PHYSICAL SCI. LIB.

PHYSICAL SCIENCES LIBRARY

STATE OF CALIFORNIA
The Resources Agency

Department of Water Resources

BULLETIN No. 130-71

5 1974
5 1975
8 REC'D
1974 REC'D
1974
REC'D
N 5 1975
REC'D
1975
JUL 16 REC'D
APR 5 1976
MAR 15 REC'D
APR 16 REC'D

HYDROLOGIC DATA: 1971

Volume II: NORTHEASTERN CALIFORNIA

DECEMBER 1972

UNIVERSITY OF CALIFORNIA
DAVIS
APR 18 1973
GOV'T. DOCS. - LIBRARY

NORMAN B. LIVERMORE, JR.
Secretary for Resources
The Resources Agency

RONALD REAGAN
Governor
State of California

WILLIAM R. GIANELLI
Director
Department of Water Resources

STATE OF CALIFORNIA
The Resources Agency

Department of Water Resources

BULLETIN No. 130-71

HYDROLOGIC DATA: 1971

Volume II: NORTHEASTERN CALIFORNIA

Copies of this bulletin at $6.00 each may be ordered from:
State of California
DEPARTMENT OF WATER RESOURCES
P.O. Box 388
Sacramento, California 95802

Make checks payable to STATE OF CALIFORNIA
California residents add 5 percent sales tax.

DECEMBER 1972

NORMAN B. LIVERMORE, JR.
Secretary for Resources
The Resources Agency

RONALD REAGAN
Governor
State of California

WILLIAM R. GIANELLI
Director
Department of Water Resources

BULLETIN No. 130

HYDROLOGIC DATA
AREAL COVERAGE OF VOLUMES

EACH VOLUME CONTAINS

Appendix A: Climatological Data
Appendix B: Surface Water Measurements
Appendix C: Ground Water Measurements
Appendix D: Surface Water Quality
Appendix E: Ground Water Quality

THIS VOLUME :

FOREWORD

The hydrologic data programs of the Department of Water Resources supplement the data collection activities of other agencies and help satisfy the needs for data on the quality and quantity of water in the State. Bulletin No. 130-71 presents accurate, comprehensive, and timely hydrologic data which provide a more complete knowledge of the factors affecting our environment and are prerequisites for effective planning, design, construction, and operation of water facilities.

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

William R. Gianelli

William R. Gianelli, Director
Department of Water Resources
The Resources Agency
State of California
December 8, 1972

METRIC CONVERSION TABLE

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

TABLE OF CONTENTS

	Page
AREAL COVERAGE OF VOLUMES	ii
FOREWORD	iii
METRIC CONVERSION TABLE	iv
ACKNOWLEDGMENTS	viii
ORGANIZATION	ix
ABSTRACT	x
APPENDIXES	
Appendix A: CLIMATOLOGICAL DATA	
Introduction	3
FIGURES	
Figure Number	
A-1 Climatological Observation Stations	4
TABLES	
Table Number	
A-1 Index of Storage Gage Precipitation Stations	5
A-2 Storage Gage Precipitation Data	7
Appendix B: SURFACE WATER MEASUREMENTS	
Introduction	11
Alphabetical Index to Tables	20
Alphabetical Index to Surface Water Measurement Stations	21
Hydrographic Area Code Number Index to Surface Water Measurement Stations	25
FIGURES	
Figure Number	
B-1 Surface Water Measurement Stations	12
B-2 Surface Water Measurement Stations, Sacramento-San Joaquin Delta Area	18

Appendix B: SURFACE WATER MEASUREMENTS (Continued) Page

TABLES

Table Number		
B-1	Annual Unimpaired Runoff	31
B-2	Monthly Unimpaired Runoff	33
B-3	Summary of Monthly Water Supply and Utilization, Sacramento-San Joaquin Delta	34
B-4	Gaging Station Additions and Discontinuations	36
B-5	Daily Mean Discharge	37
B-6	Streamflow Measurements at Miscellaneous Sites	122
B-7	Diversions	124
B-8	Deliveries from Folsom and Nimbus Reservoirs	130
B-9	Importations into Northeastern California	130
B-10	Exportations from Northeastern California	130
B-11	Daily Mean Gage Height	131
B-12	Daily Maximum and Minimum Tides	174
B-13	Content of Reservoirs	204
B-14	Daily Inflow	209
B-15	Corrections and Revisions to Previously Published Reports of Surface Water Data	213

Appendix C: GROUND WATER MEASUREMENTS

Introduction 219

Index to Ground Water Measurement Data 220

FIGURES

Figure Number		
C-1	Ground Water Basins in Northeastern California	221
C-2	Fluctuation of Average Ground Water Level in Selected Areas	224
C-3	Fluctuation of Water Level in Wells	227

TABLES

Table Number		
C-1	Average Change of Ground Water Levels and Summary of Well Measurements Reported	222
C-2	Ground Water Levels at Wells	232

Appendix D: SURFACE WATER QUALITY — Page

Introduction 281

FIGURES

Figure Number		
D-1	Surface Water Quality Sampling Stations	282
D-2	Surface Water Quality Sampling Stations, Sacramento-San Joaquin Delta Area	290

TABLES

Table Number		
D-1	Sampling Station Data and Index	292
D-2	Mineral Analyses of Surface Water	294
D-3	Miscellaneous Constituents in Surface Water	344
D-4	Nutrient Analysis of Surface Water	375
D-5	Pesticides in Surface Water and Sediment	392
D-6	Daily Maximum and Minimum and Monthly Average Water Temperatures	398
D-7	Daily Maximum, Minimum, and Average Specific Conductance	404
D-8	Plankton Analysis of Surface Water	419
D-9	Salinity Observations at Bay and Delta Stations	420
D-10	Maximum Observed Salinity at Bay and Delta Stations . . .	423

Appendix E: GROUND WATER QUALITY

Introduction 427

Index to Ground Water Quality Data 428

FIGURES

Figure Number		
E-1	Ground Water Basins in Northeastern California	429

TABLES

Table Number		
E-1	Mineral Analyses of Ground Water	430
E-2	Trace Element Analyses of Ground Water	454

ACKNOWLEDGMENTS

In the collection of data for this bulletin, the Department has been aided by various public and private agencies and by many private citizens. This cooperation is gratefully acknowledged. Special mention is made of the following agencies which have made substantial contributions to this bulletin.

Arcade Water District
Butte County
California Water Service Company
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 and East San Joaquin Water Conservation District
Sutter County
Tehama County

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

State of California
The Resources Agency
DEPARTMENT OF WATER RESOURCES

RONALD REAGAN, Governor, State of California
NORMAN B. LIVERMORE, JR., Secretary for Resources
WILLIAM R. GIANELLI, Director, Department of Water Resources
JOHN R. TEERINK, Deputy Director

This report was prepared in the

CENTRAL DISTRICT

John M. Haley . . . . . District Engineer
Vernon Bengal . . . . . Chief, Water Resources Evaluation Branch

by

Edward J. Labrie . . . . . Chief, Water Supply Section

assisted by

Grant C. Ardell . . . . . Water Resources Engineering Associate
Joseph L. Clausse . . . . . Water Resources Engineering Associate
Emil M. Padjen . . . . . Water Resources Engineering Associate

A portion of the data was furnished by the

NORTHERN DISTRICT

Albert J. Dolcini . . . . . District Engineer
George R. Baumli . . . . . Chief, Planning Branch
Wayne S. Gentry . . . . . Chief, Operations Branch

by

Robert F. Clawson . . . . . Chief, Water Quality and Biology Section
Robert F. Middleton, Jr.. .Chief, Surface Water and Flood Control Section
Philip J. Lorens. . . . . Chief, Geology and Ground Water Section
Robert R. McGill. . . . . Chief, Land and Water Use Section

Reviewed and Coordinated by
Division of Resources Development
Environmental Quality Branch
Water Resources Evaluation Section

ABSTRACT

Report contains tables showing data on climate, surface water flow, ground water levels, and surface and ground water quality in Northeastern California for the 1970-71 water year. Figures show the location of climatological observation stations and ground water basins; the fluctuation of average ground water level; fluctuation of water level in wells; the location of surface water measurement and surface water quality stations; and hydrographic unit boundaries.

Appendix A

CLIMATOLOGICAL DATA

INTRODUCTION

The Department of Water Resources has substantially reduced its collection and publication of climatological data in recent years. In this issue of Bulletin No. 130, only the storage gage precipitation data for the 1971 water year will be printed. These gages are located in the remote mountain regions where there are no observers available for 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.

California's primary network of precipitation data, which was formerly printed in this bulletin, is available in "Climatological Data-California", and "Hourly Precipitation Data-California". These National Weather Service publications are available from:

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

The primary network of precipitation stations has been found to be inadequate for operating local water supply and small-scale flood control projects. Local agencies within the area covered by this report have responded to this need by establishing their own supplemental rain gage networks. Some of these agencies are:

City of Roseville

East Bay Municipal Utility District

Pacific Gas and Electric Company

Placer County Water Agency

Sacramento County

Sacramento Municipal Utility District

Tehama County Flood Control and Water Conservation District

FIGURE A-1

CLIMATOLOGICAL OBSERVATION STATIONS

TABLE A-1

INDEX OF STORAGE GAGE PRECIPITATION
STATIONS IN NORTHEASTERN CALIFORNIA

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

Sacramento River Basin

A1 Pit River
A2 Shasta Lake
A3 Sacramento Valley Westside
A4 Sacramento Valley Northeast
A5 Feather River
A6 Yuba-Bear Rivers
A7 American River

San Joaquin River Basin

B1 Cosumnes River
B2 Mokelumne-Calaveras Rivers

North Lahontan Area

G2 Madeline Plains
G3 Eagle Lake
G7 Truckee River

40-Acre Tract - This denotes the location of the station within the section. The letter code is derived from the 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

Cooperator's Index Number - This is the number assigned to the station by the agency responsible for or handling the records of the station. The National Weather Service number is shown in this column only when it differs from the alpha order number.

