/75	5050		72.0F	6.8	600	--	--	--	--	--	--	--	87	.7	--	--		122		
0835	5050		22.2C		601								2.45	.01		--				
	28N/03W-29G01	M																		
05/29/75	5050		66.0F	6.8	480	--	--	--	--	--	--	--	--	--	--	--				
0815			18.9C													--				
	5-21.02	GLENN COUNTY																		
	18N/01W-18H01	M																		
07/28/75	5105		72.0F	8.0	430	--	--	--	--	--	--	--	--	--	--	--				
1118			22.2C													--				
	18N/02W-01E01	M																		
07/28/75	5105		64.0F	7.6	800	--	--	--	--	0	480	--	18	4.0	--	--		332		
1018	5050		17.8C	6.3	805					.00	7.87		.51	.06		--				
											93		6	1						
	18N/02W-07F01	M																		
07/28/75	5105		67.0F	7.9	610	--	--	--	--	--	--	--	--	--	--	--				
0930			19.4C													--				
	18N/03W-10K01	M																		
07/28/75	5105		73.0F	7.8	655	--	--	--	--	6.0	297	--	30	--	--	--		226		
0950	5050		22.8C	8.5	675					.20	4.87		.85			--				
	19N/02W-06G01	M																		
07/28/75	5105		67.0F	7.5	340	--	--	--	--	--	--	--	--	--	--	--				
0845			19.4C													--				
	19N/02W-23N01	M																		
07/28/75	5105		70.0F	7.2	950	69	64	65	.6	0	558	78	13	9.2	.20	--	590	436		
1137	5050		21.1C	8.3	932	3.44	5.26	2.83	.02	.00	9.15	1.62	.37	.15		--	573	0	1.4	
						30	46	25			81	14	3	1						
	19N/03W-04E01	M																		
07/28/75	5105		72.0F	7.7	630	--	--	--	--	--	--	--	--	--	--	--				
0832			22.2C													--				
	19N/03W-09J01	M																		
07/28/75	5105		68.0F	7.9	490	--	--	--	--	--	--	--	--	--	--	--				
0843			20.0C													--				
	19N/03W-18P01	M																		
07/28/75	5105		71.0F	7.9	640	--	--	--	--	--	--	--	--	--	--	--				
0855			21.6C													--				
	19N/03W-26P01	M																		
07/28/75	5105		71.0F	7.8	580	--	--	--	--	--	--	--	--	--	--	--				
1002			21.6C													--				

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD PH	FIELD EC	LABORATORY PH	LABORATORY EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	TDS SUM	TH NCH	SAR
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER									MILLIGRAMS PER LITER					
												PERCENT REACTANCE VALUE									
	S																				
	5-21																				
		CENTRAL VALLEY REGION																			
		SACRAMENTO VALLEY																			
	5-21.02																				
		GLENN COUNTY																			
	20N/02W-11Q01	M																			
07/28/75	5105	68.0F	7.5	430			--	--	--	--	--	--	--	--	--	--	--				
1204		20.0C															--				
	20N/02W-13Q01	M																			
07/28/75	5105	73.0F	7.9	440			--	--	--	--	--	--	--	--	--	--	--				
1212		22.8C															--				
	20N/02W-22E01	M																			
07/28/75	5105	78.0F	7.6	335			--	--	--	--	3.0	187	--	7.4	5.3	--	--			144	
1153	5050	25.5C	8.5	331							.10	3.06		.21	.09		--				
	20N/03W-02Q01	M																			
07/26/75	5105	67.0F	8.0	410			--	--	--	--	--	--	--	--	--	--	--				
1505		19.4C															--				
	20N/03W-16E01	M																			
07/26/75	5105	75.0F	7.8	325			--	--	--	--	0	182	--	5.5	7.6	--	--			128	
1455	5050	23.9C	7.3	312							.00	2.98		.16	.12		--				
												91		5	4						
	20N/03W-16E02	M																			
07/26/75	5105	73.0F	7.6	295			--	--	--	--	--	--	--	--	--	--	--				
1445		22.8C															--				
	20N/03W-26R01	M																			
07/28/75	5105	67.0F	7.2	520			--	--	--	--	--	--	--	17	10.0	--	--			257	
0802	5050	19.4C		530										.48	.16		--				
	20N/04W-02Q01	M																			
07/26/75	5105	81.0F	7.9	360			--	--	--	--	--	--	--	--	--	--	--				
1430		27.2C															--				
	21N/01W-29N01	M																			
07/28/75	5105	69.0F	7.6	370			--	--	--	--	--	--	--	12	5.4	--	--			193	
1310	5050	20.5C		422										.34	.09		--				
	21N/02W-15C01	M																			
07/26/75	5105	69.0F	7.6	610			--	--	--	--	--	--	--	34	18.0	--	--			253	
1525	5050	20.5C		576										.96	.29		--				
	21N/03W-02Q01	M																			
07/26/75	5105	75.0F	7.2	645			--	--	--	--	--	--	--	--	--	--	--				
0912		23.9C															--				
	21N/03W-08A02	M																			
07/26/75	5105	83.0F	8.0	290			--	--	--	--	--	--	--	--	--	--	--				
0926		28.6C															--				
	22N/02W-03A01	M																			
07/26/75	5105	67.0F	7.1	625			56	27	32	.7	4.0	199	50	48	29.0	.10	--		386	250	
1143	5050	19.4C	6.5	620			2.79	2.22	1.39	.02	.13	3.26	1.04	1.35	.47		--		345	81	0.9
							43	35	22		2	52	17	22	8						
	22N/02W-04C02	M																			
07/26/75	5105	76.0F	7.2	560			--	--	--	--	--	--	--	--	--	--	--				
1132		24.4C															--				
	22N/02W-07Q01	M																			
07/26/75	5105	66.0F	7.1	540			--	--	--	--	4.0	248	--	20	23.0	--	--			236	
1116	5050	20.0C	8.4	528							.13	4.06		.56	.37		--				
	22N/02W-20Q01	M																			
07/26/75	5105	67.0F	7.2	485			--	--	--	--	--	--	--	--	--	--	--				
1220		19.4C															--				
	22N/02W-26B01	M																			
07/26/75	5105	66.0F	7.3	435			42	18	18	.5	0	203	22	15	5.5	.10	--		244	181	
1208	5050	18.9C	8.2	409			2.10	1.48	.78	.02	.00	3.33	.46	.42	.09		--		221	13	0.6
							48	34	18			77	11	10	2						
	22N/03W-06H01	M																			
07/26/75	5105	66.0F	7.2	910			--	--	--	--	4.0	386	--	71	20.0	--	--			402	
1058	5050	18.9C	8.4	931							.13	6.33		2.00	.32		--				
	22N/03W-17E01	M																			
07/26/75	5105	74.0F	7.4	430			--	--	--	--	--	--	--	--	--	--	--				
1033		23.3C															--				
	22N/03W-17K01	M																			
07/26/75	5105	71.0F	7.2	410			--	--	--	--	0	206	--	17	5.2	--	--			175	
1040	5050	21.6C	6.3	405							.00	3.38		.48	.08		--				
												86		12	2						

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	TDS SUM	TH NCH	SAR
	5			CENTRAL VALLEY REGION																	
	5-21			SACRAMENTO VALLEY																	
	5-21.0d			GLENN COUNTY																	
		22N/03W-22G02	M																		
07/28/75	5105		68.0F	7.4	405		--	--	--	--	--	--	--	--	--	--	--				
1405			20.0C														--				
		22N/03W-22Q01	M																		
07/28/75	5105		68.0F	7.6	500		--	--	--	--	--	--	--	--	--	--	--				
1355			20.0C														--				
		22N/03W-32R02	M																		
07/26/75	5105		76.0F	6.6	410		--	--	--	--	0	264	--	14	7.3	--	--			178	
0950	5050		21.1C	7.9	419						.00	3.34		.39	.12		--				
												87		10	3						
		22N/04W-10R01	M																		
07/26/75	5105		72.0F	7.2	505		47	29	18	.5	5.0	242	27	19	10.0	.10	--		307	237	
1020	5050		22.2C	8.5	502		2.35	2.38	.78	.01	.17	3.97	.56	.54	.16		--		275	30	0.5
							43	43	14		3	74	10	10	3						
	5-21.0d			BUTTE COUNTY																	
		17N/01E-01K01	M																		
05/28/75	5050		65.0F	7.3	925		25	59	61	2.5	6.0	433	14	36	6.5	.00	--		445	306	
0930	5050		18.3C	8.4	756		1.25	4.85	2.65	.06	.20	7.10	.29	1.02	.10		--		423	0	1.5
							14	55	30	1	2	82	3	12	1						
		17N/03E-18Q01	M																		
05/28/75	5050		68.0F	7.2	580		--	--	--	--	--	--	--	--	--	--	--				
1105			20.0C														--				
		17N/03E-20C01	M																		
05/28/75	5050		67.0F	7.1	355		--	--	--	--	--	--	--	--	--	--	--				
1140			19.4C														--				
		18N/01E-14R01	M																		
05/28/75	5050		67.0F	7.3	305		--	--	--	--	--	--	--	--	--	--	--				
0815			19.4C														--				
		18N/02E-12G01	M																		
05/28/75	5050		62.0F	6.8	280		--	--	8.6	--	5.0	163	--	3.0	--	--	--			132	
0845	5050		16.7C	8.5	275				.37		.17	2.67		.08			--				0.3
									12												
		18N/02E-14K01	M																		
05/28/75	5050		68.0F	7.3	280		--	--	--	--	--	--	--	--	--	--	--				
0830			20.0C														--				
		18N/03E-25J01	M																		
05/28/75	5050		67.0F	7.1	220		--	--	--	--	--	--	--	--	--	--	--				
1325			19.4C														--				
		18N/03E-29P01	M																		
05/28/75	5050		67.0F	7.2	220		14	14	11	1.7	0	126	8.2	1.0	.0	.00	--		189	93	
1215	5050		19.4C	8.3	217		.70	1.15	.48	.04	.00	2.07	.17	.03	.00		--		112	0	0.5
							30	49	20	2		91	7	1							
		18N/03E-33N01	M																		
05/28/75	5050		69.0F	7.3	220		--	--	--	--	--	--	--	--	--	--	--				
1250			20.5C														--				
		18N/04E-07A01	M																		
05/29/75	5050		68.0F	7.1	165		--	--	--	--	--	--	--	--	--	--	--				
0850			20.0C														--				
		18N/04E-21P01	M																		
05/28/75	5050		65.0F	7.1	335		31	20	10	.5	5.0	174	9.0	6.4	5.8	.00	--		218	158	
1430	5050		18.3C	8.5	325		1.55	1.64	.44	.01	.17	2.85	.19	.18	.09		--		173	9	0.3
							43	45	12		5	82	5	5	3						
		18N/04E-28M01	M																		
05/28/75	5050		72.0F	8.1	2650		43	3.2	550	4.2	4.0	150	776	281	3.9	5.80	--		1840	120	
1400	5050		22.2C	8.5	2720		2.15	.26	23.93	.11	.13	2.46	16.16	7.36	.06		--		1725	0	21.8
							8	1	90			9	62	28							
		19N/02E-16R01	M																		
05/28/75	5050		68.0F	7.2	245		--	--	--	--	--	--	--	--	--	--	--				
0745			20.0C														--				
		19N/04E-06P01	M																		
05/29/75	5050		73.0F	7.3	135		--	--	--	--	--	--	--	--	--	--	--				
1045			22.8C														--				
		20N/01E-01C01	M																		
05/27/75	5050		69.0F	7.0	800		--	--	--	--	20	305	--	32	97.0	--	--			382	
1445	5050		20.5C	8.7	724						.67	5.00		.90	.92		--				
		20N/01E-04J01	M																		
05/27/75	5050		64.0F	7.3	520		--	--	--	--	12	217	--	23	34.0	--	--			257	
1110	5050		17.8C	8.6	529						.40	3.56		.65	.55		--				

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	TDS SUM	TH NCH	SAR
						MILLIGRAMS PER LITER									MILLIGRAMS PER LITER					
						MILLIEQUIVALENTS PER LITER														
						PERCENT REACTANCE VALUE														
	5	CENTRAL VALLEY REGION																		
	5-21	SACRAMENTO VALLEY																		
	5-21.6J	BUTTE COUNTY																		
	20N/02E-04D01	M																		
05/27/75	5050		66.0F	7.2	275	--	--	--	--	--	--	--	--	--	--	--				
1515			18.9C													--				
	20N/02E-29R03	M																		
05/28/75	5050		66.0F	7.2	760	65	33	43	2.2	13	260	31	80	7.8	.00	--		495	297	
0725	5050		18.9C	8.6	736	3.24	2.71	1.87	.06	.43	4.26	.65	2.26	.13		--		403	63	1.1
						41	34	24	1	6	55	8	29	2						
	20N/03E-15M01	M																		
05/29/75	5050		66.0F	6.8	155	--	--	--	--	--	--	--	--	--	--	--				
1100			18.9C													--				
	21N/01E-08H02	M																		
05/27/75	5050		64.0F	7.1	890	--	--	--	--	--	--	--	--	--	--	--				
1045			17.8C													--				
	21N/02E-21M01	M																		
05/27/75	5050		66.0F	6.8	530	41	34	15	.4	7.0	192	66	10	35.0	.00	--		350	244	
1545	5050		18.9C	8.5	525	2.05	2.80	.65	.01	.23	3.15	1.37	.28	.56		--		303	74	0.4
						37	51	12		4	56	25	5	10						
	21N/02E-30F01	M																		
05/27/75	5050		66.0F	7.0	1090	--	--	--	--	8.0	321	--	23	118	--	--			528	
1415	5050		18.9C	8.5	1030					.27	5.26		.65	1.90		--				
	21N/03E-10K01	M																		
05/29/75	5050		71.0F	6.8	225	--	--	--	--	0	132	--	4.0	5.3	--	--			98	
1215	5050		21.6C	8.3	223					.00	2.16		.11	.09		--				
											92		5	4						
	22N/01E-05C01	M																		
05/23/75	5050		65.0F	7.0	335	--	--	--	--	--	--	--	--	--	--	--				
0825			18.3C													--				
	22N/01E-05F01	M																		
05/23/75	5050		66.0F	7.1	330	25	15	21	.9	3.0	139	14	9.0	31.0	.20	--		243	124	
0840	5050		18.9C	8.4	335	1.25	1.23	.91	.02	.10	2.28	.29	.25	.50		--		187	5	0.8
						37	36	27	1	3	67	8	7	15						
	22N/02E-17E01	M																		
05/23/75	5050		67.0F	7.1	215	--	--	--	--	--	--	--	--	--	--	--				
0935			19.4C													--				
	21N/01W-35C01	M																		
05/27/75	5050		67.0F	7.1	505	--	--	--	--	--	--	--	--	--	--	--				
1340			19.4C													--				
	23N/01W-09L01	M																		
05/23/75	5050		63.0F	6.8	555	--	--	--	--	--	--	--	--	--	--	--				
0730			17.2C													--				
	23N/01W-16R01	M																		
05/29/75	5050		66.0F	7.1	435	--	--	--	--	8.0	202	--	4.8	37.0	--	--			203	
0730	5050		18.9C	8.5	429					.27	3.31		.14	.60		--				
	5-21.6Q4	COLUSA COUNTY																		
	13N/01E-22J01	M																		
06/02/75	5050		63.0F	7.0	440	37	21	21	2.9	7.0	240	10	4.8	.6	.10	--		250	180	
1100	5050		17.2C	8.5	397	1.85	1.73	.91	.07	.23	3.93	.21	.14	.01		--		222	0	0.7
						41	38	20	2	5	87	5	3							
	14N/01E-16K01	M																		
06/04/75	5050		66.0F	7.7	550	--	--	--	--	12	220	--	54	.7	--	--			80	
0940	5050		18.9C	8.7	573					.40	3.61		1.52	.01		--				
	13N/01W-06Q01	M																		
06/03/75	5050		69.0F	7.1	1350	--	--	--	--	--	--	--	--	--	--	--				
0900			20.5C													--				
	13N/01W-07A01	M																		
06/03/75	5050		74.0F	7.4	1340	--	--	--	--	0	119	--	319	23.0	--	--			432	
0850	5050		23.3C	8.1	1320					.00	1.95		9.00	.37		--				
											17		80	3						
	13N/01W-08B01	M																		
06/02/75	5050		67.0F	7.3	1270	--	--	--	--	--	--	--	--	--	--	--				
1355			19.4C													--				
	13N/01W-30F01	M																		
06/02/75	5050		70.0F	7.4	435	25	24	30	.9	7.0	186	4.9	36	9.1	.20	--		252	102	
1155	5050		21.1C	8.6	440	1.25	1.97	1.31	.02	.23	3.05	.10	1.02	.15		--		229	0	1.0
						27	43	29		5	67	2	22	3						

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	TDS SUM	TH NCH	SAR
	5		CENTRAL VALLEY REGION																
	5-21		SACRAMENTO VALLEY																
	5-21.04		COLUSA COUNTY																
	13N/01W-36Q02 M																		
06/02/75	5050	69.0F	7.3	500	--	--	--	--	--	--	--	--	--	--	--	--			
1130		20.5C														--			
	13N/02W-26A01 M																		
06/02/75	5050	68.0F	7.3	740	--	--	--	--	--	--	--	--	--	--	--	--			
1300		20.0C														--			
	13N/02W-26G01 M																		
06/02/75	5050	71.0F	7.6	565	--	--	--	--	--	--	--	--	--	--	--	--			
1230		21.6C														--			
	14N/01W-02D01 M																		
06/04/75	5050	69.0F	7.4	1220	--	--	--	--	10	217	--	206	5.2	--	--			382	
1010	5050	20.5C	6.6	1220					.33	3.56		5.81	.08		--				
	14N/01W-12A01 M																		
06/04/75	5050	67.0F	7.6	1050	21	23	183	1.3	24	371	29	114	4.0	.80	--	622		148	
1000	5050	19.4C	8.8	1040	1.05	1.89	7.96	.03	.80	6.08	.60	3.21	.06		--	582		0	6.6
					*10	17	73		7	57	6	30	1						
	14N/01W-31Q01 M																		
06/03/75	5050	67.0F	7.6	550	--	--	--	--	0	159	--	74	18.0	--	--			172	
0915	5050	19.4C	8.3	538					.00	2.61		2.09	.29		--				
										52		42	6						
	14N/02W-35P01 M																		
06/03/75	5050	69.0F	7.5	550	--	--	--	--	--	--	--	--	--	--	--				
0930		20.5C													--				
	14N/03W-11H01 M																		
06/04/75	5050	69.0F	7.3	540	--	--	--	--	--	--	--	--	--	--	--				
1100		20.5C													--				
	14N/03W-14Q02 M																		
06/04/75	5050	70.0F	7.3	745	--	--	--	--	8.0	222	--	64	11.0	--	--			262	
1040	5050	21.1C	8.6	723					.27	3.64		1.80	.18		--				
	15N/02W-32R01 M																		
06/04/75	5050	68.0F	7.3	740	--	--	--	--	--	--	--	--	--	--	--				
1125		20.0C													--				
	15N/03W-01R01 M																		
06/04/75	5050	76.0F	7.4	1040	39	36	138	1.5	25	309	106	92	.0	.40	--	622		244	
1210	5050	24.4C	8.8	1020	1.95	2.96	6.00	.04	.83	5.06	2.21	2.59	.00		--	590		0	3.8
					18	27	55		8	47	21	24							
	15N/03W-26L01 M																		
06/04/75	5050	77.0F	7.3	770	--	--	--	--	--	--	--	--	--	--	--				
1150		25.0C													--				
	16N/01W-19F03 M																		
06/04/75	5050	64.0F	7.9	390	--	--	--	--	--	--	--	--	--	--	--				
1245		17.8C													--				
	16N/01W-29J01 M																		
05/30/75	5050	67.0F	7.7	500	--	--	--	--	--	--	--	--	--	--	--				
0910		19.4C													--				
	16N/01W-31Q01 M																		
05/30/75	5050	68.0F	7.5	2280	20	73	379	3.3	28	548	484	138	1.2	.50	--	1450		350	
0930	5050	16.9C	8.7	2190	1.00	6.00	16.49	.08	.93	8.98	10.08	3.89	.02		--	1396		0	8.8
					4	25	70		4	38	42	16							
	16N/02W-04H01 M																		
06/05/75	5050	68.0F	7.5	650	--	--	--	--	--	--	--	--	--	--	--				
0950		20.0C													--				
	16N/02W-25B02 M																		
05/30/75	5050	67.0F	7.4	820	--	--	--	--	--	--	--	--	--	--	--				
1005		19.4C													--				
	16N/02W-25B03 M																		
05/30/75	5050	68.0F	7.4	1200	--	--	--	--	47	567	--	34	18.0	--	--			245	
1030	5050	20.0C	8.9	1160					1.57	9.29		.96	.29		--				
	16N/02W-35B01 M																		
05/30/75	5050	70.0F	7.5	740	--	--	--	--	--	--	--	--	--	--	--				
0950		21.1C													--				
	16N/03W-09N01 M																		
06/05/75	5050	69.0F	7.3	595	--	--	--	--	--	--	--	--	--	--	--				
1030		20.5C													--				