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

Alpine	02	Modoc	25	Sierra	46
Colusa	06	Nevada	29	Siskiyou	47
El Dorado	09	Placer	31	Tehama	52
Glenn	11	Plumas	32		
Lassen	18	Shasta	45		

TABLE A-1

INDEX OF STORAGE GAGE PRECIPITATION STATIONS

NORTHEASTERN CALIFORNIA

Station Number	Station Name	Elevation (in Feet)	Section	Township	Range	40-Acre Tract	Base & Meridian	Latitude D I II	Longitude D I II	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	M	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	M	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			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			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
G7 8082	SECOND SUMMIT	6460	SEC 03	T19N	R17E	H	M	39 31 43	120 03 58	911		1958			46
A6 8332	SODA SPRINGS 1 E	6885	SEC 23	T17N	R14E	G	M	39 19 33	120 22 00	900	PN8320	1946		05	29
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	SWEAGERT 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-2

STORAGE GAGE PRECIPITATION DATA

Station	Agency	1970-71 Season		
		Measurement Period		Precipitation in Inches
SACRAMENTO RIVER BASIN				
PIT RIVER A1				
BLACKS MOUNTAIN	DWR Northern District	6-22-70	8- 9-71	34.14
BUTTE LAKE	DWR Northern District	7- 2-70	7- 7-71	46.20
DEAD HORSE RESERVOIR 2 SE	DWR Northern District	6-24-70	8-11-71	24.10
LASSEN CREEK UPPER	DWR Northern District	6-24-70	8-11-71	29.62
LONG BELL STATION	DWR Northern District	6-25-70	7-29-71	33.63
MEDICINE LAKE	DWR Northern District	6-25-70	7-29-71	52.63
PATTERSON MEADOW	DWR Northern District	6-23-70	8-10-71	38.09
PEPPERDINES CAMP	DWR Northern District	6-23-70	8-10-71	40.91
SWEAGERT FLAT	DWR Northern District	6-25-70	8- 9-71	41.86
SHASTA LAKE A2				
MT. SHASTA SLOPE	DWR Northern District	6-24-70	7-28-71	74.38
STOUTS MEADOW	DWR Northern District	6-24-70	8-12-71	98.12
SACRAMENTO VALLEY WESTSIDE A3				
ALDER SPRINGS	COE Sacramento District	10-13-70	8-25-71	37.70
BALL MOUNTAIN LOOKOUT	DWR Northern District	7- 7-70	8-26-71	51.18
LOG SPRING	COE Sacramento District	10-12-70	8-25-71	38.95
NOEL SPRING	COE Sacramento District	10-13-70	8-25-71	45.65
SADDLE CAMP RANGER STATION	DWR Northern District	7- 6-70	6-28-71	34.67
TROUGH SPRING	COE Sacramento District	10-14-70	8-26-71	47.15
SACRAMENTO VALLEY NORTHEAST A4				
DEER CREEK FLAT	DWR Northern District	7-15-70	9-21-71	30.62
DeWITT PEAK 2 WSW	DWR Northern District	7- 8-70	6-29-71	27.49
HOGBACK ROAD	DWR Northern District	7- 6-70	6-28-71	29.34
McCARTHY POINT	DWR Northern District	7- 9-70	6-30-71	46.59
TWENTY MILE HOLLOW	DWR Northern District	7- 9-70	6-30-71	31.35
FEATHER RIVER A5				
BOULDER CREEK GUARD STATION	DWR Central District	9-30-70	9-22-71	35.38
CAMEL PEAK	DWR Central District	9-28-70	9-20-71	74.22
CLARKS PEAK 1 NE	DWR Central District	9-30-70	9-22-71	35.68
CLOVER VALLEY	DWR Central District	10- 1-70	9-23-71	26.12
GRANITE SPRING	DWR Central District	10- 1-70	9-23-71	26.54
LIGHTS CREEK	DWR Central District	9-30-70	9-22-71	46.88
LITTLE LAST CHANCE VALLEY	DWR Central District	10- 1-70	9-23-71	23.90
MT. HOUGH SNOWCOURSE	DWR Central District	9-29-70	9-21-71	63.15
ONION VALLEY	DWR Central District	9-29-70	9-21-71	67.99
SWAIN MOUNTAIN	DWR Central District	9-30-70	9-22-71	69.75
THREE MILE VALLEY	DWR Central District	10- 1-70	9-23-71	48.37
YUBA-BEAR RIVERS A6				
SODA SPRINGS 1 E	COE Sacramento District	10- 9-70	7-13-71	76.00
AMERICAN RIVER A7				
BRUSHY SPRINGS GUARD STATION	DWR Central District	9-25-70	7-21-71	57.97
FORNI RIDGE	DWR Snow Surveys	9-28-70	10- 1-71	47.81
GERLE CREEK CAMP	DWR Central District	10- 6-70	7-21-71	58.67
ROBERTSON FLAT	DWR Central District	9-24-70	7-19-71	78.91
THE CEDARS	DWR Central District	10- 2-70	7-19-71	64.44
WESTVILLE	DWR Central District	9-24-70	7-19-71	57.68
WRIGHTS LAKE	DWR Central District	10- 6-70	7-21-71	61.83
SAN JOAQUIN RIVER BASIN				
COSUMNES RIVER B1				
LUMBERYARD	DWR Central District	10- 7-70	9-30-71	73.61
MOKELUMNE-CALAVERAS RIVERS B2				
HIGHLAND LAKES	DWR San Joaquin District	7- 8-70	6-30-71	36.05
NORTH LAHONTAN AREA				
MADELINE PLAINS G2				
DODGE RESERVOIR 3 NNE	DWR Northern District	6-23-70	8-10-71	20.88
EAGLE LAKE G3				
CHAMPS FLAT	DWR Northern District	6-22-70	8- 9-71	23.32
TRUCKEE RIVER G7				
BROCKWAY SUMMIT	COE Sacramento District	10- 9-70	10- 1-71	39.95
LOWER MEADOW	USFS Inter Mountain	10- 1-70	6- 1-71	28.58
		6- 1-71	9-30-71	1.10
SECOND SUMMIT	USFS Inter Mountain	10- 1-70	6- 1-71	29.24
		6- 1-71	9-30-71	--

Appendix B

SURFACE WATER MEASUREMENTS

INTRODUCTION

This appendix contains surface water data for the 1971 water year, which is from October 1, 1970, to September 30, 1971. The data consist of daily mean discharges; daily mean gage heights; daily maximum and minimum tides; gaging station locations; diversion quantities; water imported to the report area; water exported from the report area; summary of water supply and utilization for the Sacramento-San Joaquin Delta; streamflow measurements at miscellaneous locations; corrections and revisions to previously published reports; and contents and inflow for major reservoirs.

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

<u>Sacramento River Basin</u>

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

<u>San Joaquin River Basin</u>

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

<u>San Francisco Bay Area</u>

E0 San Francisco Bay

<u>North Lahontan Area</u>

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

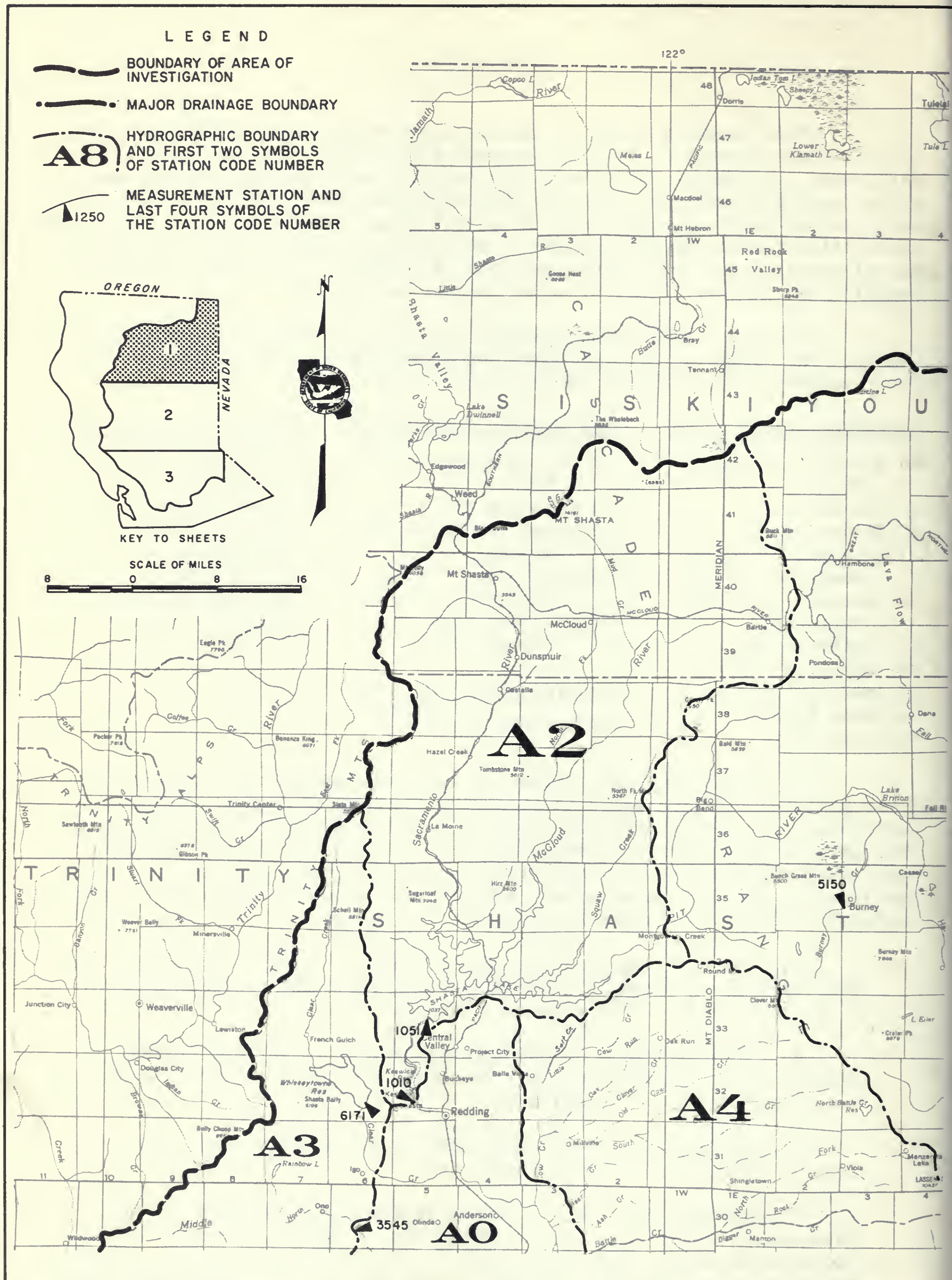
In addition to data collected and published by the Department of Water Resources in this appendix, the U. S. Geological Survey collects and publishes data on many additional gaging stations for the same report area. This work is done under a federal-state cooperative contract or through cooperative arrangements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

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

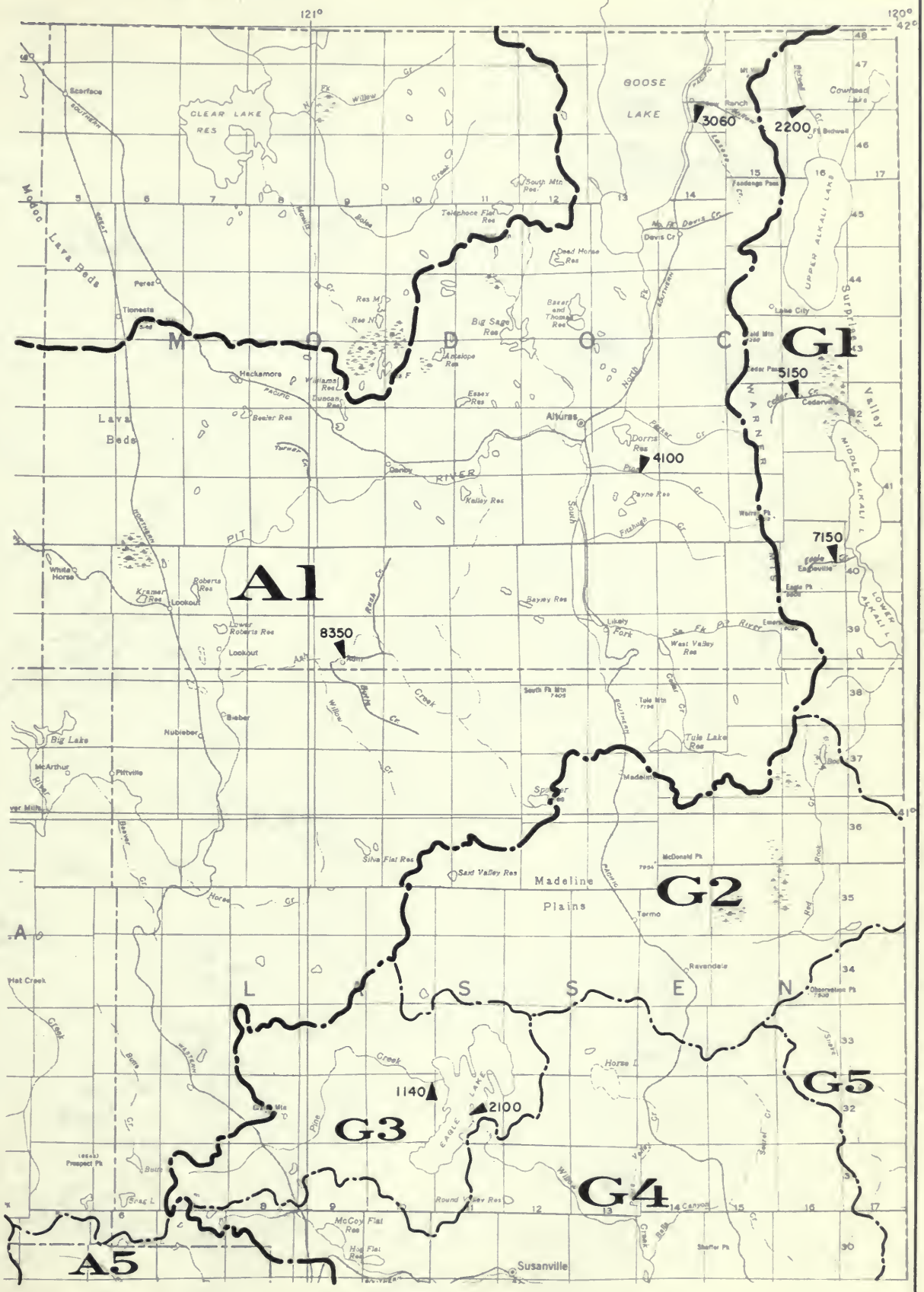
2. "Annual Report of Operations, Central Valley Operations Office, Water and Power Control Division." U. S. Department of the Interior, Bureau of Reclamation.

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

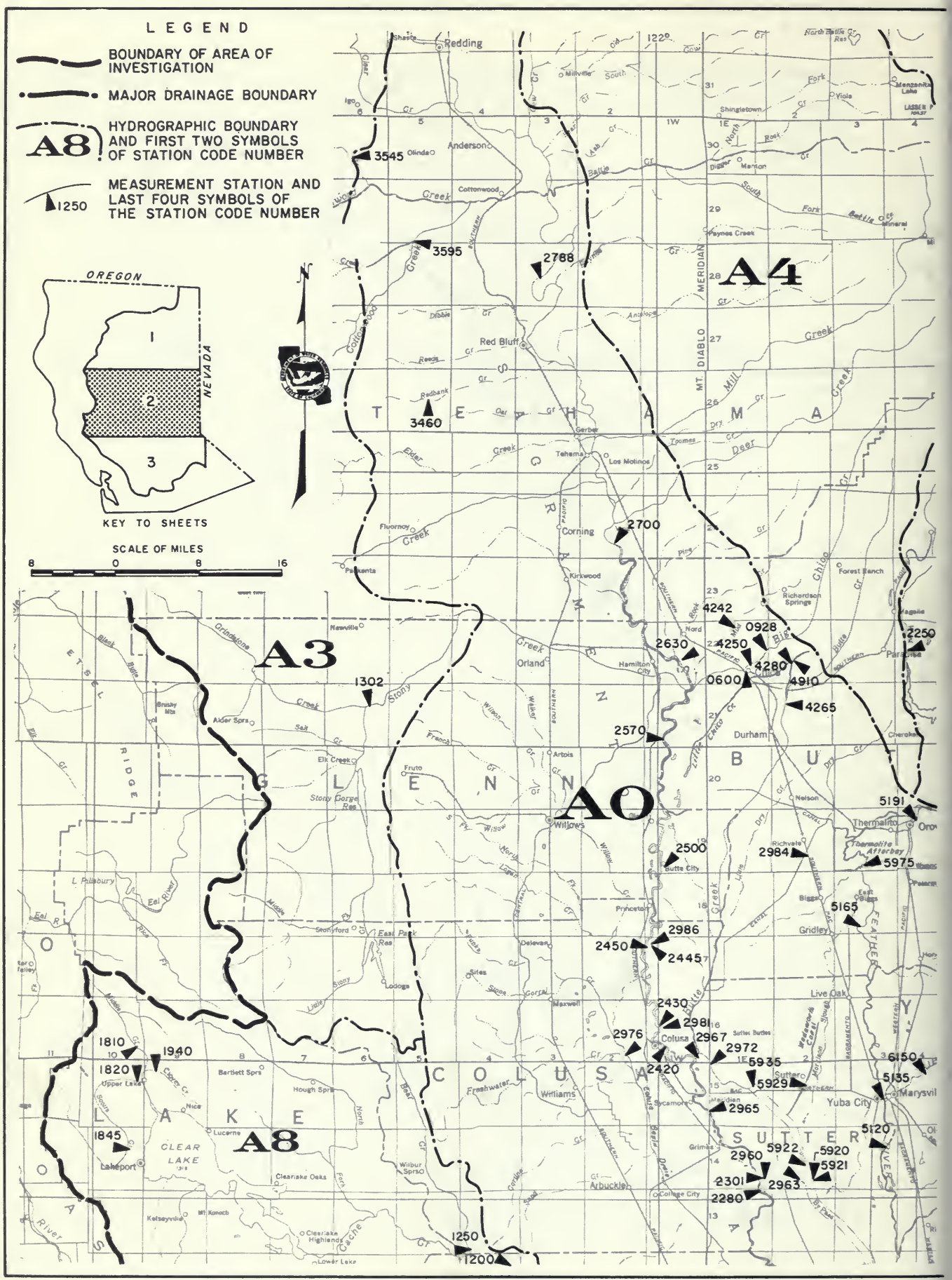
4. Bulletin No. 157, "Index of Stream Gaging Stations in and Adjacent to California, 1970". Department of Water Resources. This index contains the period of record -- with number of years missing -- and more information for stations in the report area. The index also identifies the agency from which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