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLEM LAB		TEMP	FIELD LABORATORY PH	FC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCM	SAR
	5			CENTRAL VALLEY REGION															
	5-21			SACHAMENTO VALLEY															
	5-21.04			COLUSA COUNTY															
	17N/01W-30A03	M																	
05/30/75	5050		75.0F	7.7	385	--	--	--	--	12	227	--	8.1	.3	--	--		171	
0835	5050		23.9C	8.6	385					.40	3.72		.23	.00		--			
	17N/02W-12C01	M																	
06/05/75	5050		70.0F	7.6	460	--	--	--	--	--	--	--	--	--	--	--			
0905			21.1C													--			
	17N/02W-30J02	M																	
06/05/75	5050		66.0F	7.4	1770	--	--	--	--	--	--	--	--	--	--	--			
1005			18.9C													--			
	17N/03W-32M01	M																	
06/05/75	5050		69.0F	7.4	605	--	--	--	--	--	--	--	--	--	--	--			
1100			20.5C													--			
	17N/03W-33R01	M																	
06/05/75	5050		72.0F	7.7	1000	--	--	--	--	--	--	--	--	--	--	--			
1000			22.2C													--			
	5-21.05			SUTTER COUNTY															
	11N/04E-04W02	M																	
06/09/75	5050		69 F	7.5	652	--	--	40	--	0	355	--	31	--	--	--		284	
1245	5050		21 C	8.0	663			1.74		.00	5.82		.87			--			1.0
								23											
	11N/04E-35J01	M																	
06/09/75	5050		69 F	8.0	303	--	--	22	--	0	147	--	23	--	--	--		96	
1330	5050		21 C	8.0	309			.96		.00	2.41		.65			--			1.0
								33											
	12N/04E-25N01	M																	
06/09/75	5050		66 F	7.5	391	--	--	20	--	0	218	--	13	--	--	--		174	
1200	5050		19 C	7.8	396			.87		.00	3.57		.37			--			0.7
								20											
	13N/04E-33J01	M																	
06/09/75	5050		70 F	7.3	596	40	38	23	.9	0	278	9.0	50	7.0	.00	--	378	260	
1030	5050		21 C	7.8	602	2.00	3.13	1.00	.02	.00	4.56	.19	1.41	.11		--	305	29	0.6
						33	51	16			73	3	22	2					
	14N/02E-13L01	M																	
06/06/75	5050		66 F	7.7	384	25	23	24	1.2	0	245	4.6	2.4	.6	.10	--	263	157	
0915	5050		19 C	8.0	385	1.25	1.89	1.04	.03	.00	4.02	.10	.07	.01		--	201	0	0.8
						30	45	25	1		96	2	2						
	14N/03E-06A02	M																	
06/06/75	5050		66 F	7.9	703	--	--	38	--	0	411	--	9.4	--	--	--		320	
0845	5050		19 C	8.0	711			1.65		.00	6.74		.27			--			0.9
								21											
	15N/01E-35G01	M																	
06/06/75	5050		66 F	7.5	536	38	38	23	2.4	0	337	12	10	.1	.00	--	326	251	
1200	5050		19 C	8.3	539	1.90	3.13	1.00	.06	.00	5.52	.25	.28	.00		--	289	0	0.6
						31	51	16	1		91	4	5						
	15N/02E-01R01	M																	
06/06/75	5050		69 F	7.3	403	--	--	10	--	0	212	--	4.7	--	--	--		164	
1045	5050		21 C	8.1	361			.44		.00	3.47		.13			--			0.3
								12											
	15N/02E-22D01	M																	
06/05/75	5050		67 F	7.5	277	--	--	20	--	0	149	--	10	--	--	--		102	
1615	5050		19 C	7.9	278			.87		.00	2.44		.28			--			0.9
								30											
	15N/03E-15H04	M																	
06/06/75	5050		67 F	7.3	946	--	--	24	--	0	501	--	76	--	--	--		486	
0700	5050		19 C	8.0	959			1.04		.00	8.21		2.14			--			0.5
								10											
	16N/01E-05C01	M																	
06/05/75	5050		0 F	7.3	418	--	--	20	--	0	207	--	22	--	--	--		173	
1445	5050		18 C	7.8	419			.87		.00	3.39		.62			--			0.7
								20											
	16N/02E-02R01	M																	
06/05/75	5050		66 F	7.5	390	26	28	15	1.8	0	232	10	4.6	6.3	.00	--	230	182	
1330	5050		19 C	8.1	393	1.30	2.30	.65	.05	.00	3.80	.21	.13	.10		--	206	0	0.5
						30	53	15	1		90	5	3	2					
	15N/01W-13R01	M																	
06/05/75	5050		70 F	7.3	373	--	--	17	--	0	201	--	11	--	--	--		153	
1540	5050		21 C	8.1	354			.74		.00	3.29		.31			--			0.6
								19											
	5-21.06			YUBA COUNTY															
	13N/04E-02A02	M																	
06/04/75	5050		67 F	7.3	311	--	--	15	--	0	127	--	22	--	--	--		115	
1245	5050		19 C	8.0	310			.65		.00	2.08		.62			--			0.6
								22											

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE B	F	SIO2	TDS SUM	TH NCH	SAR
	5		CENTRAL VALLEY REGION																
	5-21		SACRAMENTO VALLEY																
	5-21.06		YUBA COUNTY																
	14N/04E-14J02	M																	
06/04/75	5050	70 F	7.3	217	13	9.7	15	.7	0	102	4.9	9.9	6.8	.00	--	174	72		
1515	5050	21 C	8.1	209	.65	.80	.65	.02	.00	1.67	.10	.28	.11		--	110	0	0.8	
					31	38	31	1		77	5	13	5						
	14N/05E-32R03	M																	
06/04/75	5050	68 F	7.1	288	21	15	15	.7	0	126	9.7	13	14.0	.00	--	208	116		
1215	5050	20 C	8.0	290	1.05	1.23	.65	.02	.00	2.07	.20	.37	.23		--	150	11	0.6	
					36	42	22	1		72	7	13	8						
	15N/03E-12R02	M																	
03/05/75	5701	62 F			38	26	14	1.2	.6	209	31	12	14.0	--	.1		200		
	5701	17 C	7.6	422	1.90	2.14	.61	.03	.02	3.43	.65	.34	.23		48.0	288	30	0.4	
					41	46	13	1		73	14	7	5						
	15N/03E-13F01	M																	
06/05/75	5050	68 F	7.7	393	38	15	18	3.3	0	180	25	16	.0	.00	--	254	156		
1030	5050	20 C	8.1	384	1.90	1.23	.78	.08	.00	2.95	.52	.45	.00		--	204	9	0.6	
					48	31	20	2		75	13	11							
	15N/03E-13J01	M																	
05/13/75	5701	63 F			45	26	16	2.7	.5	239	36	13	15.0	--	.1		220		
	5701	17 C	7.5	485	2.25	2.14	.70	.07	.02	3.92	.75	.37	.24		46.0	318	23	0.5	
					44	41	14	1		74	14	7	5						
	15N/03E-13J03	M																	
08/19/75	5701	62 F			25	12	4.0	.8	.2	102	25	9.0	3.0	--	.1		112		
	5701	17 C	7.4	238	1.25	.99	.17	.02	.01	1.67	.52	.25	.05		35.0	164	28	0.2	
					51	41	7	1		67	21	10	2						
	15N/03E-13N01	M																	
07/01/75	5701	64 F			46	25	23	4.0	.5	239	16	45	.0	--	.1		220		
	5701	18 C	7.5	530	2.30	2.06	1.00	.10	.02	3.92	.33	1.27	.00		48.0	325	21	0.7	
					42	38	18	2		71	6	23							
	15N/03E-14J03	M																	
08/19/75	5701	64 F			50	32	16	2.1	.6	268	25	34	6.0	--	.1		256		
	5701	18 C	7.5	544	2.50	2.63	.70	.05	.02	4.39	.52	.96	.10		34.0	331	36	0.4	
					43	45	12	1		73	9	16	2						
	15N/04E-07L01	M																	
05/12/75	5701	64 F			30	19	11	2.1	.6	182	14	2.0	11.0	--	.1		152		
	5701	18 C	7.7	337	1.50	1.56	.48	.05	.02	2.98	.29	.06	.18		50.0	229	3	0.4	
					42	43	13	1	1	84	8	2	5						
	15N/04E-07M02	M																	
05/13/75	5701	63 F			36	27	13	2.5	.4	212	29	11	15.0	--	.1		200		
	5701	17 C	7.4	425	1.80	2.22	.57	.06	.01	3.47	.60	.31	.24		50.0	288	27	0.4	
					39	48	12	1		75	13	7	5						
	15N/04E-18C01	M																	
08/19/75	5701	63 F			34	21	13	1.6	.6	189	38	8.0	.0	--	.1		174		
	5701	17 C	7.7	378	1.70	1.73	.57	.04	.02	3.10	.79	.23	.00		37.0	246	16	0.4	
					42	43	14	1		75	19	6							
	15N/04E-18D01	M																	
03/05/75	5701	62 F			42	28	15	1.4	.6	234	37	15	10.0	--	.1		220		
	5701	17 C	7.6	468	2.10	2.30	.65	.04	.02	3.84	.77	.42	.16		44.0	308	27	0.4	
					41	45	13	1		74	15	8	3						
	15N/04E-31A01	M																	
06/05/75	5050	67 F	7.7	277	23	14	14	1.1	0	154	4.4	7.1	.1	.00	--	173	117		
0715	5050	19 C	8.3	274	1.15	1.15	.61	.03	.00	2.52	.09	.20	.00		--	139	0	0.6	
					39	39	21	1		90	3	7							
	15N/05E-07B01	M																	
06/09/75	5050	67 F	7.9	296	--	--	18	--	0	141	--	5.7	--	--	--		121		
0830	5050	19 C	8.1	301			.78		.00	2.31		.16			--			0.7	
							24												
	16N/03E-36E02	M																	
06/05/75	5050	64 F	7.3	668	58	47	18	1.8	0	356	52	10	18.0	.00	--	424	340		
1230	5050	18 C	8.1	669	2.89	3.87	.78	.05	.00	5.83	1.08	.28	.29		--	380	47	0.4	
					38	51	10	1		78	14	4	4						
	5-21.07		PLACER COUNTY																
	10N/05E-04Q01	M																	
06/04/75	5050	70 F	7.5	284	--	--	30	--	0	118	--	27	--	--	--		70		
0845	5050	21 C	7.8	278			1.31		.00	1.93		.76			--			1.6	
							48												
	11N/05E-17E01	M																	
06/04/75	5050	70 F	7.8	247	--	--	19	--	0	112	--	17	--	--	--		75		
0945	5050	21 C	7.8	245			.83		.00	1.84		.48			--			1.0	
							36												
	11N/06E-34B01	M																	
06/04/75	5050	70 F	6.9	276	21	9.7	20	1.4	0	136	6.1	10	3.0	.10	--	217	92		
0730	5050	21 C	7.8	274	1.05	.80	.87	.04	.00	2.23	.13	.28	.05		--	138	0	0.9	
					38	29	32	1		83	5	10	2						
	13N/05E-24P01	M																	
06/04/75	5050	67 F	7.1	269	16	10	23	.6	0	115	7.6	17	2.4	.10	--	195	82		
1050	5050	19 C	7.9	267	.80	.82	1.00	.02	.00	1.88	.16	.48	.04		--	133	0	1.1	
					30	31	38	1		73	6	19	2						
	5-21.08		SACRAMENTO COUNTY																
	05N/07E-11R02	M																	
06/17/75	5050	69 F	7.3	154	--	--	24	--	0	66	--	7.4	--	--	--		27		
1245	5050	21 C	7.5	153			1.04		.00	1.08		.21			--			2.0	
							66												

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER L48		TEMP	FIELD PH	FIELD EC	LABORATORY PH	LABORATORY EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	TDS SUM	TH NCM	SAR
								MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER									MILLIGRAMS PER LITER					
								PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER					
	5			CENTRAL VALLEY REGION																		
	5-21			SACRAMENTO VALLEY																		
	5-21.08			SACRAMENTO COUNTY																		
	06N/05E-03F01	M																				
06/17/75	5050		64	F	7.3	489	--	--	23	--	0	279	--	15	--	--	--			219		
0715	5050		18	C	7.7	488			1.00		.00	4.57		.42			--					0.7
									19													
	06N/05E-31L03	M																				
06/17/75	5050		66	F	7.9	271	--	--	22	--	0	151	--	14	--	--	--			109		
0800	5050		19	C	7.7	275			.96		.00	2.47		.39			--					0.9
									31													
	06N/06E-23C02	M																				
06/17/75	5050		65	F	7.3	272	--	--	19	--	0	128	--	16	--	--	--			104		
1445	5050		18	C	7.5	278			.83		.00	2.10		.45			--					0.8
									29													
	06N/06E-21P03	M																				
06/17/75	5050				7.3	201	--	--	35	--	0	81	--	6.6	--	--	--			23		
1315	5050				7.4	200			1.52		.00	1.33		.19			--					3.2
									77													
	07N/04E-11G02	M																				
06/16/75	5050		66	F	7.7	2020	--	--	278	--	0	197	--	566	--	--	--			381		
1545	5050		19	C	7.5	2100			12.09		.00	3.23		15.96			--					6.2
									61													
	07N/05E-03N01	M																				
06/18/75	5050		67	F	7.5	186	--	--	14	--	0	89	--	9.4	--	--	--			65		
0700	5050		19	C	7.6	185			.61		.00	1.46		.27			--					0.8
									32													
	07N/05E-07C01	M																				
06/17/75	5050		67	F	7.7	338	--	--	--	--	--	--	--	--	--	--	--		215			
0630	5050		19	C													--					
	07N/06E-10Q01	M																				
06/18/75	5050		67	F	7.3	207	--	--	19	--	0	108	--	8.0	--	--	--			63		
0745	5050		19	C	7.6	203			.83		.00	1.77		.23			--					1.0
									40													
	07N/07E-08B01	M																				
06/18/75	5050		67	F	7.1	231	--	--	27	--	0	127	--	7.5	--	--	--			66		
1015	5050		19	C	7.5	227			1.17		.00	2.08		.21			--					1.4
									47													
	07N/07E-14K01	M																				
06/18/75	5050		66	F	7.3	251	--	--	12	--	0	136	--	5.4	--	--	--			109		
0915	5050		19	C	7.4	258			.52		.00	2.23		.15			--					0.5
									19													
	07N/07E-33G01	M																				
06/18/75	5050		66	F	7.1	252	--	--	16	--	0	123	--	14	--	--	--			96		
0815	5050		20	C	7.5	257			.70		.00	2.02		.39			--					0.7
									27													
	08N/05E-06M01	M																				
06/23/75	5050		64	F	7.9	492	--	--	22	--	0	187	--	59	--	--	--			191		
1200	5050		18	C	7.6	489			.96		.00	3.06		1.66			--					0.7
									20													
	09N/04E-13F01	M																				
06/23/75	5050		63	F	7.3	516	--	--	32	--	0	189	--	55	--	--	--			190		
1300	5050		17	C	7.5	506			1.39		.00	3.10		1.55			--					1.0
									27													
	09N/05E-36K01	M																				
08/27/75	5050		68	F	7.7	237	--	--	9.0	--	0	112	--	6.9	--	--	--			90		
1250	5050		20	C	7.8	226			.39		.00	1.84		.19			--					0.4
									18													
	09N/06E-25P01	M																				
04/14/75	5050		65	F	6.9	260	--	--	--	--	--	--	--	4.7	--	--	--		172			
1000	5050		18	C										.13			--					
	09N/06E-34K01	M																				
06/18/75	5050		66	F	7.1	240	--	--	12	--	0	110	--	10	--	--	--			96		
1130	5050		19	C	7.5	238			.52		.00	1.80		.28			--					0.5
									21													
	09N/07E-10D01	M																				
06/18/75	5050		62	F	7.5	300	--	--	9.0	--	0	159	--	14	--	--	--			141		
1215	5050		17	C	7.5	301			.39		.00	2.61		.39			--					0.3
									12													
	09N/07E-16G01	M																				
04/17/75	5050				7.5	390	--	--	--	--	--	--	--	17	--	--	--		260			
1100	5050													.48			--					
	09N/07E-16M01	M																				
04/17/75	5050				7.3	410	--	--	--	--	--	--	--	15	--	--	--		286			
1030	5050													.42			--					
	09N/07E-16P01	M																				
04/14/75	5050		67	F	7.1	550	--	--	--	--	--	--	--	77	--	--	--		382			
1400	5050		19	C		570								2.17			--					

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	TDS SUM	TH NCH	SAR
					MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER									MILLIGRAMS PER LITER					
					MILLIEQUIVALENTS PER LITER														
					PERCENT REACTANCE VALUE														
	5		CENTRAL VALLEY REGION																
	5-21		SACRAMENTO VALLEY																
	5-21.08		SACRAMENTO COUNTY																
	09N/07E-16P02	M																	
04/14/75	5050	68	F 6.3	490	--	--	--	--	--	--	--	26	--	--	--		389		
1430	5050	20	C	509								.73			--				
	09N/07E-16Q01	M																	
04/17/75	5050	64	F	400	--	--	--	--	--	--	--	42	--	--	--		269		
0730	5050	18	C									1.18			--				
	09N/07E-16Q02	M																	
04/17/75	5050	68	F 7.1	355	--	--	--	--	--	--	--	15	--	--	--		245		
0745	5050	20	C									.42			--				
	10N/04E-30A01	M																	
06/18/75	5050	63	F 7.3	420	--	--	29	--	0	230	--	13	--	--	--			182	
1345	5050	17	C 7.4	417			1.26		.00	3.77		.37			--				1.0
							28												
	10N/05E-17M01	M																	
06/18/75	5050	70	F 7.5	338	--	--	29	--	0	161	--	40	--	--	--			91	
1500	5050	21	C 7.6	322			1.26		.00	2.64		1.13			--				1.3
							41												
	5-21.09		YOLO COUNTY																
	07N/03E-06H01	M																	
06/19/75	5050	60	F 7.7	970	--	--	59	--	0	561	--	37	--	--	--			448	
0815	5050	16	C 7.5	991			2.57		.00	9.19		1.04			--				1.2
							22												
	08N/02E-13M02	M																	
06/19/75	5050	64	F 7.9	1310	--	--	79	--	0	526	--	134	--	--	--			592	
0845	5050	18	C 7.6	1340			3.44		.00	8.62		3.78			--				1.4
							23												
	09N/02E-22M02	M																	
06/19/75	5050	65	F 7.7	1820	--	--	284	--	0	892	--	145	--	--	--			449	
0930	5050	18	C 7.7	1870			12.35		.00	14.62		4.09			--				5.8
							58												
	10N/01E-15M02	M																	
06/19/75	5050	62	F 7.7	520	--	--	34	--	0	242	--	32	--	--	--			193	
1445	5050	17	C 7.5	517			1.48		.00	3.97		.90			--				1.1
							28												
	10N/02E-17J03	M																	
06/19/75	5050	64	F 7.9	530	--	--	39	--	0	253	--	37	--	--	--			196	
1015	5050	18	C 7.7	533			1.70		.00	4.15		1.04			--				1.2
							30												
	11N/01E-16P01	M																	
06/19/75	5050	64	F 8.1	528	--	--	40	--	0	253	--	35	--	--	--			195	
1215	5050	18	C 7.6	543			1.74		.00	4.15		.99			--				1.2
							31												
	11N/02E-14F04	M																	
06/19/75	5050	65	F 8.1	495	--	--	51	--	0	278	--	24	--	--	--			155	
1130	5050	18	C 7.7	505			2.22		.00	4.56		.68			--				1.8
							42												
	08N/01W-20J02	M																	
06/20/75	5050	68	F 7.9	367	--	--	23	--	0	178	--	16	--	--	--			143	
0800	5050	20	C 7.4	378			1.00		.00	2.92		.45			--				0.8
							26												
	09N/01W-21E01	M																	
06/20/75	5050	63	F 7.5	652	--	--	28	--	0	322	--	74	--	--	--			292	
0845	5050	17	C 7.6	649			1.22		.00	5.28		2.09			--				0.7
							17												
	10N/01W-27C01	M																	
06/20/75	5050	65	F 7.5	980	--	--	60	--	0	472	--	66	--	--	--			418	
1045	5050	18	C 7.6	991			2.61		.00	7.74		1.86			--				1.3
							24												
	10N/02W-01M02	M																	
06/20/75	5050	65	F 7.5	480	--	--	32	--	0	261	--	19	--	--	--			194	
1015	5050	18	C 7.6	490			1.39		.00	4.28		.54			--				1.0
							26												
	10N/02W-26M01	M																	
06/20/75	5050	70	F 7.5	714	41	44	51	1.5	0	351	48	35	7.3	.20	--	417		283	
0930	5050	21	C 8.1	734	2.05	3.62	2.22	.04	.00	5.75	1.00	.99	.12		--	401		0	1.3
					26	46	28	1		73	13	13	2						
	12N/01W-21A01	M																	
06/19/75	5050		7.9	403	--	--	18	--	0	293	--	3.8	--	--	--			187	
1245	5050		7.6	411			.78		.00	4.31		.11			--				0.6
							17												
	5-21.11		SOLANO COUNTY																
	04N/03E-31F02	M																	
05/15/75	5050	65	F 8.4	890	--	--	147	--	0	332	--	79	--	--	--			108	
1030	5050	18	C 8.2	816			6.39		.00	5.44		2.23			--				6.2
							75												