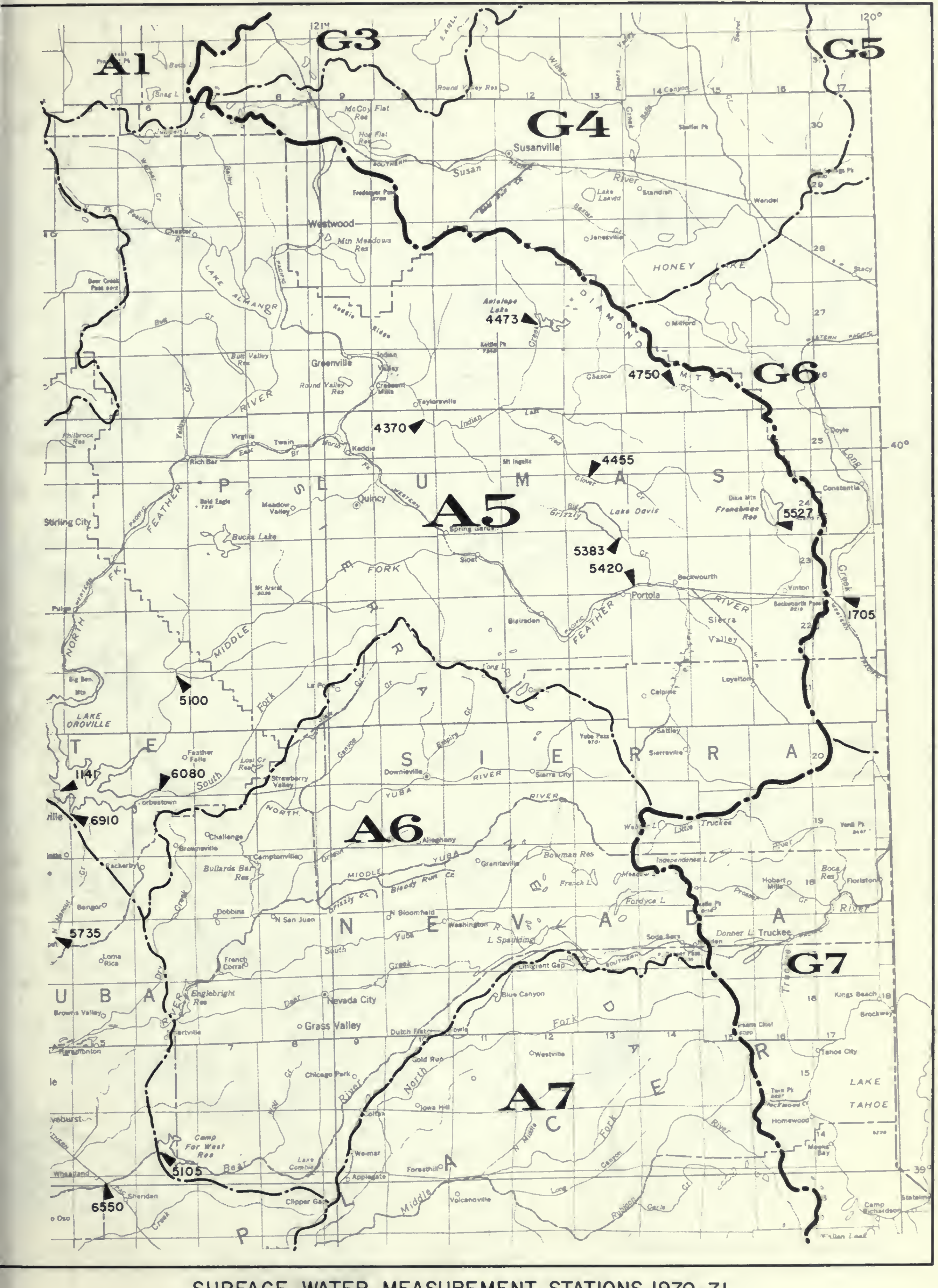
SURFACE WATER MEASUREMENT STATIONS 1970-71



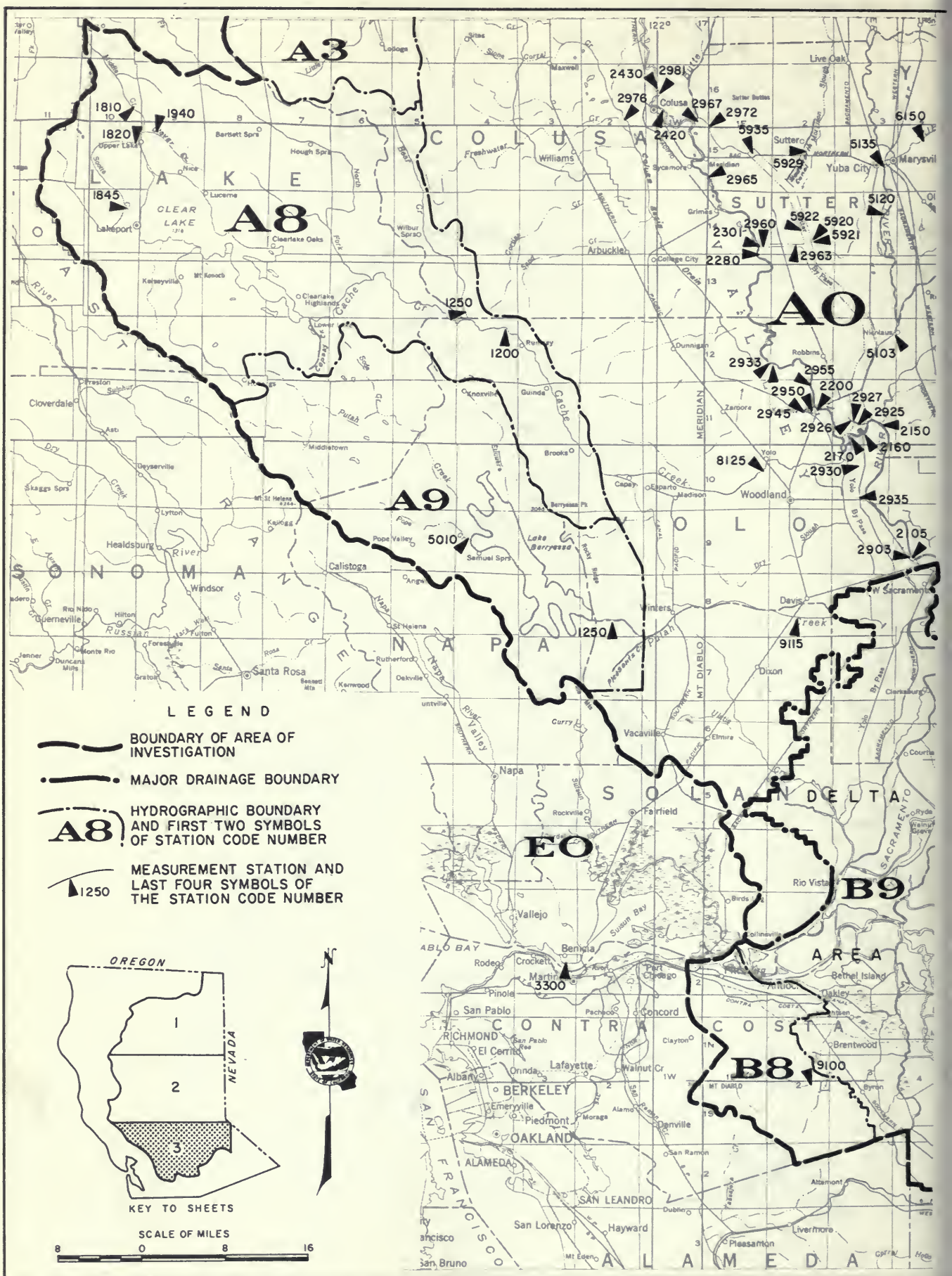
SURFACE WATER MEASUREMENT STATIONS 1970-71