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLEN LAB		TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	SAR
						MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
	5			CENTRAL VALLEY REGION															
	5-21			SACHAMENTO VALLEY															
	5-21.11			SOLANO COUNTY															
	05N/01E-23R01	M																	
05/15/75	5050		65 F	8.3	798	7.2	7.5	152	.6	12	319	77	24	.1	1.20	--	492	49	
0745	5050		18 C	8.5	749	.36	.62	6.61	.02	.40	5.23	1.60	.68	.00		--	438	0	9.5
						5	9	87		5	66	20	9						
	05N/01E-35B01	M																	
05/15/75	5050		64 F	7.5	1780	71	56	170	.6	0	323	88	269	62.0	.60	--	979	406	
0845	5050		18 C	8.2	1570	3.54	4.61	7.40	.02	.00	5.29	1.83	7.59	1.00		--	876	143	3.7
						23	30	48			34	12	48	6					
	06N/01E-13J02	M																	
05/20/75	5050			7.9	625	--	--	79	--	2.0	315	--	25	--	--	--		146	
1350	5050			8.4	605			3.44		.07	5.16		.71						2.8
								54											
	06N/01E-19Q01	M																	
05/20/75	5050			7.3	900	--	--	61	--	0	319	--	58	--	--	--		281	
1245	5050			8.2	812			2.65		.00	5.23		1.64			--			1.6
								32											
	06N/02E-19J01	M																	
05/23/75	5050		65 F	7.7	1300	27	85	105	.6	12	422	70	134	50.0	.30	--	698	420	
1030	5050		18 C	8.4	1200	1.35	6.99	4.57	.02	.40	6.92	1.46	3.78	.81		--	691	51	2.2
						10	54	35		3	52	11	28	6					
	07N/01E-14G02	M																	
09/03/75	5701		68 F			34	30	45	1.6	1.6	295	28	18	15.0	--	.1		208	
	5701		20 C	7.9	550	1.70	2.47	1.96	.05	.05	4.84	.58	.51	.24		30.0	348	0	1.4
						28	40	32	1	1	78	9	8	4					
	07N/01E-14J01	M																	
06/24/75	5701		66 F			62	74	36	2.3	3.8	555	34	19	30.0	.52	.1		460	
	5701		19 C	8.0	937	3.09	6.09	1.57	.06	.13	9.10	.71	.54	.48		20.0	555	0	0.7
						29	56	15	1	1	83	6	5	4					
	07N/01E-23A02	M																	
03/04/75	5701		66 F			73	95	45	1.6	1.4	665	35	31	44.0	--	.1		572	
	5701		19 C	7.5	1120	3.64	7.81	1.96	.04	.05	10.90	.73	.87	.71		43.0	696	25	0.8
						27	58	15			82	6	7	5					
	07N/01E-23A04	M																	
03/04/75	5701		67 F			36	35	45	1.5	1.8	334	27	18	13.0	--	.0		236	
	5701		19 C	7.9	605	1.80	2.88	1.96	.04	.06	5.47	.56	.51	.21		28.0	370	0	1.3
						27	43	29	1	1	80	8	7	3					
	07N/01E-23G02	M																	
06/23/75	5701		67 F			55	55	32	2.2	2.4	443	28	19	22.0	--	.1		366	
	5701		19 C	7.9	753	2.74	4.52	1.39	.06	.08	7.26	.58	.54	.35		31.0	464	0	0.7
						31	52	16	1	1	82	7	6	4					
	07N/01E-24C02	M																	
06/23/75	5701		66 F			66	75	40	2.7	1.6	589	30	19	28.0	--	.0		472	
	5701		19 C	7.6	955	3.29	6.17	1.74	.07	.05	9.65	.62	.54	.45		33.0	585	0	0.8
						29	55	15	1		85	5	5	4					
	07N/02E-02D01	M																	
05/27/75	5050		66 F	7.9	1100	--	--	63	--	10	610	--	32	--	--	--		484	
1500	5050		19 C	8.4	1030			2.74		.33	10.00		.90			--			1.2
								22											
	07N/02E-02F02	M																	
05/21/75	5050		67.5F	7.9	900	37	72	47	1.2	26	470	31	23	8.0	.60	--	482	391	
1300	5050		19.7C	8.4	842	1.85	5.92	2.04	.03	.47	7.70	.65	.65	.13		--	477	0	1.0
						19	60	21		9	77	7	7	1					
	07N/02E-06N01	M																	
05/21/75	5050		68.5F	8.1	670	43	47	34	2.7	13	363	29	11	15.0	.60	--	419	299	
1130	5050		20.3C	8.4	653	2.15	3.87	1.48	.07	.43	5.95	.60	.31	.24		--	374	0	0.9
						28	51	20	1	6	79	8	4	3					
	07N/02E-18R02	M																	
05/20/75	5050		65 F	7.5	1190	--	--	47	--	0	557	--	27	--	--	--		469	
1445	5050		18 C	8.1	954			2.04		.00	9.13		.76			--			0.9
								18											
	07N/02E-34C02	M																	
05/20/75	5050		65 F	7.8	925	--	--	47	--	0	477	--	33	--	--	--		400	
1550	5050		18 C	8.3	832			2.04		.00	7.82		.93			--			1.0
								20											
	08N/02E-21K01	M																	
05/21/75	5050		77 F	8.1	520	--	--	97	--	4.0	250	--	18	--	--	--		92	
1015	5050		25 C	8.3	513			4.22		.13	4.10		.51			--			4.4
								70											
	06N/01W-01B04	M																	
05/20/75	5050			7.5	625	--	--	46	--	0	260	--	48	--	--	--		212	
1150	5050			8.2	602			2.00		.00	4.26		1.35			--			1.4
								32											
	07N/01W-14P03	M																	
05/21/75	5050		70 F	7.4	380	--	--	31	--	0	183	--	11	--	--	--		129	
0830	5050		21 C	8.2	362			1.35		.00	3.00		.31			--			1.2
								34											
	5-22.01			SAN JOAQUIN COUNTY															
	01N/06E-01J01	M																	
04/18/75	5701		68 F			46	22	25	4.9	.9	211	14	41	22.0	--	.2		208	
	5701		20 C	7.8	517	2.30	1.81	1.09	.13	.03	3.46	.29	1.16	.35		73.0	353	31	0.8
						43	34	20	2	1	65	5	22	7					

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	TDS SUM	TH NCH	SAR
	5			CENTRAL VALLEY REGION																
	5-22			SAN JOAQUIN VALLEY																
	5-22.01			SAN JOAQUIN COUNTY																
	01N/06E-04J01	M																		
10/01/74	4203					18	9.6	138	1.5	--	186	4.5	161	1.9	--	--		489	86	
	4203			7.9	832	.92	.79	6.00	.04		3.05	.09	4.54	.03		--				6.5
						12	10	77	1		40	1	59							
	01N/06E-06K01	M																		
10/01/74	5110					9.0	5.0	133	2.0	0	244	5.0	96	.0	--	--		492	42	
	9597			8.0	650	.45	.41	5.79	.05	.00	4.00	.10	2.71	.00		--		370	0	8.8
						7	6	86	1		59	1	40							
	01N/06E-09J01	M																		
10/01/74	5110					78	28	265	3.0	0	397	38	402	1.0	--	--		1209	310	
	9597			7.8	1870	3.89	2.30	11.53	.08	.00	6.51	.79	11.34	.02		--		1010	0	6.6
						22	13	65			35	4	61							
	01N/06E-10Q06	M																		
09/24/75	2489					96	38	270	2.0	0	109	1.0	601	.1	--	.1		1164	394	
	5999			7.7	2130	4.79	3.13	11.75	.05	.00	1.79	.02	16.95	.00		37.0		1099	307	5.9
						24	16	60			10		90							
	01N/06E-10Q07	M																		
09/24/75	2489					76	34	310	3.7	0	106	1.3	601	.1	--	.1		1180	329	
	5999			7.8	2150	3.79	2.80	13.49	.09	.00	2.72	.03	16.95	.00		56.0		1164	194	7.4
						19	14	67			14		86							
	01N/06E-11E02	M																		
10/23/74	4203					27	15	155	2.2	--	15	.5	340	1.0	--	--		533	135	
	4203			9.7	960	1.38	1.30	6.74	.06		.25	.01	9.59	.02		--				5.8
						15	14	71	1		3		97							
	01N/06E-11K01	M																		
01/22/75	5701	70	F			16	7.0	95	1.0	.9	164	.0	96	.0	--	.4			68	
	5701	21	C	7.9	561	.80	.58	4.13	.03	.03	2.69	.00	2.71	.00		64.0		361	0	5.0
						14	10	75	1	1	50		50							
09/11/75	5701	70	F			14	6.0	94	1.4	.2	168	1.0	91	1.0	--	.2			62	
	5701	21	C	7.3	553	.70	.49	4.09	.04	.01	2.75	.02	2.57	.02		57.0		348	0	5.3
						13	9	77	1		51		48							
	01N/06E-12A01	M																		
04/16/75	5701	67	F			26	12	30	2.8	.7	150	9.0	32	10.0	--	.1			116	
	5701	19	C	7.9	371	1.30	.99	1.31	.07	.02	2.46	.19	.90	.16		55.0		251	0	1.2
						35	27	36	2	1	66	5	24	4						
	01N/06E-12C09	M																		
03/12/75	5701	69	F			14	4.0	90	2.1	1.6	183	1.0	68	1.0	--	.2			54	
	5701	21	C	8.1	512	.70	.33	3.92	.05	.05	3.00	.02	1.92	.02		67.0		339	0	5.5
						14	7	78	1	1	60		38							
09/10/75	5701	72	F			25	11	91	3.6	.3	161	1.0	121	.0	.60	.2			106	
	5701	22	C	7.4	668	1.23	.90	3.96	.09	.01	2.64	.02	3.41	.00		58.0		391	0	3.8
						20	15	64	1		43		56							
	01N/06E-12C10	M																		
03/12/75	5701	69	F			31	15	32	3.4	.5	126	6.0	72	.0	--	.1			140	
	5701	21	C	7.8	446	1.55	1.23	1.39	.09	.02	2.07	.12	2.03	.00		53.0		275	35	1.2
						36	29	33	2		49	3	48							
09/11/75	5701	65	F			43	19	30	4.3	.2	119	7.0	104	2.0	--	.1			188	
	5701	18	C	7.3	546	2.15	1.56	1.31	.11	.01	1.95	.15	2.93	.03		45.0		313	88	1.0
						42	30	26	2		38	3	58	1						
	01N/06E-12C11	M																		
09/10/75	5701	72	F			13	5.0	95	2.5	.3	183	1.0	82	.0	--	.2			52	
	5701	22	C	7.4	536	.65	.41	4.13	.06	.01	3.00	.02	2.31	.00		59.0		348	0	5.7
						12	8	79	1		56		43							
	01N/06E-12F01	M																		
10/22/74	5701	71	F			8.0	3.0	90	1.2	.5	177	1.0	54	4.0	--	.1		316	30	
	5701	22	C	7.7	443	.40	.25	3.92	.03	.02	2.90	.02	1.52	.06		60.0		317	0	6.9
						9	5	85	1		64		34	1						
	01N/06E-12K03	M																		
01/22/75	5701	68	F			23	9.0	42	1.9	.8	140	.0	50	.0	--	.2			96	
	5701	20	C	7.9	388	1.15	.74	1.83	.05	.03	2.29	.00	1.41	.00		52.0		248	0	1.9
						31	20	49	1	1	61		38							
	01N/06E-12N01	M																		
01/22/75	5701	68	F			25	10	80	1.4	.6	141	.0	118	.0	--	.2			104	
	5701	20	C	7.8	615	1.25	.82	3.48	.04	.02	2.31	.00	3.33	.00		56.0		360	0	3.4
						22	15	62	1		41		59							
09/11/75	5701	69	F			30	13	81	2.0	.4	143	1.0	130	3.0	--	.2			128	
	5701	21	C	7.6	664	1.50	1.07	3.52	.05	.01	2.34	.02	3.84	.05		52.0		389	11	3.1
						24	17	57	1		37		61	1						
	01N/06E-13G02	M																		
02/13/75	5701	68	F			16	14	49	2.4	.8	157	1.0	51	1.0	--	.3			98	
	5701	20	C	7.9	429	.80	1.15	2.13	.06	.03	2.57	.02	1.44	.02		58.0		270	0	2.2
						19	28	51	1	1	63		35							
09/11/75	5701	67	F			26	11	45	2.4	.3	156	1.0	53	4.0	--	.2			110	
	5701	19	C	7.5	424	1.30	.90	1.96	.06	.01	2.56	.02	1.49	.06		49.0		268	0	1.9
						31	21	46	1		62		36	1						
	01N/06E-13J01	M																		
01/22/75	5701	66	F			16	6.0	37	1.7	.6	143	.0	20	.0	--	.3			64	
	5701	19	C	7.8	287	.80	.49	1.61	.04	.02	2.34	.00	.56	.00		56.0		208	0	2.0
						27	17	55	1	1	80		19							

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	TDS SUM	TH NCH	SAR
	5																			
	5-22																			
		CENTRAL VALLEY REGION																		
		SAN JOAQUIN VALLEY																		
	5-22.01	SAN JOAQUIN COUNTY																		
	01N/06E-15E01	M																		
10/02/74	5110					190	65	435	7.0	0	159	12	1115	.0	--	--	2032	740		
	9597			7.4	3000	9.46	5.35	18.92	.18	.00	2.61	.25	31.44	.00		--	1902	611	7.0	
						28	16	56	1		8	1	92							
	01N/06E-15E03	M																		
10/02/74	5110					203	66	478	7.0	0	165	12	1210	4.0	--	--	2138	778		
	9597			7.3	4000	10.13	5.43	20.79	.18	.00	2.70	.25	34.12	.06		--	2061	644	7.5	
						28	15	57			7	1	92							
	01N/06E-22J01	M																		
10/23/74	4203					47	13	165	3.7	--	165	3.5	270	.6	--	--	644	173		
	4203			7.6	1000	2.36	1.09	7.18	.09		2.70	.07	7.61	.01		--			5.5	
						22	10	67	1		26	1	73							
	01N/06E-34J01	M																		
10/03/74	5110					211	48	259	7.0	0	354	67	678	21.0	--	--	1638	722		
	9597			7.4	2900	10.53	3.95	11.27	.18	.00	5.80	1.39	19.12	.34		--	1465	434	4.2	
						41	15	43	1		22	5	72	1						
	01N/06E-35N01	M																		
10/03/74	5110					116	34	140	6.0	0	287	24	364	.0	--	--	965	430		
	9597			7.5	1580	5.79	2.80	6.09	.15	.00	4.70	.50	10.26	.00		--	825	195	2.9	
						39	19	41	1		30	3	66							
	01N/06E-35P01	M																		
10/02/74	5110					46	15	95	3.0	0	229	17	138	1.0	--	--	541	175		
	9597			7.6	760	2.30	1.23	4.13	.08	.00	3.75	.35	3.89	.02		--	428	0	3.1	
						30	16	53	1		47	4	49							
	01N/06E-35P02	M																		
10/02/74	5110					41	12	76	3.0	0	237	22	82	1.0	--	--	471	152		
	9597			7.7	600	2.05	.99	3.31	.08	.00	3.88	.46	2.31	.02		--	354	0	2.7	
						32	15	51	1		58	7	35							
	01N/06E-35P03	M																		
10/03/74	5110					104	38	194	6.0	0	396	36	348	17.0	--	--	1133	418		
	9597			7.5	1750	5.19	3.13	8.44	.15	.00	6.49	.75	9.81	.27		--	938	92	4.1	
						31	19	50	1		37	4	57	2						
	01N/07E-04F01	M	69	F																
10/22/74	5701					18	7.0	24	4.7	.4	141	1.0	9.0	5.0	--	.0	204	76		
	5701		21	C	7.7	257	.90	.58	1.04	.12	.01	2.31	.02	.25	.08		65.0	203	0	1.2
						34	22	39	5		87	1	9	3						
			69	F																
03/12/75	5701					19	7.0	24	4.3	.4	129	9.0	10	4.0	--	.1		76		
	5701		21	C	7.7	259	.95	.58	1.04	.11	.01	2.11	.28	.06		66.0	207	0	1.2	
						35	22	39	4		80	7	11	2						
	01N/07E-04G01	M	71	F																
10/22/74	5701					8.0	2.0	32	2.0	.4	111	1.0	7.0	2.0	--	.1	166	29		
	5701		22	C	7.8	198	.40	.16	1.39	.05	.01	1.82	.02	.20	.03		57.0	166	0	2.6
						20	8	70	3		88	1	10	1						
			69	F																
04/15/75	5701					8.0	3.0	32	1.7	.6	106	1.0	10	.0	--	.2		32		
	5701		21	C	7.9	205	.40	.25	1.39	.04	.02	1.74	.02	.28	.00		56.0	164	0	2.4
						19	12	67	2	1	84	1	14							
	01N/07E-05A01	M	69	F																
02/13/75	5701					19	6.0	22	4.5	.4	124	9.0	9.0	1.0	--	.1		74		
	5701		21	C	7.7	248	.95	.49	.96	.12	.01	2.03	.19	.25	.02		64.0	196	0	1.1
						38	19	38	5		81	8	10	1						
	01N/07E-05N01	M	66	F																
04/16/75	5701					43	21	30	4.4	.7	211	16	39	27.0	--	.1		196		
	5701		19	C	7.7	521	2.15	1.73	1.31	.11	.02	3.46	.33	1.10	.44		61.0	346	20	0.9
						41	33	25	2		65	6	21	8						
	01N/07E-07E01	M	68	F																
04/16/75	5701					26	12	28	2.9	.9	152	9.0	31	5.0	--	.1		120		
	5701		20	C	8.0	358	1.40	.99	1.22	.07	.03	2.49	.19	.87	.08		62.0	254	0	1.1
						38	27	33	2	1	68	5	24	2						
	01N/07E-08F02	M	71	F																
10/22/74	5701					5.0	2.0	49	1.1	.6	138	1.0	10	2.0	--	.2	202	21		
	5701		22	C	7.8	243	.25	.16	2.13	.03	.02	2.26	.02	.28	.03		64.0	203	0	4.7
						10	6	83	1	1	87	1	11	1						
						4.0	2.0	49	1.0	.7	131	1.0	11	1.0	.19	.2		20		
01/31/75	5701				7.9	250	.20	.16	2.13	.03	.02	2.15	.02	.31	.02		64.0	198	0	5.0
	5701						8	6	85	1	1	85	1	12	1					
	01N/07E-08H02	M	70	F																
03/12/75	5701					4.0	2.0	47	.9	.7	126	2.0	10	2.0	--	.2		18		
	5701		21	C	7.9	239	.20	.16	2.04	.02	.02	2.07	.04	.28	.03		59.0	190	0	4.8
						8	7	84	1	1	85	2	11	1						
			67	F																
09/12/75	5701					2.0	6.0	45	1.2	.2	139	1.0	10	.0	--	.2		28		
	5701		19	C	7.4	240	.10	.49	1.96	.03	.01	2.28	.02	.28	.00		55.0	189	0	3.6
						4	19	76	1		88	1	11							
	01N/07E-08P01	M	70	F																
10/22/74	5701					11	4.0	42	2.0	.4	141	1.0	15	2.0	--	.1	209	44		
	5701		21	C	7.7	262	.55	.33	1.83	.05	.01	2.31	.02	.42	.03		63.0	210	0	2.8
						20	12	66	2		83	1	15	1						
			68	F																
02/13/75	5701					11	4.0	39	1.9	.7	128	1.0	16	3.0	--	.1		44		
	5701		20	C	7.9	269	.55	.33	1.70	.05	.02	2.10	.02	.45	.05		65.0	205	0	2.6
						21	13	65	2	1	80	1	17	2						

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	TDS SUM	TH NCM	SAR
	5		CENTRAL VALLEY REGION																
	5-22		SAN JOAQUIN VALLEY																
	3-22.01		SAN JOAQUIN COUNTY																
	01N/07E-16M01	M																	
01/22/75	5701	69	F		9.0	5.0	45	2.4	1.0	142	.0	16	.0	--	.2			42	
	5701	21	C	8.0	274	.45	.41	1.96	.06	.03	2.33	.00	.45	.00		62.0	210	0	3.0
						16	14	68	2	1	93		16						
07/02/75	5701	69	F		10	3.0	45	2.2	.8	143	1.0	16	.0	--	.2			38	
	5701	21	C	7.9	268	.50	.25	1.96	.06	.03	2.34	.02	.45	.00		50.0	196	0	3.2
						18	9	71	2	1	82	1	16						
	01N/07E-17Q01	M																	
01/22/75	5701	68	F		10	5.0	44	2.2	.7	135	3.0	18	1.0	--	.2			46	
	5701	20	C	7.9	289	.50	.41	1.91	.06	.02	2.21	.06	.51	.02		60.0	210	0	2.8
						17	14	66	2	1	78	2	18	1					
	01N/07E-17Q02	M																	
03/12/75	5701	70	F		12	5.0	45	1.7	.8	145	4.0	19	.0	--	.2			50	
	5701	21	C	7.9	301	.60	.41	1.96	.04	.03	2.38	.08	.54	.00		59.0	218	0	2.8
						20	14	65	1	1	79	3	18						
07/02/75	5701	68	F		15	6.0	45	2.4	.6	150	5.0	26	.0	--	.1			62	
	5701	20	C	7.8	318	.75	.49	1.96	.06	.02	2.46	.10	.73	.00		49.0	223	0	2.5
						23	15	60	2	1	74	3	22						
	01N/07E-17P01	M																	
06/11/75	5050	64	F	7.9	336	--	--	22	--	0	138	--	28	--	--	--		120	
0730	5050	18	C	8.0	334			.96		.00	2.26		.79			--			0.9
								29											
	01N/07E-18B01	M																	
04/16/75	5701	68	F		9.0	4.0	42	1.6	.8	135	1.0	14	.0	--	.2			38	
	5701	20	C	8.0	255	.45	.33	1.83	.04	.03	2.21	.02	.39	.00		62.0	201	0	2.9
						17	12	69	2	1	83	1	15						
	01N/07E-18Q01	M																	
09/11/75	5701	68	F		14	4.0	40	1.7	.4	136	1.0	17	4.0	--	.1			50	
	5701	20	C	7.6	280	.70	.33	1.74	.04	.01	2.23	.02	.48	.06		49.0	198	0	2.4
						25	12	62	1		80	1	17	2					
	01N/07E-18E02	M																	
05/20/75	5701	70	F		10	3.0	47	1.6	.5	153	3.0	10	3.0	--	.1			38	
	5701	21	C	7.7	278	.50	.25	2.04	.04	.02	2.51	.06	.28	.05		56.0	209	0	3.3
						18	9	72	1	1	86	2	10	2					
08/21/75	5701	69	F		14	3.0	39	1.5	.6	131	2.0	17	1.0	--	.2			48	
	5701	21	C	7.8	270	.70	.25	1.70	.04	.02	2.15	.04	.48	.02		50.0	193	0	2.5
						26	9	63	1	1	79	1	18	1					
	01N/07E-18E03	M																	
08/21/75	5701	69	F		14	5.0	44	1.8	.5	143	1.0	26	.0	--	.2			56	
	5701	21	C	7.7	316	.70	.41	1.91	.05	.02	2.34	.02	.73	.00		50.0	213	0	2.6
						23	13	62	2	1	75	1	23						
	01N/07E-18L01	M																	
01/22/75	5701	67	F		10	4.0	47	1.6	.8	140	.0	17	.0	--	.2			40	
	5701	19	C	7.9	279	.50	.33	2.04	.04	.03	2.29	.00	.48	.00		60.0	209	0	3.2
						17	11	70	1	1	82		17						
	01N/07E-30E01	M																	
01/22/75	5701	66	F		28	8.0	44	2.2	.4	131	13	58	.0	--	.2			104	
	5701	19	C	7.6	428	1.40	.66	1.91	.06	.01	2.15	.27	1.64	.00		50.0	268	0	1.9
						35	16	47	1		53	7	40						
09/11/75	5701	66	F	.	33	9.0	44	2.8	.3	131	20	66	.0	--	.2			120	
	5701	19	C	7.5	458	1.65	.74	1.91	.07	.01	2.15	.42	1.86	.00		49.0	289	12	1.8
						38	17	44	2		48	9	42						
	01N/08E-15J01	M																	
06/11/75	5050	66	F	7.3	445	--	--	23	--	0	230	--	24	--	--	--		193	
0915	5050	19	C	8.0	456			1.00		.00	3.77		.68			--			0.7
								21											
	01N/09E-16F01	M																	
06/16/75	5050	66	F	7.3	228	--	--	8.2	--	0	102	--	14	--	--	--		84	
1300	5050	19	C	7.4	229			.36		.00	1.67		.39			--			0.4
								18											
	02N/06E-04E01	M																	
10/02/74	5110					50	12	21	4.0	0	214	14	26	10.0	--	--	347	172	
	9597			7.8	440	2.50	.99	.91	.10	.00	3.51	.29	.73	.16		--	242	0	0.7
						56	22	20	2		75	6	16	3					
	02N/06E-08C01	M																	
10/02/74	5110					47	13	30	3.0	0	256	14	14	7.0	--	--	381	172	
	9597			7.7	440	2.35	1.07	1.31	.08	.00	4.20	.29	.39	.11		--	254	0	1.0
						49	22	27	2		84	6	8	2					
	02N/06E-08J02	M																	
10/02/74	5110					76	27	28	4.0	0	287	38	52	44.0	--	--	552	302	
	9597			7.6	700	3.79	2.22	1.22	.10	.00	4.70	.79	1.47	.71		--	410	66	0.7
						52	30	17	1		61	10	19	9					
	02N/06E-09J01	M																	
10/08/74	4203					32	12	24	3.9	--	173	10	25	1.0	--	--	299	134	
	4203			8.2	429	1.60	1.06	1.04	.10		2.84	.22	.71	.02		--			0.9
						42	28	27	3		75	6	19	1					
	02N/06E-16C02	M																	
06/11/75	5050	65	F	7.7	480	--	--	19	--	0	220	--	30	--	--	--		218	
1315	5050	18	C	7.9	484			.83		.00	3.61		.85			--			0.6
								16											

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLE LAB		TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	TDS SUM	TH NCH	SAR
						MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER					
	5 S-22		CENTRAL VALLEY REGION SAN JOAQUIN VALLEY																	
	S-22.01 02N/06E-16D03	M	SAN JOAQUIN COUNTY																	
10/03/74	5110 9597			7.3	280	28 1.40 48	9.0 .74 25	16 .70 24	4.0 .10 3	0 .00	152 2.49 81	14 .29 9	10 .28 9	1.0 .02 1	--	-- --		230 157	108 0	0.7
	02N/06E-16E01	M																		
10/03/74	5110 9597			7.8	380	40 2.00 52	9.0 .74 19	24 1.04 27	3.0 .08 2	0 .00	183 3.00 72	19 .40 10	24 .68 16	5.0 .08 2	--	-- --		304 214	135 0	0.9
	02N/06E-16M01	M																		
10/23/74	4203 4203			7.6	420	29 1.46 36	12 1.00 25	33 1.44 36	4.3 .11 3	--	161 2.64 64	17 .35 8	41 1.16 28	.1 .00	--	-- --		273	124	1.3
	02N/06E-17A01	M																		
10/03/74	5110 9597			7.3	440	48 2.40 51	17 1.40 30	20 .87 18	2.0 .05 1	0 .00	201 3.29 69	19 .40 8	32 .90 19	12.0 .19 4	--	-- --		349 249	190 26	0.6
	02N/06E-17J01	M																		
10/01/74	4203 4203			7.5	307	23 1.17 44	7.0 .58 22	21 .91 34	--	--	138 2.26 82	4.5 .09 3	14 .39 14	.6 .01	--	-- --		161	88	1.0
	02N/06E-19L01	M																		
10/01/74	5110 9597			7.8	750	32 1.60 21	7.0 .58 8	123 5.35 71	2.0 .05 1	0 .00	250 4.10 53	12 .25 3	120 3.38 44	.0 .00	--	-- --		544 419	107 0	5.1
	02N/06E-19P01	M																		
10/01/74	5110 9597			7.4	1090	36 1.80 18	10 .82 8	174 7.57 74	3.0 .08 1	0 .00	238 3.90 37	5.0 .10 1	232 6.54 62	.0 .00	--	-- --		695 577	132 0	6.6
	02N/06E-19P02	M																		
10/01/74	5110 9597			7.8	850	28 1.40 16	10 .82 10	143 6.22 73	3.0 .08 1	0 .00	256 4.20 49	17 .35 4	140 3.95 46	.0 .00	--	-- --		594 467	110 0	5.9
	02N/06E-20F01	M																		
10/01/74	4203 4203			7.8	392	26 1.34 38	8.8 .72 20	34 1.50 42	--	--	165 2.70 74	4.5 .09 2	30 .86 23	.5 .01	--	-- --		249	104	1.5
	02N/06E-20J01	M																		
10/03/74	5110 9597			7.9	300	19 .95 29	8.0 .66 20	36 1.57 48	3.0 .08 2	0 .00	171 2.80 85	7.0 .15 5	12 .34 10	.0 .00	--	-- --		253 169	80 0	1.7
	02N/06E-20L01	M																		
10/03/74	5110 9597			7.7	650	55 2.74 42	19 1.56 24	49 2.13 32	6.0 .15 2	0 .00	262 4.29 63	22 .46 7	72 2.03 30	1.0 .02	--	-- --		480 353	215 1	1.5
	02N/06E-20M02	M																		
10/08/74	4203 4203			8.3	413	22 1.14 29	11 .93 24	40 1.74 45	4.0 .10 3	--	146 2.39 70	7.5 .16 5	31 .87 25	.3 .00	--	-- --		308	104	1.7
	02N/06E-21C01	M																		
10/03/74	5110 9597			7.8	360	35 1.75 46	13 1.07 28	20 .87 23	4.0 .10 3	0 .00	189 3.10 76	17 .35 9	22 .62 15	.0 .00	--	-- --		296 204	142 0	0.7
	02N/06E-21C02	M																		
10/03/74	5110 9597			7.7	580	65 3.24 52	17 1.40 23	35 1.52 25	1.0 .03	0 .00	256 4.20 66	46 .96 15	44 1.24 19	.0 .00	--	-- --		463 334	232 22	1.0
	02N/06E-21F01	M																		
10/02/74	5110 9597			7.1	660	78 3.89 52	23 1.89 25	38 1.65 22	2.0 .05 1	0 .00	293 4.80 68	41 .85 12	46 1.30 18	8.0 .13 2	--	-- --		527 380	290 49	1.0
	02N/06E-21F02	M																		
10/03/74	5110 9597			7.9	280	29 1.45 47	8.0 .66 21	21 .91 29	3.0 .08 3	0 .00	159 2.61 79	14 .29 9	14 .39 12	.0 .00	--	-- --		245 167	105 0	0.9
	02N/06E-21K01	M	65 F 18 C																	
05/20/75	5701 5701			7.6	383	36 1.80 45	15 1.23 31	20 .87 22	5.0 .13 3	.5 .02	180 2.95 74	23 .48 12	20 .56 14	.0 .00	--	.2 45.0		253	150 3	0.7
			64 F 21 C																	
09/12/75	5701 5701			7.1	362	34 1.70 44	15 1.23 32	19 .83 21	4.7 .12 3	.2 .01	190 3.11 79	20 .42 11	14 .39 10	2.0 .03 1	--	.1 44.0		246	146 0	0.7
	02N/06E-22B01	M	65 F 18 C																	
02/13/75	5701 5701			7.8	458	46 2.30 47	20 1.64 34	19 .83 17	4.2 .11 2	.8 .03 1	196 3.21 68	38 .79 17	24 .68 14	1.0 .02	--	.1 57.0		306	35	0.6
02/25/75	5701 5701			8.0	449	44 2.20 47	19 1.56 33	20 .87 18	4.1 .10 2	1.3 .04 1	195 3.20 67	38 .79 16	24 .68 14	5.0 .08 2	.25	.2 59.0		311	190 26	0.6

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER L48	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TM NCM	SAR
	5		CENTRAL VALLEY REGION															
	5-22		SAN JOAQUIN VALLEY															
	5-22.01		SAN JOAQUIN COUNTY															
	02N/06E-22E01	M																
02/14/75	5701				38	17	18	4.0	1.5	180	30	20	4.0	.00	.2		164	
	5701		6.1	393	1.90	1.40	.78	.10	.05	2.95	.62	.56	.06		56.0	277	15	0.6
					45	33	19	2	1	70	15	13	1					
	02N/06E-22G01	M																
02/13/75	5701	68	F		24	8.0	29	3.5	1.3	156	10	15	1.0	--	.2		94	
	5701	20	C 6.1	318	1.20	.66	1.26	.09	.04	2.56	.21	.42	.02		54.0	223	0	1.3
					37	21	39	3	1	79	6	13	1					
	02N/06E-22Q01	M																
03/12/75	5701	66	F		31	14	25	4.0	1.0	181	19	15	.0	--	.2		134	
	5701	19	C 7.9	372	1.55	1.15	1.09	.10	.03	2.97	.40	.42	.00		55.0	253	0	0.9
					40	30	28	3	1	78	10	11						
09/12/75	5701	70	F		34	15	22	4.5	.3	193	24	13	3.0	--	.2		148	
	5701	21	C 7.4	381	1.70	1.23	.96	.12	.01	3.16	.50	.37	.05		48.0	259	0	0.8
					42	31	24	3		77	12	9	1					
	02N/06E-22Q02	M																
10/24/74	5701				30	16	25	4.2	.8	194	19	12	3.0	--	.1	268	143	
	5701		7.8	382	1.50	1.32	1.09	.11	.03	3.18	.40	.34	.05		62.0	267	0	0.9
					37	33	27	3	1	80	10	9	1					
04/15/75	5701	69	F		30	17	25	3.6	.5	190	23	13	6.0	--	.2		144	
	5701	21	C 7.6	388	1.50	1.40	1.09	.09	.02	3.11	.48	.37	.10		58.0	270	0	0.9
					37	34	27	2		76	12	9	2					
	02N/06E-27B01	M																
04/15/75	5701	70	F		27	14	28	3.8	.6	182	18	13	.0	--	.2		124	
	5701	21	C 7.7	360	1.35	1.15	1.22	.10	.02	2.98	.37	.37	.00		55.0	249	0	1.1
					35	30	32	3	1	80	10	10						
	02N/06E-27K01	M																
10/23/74	5701	69	F		29	14	25	5.4	1.0	189	16	14	.0	--	.2	248	130	
	5701	21	C 7.9	366	1.45	1.15	1.09	.14	.03	3.10	.33	.39	.00		50.0	247	0	1.0
					38	30	28	4	1	81	9	10						
05/20/75	5701	65	F		34	15	25	5.5	1.1	198	20	12	3.0	--	.2		144	
	5701	18	C 7.9	382	1.70	1.23	1.09	.14	.04	3.25	.42	.34	.05		47.0	260	0	0.9
					41	30	26	3	1	79	10	8	1					
	02N/06E-27K02	M																
10/23/74	5701	69	F		31	15	27	5.2	.9	199	16	16	.0	--	.1	261	139	
	5701	21	C 7.8	391	1.55	1.23	1.17	.13	.03	3.26	.33	.45	.00		52.0	261	0	1.0
					38	30	29	3	1	80	8	11						
02/13/75	5701	66	F		34	17	27	5.2	.8	201	19	15	.0	--	.1		152	
	5701	19	C 7.8	403	1.70	1.40	1.17	.13	.03	3.29	.40	.42	.00		52.0	269	0	0.9
					39	32	27	3	1	79	10	10						
	02N/06E-27L01	M																
10/23/74	5701				29	12	32	4.6	.5	187	17	17	4.0	--	.1	268	122	
	5701		7.6	385	1.45	.99	1.39	.12	.02	3.06	.35	.48	.06		60.0	268	0	1.3
					37	25	35	3	1	77	9	12	2					
	02N/06E-27P01	M																
08/21/75	5701	68	F		14	5.0	34	2.4	.6	138	6.0	9.0	.0	--	.2		54	
	5701	20	C 7.8	250	.70	.41	1.48	.06	.02	2.26	.12	.25	.00		47.0	186	0	2.0
					26	15	56	2	1	85	5	9						
	02N/06E-29M01	M																
10/01/74	5110				15	7.0	84	1.0	0	238	2.0	48	.0	--	--	394	65	
	9597		8.0	460	.75	.58	3.65	.03	.00	3.90	.04	1.35	.00		--	274	0	4.5
					15	12	73	1		74	1	26						
	02N/06E-30B01	M																
10/01/74	5110				19	6.0	130	2.0	0	275	7.0	92	.0	--	--	529	72	
	9597		7.9	680	.95	.49	5.66	.05	.00	4.51	.15	2.59	.00		--	391	0	6.7
					13	7	79	1		62	2	36						
	02N/06E-33A01	M																
08/21/75	5701	70	F		9.0	3.0	47	1.6	.8	155	3.0	9.0	.0	--	.2		36	
	5701	21	C 7.9	270	.45	.25	2.04	.04	.03	2.54	.06	.25	.00		51.0	201	0	3.5
					16	9	73	1	1	88	2	9						
	02N/06E-33F01	M																
08/21/75	5701	69	F		10	4.0	58	1.4	.8	187	1.0	14	.0	--	.2		44	
	5701	21	C 7.8	319	.50	.33	2.52	.04	.03	3.06	.02	.39	.00		48.0	229	0	3.9
					15	10	74	1	1	87	1	11						
	02N/06E-33G01	M																
08/21/75	5701	68	F		26	9.0	40	1.6	.5	175	12	25	.0	--	.1		102	
	5701	20	C 7.6	362	1.30	.74	1.74	.04	.02	2.87	.25	.71	.00		44.0	244	0	1.7
					34	19	46	1	1	75	6	18						
	02N/06E-33K01	M																
09/12/75	5701	70	F		13	5.0	45	2.0	.3	163	5.0	11	.0	--	.1		52	
	5701	21	C 7.4	305	.65	.41	1.96	.05	.01	2.67	.10	.31	.00		52.0	213	0	2.7
					21	13	64	2		86	3	10						
	02N/06E-33M03	M																
03/12/75	5701	68	F		12	4.0	50	2.1	1.1	162	.0	19	.0	--	.1		48	
	5701	20	C 8.0	310	.60	.33	2.18	.05	.04	2.66	.00	.54	.00		49.0	217	0	3.2
					19	10	69	2	1	82		17						
	02N/06E-33N01	M																
03/12/75	5701	67	F		31	15	50	2.1	.8	236	15	31	.0	--	.1		138	
	5701	19	C 7.7	481	1.55	1.23	2.18	.05	.03	3.87	.31	.87	.00		49.0	310	0	1.8
					31	25	44	1	1	76	6	17						