SURFACE WATER MEASUREMENT STATIONS 1970-71

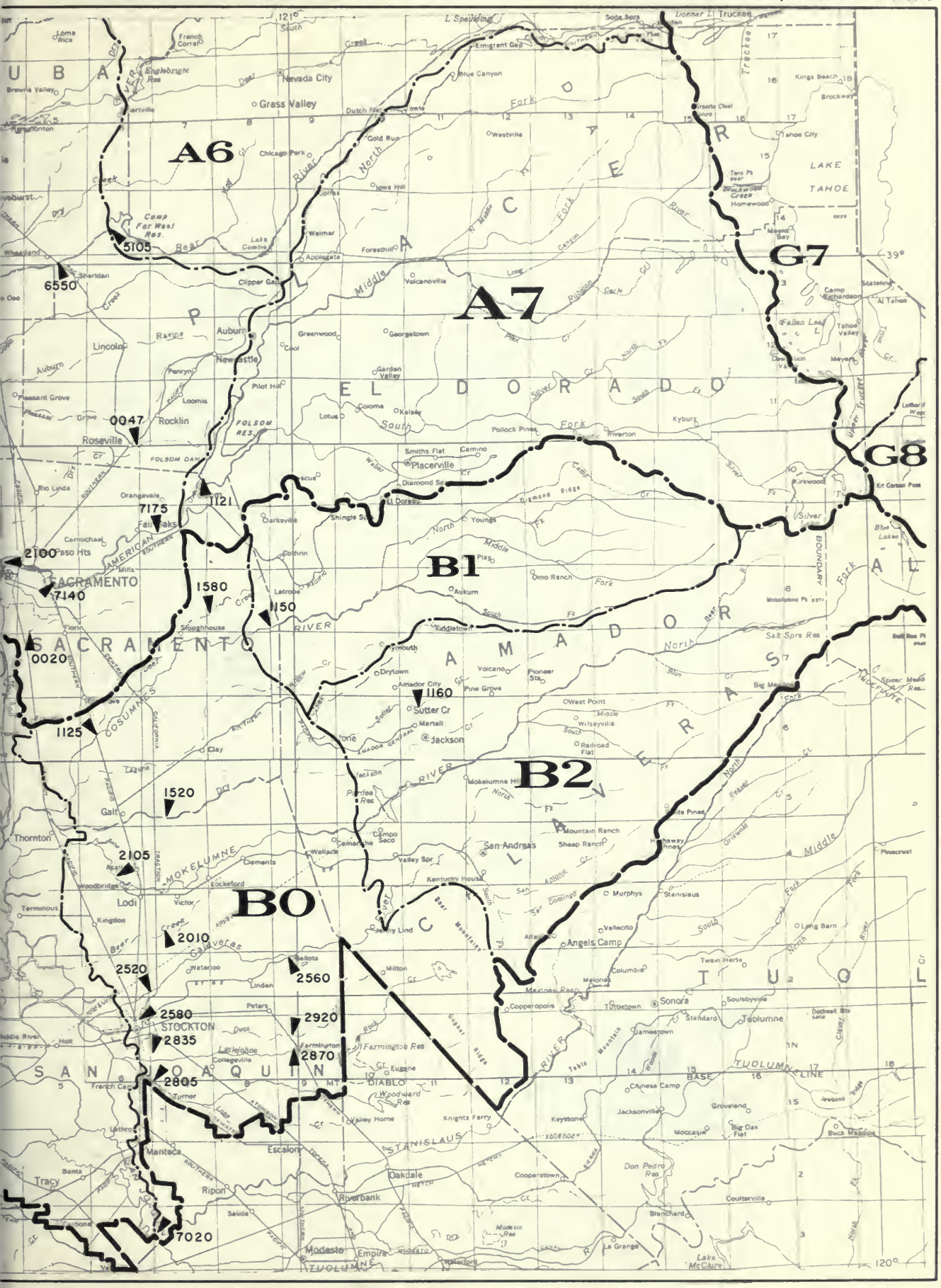


SURFACE WATER MEASUREMENT STATIONS 1970-71

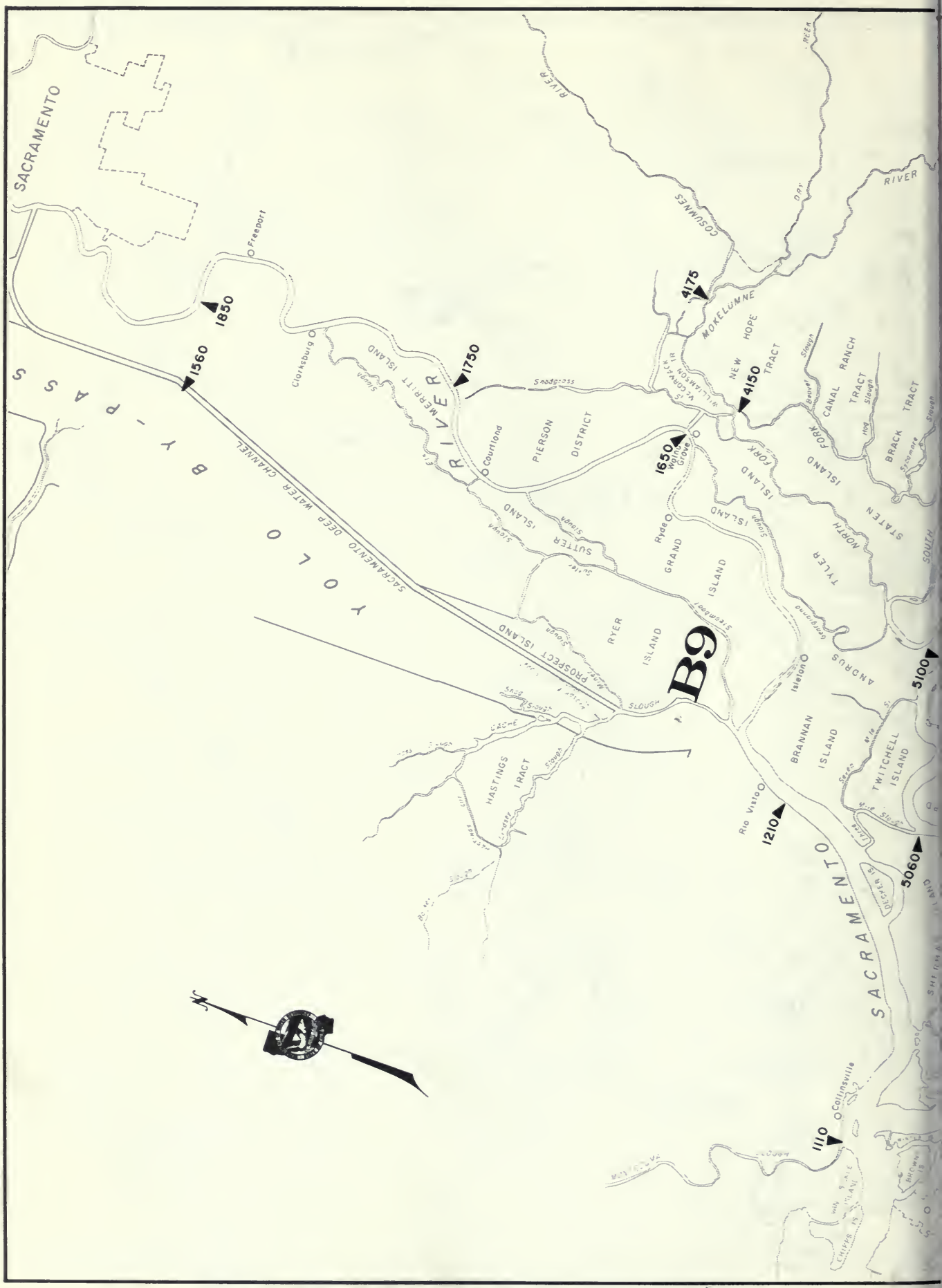


SURFACE WATER MEASUREMENT STATIONS 1970-71

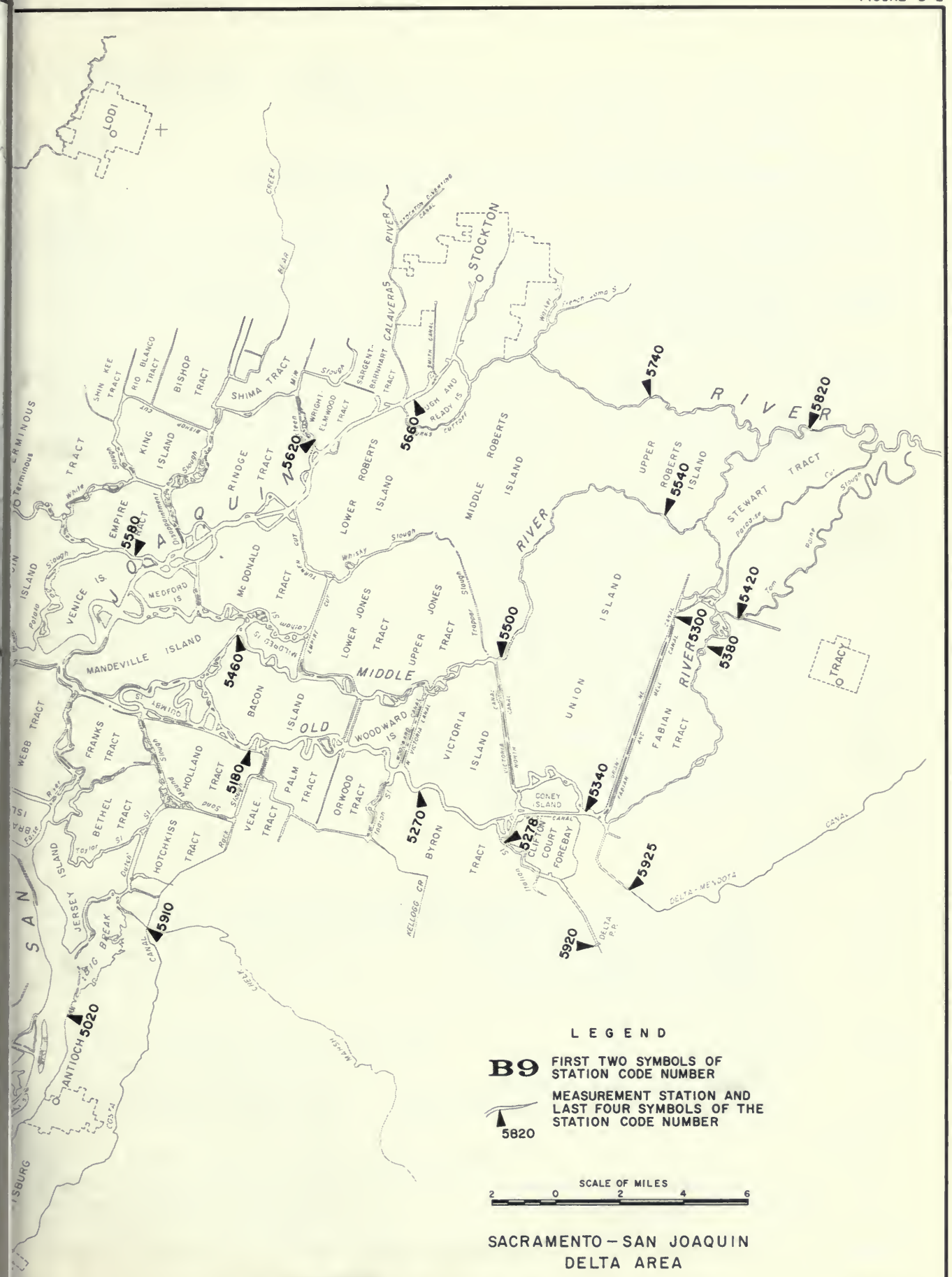
FIGURE B-1, sheet 3 of 3 sheets



SURFACE WATER MEASUREMENT STATIONS 1970-71



SURFACE WATER MEASUREMENT STATIONS 1970-71



SURFACE WATER MEASUREMENT STATIONS 1970-71

ALPHABETICAL INDEX TO TABLES

Page

CORRECTIONS AND REVISIONS TO PREVIOUSLY PUBLISHED REPORTS 213

DELIVERIES

From Folsom and Nimbus Reservoirs 130

DELTA, SACRAMENTO-SAN JOAQUIN

Summary of Monthly Water Supply and Utilization 35

DIVERSIONS

Feather River 125
Mokelumne River 127
Sacramento River 126
Yuba River 125

GAGING STATION ADDITIONS AND DISCONTINUATIONS 36

EXPORTATIONS FROM NORTHEASTERN CALIFORNIA

Deliveries from Mokelumne River 130
Deliveries from Putah Creek 130
Deliveries from Cache Slough 130
Deliveries from Old River 130
Deliveries from West Canal 130

IMPORTATIONS INTO NORTHEASTERN CALIFORNIA

Deliveries from Whiskeytown Lake via
Judge Francis Carr Powerplant 130

RESERVOIRS

Contents of

Antelope Lake near Boulder Creek Guard Station 206
Camp Far West Reservoir near Sheridan 208
Frenchman Lake near Chilcoot 204
Lake Davis near Portola 205
Lake Oroville near Oroville 207

Inflow to

Folsom Lake near Folsom 212
Shasta Lake near Redding 210
Whiskeytown Lake near Whiskeytown 211

RUNOFF

Annual in Percent of Average 32
Monthly in Percent of Average 33

STREAMFLOW MEASUREMENTS AT MISCELLANEOUS SITES 123

ALPHABETICAL INDEX TO SURFACE WATER MEASUREMENT STATIONS

	Streamflow and Station Description Page	Stage, Tide, Crests, and Station Description Page	Station Code Number
American River at Fair Oaks	-	163	A07175
American River at Sacramento	-	164	A07140
Ash Creek at Adin	40	-	A18350
Bear Creek near Lodi	106	-	B02010
Bear Creek near Rumsey	94	-	A81250
Bear River near Wheatland	-	159	A06550
Bidwell Creek near Fort Bidwell	117	-	G12200
Big Chico Creek at Chico	49	-	A04250
Burney Creek near Burney	41	-	A15150
Butte Creek near Durham	56	-	A04265
Butte Slough near Meridian	68	147	A02972
Butte Slough at Outfall Gates	59	-	A02967
Cache Creek above Rumsey	95	-	A81200
Cache Creek at Yolo	-	166	A08125
Calaveras River near Stockton	103	-	B02520
California Aqueduct at Delta Pumping Plant	115	-	B95920
Cedar Creek at Cedarville	118	-	G15150
Cherokee Canal near Richvale	58	141	A02984
Clover Creek Bypass near Upper Lake	93	-	A89140
Colusa Basin Drain at Highway 20	64	144	A02976
Colusa Basin Drain at Knights Landing	65	145	A02945
Colusa Weir Spill to Butte Basin	54	-	A02981
Contra Costa Canal near Oakley	114	-	B95910
Cosumnes River at McConnell	111	172	B01125
Cosumnes River at Michigan Bar	-	171	B11150
Cottonwood Creek, North Fork, near Igo	42	-	A03545
Cottonwood Creek, South Fork, near Cottonwood	43	-	A03595
Deer Creek near Sloughhouse	110	-	B01580
Delta-Mendota Canal near Tracy	113	-	B95925
Dry Creek near Galt	109	-	B01520
Dry Creek at Roseville	89	-	A00047
Duck Creek Diversion near Farmington	100	-	B02920
Eagle Creek at Eagleville	110	-	G17150
Eagle Lake near Susanville	-	173	G32100
Feather River near Gridley	85	155	A05165
Feather River, Middle Fork, near Merrimac	80	-	A55100
Feather River, Middle Fork, near Portola	75	-	A55420
Feather River at Nicolaus	-	160	A05103
Feather River at Oroville	83	154	A05191
Feather River below Shanghai Bend	87	158	A05120

ALPHABETICAL INDEX TO SURFACE WATER MEASUREMENT STATIONS (Continued)

	Streamflow and Station Description Page	Stage, Tide, Crests, and Station Description Page	Station Code Number