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	TDS SUM	TH NCH	SAR
					MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER					
	5		CENTRAL VALLEY REGION																
	5-22		SAN JOAQUIN VALLEY																
	5-22.01		SAN JOAQUIN COUNTY																
	N2N/06E-34B01	M																	
05/21/75	5701	67	F		44	19	34	5.3	.7	202	35	23	45.0	--	.1			188	
	5701	19	C	7.7	517	2.20	1.56	1.48	.14	.02	3.31	.73	.65	.73		50.0	355	22	1.1
						41	29	28	3		61	13	12	13					
	N2N/06E-34C01	M																	
05/20/75	5701	67	F		14	4.0	33	2.7	.4	131	.0	8.0	1.0	--	.3			50	
	5701	19	C	7.7	239	.70	.33	1.44	.07	.01	2.15	.00	.23	.02		48.0	176	0	2.0
						28	13	57	3		89		10	1					
	N2N/06E-34K02	M																	
03/18/75	5701				14	5.0	37	1.5	.7	133	2.0	17	1.0	.07	.2			54	
	5701			7.9	275	.70	.41	1.61	.04	.02	2.18	.04	.48	.02		57.0	201	0	2.2
						25	15	58	1	1	80	1	18	1					
	N2N/06E-34Q01	M																	
03/12/75	5701	68	F		57	28	58	4.0	.6	136	13	179	.0	--	.1			256	
	5701	20	C	7.8	834	2.84	2.30	2.52	.10	.02	2.23	.27	5.05	.00		57.0	463	145	1.6
						37	30	32	1		29	4	87						
	N2N/06E-35B01	M																	
09/10/75	5701	69	F		36	17	50	3.2	.4	134	1.0	110	.0	--	.3			160	
	5701	21	C	7.6	573	1.80	1.40	2.18	.08	.01	2.20	.02	3.10	.00		46.0	329	50	1.7
						33	26	40	1		41		58						
	N2N/06E-35B01	M																	
04/19/75	5701	68	F		30	14	25	5.6	1.0	179	22	15	6.0	--	.1			134	
	5701	20	C	7.9	382	1.50	1.15	1.09	.14	.03	2.93	.46	.42	.10		65.0	272	0	0.9
						39	30	28	4	1	74	12	11	3					
	N2N/06E-36A01	M																	
08/21/75	5701	68	F		37	16	17	6.0	.3	195	14	14	8.0	--	.1			158	
	5701	20	C	7.4	378	1.85	1.32	.74	.15	.01	3.20	.29	.39	.13		57.0	265	0	0.6
						46	33	18	4		80	7	10	3					
	N2N/06E-36B01	M																	
09/11/75	5701	65	F		34	17	18	6.4	.4	200	13	12	7.0	--	.1			156	
	5701	18	C	7.5	378	1.70	1.40	.78	.16	.01	3.28	.27	.34	.11		59.0	265	0	0.6
						42	35	19	4		82	7	8	3					
	N2N/06E-36D01	M																	
04/15/75	5701	70	F		27	14	21	4.3	.6	177	13	10	6.0	--	.1			126	
	5701	21	C	7.7	335	1.35	1.15	.91	.11	.02	2.90	.27	.28	.10		61.0	244	0	0.8
						36	33	26	3	1	81	8	8	3					
	N2N/06E-36F01	M																	
12/20/74	5701	68	F		14	7.0	27	2.7	.3	126	4.0	8.0	1.0	--	.1	190		63	
	5701	20	C	7.6	218	.70	.58	1.17	.07	.01	2.07	.08	.23	.02		64.0	190	0	1.5
						28	23	46	3		86	3	10	1					
	N2N/06E-36G01	M																	
04/11/75	5701	67	F		16	8.0	24	2.8	.7	133	6.0	10	3.0	.02	.2			74	
	5701	19	C	7.9	249	.80	.66	1.04	.07	.02	2.18	.12	.28	.05		56.0	192	0	1.2
						31	26	40	3	1	82	5	11	2					
	N2N/06E-36N03	M																	
08/21/75	5701	68	F		42	17	18	5.0	.6	214	18	11	10.0	--	.1			176	
	5701	20	C	7.6	412	2.10	1.40	.78	.13	.02	3.51	.37	.31	.16		53.0	280	0	0.6
						48	32	18	3		80	8	7	4					
	N2N/06E-36R03	M																	
07/02/75	5701	70	F		36	17	18	5.1	.4	185	13	19	18.0	--	.1			162	
	5701	21	C	7.5	395	1.80	1.40	.78	.13	.01	3.03	.27	.54	.29		55.0	272	8	0.6
						44	34	19	3		73	7	13	7					
	N2N/07E-07D02	M																	
10/01/74	5110				41	20	17	5.0	0	232	24	12	4.0	--	--	350		185	
	9597			7.7	400	2.05	1.64	.74	.13	.00	3.80	.50	.34	.06		--	237	0	0.5
						45	36	16	3		81	11	7	1					
	N2N/07E-12J02	M																	
06/11/75	5050	64	F	7.5	717	--	--	29	--	0	300	--	22	--	--	--		299	
1130	5050	18	C	8.0	696			1.26		.00	4.92		.62			--			0.7
								17											
	N2N/07E-20E04	M																	
06/11/75	5050	67	F	7.5	355	--	--	18	--	0	181	--	8.0	--	--			146	
1215	5050	19	C	8.1	348			.78		.00	2.97		.23			--			0.6
								21											
	N2N/08E-21J01	M																	
06/11/75	5050	67	F	7.5	249	--	--	14	--	0	147	--	5.2	--	--	--		98	
1015	5050	19	C	7.9	249			.61		.00	2.41		.15			--			0.6
								24											
	N3N/06E-15Q05	M																	
10/01/74	5110				42	18	23	6.0	0	226	16	20	18.0	--	--	361		190	
	9597			7.8	430	2.10	1.48	1.00	.15	.00	3.70	.33	.56	.28		--	252	0	0.7
						44	31	21	3		76	7	12	5					
	N3N/06E-17M03	M																	
06/11/75	5050	67	F	7.3	443	--	--	30	--	0	244	--	12	--	--	--		183	
1345	5050	19	C	8.0	441			1.31		.00	4.00		.34			--			1.0
								26											
	N3N/08E-15A02	M																	
06/11/75	5050			7.3	173	--	--	19	--	0	82	--	7.5	--	--	--		47	
1445	5050			7.6	171			.83		.00	1.34		.21			--			1.2
								47											

TABLE E-1 (CONTINUED)
MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	TDS SUM	TH NCM	SAR
						MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER					
	5			CENTRAL VALLEY REGION																
	5-22			SAN JOAQUIN VALLEY																
	5-22.01			SAN JOAQUIN COUNTY																
	04N/05E-24J03	M																		
06/12/75	5050		64 F	7.7	474	--	--	40	--	0	273	--	9.0	--	--	--			174	
0730	5050		18 C	7.6	476			1.74		.00	4.47		.25			--				1.3
								33												
	04N/06E-16R07	M																		
06/12/75	5050		62 F	7.3	250	--	--	16	--	0	140	--	4.7	--	--	--			97	
0815	5050		17 C	7.4	252			.70		.00	2.29		.13			--				0.7
								27												
	04N/06E-34E05	M																		
10/01/74	5110					16	10	13	2.0	0	110	16	8.0	7.0	--	--	182	85		
	9597			7.8	190	.90	.82	.57	.05	.00	1.80	.33	.23	.11		--	128	0		0.6
						38	35	24	2		73	13	9	4						
	04N/07E-15E01	M																		
06/12/75	5050		66 F	7.1	340	--	--	20	--	0	146	--	24	--	--	--			128	
1000	5050		19 C	7.4	341			.87		.00	2.39		.66			--				0.8
								25												
	04N/07E-29E02	M																		
06/12/75	5050		65 F	7.3	259	--	--	15	--	0	95	--	10	--	--	--			73	
0915	5050		18 C	7.3	213			.65		.00	1.56		.28			--				0.8
								31												
	04N/08E-22K02	M																		
06/11/75	5050		71 F	7.1	243	--	--	14	--	0	119	--	16	--	--	--			88	
1530	5050		22 C	7.6	240			.61		.00	1.95		.45			--				0.6
								26												
	05N/08E-26P01	M																		
06/12/75	5050		71 F	7.3	139	--	--	12	--	0	63	--	6.0	--	--	--			39	
1130	5050		22 C	7.1	135			.52		.00	1.03		.19			--				0.8
								40												
	06N/06E-33J02	M																		
06/17/75	5050		67 F	7.3	194	--	--	16	--	0	85	--	10	--	--	--			65	
1400	5050		19 C	7.6	199			.70		.00	1.39		.28			--				0.9
								35												
	015/06E-23C02	M																		
06/10/75	5050		66 F	7.7	589	--	--	63	--	0	147	--	107	--	--	--			139	
0730	5050		19 C	8.1	597			2.74		.00	2.41		3.02			--				2.3
								50												
	015/06E-23L01	M																		
10/02/74	5110					190	49	231	9.0	0	420	65	558	18.0	--	--	1531	676		
	9597			7.2	2200	9.48	4.03	10.05	.23	.00	6.88	1.35	15.74	.29		--	1327	332		3.9
						40	17	42	1		28	6	65	1						
	015/06E-25M02	M																		
10/02/74	5110					39	10	38	4.0	0	168	12	45	9.0	--	--	321	135		
	9597			7.0	420	1.95	.82	1.65	.10	.00	2.75	.25	1.27	.15		--	240	1		1.4
						43	18	37	2		62	6	29	3						
	015/06E-26D02	M																		
10/02/74	5110					98	24	259	5.0	0	473	82	300	18.0	--	--	1254	345		
	9597			7.7	1790	4.89	1.97	11.27	.13	.00	7.75	1.71	8.46	.29		--	1019	0		6.1
						27	11	62	1		43	9	46	2						
	015/06E-26L01	M																		
10/01/74	5110					110	23	95	7.0	0	231	26	258	21.0	--	--	764	368		
	9597			7.6	1230	5.49	1.89	4.13	.18	.00	3.79	.54	7.28	.34		--	654	180		2.2
						47	16	35	2		32	5	61	3						
	015/06E-35D01	M																		
10/03/74	5110					148	26	150	6.0	0	282	43	388	3.0	--	--	1040	475		
	9597			7.7	1730	7.39	2.14	6.53	.15	.00	4.62	.90	10.94	.05		--	903	246		3.0
						46	13	40	1		28	5	66							
	015/06E-35E04	M																		
10/02/74	5110					180	40	200	6.0	0	267	190	462	15.0	--	--	1354	612		
	9597			7.7	2000	8.98	3.29	8.70	.15	.00	4.38	3.96	13.03	.24		--	1224	395		3.5
						43	16	41	1		20	18	60	1						
	015/07E-21G01	M																		
06/11/75	5050		66 F	7.7	397	--	--	25	--	0	90	--	13	--	--	--			132	
0810	5050		19 C	7.8	404			1.09		.00	1.48		.37			--				0.9
								29												
	015/08E-16R01	M																		
06/10/75	5050		68 F	7.5	365	--	--	22	--	0	193	--	11	--	--	--			147	
1540	5050		20 C	8.1	363			.96		.00	3.16		.31			--				0.8
								25												
	015/09E-16P02	M																		
06/10/75	5050		66 F	7.3	562	--	--	27	--	0	306	--	24	--	--	--			251	
1500	5050		20 C	8.1	566			1.17		.00	5.02		.68			--				0.7
								19												
	025/04E-16A01	M																		
06/10/75	5050		67 F	7.5	2870	--	--	352	--	0	347	--	604	--	--	--			730	
0900	5050		19 C	8.0	2960			15.31		.00	5.69		17.03			--				5.7
								51												
	025/05E-25D02	M																		
06/10/75	5050		66 F	7.5	1540	--	--	118	--	0	197	--	245	--	--	--			542	
1000	5050		19 C	7.8	1590			5.13		.00	3.23		6.91			--				2.2
								32												

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE											MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F	SIO2	TDS SUM	TH NCH	SAR
	5		CENTRAL VALLEY REGION																	
	5-22		SAN JOAQUIN VALLEY																	
	5-22.01		SAN JOAQUIN COUNTY																	
	025/06E-20K01	M																		
11/08/74	5050		66.5F	8.0		25	12	109	1.8	0	162	147	46	1.8	.50	--		464	110	
1640	5050		20.3C	8.1	746	1.25	.99	4.74	.05	.00	2.66	3.06	1.35	.03		--		425	0	4.5
						18	14	67	1		37	43	19							
	025/06E-20K02	M																		
11/28/74	5050		70 F	8.0		171	99	194	6.2	0	109	137	721	3.5	.70	--		1580	836	
1515	5050		21 C	7.8	2780	8.53	8.14	8.44	.16	.00	1.79	2.85	20.33	.06		--		1386	745	2.9
						34	32	33	1		7	11	81							
	025/06E-20L01	M																		
11/08/74	5050		72 F	8.0		65	37	160	3.9	0	120	150	284	3.7	.80	--		850	314	
1730	5050		22 C	8.0	1470	3.24	3.04	6.96	.10	.00	1.97	3.12	8.01	.06		--		763	216	3.9
						24	23	52	1		15	24	61							
	025/06E-20P01	M																		
11/08/74	5050		68 F	7.9		46	21	94	2.5	0	147	154	89	.1	.40	--		549	200	
1615	5050		20 C	7.9	881	2.30	1.73	4.09	.06	.00	2.41	3.21	2.51	.00		--		479	81	2.9
						28	21	50	1		30	39	31							
	025/06E-20R03	M																		
11/08/74	5050		66.5F	8.0		44	18	91	2.5	0	144	162	67	2.1	.40	--		510	182	
1634	5050		20.3C	8.0	810	2.20	1.48	3.96	.06	.00	2.36	3.37	1.89	.03		--		458	66	2.9
						29	19	51	1		31	44	25							
	025/07E-07W01	M																		
06/10/75	5050		65 F	7.5	547	59	18	30	3.6	0	259	25	14	38.0	.10	--		370	219	
1215	5050		18 C	8.1	552	2.94	1.48	1.31	.09	.00	4.25	.52	.39	.61		--		315	9	0.9
						51	25	23	2		74	9	7	11						
	025/09E-19P01	M																		
06/10/75	5050		67 F	8.1	197	--	--	15	--	0	141	--	6.6	--	--	--			68	
1415	5050		19 C	7.7	199			.65		.00	1.66		.19			--				0.8
								32												
	025/09E-19R02	M																		
06/16/75	5050		66 F	7.3	255	--	--	14	--	0	87	--	3.9	--	--	--			93	
1115	5050		19 C	7.3	256			.61		.00	1.43		.11			--				0.6
								25												
	045/06E-09D01	M																		
06/10/75	5050			7.7	603	--	--	42	--	0	184	--	55	--	--	--			214	
1045	5050			8.0	630			1.83		.00	3.02		1.55			--				1.2
								30												
	5-22.51		EAST CONTRA COSTA AREA																	
	01N/03E-17E01	M																		
06/24/75	5050			7.5	1300	--	--	118	--	0	316	--	160	--	--	--			383	
1230	5050			8.2	1200			5.13		.00	5.18		4.51			--				2.6
								40												
	02N/02E-20A01	M																		
06/24/75	5050		67 F	7.3	1675	77	55	158	4.9	0	328	144	215	55.0	.50	--		950	419	
1100	5050		19 C	8.2	1520	3.84	4.52	6.87	.13	.00	5.38	3.00	6.06	.89		--		871	149	3.4
						25	29	45	1		35	20	40	6						
	01S/03E-15A01	M																		
06/24/75	5050		69 F	7.6	3750	--	--	600	--	0	308	--	778	--	--	--			184	
1315	5050		21 C	8.1	3050			26.10		.00	5.05		21.94			--				19.2
								88												
	5-30		LOWER LAKE																	
	12N/07W-01F01	M																		
06/12/75	5050		65.0F	6.3	230	15	9.8	16	.2	0	81	29	5.4	4.1	.00	--		160	78	
1350	5050		18.3C	8.2	226	.75	.81	.70	.01	.00	1.33	.60	.15	.07		--		119	12	0.8
						33	36	31			62	28	7	3						
	12N/07W-01M02	M																		
06/12/75	5050		61.0F	6.5	350	--	--	--	--	--	--	--	--	--	--	--				
1400			16.1C													--				
	12N/07W-13N01	M																		
06/12/75	5050		60.0F	6.5	680	--	--	--	--	4.0	346	--	13	--	--	--			195	
1315	5050		15.5C	8.4	593					.13	5.67		.37			--				
	12N/07W-14F02	M																		
06/12/75	5050		68.0F	7.1	3000	--	--	--	--	--	--	--	--	--	--	--				
1325			20.0C													--				

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	SAR
						MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
	6 / 6-01		LAMONTAN REGION SURPRISE VALLEY																
	40N/16E-11G01	M																	
08/14/75	5050		55.0F	7.8	235	23	6.2	13	1.5	0	130	3.3	1.2	2.0	.00	--	137	63	
0745	5050		12.8C	8.3	207	1.15	.51	.57	.04	.00	2.13	.07	.03	.03		--	114	0	0.6
						51	22	25	2		94	3	1	1					
	40N/16E-36F01	M																	
08/14/75	5050		57.0F	7.1	400	--	--	--	--	0	221	--	3.5	6.2	--	--		145	
0815	5050		13.9C	8.3	368					.00	3.62		.10	.10		--			
											95		3	3					
	40N/16E-36G01	M																	
08/14/75	5050		55.0F	7.2	325	--	--	--	--	--	--	--	--	--	--	--			
0830			12.8C													--			
	41N/16E-09A02	M																	
08/13/75	5050		56.0F	6.0	265	--	--	--	--	--	--	--	--	--	--	--			
1450			13.3C													--			
	41N/16E-25C03	M																	
08/13/75	5050		58.0F	8.1	220	--	--	--	--	0	82	--	6.1	.6	--	--		24	
1505	5050		14.4C	6.1	202					.00	1.34		.17	.01		--			
											88		11	1					
	41N/16E-35F01	M																	
08/14/75	5050		76.0F	7.0	150	--	--	--	--	--	--	--	--	--	--	--			
0730			24.4C													--			
	42N/16E-04P01	M																	
08/14/75	5050		59.0F	7.2	320	28	9.0	24	.7	6.0	156	11	3.0	5.0	.00	--	190	107	
0930	5050		15.0C	8.5	296	1.40	.74	1.04	.02	.20	2.56	.23	.05	.08		--	163	0	1.0
						44	23	33	1	6	81	7	3	3					
	42N/16E-05F01	M																	
08/13/75	5050		56.0F	7.9	320	--	--	--	--	--	--	--	--	--	--	--			
1055			13.3C													--			
	42N/16E-08E01	M																	
08/13/75	5050		57.0F	7.7	305	--	--	--	--	--	--	--	--	--	--	--			
1230			13.9C													--			
	42N/16E-08M02	M																	
08/13/75	5050		57.0F	7.2	295	--	--	--	--	0	165	--	1.8	7.6	--	--		119	
1300	5050		13.9C	8.1	273					.00	2.70		.05	.12		--			
											94		2	4					
	42N/16E-29B02	M																	
08/13/75	5050		66.0F	7.9	222	--	--	--	--	--	--	--	--	--	--	--			
1345			18.9C													--			
	42N/16E-29G01	M																	
08/13/75	5050		52.0F	7.1	195	--	--	--	--	--	--	--	--	--	--	--			
1400			11.1C													--			
	42N/16E-34F01	M																	
08/13/75	5050		69.0F	8.1	345	--	--	--	--	--	--	--	--	--	--	--			
1410			20.5C													--			
	43N/16E-08D01	M																	
08/13/75	5050		66.0F	7.0	325	--	--	--	--	--	--	--	--	--	--	--			
1105			18.9C													--			
	43N/16E-20B01	M																	
08/13/75	5050		58.0F	7.8	320	27	1.1	41	1.1	6.0	176	4.9	3.3	5.0	.10	--	193	72	
1020	5050		14.4C	8.5	305	1.35	.09	1.78	.03	.20	2.88	.10	.07	.08		--	178	0	2.1
						42	3	55	1	6	88	3	3	2					
	43N/16E-32K01	M																	
08/13/75	5050		76.0F	8.1	320	--	--	--	--	--	--	--	--	--	--	--			
1035			24.4C													--			
	43N/16E-33M03	M																	
08/13/75	5050		63.0F	7.4	490	--	--	--	--	3.0	253	--	6.6	18.0	--	--		192	
1045	5050		17.2C	8.4	459					.10	4.15		.19	.29		--			
	43N/17E-20D01	M																	
08/14/75	5050		65.0F	8.2	645	--	--	--	--	4.0	182	--	49	5.7	--	--		28	
1030	5050		18.3C	8.4	610					.13	2.98		1.38	.09		--			
	43N/17E-21J01	M																	
08/14/75	5050		75.0F	8.5	400	--	--	--	--	--	--	--	--	--	--	--			
1010			23.9C													--			
	44N/16E-31B01	M																	
08/13/75	5050		53.0F	6.9	460	--	--	--	--	--	--	--	--	--	--	--			
0950			11.7C													--			