Feather River, South Fork, at Ponderosa Dam	81	-	A56080
Feather River at Yuba City	-	156	A05135
Feather River, West Branch, near Paradise	79	-	A52250
Fremont Weir Spill to Yolo Bypass	67	-	A02930
French Camp Slough near French Camp	102	-	B02805
Grantline Canal at Tracy Road Bridge	-	195	B95300
Grindstone Creek near Elk Creek	51	-	A31302
Indian Creek near Taylorsville	78	-	A54370
Italian Slough near Mouth	-	194	B95278
Lassen Creek near Willow Ranch	38	-	A13060
Last Chance Creek at Dixie Refuge Damsite	77	-	A54750
Lindo Channel near Chico	50	-	A00600
Little Chico Creek near Chico	57	-	A04280
Little Chico Creek Diversion near Chico	55	-	A04910
Littlejohn Creek at Farmington	101	-	B02870
Long Valley Creek near Hallelujah Junction	121	-	G61705
Marsh Creek near Byron	116	-	B89100
Middle Creek near Upper Lake	91	-	A81810
Middle River at Bacon Island	-	190	B95460
Middle River at Borden Highway	-	189	B95500
Middle River at Mowry Bridge	-	188	B95540
Mokelumne River at Woodbridge	107	170	B02105
Mokelumne River near Thornton	-	198	B94175
Mokelumne River, South Fork, at New Hope Bridge	-	199	B94150
Mormon Slough at Bellota	104	-	B02560
Morrison Creek near Sacramento	112	-	A00020
Moulton Weir Spill to Butte Basin	53	-	A02986
Mud Creek near Chico	47	-	A04242
Mud Creek Diversion at Chico	48	-	A00928
North Honcut Creek near Bangor	86	-	A05735
Old River near Byron	-	196	B95270
Old River at Clifton Court Ferry	-	193	B95340
Old River near Rock Slough	-	197	B95180
Old River at Tracy Road Bridge	-	191	B95380
Palermo Canal at Oroville Dam	82	-	A56911
Pine Creek near Alturas	39	-	A14100
Pine Creek near Susanville	120	-	G31140
Pope Creek near Pope Valley	96	-	A95010
Putah Creek near Winters	-	168	A91250

ALPHABETICAL INDEX TO SURFACE WATER MEASUREMENT STATIONS (Continued)

	Streamflow and Station Description Page	Stage, Tide, Crests, and Station Description Page	Station Code Number
Putah Creek, South Fork, near Davis	97	-	A09115
Reclamation District 70 Drainage to Sacramento River	60	-	A02965
Reclamation District 108 Drainage to Sacramento River	62	-	A02933
Reclamation District 787 Drainage to Colusa Basin Drain	66	-	A02950
Reclamation District 787 Drainage to Sacramento River	63	-	A02955
Reclamation District 1500 Drainage to Sacramento Slough	73	-	A02926
Reclamation District 1660 Drainage to Sutter Bypass	71	-	A05922
Reclamation District 1660 Drainage to Tisdale Bypass	72	-	A02963
Red Bank Creek near Red Bluff	44	-	A03460
Red Clover Creek above Abbey Bridge Damsite	76	-	A54455
Sacramento River above Bend Bridge near Red Bluff	-	132	A02788
Sacramento River at Butte City	-	136	A02500
Sacramento River at Collinsville	-	182	B91110
Sacramento River at Colusa	-	140	A02420
Sacramento River at Colusa Weir	-	139	A02430
Sacramento River near Freeport	-	177	B91850
Sacramento River at Fremont Weir, East End	-	153	A02160
Sacramento River at Fremont Weir, West End	-	152	A02170
Sacramento River at Hamilton City	46	134	A02630
Sacramento River at Keswick	-	131	A21010
Sacramento River at Knights Landing	-	146	A02200
Sacramento River at Moulton Weir	-	137	A02445
Sacramento River opposite Moulton Weir	-	138	A02450
Sacramento River at Ord Ferry	52	135	A02570
Sacramento River at Rio Vista	-	181	B91210
Sacramento River at Sacramento	90	162-176	A02100
Sacramento River at Sacramento Weir	-	175	A02105
Sacramento River at Snodgrass Slough	-	178	B91750
Sacramento River at Tisdale Weir	-	142	A02301
Sacramento River at Verona	-	161	A02150
Sacramento River at Vina Bridge	45	133	A02700
Sacramento River at Walnut Grove	-	179	B91650

ALPHABETICAL INDEX TO SURFACE WATER MEASUREMENT STATIONS (Continued)