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	MILLIGRAMS PER LITER F	SIO2	TDS SUM	TH NCH	SAR
	6			LAMONTAN REGION																
	6-01			SUNRISE VALLEY																
	45N/16E-17Q01	M																		
08/13/75	5050		60.0F	7.1	275	31	10	10	2.1	3.0	157	3.8	2.5	2.1	.00	--		165	114	
0905	5050		15.5C	8.4	263	1.55	.82	.44	.05	.10	2.57	.08	.17	.03		--		142	0	0.4
						54	29	15	2	4	90	3	2	1						
	45N/16E-19Q01	M																		
08/13/75	5050		64.0F	7.9	320	--	--	--	--	--	--	--	--	--	--	--				
0920			17.8C													--				
	46N/16E-08R02	M																		
08/13/75	5050		65.0F	7.3	230	--	--	--	--	0	114	--	4.8	5.8	--	--			22	
0745	5050		18.3C	8.2	230					.00	1.87		.14	.39		--				
											89		7	4						
	46N/16E-08R03	M																		
08/13/75	5050		53.0F	6.9	335	--	--	--	--	--	--	--	--	--	--	--				
0750			11.7C													--				
	46N/16E-16M01	M																		
08/13/75	5050		54.0F	8.7	180	16	5.4	11	2.1	0	49	9.5	3.7	3.1	.00	--		107	62	
0830	5050		12.2C	8.0	172	.80	.44	.48	.05	.00	1.98	.20	.10	.05		--		95	0	0.6
						45	25	27	3		81	11	5	3						
	46N/16E-23B01	M																		
08/13/75	5050		55.0F	7.7	355	33	11	20	5.0	0	133	39	20	2.0	.10	--		248	129	
0810	5050		12.6C	8.3	354	1.65	.90	.87	.13	.00	2.18	.81	.56	.03		--		195	19	0.8
						46	25	25	4		61	23	16	1						
	6-02			MADELINE PLAIN																
	34N/13E-18E01	M																		
08/15/75	5050		59.0F	7.9	175	--	--	--	--	--	--	--	--	--	--	--				
0900			15.0C													--				
	34N/14E-23E01	M																		
08/15/75	5050		63.0F	7.7	275	--	--	--	--	--	--	--	--	--	--	--				
0945			17.2C													--				
	34N/15E-21L01	M																		
08/15/75	5050		66.0F	7.5	145	--	--	--	--	--	--	--	--	--	--	--				
1000			15.5C													--				
	35N/13E-25M01	M																		
08/15/75	5050		53.0F	7.2	1075	73	59	45	8.0	28	404	28	42	70.0	.00	--		593	427	
0915	5050		11.7C	8.7	906	3.64	4.85	1.96	.20	.93	6.62	.58	1.18	1.13		--		552	47	1.0
						34	46	16	2	9	63	6	11	11						
	37N/13E-16A01	M																		
08/15/75	5050		57.0F	7.6	450	--	--	--	--	--	--	--	--	--	--	--				
0800			13.9C													--				
	37N/13E-20Q01	M																		
08/10/75	5050		66.0F	7.5	3300	--	--	--	--	--	--	--	--	--	--	--				
0810			18.9C													--				
	6-03			WILLOW CREEK VALLEY																
	31N/12E-25G01	M																		
06/17/75	5050		56.0F	7.3	375	--	--	--	--	--	--	--	--	--	--	--				
0815			13.3C													--				
	6-04			HONEY LAKE VALLEY																
	22N/17E-04K01	M																		
07/23/75	5050		63.0F	7.2	365	28	9.2	32	2.6	5.0	171	8.2	8.4	16.0	.00	--		244	108	
0925	5050		17.2C	8.5	343	1.40	.76	1.39	.07	.20	2.80	.17	.24	.26		--		194	0	1.3
						34	21	38	2	5	76	5	7	7						
	25N/17E-20B01	M																		
07/23/75	5050		59.0F	7.4	450	--	--	--	--	--	--	--	--	--	--	--				
1045			15.0C													--				
	25N/17E-21N03	M																		
07/23/75	5050		61.0F	7.7	290	--	--	--	--	--	--	--	--	--	--	--				
1030			16.1C													--				
	25N/17E-29H01	M																		
07/23/75	5050		68.0F	6.9	230	--	--	--	--	--	--	--	--	--	--	--				
1020			20.0C													--				
	26N/16E-03D02	M																		
07/23/75	5050		71.0F	6.0	500	--	--	--	--	--	--	--	--	--	--	--				
1215			21.6C													--				
	26N/16E-06D01	M																		
07/23/75	5050		65.0F	7.0	400	--	--	--	--	--	--	--	--	--	--	--				
1230			18.3C													--				

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLE# LAB		TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	B	F SIO2	TDS SUM	TH NCH	SAR
	6 6-04	LAHONTAN REGION MONEY LAKE VALLEY																	
	26N/16E-15E03	M																	
07/23/75 1115	5050		70.0F 21.1C	7.0	670	--	--	--	--	--	--	--	--	--	--	-- --			
	26N/17E-18B01	M																	
07/23/75 1140	5050		62.0F 16.7C	7.1	940	--	--	--	--	--	--	--	--	--	--	-- --			
	27N/14E-06C01	M																	
07/22/75 1600	5050 5050		60.0F 15.5C	6.8 6.4	350 307	40 2.00 63	7.0 .58 18	12 .52 16	3.3 .08 3	3.0 .10 3	146 2.39 76	10 .21 7	8.3 .23 7	13.0 .21 7	.00	-- --	208 168	129 5	0.5
	27N/14E-26E01	M																	
07/23/75 1350	5050		59.0F 15.0C	6.5	190	--	--	--	--	--	--	--	--	--	--	-- --			
	27N/14E-26F05	M																	
07/23/75 1415	5050		63.0F 17.2C	6.8	170	--	--	--	--	--	--	--	--	--	--	-- --			
	27N/15E-25K01	M																	
07/23/75 1310	5050		61.0F 16.1C	7.6	650	--	--	--	--	--	--	--	--	--	--	-- --			
	27N/16E-30M01	M																	
07/23/75 1255	5050		61.0F 16.1C	8.0	610	--	--	--	--	--	--	--	--	--	--	-- --			
	28N/14E-06H01	M																	
07/22/75 1425	5050 5050		71.0F 21.6C	7.3 6.5	420 422	--	--	--	--	6.0 .20	190 3.11	--	13 .37	23.0 .37	--	-- --		30	
	28N/14E-08A01	M																	
07/22/75 1450	5050		64.0F 17.8C	7.5	390	--	--	--	--	--	--	--	--	--	--	-- --			
	28N/14E-17B01	M																	
07/22/75 1510	5050 5050		57.0F 13.9C	7.2 8.3	960 736	73 3.64 44	15 1.23 15	74 3.22 39	6.4 .16 2	0 .00	417 6.83 84	27 .56 7	19 .54 7	14.0 .23 3	.10	-- --	471 434	245 0	2.1
	28N/14E-17B02	M																	
07/22/75 1525	5050 5050		63.0F 17.2C	7.9 8.3	375 311	26 1.30 40	5.4 .44 14	33 1.44 45	1.1 .03 1	0 .00	153 2.51 78	21 .44 14	8.2 .23 7	3.1 .05 2	.00	-- --	178 173	87 0	1.5
	28N/16E-25L01	M																	
07/22/75 1615	5050		61.0F 16.1C	6.8	210	--	--	--	--	--	--	--	--	--	--	-- --			
	28N/17E-18K01	M																	
07/16/75 1020	5050		63.0F 17.2C	8.1	270	--	--	--	--	--	--	--	--	--	--	-- --			
	29N/12E-02P06	M																	
07/16/75 1515	5050		58.0F 14.4C	7.5	485	--	--	--	--	--	--	--	--	--	--	-- --			
	29N/12E-04G01	M																	
07/17/75 1130	5050		79.0F 26.1C	7.9	655	--	--	--	--	--	--	--	--	--	--	-- --			
	29N/12E-15A01	M																	
07/15/75 0900	5050 5050		58.0F 14.4C	6.8 6.3	230 205	19 .95 43	6.9 .57 26	15 .65 29	1.5 .04 2	0 .00	119 1.95 89	3.6 .07 3	2.7 .08 4	5.0 .08 4	.10	-- --	149 112	76 0	0.8
	29N/13E-01N01	M																	
07/22/75 1130	5050		59.0F 15.0C	7.6	745	--	--	--	--	--	--	--	--	--	--	-- --			
	29N/13E-04H01	M																	
07/16/75 0745	5050		78.0F 25.5C	7.7	230	--	--	--	--	--	--	--	--	--	--	-- --			
	29N/13E-16A03	M																	
07/15/75 1045	5050 5050		61.0F 16.1C	7.3 8.4	3600 3230	--	--	--	--	4.0 .13	334 5.47	--	78 2.20	5.0 .08	--	-- --		973	
	29N/13E-17C05	M																	
07/15/75 1000	5050 5050		58.0F 13.3C	7.2 8.3	460 410	--	--	--	--	0 .00	166 2.72 89	--	10 .28 9	2.5 .04 1	--	-- --		131	

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD PH	LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER				MILLIEQUIVALENTS PER LITER					PERCENT REACTANCE VALUE		MILLIGRAMS PER LITER B	F SIO2	TDS SUM	TH NCM	SAR
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3							
	6	LAHONTAN REGION																			
	6-04	MONEY LAKE VALLEY																			
	29N/13E-23F01		M																		
07/22/75	505A		58.0F	7.4	310	--	--	--	--	--	--	--	--	--		--	--				
1230			14.4C														--				
	29N/14E-04N01		M																		
07/17/75	505A		70.0F	7.6	705	--	--	--	--	10	306	--	20	7.6		--	--			43	
0830	505A		21.1C	8.6	677					.33	5.02		.56	.12			--				
	29N/14E-17Q01		M																		
07/22/75	505A		59.0F	8.1	1080	7.3	2.7	202	5.9	25	385	79	21	10.0		4.20	--	646		29	
1300	505A		15.0C	8.8	961	.36	.22	8.79	.15	.83	6.31	1.64	.59	.16			--	546		0	16.2
						4	2	92	2	9	66	17	6	2							
	29N/14E-18R01		M																		
07/22/75	505A		57.0F	7.7	1250	--	--	--	--	--	--	--	--	--		--	--				
1200			13.9C														--				
	29N/14E-19A02		M																		
07/22/75	505A		61.0F	7.5	1700	--	--	--	--	24	435	--	29	95.0		--	--			91	
1245	505A		16.1C	8.7	1580					.80	7.13		.82	1.53			--				
	29N/14E-20C03		M																		
07/22/75	505A		66.0F	7.5	1320	--	--	--	--	30	476	--	39	40.0		--	--			171	
1310	505A		18.9C	8.7	1220					1.00	7.80		1.10	.65			--				
	29N/14E-20R01		M																		
07/22/75	505A		56.0F	7.8	2200	--	--	--	--	--	--	--	--	--		--	--				
1325			13.3C														--				
	29N/15E-21N01		M																		
07/16/75	505A		62.0F	8.2	1070	--	--	--	--	--	--	--	--	--		--	--				
1300			16.7C														--				
	29N/16E-30L01		M																		
07/16/75	505A		83.0F	8.0	315	6.9	1.9	53	9.0	0	114	29	17	1.1		.30	--	213		25	
1130	505A		28.3C	8.3	316	.34	.16	2.31	.23	.00	1.87	.60	.48	.02			--	174		0	4.6
						11	5	76	8		63	20	16	1							
	30N/14E-19L01		M																		
07/17/75	505A		63.0F	7.1	520	--	--	--	--	2.0	196	--	7.6	9.8		--	--			157	
1100	505A		17.2C	8.4	451					.07	3.21		.21	.16			--				
	6-05	TAHOE VALLEY																			
	6-05.01	SOUTH TAHOE VALLEY																			
	12N/18E-03A01		M																		
05/07/75	505A		54 F	6.5	97	11	1.3	3.5	1.2	0	44	1.0	4.0	3.0		.00	--	81		32	
1400	505A		12 C	7.2	100	.55	.11	.15	.03	.00	.72	.02	.11	.05			--	47		0	0.3
						65	13	18	4		80	2	12	6							
	12N/18E-03F01		M																		
05/07/75	505A		45 F	6.7	118	13	2.7	3.8	2.0	0	66	.3	1.2	.0		.00	--	96		44	
1300	505A		7 C	7.4	120	.65	.22	.17	.05	.00	1.08	.01	.03	.00			--	55		0	0.3
						60	20	16	5		96	1	3								
	12N/18E-21Q01		M																		
05/07/75	505A		43 F	7.7	76	7.0	2.6	2.5	1.4	0	44	.0	.4	.0		.00	--	67		28	
0930	505A		6 C	7.3	77	.35	.21	.11	.04	.00	.72	.00	.01	.00			--	36		0	0.2
						49	30	15	6		99		1								
	13N/18E-33R05		M																		
09/03/75	505A		50 F	7.1	145	--	--	7.2	--	0	82	--	.5	--		--	--			58	
1430	505A		10 C	7.9	144			.31		.00	1.34		.01				--				0.4
								21													

TABLE E-2

MINOR ELEMENT ANALYSIS OF GROUND WATER

Sampler and Lab Agency Codes

5050	-	California Department of Water Resources
5701	-	California Water Service Company

Abbreviations

TIME	-	Pacific Standard Time on a 24-hour clock
EC	-	Electrical conductance in micromhos at 25° Celsius
TEMP	-	Water temperature at time of sampling in degrees Fahrenheit (F) and Celsius (C)
PH	-	Measure of acidity (<7) or alkalinity (>7) of water
CHROM (ALL)	-	All chromium
CHROM (HEX)	-	Hexavelent chromium
D	-	Dissolved
T	-	Total

TABLE E-2 (CONTINUED)
MINOR ELEMENT ANALYSIS OF GROUND WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ARSENIC	CONSTITUENTS IN MILLIGRAMS PER LITER BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
	5				CENTRAL VALLEY REGION						
	5-A4				RIO VALLEY						
	39N/08E-23A02			M							
08/12/75	5A50			64.0F		--	--	0.02 T	0.00 T	--	--
0855	5050		245	7.0	--	0.00 T	--	1.3 T	0.76 T	--	0.02 T
	5-05				FALL RIVER VALLEY						
	37N/05E-01C01			M							
08/11/75	5A50			62.0F		--	--	0.00 T	0.00 T	--	--
1150	5050		225	8.3	--	0.00 T	--	0.00 T	0.00 T	--	0.00 T
	5-18				COYOTE VALLEY						
	11N/07W-13M01			M							
06/10/75	5A50					--	--	0.12 T	0.10 T	--	--
1630	5050		600	7.4	0.00 T	--	--	12. T	0.37 T	--	6.7 T
	5-19				COLLAYOMI VALLEY						
	11N/07W-33J02			M							
06/10/75	5A50			64 F		--	--	0.01 T	0.00 T	--	--
1315	5050		167	6.8	0.00 T	--	--	0.16 T	0.02 T	--	0.01 T
	5-21				SACRAMENTO VALLEY						
	5-21.A1				TEHAMA COUNTY						
	25N/03W-31R01			M							
06/05/75	5A50			71.0F		--	--	0.02 T	0.00 T	--	--
1200	5050		695	6.8	--	0.00 T	--	0.05 T	0.01 T	--	0.73 T
	5-21.A4				COLUSA COUNTY						
	13N/01W-30F01			M							
06/02/75	5A50			70.0F		--	--	0.00 T	0.00 T	--	--
1155	5050		435	7.4	--	0.00 T	--	0.22 T	0.01 T	--	0.00 T
	15N/03W-01R01			M							
06/04/75	5F50			76.0F		--	--	0.00 T	0.00 T	--	--
1210	5050		1040	7.4	--	0.00 T	--	0.10 T	0.79 T	--	0.02 T
	5-21.A6				YUBA COUNTY						
	14N/05E-32R03			M							
06/04/75	5A50			68 F		--	--	0.00 T	0.00 T	--	--
1215	5050		288	7.1	0.00 T	--	--	0.02 T	0.00 T	--	0.03 T
	15N/03E-12R02			M							
03/05/75	5701			62 F		--	--	0.00 T	--	--	--
	5701		422	7.6	--	--	--	0.00 T	0.00 T	--	0.00 T
05/20/75	5701					0.01 T	0.002 T	--	0.000 T	0.000 T	--
	5701				0.002 T	0.005 T	--	--	--	0.000 T	--
	15N/03E-13J01			M							
05/13/75	5701			63 F		--	--	0.00 T	--	--	--
	5701		485	7.5	--	--	--	0.00 T	0.00 T	--	0.03 T
	15N/03E-13J03			M							
08/19/75	5701			62 F		--	--	0.00 T	--	--	--
	5701		238	7.4	--	--	--	0.04 T	0.09 T	--	0.03 T
	15N/03E-13N01			M							
07/01/75	5701			64 F		--	--	0.00 T	--	--	--
	5701		530	7.5	--	--	--	0.22 T	0.95 T	--	0.02 T
	15N/03E-14J03			M							
08/19/75	5701			64 F		--	--	0.02 T	--	--	--
	5701		544	7.5	--	--	--	0.00 T	0.11 T	--	0.07 T
	15N/04E-07L01			M							
05/12/75	5701			64 F		--	--	0.00 T	--	--	--
	5701		337	7.7	--	--	--	0.00 T	0.00 T	--	0.03 T
08/21/75	5701					0.02 T	0.002 T	--	0.00 T	0.000 T	--
	5701				0.003 T	0.000 T	--	--	--	0.000 T	--
	15N/04E-07M02			M							
05/13/75	5701			63 F		--	--	0.00 T	--	--	--
	5701		425	7.4	--	--	--	0.00 T	0.00 T	--	0.00 T
	15N/04E-18C01			M							
08/19/75	5701			63 F		--	--	0.02 T	--	--	--
	5701		378	7.7	--	--	--	0.06 T	0.26 T	--	0.03 T
	15N/04E-18D01			M							
03/05/75	5701			62 F		--	--	0.00 T	--	--	--
	5701		468	7.6	--	--	--	0.00 T	0.00 T	--	0.00 T
	15N/04E-31A01			M							
06/05/75	5A50			67 F		--	--	0.01 T	0.00 T	--	--
0715	5050		277	7.7	0.00 T	--	--	0.10 T	0.28 T	--	0.46 T

TABLE E-2 (CONTINUED)