	Streamflow and Station Description Page	Stage, Tide, Crests, and Station Description Page	Station Code Number
Sacramento River below Wilkins Slough	-	143	A02280
Sacramento Slough at Sacramento River	74	-	A02925
Sacramento Weir Spill to Yolo Bypass	88	-	A02903
San Joaquin River at Antioch	-	202	B95020
San Joaquin River at Brandt Bridge	-	184	B95740
San Joaquin River at Mossdale Bridge	-	183	B95820
San Joaquin River at Rindge Pump	-	186	B95620
San Joaquin River at San Andreas Landing	-	200	B95100
San Joaquin River at Venice Island	-	187	B95580
San Joaquin River near Vernalis	99	169	B07020
Scotts Creek at Eickhoff Road near Lakeport	92	-	A81845
Scotts Creek at Upper Lake	-	165	A81820
State Pumping Plant 2 Drainage to Sutter Bypass	70	-	A05921
Stockton Diverting Canal at Stockton	105	-	B02580
Stockton Ship Channel at Burns Cutoff	-	185	B95660
Suisun Bay at Benicia	-	203	E03300
Sutter Bypass at Long Bridge	-	148	A05935
Sutter Bypass at Reclamation District 1500 Pumping Plant	-	151	A02927
Sutter Bypass at State Pumping Plant 2	-	150	A05920
Sutter Creek near Sutter Creek	108	-	21160
Thermalito Afterbay Release to Feather River near Oroville	84	-	A05975
Three Mile Slough at San Joaquin River	-	201	B95060
Tisdale Weir Spill to Sutter Bypass	61	-	A02960
Tom Paine Slough above Mouth	-	192	B95420
Wadsworth Canal near Sutter	69	149	A05929
Yolo Bypass near Lisbon	-	180	B91560
Yolo Bypass near Woodland	98	167	A02935
Yuba River near Marysville	-	157	A06150

HYDROGRAPHIC AREA CODE NUMBER INDEX TO SURFACE WATER MEASUREMENT STATIONS

Station Code Number		Streamflow and Station Description Page	Daily Stage, Major Crests, Reservoirs, and Station Description Page
HYDROGRAPHIC AREA A			
Sacramento Valley Floor			
A00020	Morrison Creek near Sacramento	112	-
0047	Dry Creek at Roseville	89	-
0600	Lindo Channel near Chico	50	-
0928	Mud Creek Diversion at Chico	48	-
2100	Sacramento River at Sacramento	90	162,176
2105	Sacramento River at Sacramento Weir	-	175
2150	Sacramento River at Verona	-	161
2160	Sacramento River at Fremont Weir, East End	-	153
2170	Sacramento River at Fremont Weir, West End	-	152
2200	Sacramento River at Knights Landing	-	146
2280	Sacramento River below Wilkins Slough	-	143
2301	Sacramento River at Tisdale Weir	-	142
2420	Sacramento River at Colusa	-	140
2430	Sacramento River at Colusa Weir	-	139
2445	Sacramento River at Moulton Weir	-	137
2450	Sacramento River opposite Moulton Weir	-	138
2500	Sacramento River at Butte City	-	136
2570	Sacramento River at Ord Ferry	52	135
2630	Sacramento River at Hamilton City	46	134
2700	Sacramento River at Vina Bridge	45	133
2788	Sacramento River above Bend Bridge near Red Bluff	-	132
2903	Sacramento Weir Spill to Yolo Bypass	88	-
2925	Sacramento Slough at Sacramento River	74	-
2926	Reclamation District 1500 Drainage to Sacramento Slough	73	-
2927	Sutter Bypass at Reclamation District 1500 Pumping Plant	-	151
2930	Fremont Weir Spill to Yolo Bypass	67	-
2933	Reclamation District 108 Drainage to Sacramento River	62	-
2935	Yolo Bypass near Woodland	98	167
2945	Colusa Basin Drain at Knights Landing	65	145
2950	Reclamation District 787 Drainage to Colusa Basin Drain	66	-
2955	Reclamation District 787 Drainage to Sacramento River	63	-
2960	Tisdale Weir Spill to Sutter Bypass	61	-

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)			
Sacramento Valley Floor (Continued)			
A02963	Reclamation District 1660 Drainage to Tisdale Bypass	72	-
2965	Reclamation District 70 Drainage to Sacramento River	60	-
2967	Butte Slough at Outfall Gates	59	-
2972	Butte Slough near Meridian	68	147
2976	Colusa Basin Drain at Highway 20	64	144
2981	Colusa Weir Spill to Butte Basin	54	-
2984	Cherokee Canal near Richvale	58	141
2986	Moulton Weir Spill to Butte Basin	53	-
3460	Red Bank Creek near Red Bluff	44	-
3545	Cottonwood Creek, North Fork, near Igo	42	-
3595	Cottonwood Creek, South Fork, near Cottonwood	43	-
4242	Mud Creek near Chico	47	-
4250	Big Chico Creek at Chico	49	-
4265	Butte Creek near Durham	56	-
4280	Little Chico Creek near Chico	57	-
4910	Little Chico Creek Diversion near Chico	55	-
5103	Feather River at Nicolaus	-	160
5120	Feather River below Shanghai Bend	87	158
5135	Feather River at Yuba City	-	156
5165	Feather River near Gridley	85	155
5191	Feather River at Oroville	83	154
5735	North Honcut Creek near Bangor	86	-
5920	Sutter Bypass at State Pumping Plant No. 2	-	150
5921	State Pumping Plant No. 2 Drainage to Sutter Bypass	70	-
5922	Reclamation District 1660 Drainage to Sutter Bypass	71	-
5929	Wadsworth Canal near Sutter	69	149
5935	Sutter Bypass at Longbridge	-	148
5975	Thermalito Afterbay Release to Feather River near Oroville	84	-
6150	Yuba River near Marysville	-	157
6550	Bear River near Wheatland	-	159
7140	American River at Sacramento	-	164
7175	American River at Fair Oaks	-	163
8125	Cache Creek at Yolo	-	166
9115	Putah Creek, South Fork, near Davis	97	-

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	38	-
4100	Pine Creek near Alturas	39	-
5150	Burney Creek near Burney	41	-
8350	Ash Creek at Adin	40	-
Shasta Lake			
A21010	Sacramento River at Keswick	-	131
1051	Inflow to Shasta Lake	-	210
Sacramento Valley Westside			
A31302	Grindstone Creek near Elk Creek	51	-
6171	Inflow to Whiskeytown Lake	-	211
Feather River			
A51141	Lake Oroville near Oroville	-	207
2250	Feather River, West Branch, near Paradise	79	-
4370	Indian Creek near Taylorsville	78	-
4455	Red Clover Creek above Abbey Bridge Damsite	76	-
4473	Antelope Lake near Boulder Creek Guard Station	-	206
4750	Last Chance Creek at Dixie Refuge Damsite	77	-
5100	Feather River, Middle Fork, near Merrimac	80	-
5383	Lake Davis near Portola	-	205
5420	Feather River, Middle Fork, near Portola	75	-
5527	Frenchman Lake near Chilcoot	-	204
6080	Feather River, South Fork, at Ponderosa Dam	81	-
6911	Palermo Canal at Oroville Dam	82	-
Yuba-Bear Rivers			
A65105	Camp Far West Reservoir near Sheridan	-	208

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)			
American River			
A71121	Inflow to Folsom Lake	-	212
Cache Creek			
A81200	Cache Creek above Rumsey	95	-
1250	Bear Creek near Rumsey	94	-
1810	Middle Creek near Upper Lake	91	-
1820	Scotts Creek at Upper Lake	-	165
1845	Scotts Creek at Eickhoff Road near Lakeport	92	-
1940	Clover Creek Bypass near Upper Lake	93	-
Putah Creek			
A91250	Putah Creek near Winters	-	168
5010	Pope Creek near Pope Valley	96	0
HYDROGRAPHIC AREA B			
San Joaquin Valley Floor			
B01125	Cosumnes River at McConnell	111	172
1520	Dry Creek near Galt	109	-
1580	Deer Creek near Sloughhouse	110	-
2010	Bear Creek near Lodi	106	-
2105	Mokelumne River at Woodbridge	107	170
2520	Calaveras River near Stockton	103	-
2560	Mormon Slough at Bellota	104	-
2580	Stockton Diverting Canal at Stockton	105	-
2805	French Camp Slough near French Camp	102	-
2870	Littlejohn Creek at Farmington	101	-
2920	Duck Creek Diversion near Farmington	100	-
7020	San Joaquin River near Vernalis	99	169

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	-	171
	Mokelumne-Calaveras Rivers		
B21160	Sutter Creek near Sutter Creek	108	-
	San Joaquin Valley Westside		
B89100	Marsh Creek near Byron	116	-
	Sacramento-San Joaquin Delta		
B91110	Sacramento River at Collinsville	-	182
1210	Sacramento River at Rio Vista	-	181
1560	Yolo Bypass near Lisbon	-	180
1650	Sacramento River at Walnut Grove	-	179
1750	Sacramento River at Snodgrass Slough	-	178
1850	Sacramento River near Freeport	-	177
4150	Mokelumne River, South Fork, at New Hope Bridge	-	199
4175	Mokelumne River near Thornton	-	198
5020	San Joaquin River at Antioch	-	202
5060	Three Mile Slough at San Joaquin River	-	201
5100	San Joaquin River at San Andreas Landing	-	200
5180	Old River near Rock Slough	-	197
5270	Old River near Byron	-	196
5278	Italian Slough near Mouth	-	194
5300	Grantline Canal at Tracy Road Bridge	-	195
5340	Old River at Clifton Court Ferry	-	193
5380	Old River at Tracy Road Bridge	-	191
5420	Tom Paine Slough above Mouth	-	192
5460	Middle River at Bacon Island	-	190
5500	Middle River at Borden Highway	-	189
5540	Middle River at Mowry Bridge	-	188
5580	San Joaquin River at Venice Island	-	187
5620	San Joaquin River at Rindge Pump	-	186
5660	Stockton Ship Channel at Burns Cutoff	-	185
5740	San Joaquin River at Brandt Bridge	-	184