MINOR ELEMENT ANALYSIS OF GROUND WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ARSENIC	CONSTITUENTS IN MILLIGRAMS PER LITER BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
	5			CENTRAL VALLEY REGION							
	5-21			SACRAMENTO VALLEY							
	5-21.07			PLACER COUNTY							
	11N/06E-34B01			M							
06/04/75	5050			70 F		--	--	0.00 T	0.01 T	--	--
0730	5050		276	6.9	0.00 T	--	--	0.04 T	0.00 T	--	0.01 T
	13N/05E-24P01			M							
06/04/75	5050			67 F		--	--	0.00 T	0.00 T	--	--
1050	5050		269	7.1	0.00 T	--	--	0.02 T	0.00 T	--	0.01 T
	5-21.09			YOLO COUNTY							
	10N/02W-26M01			M							
06/20/75	5050			70 F		--	--	0.00 T	0.00 T	--	--
0930	5050		714	7.5	0.00 T	--	--	0.03 T	0.00 T	--	0.01 T
	5-21.11			SOLANO COUNTY							
	07N/01E-14G02			M							
09/03/75	5701			68 F		--	--	0.00 T	--	--	--
	5701		550	7.9	--	--	--	0.00 T	0.00 T	--	0.00 T
	07N/01E-14J01			M							
06/24/75	5701			66 F		--	0.038 T	0.00 T	0.000 T	0.0005 T	--
	5701		937	8.0	--	0.000 T	--	0.00 T	0.00 T	--	0.00 T
	07N/01E-23A02			M							
03/04/75	5701			66 F		--	0.034 T	0.00 T	--	--	--
	5701		1120	7.5	--	--	--	0.00 T	0.00 T	--	0.00 T
	07N/01E-23A04			M							
03/04/75	5701			67 F		--	0.019 T	0.01 T	--	--	--
	5701		605	7.9	--	--	--	0.00 T	0.00 T	--	0.03 T
	07N/01E-23G02			M							
06/23/75	5701			67 F		--	0.025 T	0.01 T	--	--	--
	5701		753	7.9	--	--	--	0.00 T	0.00 T	--	0.02 T
	07N/01E-24C02			M							
06/23/75	5701			66 F		--	0.036 T	0.00 T	--	--	--
	5701		955	7.6	--	--	--	0.00 T	0.00 T	--	0.01 T
	07N/02E-06N01			M							
05/21/75	5050			68.5F		--	--	0.00 T	0.01 T	--	--
1130	5050		670	8.1	0.00 T	--	--	0.18 T	0.00 T	--	0.05 T

TABLE E-2 (CONTINUED)

MINOR ELEMENT ANALYSIS OF GROUND WATER

CONSTITUENTS IN MILLIGRAMS PER LITER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ARSENIC	BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
	S			CENTRAL VALLEY REGION							
	S-22			SAN JOAQUIN VALLEY							
	S-22.01			SAN JOAQUIN COUNTY							
	01N/06E-01J01			M							
04/16/75	5701			68 F		--	--	0.00 T	--	--	--
	5701		517	7.8	--	--	--	0.00 T	0.00 T	--	0.03 T
	01N/06E-01M01			M							
05/20/75	5701			68 F		--	--	0.00 T	--	--	--
	5701		296	7.8	--	--	--	0.05 T	0.09 T	--	0.04 T
	01N/06E-02M01			M							
05/20/75	5701			69 F		--	--	0.06 T	--	--	--
	5701		464	8.0	--	--	--	0.06 T	0.11 T	--	0.10 T
09/10/75	5701			70 F		--	--	0.00 T	--	--	--
	5701		447	7.7	--	--	--	0.04 T	0.04 T	--	0.04 T
	01N/06E-02Q01			M							
02/13/75	5701			70 F		--	--	0.00 T	--	--	--
	5701		414	8.1	--	--	--	0.04 T	0.10 T	--	0.04 T
	01N/06E-03C01			M							
05/20/75	5701			69 F		--	--	0.00 T	--	--	--
	5701		468	7.7	--	--	--	0.09 T	0.11 T	--	0.04 T
09/10/75	5701			69 F		0.13 T	0.002 T	0.00 T	0.000 T	0.000 T	--
	5701		432	7.7	0.030 T	0.000 T	--	0.18 T	0.17 T	0.000 T	0.01 T
	01N/06E-11K01			M							
01/22/75	5701			70 F		--	--	0.00 T	--	--	--
	5701		561	7.9	--	--	--	0.06 T	0.18 T	--	0.02 T
09/11/75	5701			70 F		--	--	0.00 T	--	--	--
	5701		553	7.3	--	--	--	0.12 T	0.23 T	--	0.00 T
	01N/06E-12A01			M							
04/16/75	5701			67 F		--	--	0.00 T	--	--	--
	5701		371	7.9	--	--	--	0.00 T	0.01 T	--	0.00 T
	01N/06E-12C09			M							
03/12/75	5701			69 F		--	--	0.00 T	--	--	--
	5701		512	8.1	--	--	--	0.09 T	0.15 T	--	0.00 T
09/10/75	5701			72 F		0.34 T	0.002 T	0.00 T	0.000 T	0.000 T	--
	5701		668	7.4	0.035 T	0.000 T	--	0.02 T	0.39 T	0.000 T	0.01 T
	01N/06E-12C10			M							
03/12/75	5701			69 F		--	--	0.00 T	--	--	--
	5701		446	7.8	--	--	--	0.08 T	0.08 T	--	0.02 T
09/11/75	5701			65 F		--	--	0.00 T	--	--	--
	5701		546	7.3	--	--	--	0.04 T	0.15 T	--	0.02 T
	01N/06E-12C11			M							
09/10/75	5701			72 F		--	--	0.01 T	--	--	--
	5701		536	7.4	--	--	--	0.22 T	0.22 T	--	0.02 T
	01N/06E-12F01			M							
10/22/74	5701			71 F		--	--	0.00 T	--	--	--
	5701		443	7.7	--	--	--	0.14 T	0.10 T	--	0.03 T
	01N/06E-12K03			M							
01/22/75	5701			68 F		--	--	0.00 T	--	--	--
	5701		388	7.9	0.0220 T	--	--	0.08 T	0.14 T	--	0.05 T
	01N/06E-12N01			M							
01/22/75	5701			68 F		--	--	0.00 T	--	--	--
	5701		615	7.8	--	--	--	0.08 T	0.24 T	--	0.02 T
09/11/75	5701			69 F		--	--	0.00 T	--	--	--
	5701		664	7.6	--	--	--	0.20 T	0.38 T	--	0.02 T
	01N/06E-13G02			M							
02/13/75	5701			68 F		--	--	0.00 T	--	--	--
	5701		429	7.9	--	--	--	0.04 T	0.15 T	--	0.12 T
09/11/75	5701			67 F		--	--	0.00 T	--	--	--
	5701		424	7.5	--	--	--	0.05 T	0.20 T	--	0.00 T
	01N/06E-13J01			M							
01/22/75	5701			66 F		--	--	0.00 T	--	--	--
	5701		287	7.8	0.0190 T	--	--	0.02 T	0.14 T	--	0.02 T

TABLE E-2 (CONTINUED)

MINOR ELEMENT ANALYSIS OF GROUND WATER

CONSTITUENTS IN MILLIGRAMS PER LITER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ARSENIC	BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
	5 5-22 5-22,01 01N/07E-04F01 M			CENTRAL VALLEY REGION SAN JOAQUIN VALLEY SAN JOAQUIN COUNTY				CONTINUED			
10/22/74	5701			69 F		--	--	0.01 T	--	--	--
	5701		257	7.7	--	--	--	0.08 T	0.00 T	--	0.01 T
03/12/75	5701			69 F		--	--	0.00 T	--	--	--
	5701		259	7.7	--	--	--	0.00 T	0.00 T	--	0.00 T
	01N/07E-04G01 M										
10/22/74	5701			71 F		--	0.001 T	0.00 T	0.00 T	0.0000 T	--
	5701				0.018 T	0.000 T	--	0.00 T	0.03 T	0.000 T	0.17 T
04/15/75	5701			69 F		--	--	0.00 T	--	--	--
	5701		205	7.9	--	--	--	0.01 T	0.03 T	--	0.00 T
	01N/07E-05A01 M										
02/13/75	5701			69 F		--	--	0.00 T	--	--	--
	5701		248	7.7	--	--	--	0.05 T	0.10 T	--	0.06 T
	01N/07E-05N01 M										
04/16/75	5701			66 F		--	--	0.00 T	--	--	--
	5701		521	7.7	--	--	--	0.00 T	0.02 T	--	0.00 T
	01N/07E-07E01 M										
04/16/75	5701			68 F		--	--	0.00 T	--	--	--
	5701		358	8.0	--	--	--	0.00 T	0.01 T	--	0.04 T
	01N/07E-08F02 M										
10/22/74	5701			71 F		--	--	0.00 T	--	--	--
	5701		243	7.8	--	--	--	0.04 T	0.03 T	--	0.01 T
01/31/75	5701					0.1 T	0.001 T	0.00 T	0.000 T	0.0000 T	--
	5701		250	7.9	0.016 T	0.000 T	--	0.04 T	0.05 T	0.000 T	0.01 T
	01N/07E-08H02 M										
03/12/75	5701			70 F		--	--	0.00 T	--	--	--
	5701		239	7.9	--	--	--	0.08 T	0.02 T	--	0.01 T
09/12/75	5701			67 F		--	--	0.00 T	--	--	--
	5701		240	7.4	--	--	--	0.06 T	0.03 T	--	0.05 T
	01N/07E-08P01 M										
10/22/74	5701			70 F		--	--	0.00 T	--	--	--
	5701		262	7.7	--	--	--	0.02 T	0.02 T	--	0.03 T
02/13/75	5701			68 F		--	--	0.02 T	--	--	--
	5701		269	7.9	--	--	--	0.01 T	0.22 T	--	0.02 T
	01N/07E-16M01 M										
01/22/75	5701			69 F		--	--	0.00 T	--	--	--
	5701		274	8.0	--	--	--	0.00 T	0.04 T	--	0.06 T
07/02/75	5701			69 F		--	--	0.01 T	--	--	--
	5701		268	7.9	--	--	--	0.00 T	0.02 T	--	0.05 T
	01N/07E-17001 M										
01/22/75	5701			68 F		--	--	0.00 T	--	--	--
	5701		289	7.9	--	--	--	0.00 T	0.06 T	--	0.03 T
	01N/07E-17002 M										
03/12/75	5701			70 F		--	--	0.00 T	--	--	--
	5701		301	7.9	--	--	--	0.00 T	0.06 T	--	0.00 T
07/02/75	5701			68 F		--	--	0.01 T	--	--	--
	5701		318	7.8	--	--	--	0.00 T	0.04 T	--	0.02 T
	01N/07E-18B01 M										
04/16/75	5701			68 F		--	--	0.00 T	--	--	--
	5701		255	8.0	--	--	--	0.00 T	0.06 T	--	0.00 T
	01N/07E-18D01 M										
09/11/75	5701			68 F		--	--	0.00 T	--	--	--
	5701		280	7.6	--	--	--	0.05 T	0.11 T	--	0.02 T
	01N/07E-18E02 M										
05/20/75	5701			70 F		--	--	0.01 T	--	--	--
	5701		278	7.7	--	--	--	0.14 T	0.09 T	--	0.08 T
08/21/75	5701			69 F		--	--	0.00 T	--	--	--
	5701		270	7.8	--	--	--	0.04 T	0.06 T	--	0.00 T
	01N/07E-18E03 M										
08/21/75	5701			69 F		--	--	0.00 T	--	--	--
	5701		316	7.7	--	--	--	0.02 T	0.07 T	--	0.03 T
	01N/07E-18L01 M										
01/22/75	5701			67 F		--	--	0.00 T	--	--	--
	5701		279	7.9	--	--	--	0.06 T	0.10 T	--	0.03 T

TABLE E-2 (CONTINUED)
MINOR ELEMENT ANALYSIS OF GROUND WATER

CONSTITUENTS IN MILLIGRAMS PER LITER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ARSENIC	BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
	5 5-22 5-22.01 01N/07E-30E01 M			CENTRAL VALLEY REGION SAN JOAQUIN VALLEY SAN JOAQUIN COUNTY				CONTINUED			
01/22/75	5701 5701	428	66 F 7.6	0.0130 T		-- --	-- --	0.01 T 0.04 T	-- 0.16 T	-- --	-- 0.03 T
09/11/75	5701 5701	458	66 F 7.5	--		-- --	-- --	0.00 T 0.18 T	-- 0.24 T	-- --	-- 0.01 T
	02N/06E-21K01 M										
05/20/75	5701 5701	383	65 F 7.6	--		-- --	-- --	0.02 T 0.10 T	-- 0.12 T	-- --	-- 0.05 T
09/12/75	5701 5701	362	69 F 7.1	--		-- --	-- --	0.00 T 0.08 T	-- 0.12 T	-- --	-- 0.03 T
	02N/06E-22B01 M										
02/13/75	5701 5701	458	65 F 7.8	0.0025 T		-- --	0.004 T --	0.00 T 0.00 T	-- 0.07 T	-- 0.0000 T	-- 0.04 T
02/25/75	5701 5701	449	8.0	0.0050 T		0.20 T 0.000 T	0.004 T --	0.00 T 0.00 T	0.000 T 0.04 T	0.0000 T 0.0000 T	-- 0.00 T
	02N/06E-22E01 M										
02/14/75	5701 5701	393	8.1	0.0026 T		-- 0.000 T	0.001 T --	0.01 T 0.00 T	0.000 T 0.06 T	0.0000 T 0.0000 T	-- 0.00 T
	02N/06E-22Q01 M										
02/13/75	5701 5701	318	68 F 8.1	--		-- --	-- --	0.00 T 0.02 T	-- 0.05 T	-- --	-- 0.08 T
	02N/06E-22Q01 M										
03/12/75	5701 5701	372	66 F 7.9	--		-- --	-- --	0.00 T 0.00 T	-- 0.05 T	-- --	-- 0.02 T
09/12/75	5701 5701	381	70 F 7.4	--		-- --	-- --	0.00 T 0.00 T	-- 0.05 T	-- --	-- 0.04 T
	02N/06E-22Q02 M										
10/24/74	5701 5701	382	7.8	--		-- --	-- --	0.00 T 0.01 T	-- 0.00 T	-- --	-- 0.00 T
04/15/75	5701 5701	388	69 F 7.6	--		-- --	-- --	0.00 T 0.00 T	-- 0.00 T	-- --	-- 0.01 T
	02N/06E-27B01 M										
04/15/75	5701 5701	360	70 F 7.7	--		-- --	-- --	0.00 T 0.00 T	-- 0.05 T	-- --	-- 0.00 T
	02N/06E-27K01 M										
10/23/74	5701 5701	366	69 F 7.9	--		-- --	-- --	0.00 T 0.00 T	-- 0.10 T	-- --	-- 0.00 T
05/20/75	5701 5701	382	65 F 7.9	--		-- --	-- --	0.03 T 0.00 T	-- 0.18 T	-- --	-- 0.04 T
	02N/06E-27K02 M										
10/23/74	5701 5701	391	69 F 7.8	--		-- --	-- --	0.00 T 0.02 T	-- 0.00 T	-- --	-- 0.06 T
02/13/75	5701 5701	403	66 F 7.8	--		-- --	-- --	0.00 T 0.00 T	-- 0.01 T	-- --	-- 0.10 T
	02N/06E-27L01 M										
10/23/74	5701 5701			0.0060 T		-- 0.000 T	0.000 T --	0.00 T 0.02 T	0.000 T 0.06 T	0.0000 T 0.000 T	-- 0.03 T
	02N/06E-27P01 M										
08/21/75	5701 5701	250	68 F 7.8	--		-- --	-- --	0.00 T 0.04 T	-- 0.06 T	-- --	-- 0.00 T
	02N/06E-33A01 M										
08/21/75	5701 5701	270	70 F 7.9	--		-- --	-- --	0.00 T 0.02 T	-- 0.05 T	-- --	-- 0.02 T
	02N/06E-33F01 M										
08/21/75	5701 5701	319	69 F 7.8	--		-- --	-- --	0.00 T 0.04 T	-- 0.08 T	-- --	-- 0.03 T
	02N/06E-33G01 M										
08/21/75	5701 5701	362	68 F 7.6	--		-- --	-- --	0.00 T 0.16 T	-- 0.24 T	-- --	-- 0.01 T
	02N/06E-33K01 M										
09/12/75	5701 5701	305	70 F 7.4	--		-- --	-- --	0.00 T 0.00 T	-- 0.08 T	-- --	-- 0.03 T
	02N/06E-33M03 M										
03/12/75	5701 5701	310	68 F 8.0	--		-- --	-- --	0.00 T 0.24 T	-- 0.17 T	-- --	-- 0.00 T

TABLE E-2 (CONTINUED)

MINOR ELEMENT ANALYSIS OF GROUND WATER

CONSTITUENTS IN MILLIGRAMS PER LITER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ARSENIC	BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC	REM
	5			CENTRAL VALLEY REGION								
	5-22			SAN JOAQUIN VALLEY								
	5-22.01			SAN JOAQUIN COUNTY					CONTINUED			
	02N/06E-33N01			M								
03/12/75	5701			67 F		--	--	0.00 T	--	--	--	P
	5701	481		7.7	--	--	--	0.24 T	0.17 T	--	0.00 T	E
	02N/06E-34B01			M								
05/21/75	5701			67 F		--	--	0.04 T	--	--	--	P
	5701	517		7.7	--	--	--	0.02 T	0.00 T	--	0.01 T	E
	02N/06E-34C01			M								
05/20/75	5701			67 F		--	--	0.00 T	--	--	--	P
	5701	239		7.7	--	--	--	0.02 T	0.13 T	--	0.04 T	E
	02N/06E-34K02			M								
03/18/75	5701					0.09 T	0.003 T	0.00 T	0.000 T	0.0000 T	--	P
	5701	275		7.9	0.0300 T	0.000 T	--	0.09 T	0.06 T	0.0000 T	0.01 T	E
	02N/06E-34Q01			M								
03/12/75	5701			68 F		--	--	0.00 T	--	--	--	P
	5701	934		7.8	--	--	--	0.42 T	0.60 T	--	0.00 T	E
09/10/75	5701			69 F		--	--	0.01 T	--	--	--	P
	5701	573		7.6	--	--	--	0.36 T	0.51 T	--	0.02 T	E
	02N/06E-35B01			M								
04/19/75	5701			68 F		--	--	0.00 T	--	--	--	P
	5701	382		7.9	--	--	--	0.00 T	0.04 T	--	0.00 T	E
	02N/06E-36A01			M								
08/21/75	5701			68 F		--	--	0.04 T	--	--	--	P
	5701	378		7.4	--	--	--	0.00 T	0.00 T	--	0.06 T	E
09/11/75	5701			65 F		--	--	0.00 T	--	--	--	P
	5701	378		7.5	--	--	--	0.00 T	0.01 T	--	0.03 T	E
	02N/06E-36F01			M								
12/20/74	5701			68 F		--	--	0.01 T	--	--	--	P
	5701	218		7.6	--	--	--	0.04 T	0.15 T	--	0.01 T	E
	02N/06E-36G01			M								
04/11/75	5701			67 F		0.10 T	0.003 T	0.00 T	0.000 T	0.000 T	--	P
	5701	249		7.9	0.007 T	0.000 T	--	0.00 T	0.03 T	0.000 T	0.00 T	E
	02N/06E-36N03			M								
08/21/75	5701			68 F		--	--	0.00 T	--	--	--	P
	5701	412		7.6	--	--	--	0.00 T	0.00 T	--	0.01 T	E
	02N/06E-36R03			M								
07/02/75	5701			70 F		--	--	0.01 T	--	--	--	P
	5701	395		7.5	--	--	--	0.00 T	0.01 T	--	0.03 T	E
	02S/06E-20K01			M								
11/08/74	5050			68.5F		--	--	--	--	--	--	
1640	5050	746		8.0	--	--	--	0.08 T	0.12 T	--	--	E
	02S/06E-20K02			M								
11/28/74	5050			70 F		--	--	--	--	--	--	
1515	5050	2790		8.0	--	--	--	1.2 T	0.22 T	--	--	E
	02S/06E-20L01			M								
11/08/74	5050			72 F		--	--	--	--	--	--	
1730	5050	1470		8.0	--	--	--	1.1 T	0.10 T	--	--	E
	02S/06E-20R01			M								
11/08/74	5050			68 F		--	--	--	--	--	--	
1615	5050	981		7.9	--	--	--	0.14 T	0.16 T	--	--	E
	02S/06E-20R03			M								
11/08/74	5050			68.5F		--	--	--	--	--	--	
1634	5050	810		8.0	--	--	--	0.84 T	0.19 T	--	--	E
	5-22.51			EAST CONTRA COSTA AREA								
	01N/03E-17E01			M								
06/24/75	5050					--	--	0.00 T	0.0 T	--	--	
1230	5050	1300		7.5	0.00 T	--	--	0.09 T	0.00 T	--	1.2 T	
	6			LAHONTAN REGION								
	6-01			SURPRISE VALLEY								
	42N/16E-04P01			M								
08/14/75	5050			59.0F		--	--	0.00 T	0.00 T	--	--	
0930	5050	320		7.2	--	0.00 T	--	0.11 T	0.00 T	--	0.00 T	
	6-02			MADELINE PLAIN								
	35N/13E-25M01			M								
08/15/75	5050			53.0F		--	--	0.01 T	0.00 T	--	--	
0915	5050	1075		7.2	--	0.00 T	--	0.00 T	0.01 T	--	0.07 T	

TABLE E-3

SUPPLEMENTAL MINOR ELEMENT ANALYSIS OF GROUND WATER

Sampler and Lab Agency Codes

5050 - California Department of Water Resources

5701 - California Water Service Company

Abbreviations

TIME	-	Pacific Standard Time on a 24-hour clock
EC	-	Electrical conductance in micromhos at 25° Celsius
TEMP	-	Water temperature at time of sampling in degrees Fahrenheit (F) and Celsius (C)
PH	-	Measure of acidity (<7) or alkalinity (>7) of water
D	-	Dissolved
T	-	Total

TABLE E-3 (CONTINUED)

SUPPLEMENTAL MINOR ELEMENT ANALYSIS OF GROUND WATER

CONSTITUENTS IN MILLIGRAMS PER LITER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ALUMINUM	ANTIMONY BERYLLIUM	BISMUTH COBALT	GALLIUM GERMANIUM	LITHIUM MOLYBDENUM	NICKEL STRONTIUM	TITANIUM VANADIUM
	5			CENTRAL VALLEY REGION							
	5-21			SACRAMENTO VALLEY							
	5-21.06			YUBA COUNTY							
	15N/03E-12R02			M							
03/05/75	5701		62 F			--	--	--	0.001 T	--	--
	5701	422	7.6	--		--	--	--	--	0.24 T	--
	15N/03E-13J01			M							
05/13/75	5701		63 F			--	--	--	0.000 T	--	--
	5701	485	7.5	--		--	--	--	--	0.33 T	--
	15N/03E-13J03			M							
08/19/75	5701		62 F			--	--	--	0.000 T	--	--
	5701	238	7.4	--		--	--	--	--	0.14 T	--
	15N/03E-13N01			M							
07/01/75	5701		64 F			--	--	--	0.000 T	--	--
	5701	530	7.5	--		--	--	--	--	0.40 T	--
	15N/03E-14J03			M							
08/19/75	5701		64 F			--	--	--	0.002 T	--	--
	5701	544	7.5	--		--	--	--	--	0.36 T	--
	15N/04E-07L01			M							
05/12/75	5701		64 F			--	--	--	0.004 T	--	--
	5701	337	7.7	--		--	--	--	--	0.22 T	--
	15N/04E-07M02			M							
05/13/75	5701		63 F			--	--	--	0.000 T	--	--
	5701	425	7.4	--		--	--	--	--	0.30 T	--
	15N/04E-18C01			M							
08/19/75	5701		63 F			--	--	--	0.000 T	--	--
	5701	378	7.7	--		--	--	--	--	0.24 T	--
	15N/04E-18D01			M							
03/05/75	5701		62 F			--	--	--	0.002 T	--	--
	5701	468	7.6	--		--	--	--	--	0.28 T	--
	5-21.11			SOLANO COUNTY							
	07N/01E-14G02			M							
09/03/75	5701		68 F			--	--	--	0.38 T	--	--
	5701	550	7.9	--		--	--	--	--	0.62 T	--
	07N/01E-14J01			M							
06/24/75	5701		66 F			--	--	--	0.042 T	--	--
	5701	937	8.5	--		--	--	--	--	0.70 T	--
	07N/01E-23A02			M							
03/04/75	5701		66 F			--	--	--	0.042 T	--	--
	5701	1120	7.5	--		--	--	--	--	0.74 T	--
	07N/01E-23A04			M							
03/04/75	5701		67 F			--	--	--	0.040 T	--	--
	5701	605	7.9	--		--	--	--	--	0.58 T	--
	07N/01E-23G02			M							
06/23/75	5701		67 F			--	--	--	0.034 T	--	--
	5701	753	7.9	--		--	--	--	--	0.62 T	--
	07N/01E-24C02			M							
06/23/75	5701		66 F			--	--	--	0.046 T	--	--
	5701	955	7.6	--		--	--	--	--	0.74 T	--

TABLE E-3 (CONTINUED)

SUPPLEMENTAL MINOR ELEMENT ANALYSIS OF GROUND WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ALUMINUM	ANTIMONY BERYLLIUM	BISMUTH COBALT	GALLIUM GERMANIUM	LITHIUM MOLYBDENUM	NICKEL STRONTIUM	TITANIUM VANADIUM
					CONSTITUENTS IN MILLIGRAMS PER LITER						
	5			CENTRAL VALLEY REGION							
	5-22			SAN JOAQUIN VALLEY							
	5-22.01			SAN JOAQUIN COUNTY							
	01N/06E-01J01			M							
04/18/75	5701			68 F		--	--	--	0.006 T	--	--
	5701		517	7.8	--	--	--	--	--	0.56 T	--
	01N/06E-01M01			M							
05/20/75	5701			68 F		--	--	--	0.004 T	--	--
	5701		296	7.8	--	--	--	--	--	0.14 T	--
	01N/06E-02M01			M							
05/20/75	5701			69 F		--	--	--	0.004 T	--	--
	5701		464	8.0	--	--	--	--	--	0.08 T	--
09/10/75	5701			70 F		--	--	--	0.002 T	--	--
	5701		447	7.7	--	--	--	--	--	0.08 T	--
	01N/06E-02Q01			M							
02/13/75	5701			70 F		--	--	--	0.000 T	--	--
	5701		414	8.1	--	--	--	--	--	0.10 T	--
	01N/06E-03C01			M							
05/20/75	5701			69 F		--	--	--	0.004 T	--	--
	5701		468	7.7	--	--	--	--	--	0.12 T	--
09/10/75	5701			69 F		--	--	--	0.002 T	--	--
	5701		432	7.7	--	--	--	--	--	0.10 T	--
	01N/06E-11K01			M							
01/22/75	5701			70 F		--	--	--	0.005 T	--	--
	5701		561	7.9	--	--	--	--	--	0.16 T	--
09/11/75	5701			70 F		--	--	--	0.004 T	--	--
	5701		553	7.3	--	--	--	--	--	0.12 T	--
	01N/06E-12A01			M							
04/16/75	5701			67 F		--	--	--	0.000 T	--	--
	5701		371	7.9	--	--	--	--	--	0.14 T	--
	01N/06E-12C01			M							
09/11/75	5701			65 F		--	--	--	0.006 T	--	--
	5701		546	7.3	--	--	--	--	--	0.48 T	--
	01N/06E-12C09			M							
03/12/75	5701			69 F		--	--	--	0.006 T	--	--
	5701		512	8.1	--	--	--	--	--	0.14 T	--
09/10/75	5701			72 F		--	--	--	0.002 T	--	--
	5701		668	7.4	--	--	--	--	--	0.36 T	--
	01N/06E-12C10			M							
03/12/75	5701			69 F		--	--	--	0.008 T	--	--
	5701		446	7.8	--	--	--	--	--	0.42 T	--
	01N/06E-12C11			M							
09/10/75	5701			72 F		--	--	--	0.002 T	--	--
	5701		536	7.4	--	--	--	--	--	0.12 T	--
	01N/06E-12F01			M							
10/22/74	5701			71 F		--	--	--	0.002 T	--	--
	5701		443	7.7	--	--	--	--	--	0.08 T	--
	01N/06E-12K03			M							
01/22/75	5701			68 F		--	--	--	0.005 T	--	--
	5701		388	7.9	--	--	--	--	--	0.26 T	--
	01N/06E-12N01			M							
01/22/75	5701			68 F		--	--	--	0.005 T	--	--
	5701		615	7.8	--	--	--	--	--	0.30 T	--
09/11/75	5701			69 F		--	--	--	0.004 T	--	--
	5701		664	7.6	--	--	--	--	--	0.32 T	--
	01N/06E-13G02			M							
02/13/75	5701			68 F		--	--	--	0.000 T	--	--
	5701		429	7.9	--	--	--	--	--	0.26 T	--
09/11/75	5701			67 F		--	--	--	0.002 T	--	--
	5701		424	7.5	--	--	--	--	--	0.28 T	--

TABLE E-3 (CONTINUED)
SUPPLEMENTAL MINOR ELEMENT ANALYSIS OF GROUND WATER

CONSTITUENTS IN MILLIGRAMS PER LITER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ALUMINUM	ANTIMONY BERYLLIUM	BISMUTH COBALT	GALLIUM GERMANIUM	LITHIUM MOLYBDENUM	NICKEL STRONTIUM	TITANIUM VANADIUM
	S			CENTRAL VALLEY REGION							
	S-22			SAN JOAQUIN VALLEY							
	S-22.01			SAN JOAQUIN COUNTY					CONTINUED		
	01N/06E-13J01		M								
01/22/75	5701		66 F			--	--	--	0.004 T	--	--
	5701	287	7.8	--		--	--	--	--	0.18 T	--
	01N/07E-04F01		M								
10/22/74	5701		69 F			--	--	--	0.002 T	--	--
	5701	257	7.7	--		--	--	--	--	0.20 T	--
03/12/75	5701		69 F			--	--	--	0.000 T	--	--
	5701	259	7.7	--		--	--	--	--	0.22 T	--
	01N/07E-04G01		M								
10/22/74	5701		71 F			--	--	--	0.002 T	--	--
	5701				--	--	--	--	--	0.17 T	--
04/15/75	5701		69 F			--	--	--	0.000 T	--	--
	5701	205	7.9	--		--	--	--	--	0.10 T	--
	01N/07E-05A01		M								
02/13/75	5701		69 F			--	--	--	0.000 T	--	--
	5701	248	7.7	--		--	--	--	--	0.20 T	--
	01N/07E-05N01		M								
04/16/75	5701		66 F			--	--	--	0.002 T	--	--
	5701	521	7.7	--		--	--	--	--	0.52 T	--
	01N/07E-07E01		M								
04/16/75	5701		68 F			--	--	--	0.006 T	--	--
	5701	358	8.0	--		--	--	--	--	0.32 T	--
	01N/07E-08F02		M								
10/22/74	5701		71 F			--	--	--	0.002 T	--	--
	5701	243	7.8	--		--	--	--	--	0.05 T	--
01/31/75	5701					--	--	--	0.002 T	--	--
	5701	250	7.9	--		--	--	--	--	0.05 T	--
	01N/07E-08H02		M								
03/12/75	5701		70 F			--	--	--	0.000 T	--	--
	5701	239	7.9	--		--	--	--	--	0.02 T	--
09/12/75	5701		67 F			--	--	--	0.000 T	--	--
	5701	240	7.4	--		--	--	--	--	0.06 T	--
	01N/07E-08P01		M								
10/22/74	5701		70 F			--	--	--	0.002 T	--	--
	5701	262	7.7	--		--	--	--	--	0.11 T	--
02/13/75	5701		68 F			--	--	--	0.002 T	--	--
	5701	269	7.9	--		--	--	--	--	0.10 T	--
	01N/07E-16M01		M								
01/22/75	5701		69 F			--	--	--	0.000 T	--	--
	5701	274	8.0	--		--	--	--	--	0.08 T	--
07/02/75	5701		69 F			--	--	--	0.002 T	--	--
	5701	268	7.9	--		--	--	--	--	0.11 T	--
	01N/07E-17D01		M								
01/22/75	5701		68 F			--	--	--	0.002 T	--	--
	5701	289	7.9	--		--	--	--	--	0.12 T	--
	01N/07E-17D02		M								
03/12/75	5701		70 F			--	--	--	0.000 T	--	--
	5701	301	7.9	--		--	--	--	--	0.16 T	--
07/02/75	5701		68 F			--	--	--	0.002 T	--	--
	5701	318	7.8	--		--	--	--	--	0.18 T	--
	01N/07E-18B01		M								
04/16/75	5701		68 F			--	--	--	0.000 T	--	--
	5701	255	8.0	--		--	--	--	--	0.14 T	--
	01N/07E-18D01		M								
09/11/75	5701		68 F			--	--	--	0.002 T	--	--
	5701	280	7.6	--		--	--	--	--	0.12 T	--
	01N/07E-18E02		M								
05/20/75	5701		70 F			--	--	--	0.004 T	--	--
	5701	278	7.7	--		--	--	--	--	0.12 T	--
08/21/75	5701		69 F			--	--	--	0.000 T	--	--
	5701	270	7.8	--		--	--	--	--	0.12 T	--
	01N/07E-18E03		M								
08/21/75	5701		69 F			--	--	--	0.002 T	--	--
	5701	316	7.7	--		--	--	--	--	0.14 T	--

TABLE E-3 (CONTINUED)

SUPPLEMENTAL MINOR ELEMENT ANALYSIS OF GROUND WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ALUMINUM	CONSTITUENTS IN MILLIGRAMS PER LITER ANTIMONY BERYLLIUM	BISMUTH CORALT	GALLIUM GERMANIUM	LITHIUM MOLYBDENUM	NICKEL STRONTIUM	TITANIUM VANADIUM
	R R-22 R-22.01 01N/07E-18L01			CENTRAL VALLEY REGION SAN JOAQUIN VALLEY SAN JOAQUIN COUNTY M					CONTINUED		
01/22/75	5701			67 F		--	--	--	0.002 T	--	--
	5701		279	7.9	--	--	--	--	--	0.10 T	--
	01N/07E-30E01			M							
01/22/75	5701			66 F		--	--	--	0.004 T	--	--
	5701		428	7.6	--	--	--	--	--	0.30 T	--
09/11/75	5701			66 F		--	--	--	0.002 T	--	--
	5701		458	7.5	--	--	--	--	--	0.32 T	--
	02N/06E-21K01			M							
05/20/75	5701			65 F		--	--	--	0.008 T	--	--
	5701		383	7.6	--	--	--	--	--	0.44 T	--
09/12/75	5701			69 F		--	--	--	0.004 T	--	--
	5701		362	7.1	--	--	--	--	--	0.40 T	--
	02N/06E-22B01			M							
02/13/75	5701			65 F		--	--	--	0.000 T	--	--
	5701		458	7.8	--	--	--	--	--	0.53 T	--
02/25/75	5701					--	--	--	0.012 T	--	--
	5701		449	8.0	--	--	--	--	--	0.52 T	--
	02N/06E-22E01			M							
02/14/75	5701					--	--	--	0.004 T	--	--
	5701		393	8.1	--	--	--	--	--	0.46 T	--
	02N/06E-22G01			M							
02/13/75	5701			68 F		--	--	--	0.002 T	--	--
	5701		318	8.1	--	--	--	--	--	0.28 T	--
	02N/06E-22Q01			M							
03/12/75	5701			66 F		--	--	--	0.005 T	--	--
	5701		372	7.9	--	--	--	--	--	0.44 T	--
09/12/75	5701			70 F		--	--	--	0.000 T	--	--
	5701		381	7.4	--	--	--	--	--	0.40 T	--
	02N/06E-22Q02			M							
10/24/74	5701					--	--	--	0.002 T	--	--
	5701		382	7.8	--	--	--	--	--	0.34 T	--
04/15/75	5701			69 F		--	--	--	0.002 T	--	--
	5701		388	7.6	--	--	--	--	--	0.40 T	--
	02N/06E-27B01			M							
04/15/75	5701			70 F		--	--	--	0.004 T	--	--
	5701		360	7.7	--	--	--	--	--	0.36 T	--
	02N/06E-27K01			M							
10/23/74	5701			69 F		--	--	--	0.002 T	--	--
	5701		366	7.9	--	--	--	--	--	0.36 T	--
05/20/75	5701			65 F		--	--	--	0.004 T	--	--
	5701		382	7.9	--	--	--	--	--	0.40 T	--
	02N/06E-27K02			M							
10/23/74	5701			69 F		--	--	--	0.004 T	--	--
	5701		391	7.8	--	--	--	--	--	0.36 T	--
02/13/75	5701			66 F		--	--	--	0.002 T	--	--
	5701		403	7.8	--	--	-	--	--	0.38 T	--
	02N/06E-27L01			M							
10/23/74	5701					--	--	--	0.000 T	--	--
	5701				--	--	--	--	--	0.18 T	--
	02N/06E-27P01			M							
08/21/75	5701			68 F		--	--	--	0.002 T	--	--
	5701		250	7.8	--	--	--	--	--	0.14 T	--
	02N/06E-33A01			M							
08/21/75	5701			70 F		--	--	--	0.002 T	--	--
	5701		270	7.9	--	--	--	--	--	0.08 T	--
	02N/06E-33F01			M							
08/21/75	5701			69 F		--	--	--	0.004 T	--	--
	5701		319	7.8	--	--	--	--	--	0.12 T	--
	02N/06E-33Q01			M							
08/21/75	5701			68 F		--	--	--	0.004 T	--	--
	5701		362	7.6	--	--	--	--	--	0.30 T	--
	02N/06E-33K01			M							
09/12/75	5701			70 F		--	--	--	0.000 T	--	--
	5701		305	7.6	--	--	--	--	--	0.14 T	--

TABLE E-3 (CONTINUED)
SUPPLEMENTAL MINOR ELEMENT ANALYSIS OF GROUND WATER

CONSTITUENTS IN MILLIGRAMS PER LITER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ALUMINUM	ANTIMONY BERYLLIUM	BISMUTH COBALT	GALLIUM GERMANIUM	LITHIUM MOLYBDENUM	NICKEL STRONTIUM	TITANIUM VANADIUM
	5 5-22 5-22.01 02N/06E-33M03			CENTRAL VALLEY REGION SAN JOAQUIN VALLEY SAN JOAQUIN COUNTY M					CONTINUED		
03/12/75	5701 5701		310	68 F 8.0	--	-- --	-- --	-- --	0.004 T --	-- 0.15 T	-- --
	02N/06E-33N01			M							
03/12/75	5701 5701		481	67 F 7.7	--	-- --	-- --	-- --	0.004 T --	-- 0.44 T	-- --
	02N/06E-34B01			M							
05/21/75	5701 5701		517	67 F 7.7	--	-- --	-- --	-- --	0.006 T --	-- 0.50 T	-- --
	02N/06E-34C01			M							
05/20/75	5701 5701		239	67 F 7.7	--	-- --	-- --	-- --	0.004 T --	-- 0.16 T	-- --
	02N/06E-34K02			M							
03/18/75	5701 5701		275	7.9	--	-- --	-- --	-- --	0.010 T --	-- 0.12 T	-- --
	02N/06E-34Q01			M							
03/12/75	5701 5701		R34	68 F 7.8	--	-- --	-- --	-- --	0.004 T --	-- 0.80 T	-- --
09/10/75	5701 5701		573	69 F 7.6	--	-- --	-- --	-- --	0.002 T --	-- 0.44 T	-- --
	02N/06E-35B01			M							
04/19/75	5701 5701		382	68 F 7.9	--	-- --	-- --	-- --	0.004 T --	-- 0.40 T	-- --
	02N/06E-36A01			M							
08/21/75	5701 5701		378	68 F 7.4	--	-- --	-- --	-- --	0.002 T --	-- 0.40 T	-- --
09/11/75	5701 5701		378	65 F 7.5	--	-- --	-- --	-- --	0.002 T --	-- 0.40 T	-- --
	02N/06E-36D01			M							
04/15/75	5701 5701		335	70 F 7.7	--	-- --	-- --	-- --	0.002 T --	-- 0.36 T	-- --
	02N/06E-36F01			M							
12/20/74	5701 5701		218	68 F 7.6	--	-- --	-- --	-- --	0.000 T --	-- 0.28 T	-- --
	02N/06E-36G01			M							
04/11/75	5701 5701		249	67 F 7.9	--	-- --	-- --	-- --	0.002 T --	-- 0.22 T	-- --
	02N/06E-36N03			M							
08/21/75	5701 5701		412	68 F 7.6	--	-- --	-- --	-- --	0.002 T --	-- 0.42 T	-- --
	02N/06E-36R03			M							
07/02/75	5701 5701		395	70 F 7.5	--	-- --	-- --	-- --	0.004 T --	-- 0.42 T	-- --

Appendix F

WASTE WATER DATA

Appendix F, "Waste Water Data", which appeared in certain volumes of the Bulletin No. 130 series, has been discontinued. For information regarding waste water, the reader is referred to the recently reactivated Bulletin No. 68 series: "Inventory of Waste Water Production and Waste Water Reclamation Practices in California".

Please note the data presented in Bulletin No. 68 are on a calendar year basis rather than a water year basis as is the case in Bulletin No. 130.

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