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)			
Sacramento-San Joaquin Delta (Continued)			
B95820	San Joaquin River at Mossdale Bridge	-	183
5910	Contra Costa Canal near Oakley	114	-
5920	California Aqueduct at Delta Pumping Plant	115	-
5925	Delta-Mendota Canal near Tracy	113	-
HYDROGRAPHIC AREA E			
San Francisco Bay			
E03300	Suisun Bay at Benicia	-	203
HYDROGRAPHIC AREA G			
Surprise Valley			
G12200	Bidwell Creek near Fort Bidwell	117	-
5150	Cedar Creek at Cedarville	118	-
7150	Eagle Creek at Eagleville	119	-
Eagle Lake			
G31140	Pine Creek near Susanville	120	-
2100	Eagle Lake near Susanville	-	173
Herlong			
G61705	Long Valley Creek near Hallelujah Junction	121	-

TABLES B-1 AND B-2

UNIMPAIRED RUNOFF

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

TABLE B-1

ANNUAL UNIMPAIRED RUNOFF

In Percent of Average

	Sacramento and San Joaquin Rivers to Delta (a)	Sacramento River near Red Bluff	Sacramento River at Sacramento (a)	Feather River near Oroville	Yuba River at Smartville	American River at Fair Oaks	Mokelumne River near Mokelumne Hill	San Joaquin River near Vernalis (a)
Average Annual Runoff (b)	23,229	7,950	17,072	4,286	2,266	2,570	704	5,453
1930-31	34	41	36	34	28	28	30	30
1931-32	88	64	77	78	93	101	106	121
1932-33	55	58	52	47	48	49	60	62
1933-34	48	57	51	47	44	44	42	42
1934-35	102	94	97	100	99	100	100	118
1935-36	107	89	102	100	114	132	127	119
1936-37	88	75	78	74	82	91	99	120
1937-38	191	185	186	201	178	175	176	206
1938-39	49	55	48	43	40	41	48	53
1939-40	129	132	131	132	126	132	122	121
1940-41	154	180	159	151	138	122	119	146
1941-42	145	142	148	155	150	152	140	136
1942-43	127	107	124	131	138	151	143	134
1943-44	64	59	61	67	62	57	63	72
1944-45	96	84	88	87	93	98	110	121
1945-46	103	101	103	98	106	111	106	105
1946-47	61	64	61	59	60	55	56	63
1947-48	89	96	92	90	89	87	90	77
1948-49	70	76	70	61	66	72	73	70
1949-50	85	72	85	90	98	104	107	84
1950-51	135	114	134	133	156	180	165	133
1951-52	169	145	168	186	182	194	188	171
1952-53	108	122	118	122	113	103	97	80
1953-54	90	117	102	99	85	78	75	79
1954-55	64	71	64	58	57	61	62	64
1955-56	176	167	175	186	175	181	177	178
1956-57	85	90	87	85	86	83	85	79
1957-58	168	190	174	163	156	159	151	153
1958-59	66	85	71	67	55	48	53	55
1959-60	71	81	76	75	75	65	59	54
1960-61	62	90	70	62	50	41	40	39
1961-62	92	94	89	85	85	80	91	103
1962-63	130	125	135	146	145	138	124	115
1963-64	62	66	64	60	65	63	61	58
1964-65	151	130	150	162	171	174	170	149
1965-66	75	92	76	67	63	54	65	73
1966-67	151	132	141	147	146	154	162	183
1967-68	73	87	80	81	69	66	58	54
1968-69	172	149	154	166	144	160	189	223
1969-70	131	148	140	142	129	123	126	102
1970-71 (c)	119	136	130	133	126	110	106	89

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

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

(c) Preliminary data subject to revision.

TABLE B-2

MONTHLY UNIMPAIRED RUNOFF

In Percent of Average

Month		Sacramento and San Joaquin Rivers to Delta (a)	Sacramento River near Red Bluff	Sacramento River at Sacramento (a)	Feather River near Oroville	Yuba River at Smartville	American River at Fair Oaks	Mokelumne River near Mokelumne Hill	San Joaquin River near Vernalis (a)
October 1970	Percent	96	118	98	92	0	32	27	80
	Average	508	292	459	107	34	25	4	5
November 1970	Percent	217	243	229	198	226	226	181	148
	Average	887	425	751	170	80	75	17	119
December 1970	Percent	166	204	172	143	170	98	128	131
	Average	1,907	837	1,615	378	201	199	39	253
January 1971	Percent	130	149	134	103	118	144	124	105
	Average	2,430	1,106	2,086	464	246	269	45	300
February 1971	Percent	66	60	64	68	75	65	87	70
	Average	2,867	1,275	2,411	541	287	309	56	400
March 1971	Percent	130	137	140	169	133	111	99	84
	Average	2,887	1,093	2,315	576	295	351	72	500
April 1971	Percent	97	110	105	115	92	88	84	73
	Average	3,555	1,006	2,565	720	382	456	127	883
May 1971	Percent	106	140	131	153	118	103	88	67
	Average	3,888	684	2,285	658	425	518	195	1,408
June 1971	Percent	147	154	172	196	119	150	149	118
	Average	2,451	437	1,261	331	218	276	121	1,069
July 1971	Percent	125	141	145	137	182	148	142	94
	Average	962	297	569	153	55	64	22	370
August 1971	Percent	113	124	120	94	203	108	80	85
	Average	487	251	394	103	23	16	4	89
September 1971	Percent	110	123	114	119	0	63	25	78
	Average	400	247	362	85	19	12	2	36
1970-71 Water Year	Percent	119	136	130	133	126	110	106	89
	Average	23,229	7,950	17,072	4,286	2,266	2,570	704	5,453

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 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 8-3

SUMMARY OF MONTHLY WATER SUPPLY AND UTILIZATION
SACRAMENTO-SAN JOAQUIN DELTA
(In Thousands of Acre-Feet)

Item	Record on Page No.	1970			1971									Water Year Total
		OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
WATER SUPPLY														
Measured Inflow														
Sacramento River at Sacramento	90	938	1,340	3,933	3,217	1,733	1,874	2,277	1,795	1,639	1,290	1,381	1,452	22,869
Sacramento Weir Spill to Yolo Bypass	88	0	0	3	1	0	0	0	0	0	0	0	0	4
Yolo Bypass near Woodland	98	1	12	665	393	30	50	37	34	10	0	0	2	1,234
South Fork Putah Creek near Davis	97	1	1	7	13	16	28	13	2	1	1	0	0	83
Morrison Creek near Sacramento	112	0	3	4	1	0	1	0	0	0	0	0	0	9
Coaumnes River at McConnell	111	0	20	91	46	26	59	54	40	15	2	0	0	353
Dry Creek near Galt	109	0	3	27	12	3	11	4	1	0	0	0	0	61
Mokelumne River at Woodbridge	107	26	23	60	46	46	30	16	12	19	22	3	30	333
Bear Creek near Lodi	106	0	2	7	1	0	1	0	0	0	0	0	0	11
Calaveras River near Stockton	103	0	0	1	1	0	1	0	1	1	1	1	1	8
Stockton Diverting Canal at Stockton	105	0	4	38	22	0	3	0	0	0	0	1	2	70
French Camp Slough near French Camp	102	3	5	24	5	1	3	3	2	3	2	2	6	59
San Joaquin River near Vernalis	99	90	98	310	320	244	159	117	113	138	66	55	65	1,775
Marsh Creek near Byron	116	0	0	2	1	0	0	0	0	0	0	0	0	3
Precipitation		31	309	228	47	20	87	39	57	0	0	0	2	820
TOTAL WATER SUPPLY		1,090	1,820	5,400	4,126	2,119	2,307	2,560	2,057	1,826	1,384	1,443	1,560	33,063
WATER UTILIZATION														
Consumptive Use in Delta Lowlands		97	58	32	36	53	79	118	137	182	214	203	146	1,355
Exportations														
Delta-Mendota Canal	113	126	28	0	1	128	234	198	222	264	281	269	165	1,916
Contra Costa Canal	114	7	5	4	4	4	4	5	6	8	10	11	8	76
City of Vallejo	130	1	1	1	1	1	1	1	1	2	2	2	1	15
California Aqueduct	130	26	88	113	112	42	51	60	45	68	102	123	51	881
Delta Uplands Diversions*		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		280	184	153	155	229	381	416	471	593	689	682	418	4,651

TABLE B-4

GAGING STATION ADDITIONS
AND DISCONTINUATIONS

Additional Stations

None

Discontinued Stations

Dry Creek near Ione	9-30-1970
Duck Creek near Stockton	11-12-1970
South San Joaquin Irrigation District Drain 11 near Manteca	11-5-1970
South San Joaquin Irrigation District Main Drain near French Camp	11-12-1970

Publication Discontinued

None

Published Data from Prior Years

None

TABLE B-5

DAILY MEAN DISCHARGE

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

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

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

Daily Flows - Second-Feet

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

Monthly Means - Second-Feet

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

Yearly Totals - Acre-Feet

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

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

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

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1971	A13060	LASSEN CREEK NEAR WILLOW RANCH

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.7	2.1	9.6	4.4	24	12	66	50	76	25	7.4	3.6	1
2	0.8*	2.1	8.9	4.8	23	10	66	56	73	24	6.7	3.6	2
3	1.0	2.1	7.7	8.6	20	12	67	61	68	22	6.7	3.6	3
4	1.0	2.1*	9.3	28	19	12	68	69	64	21	6.7	3.5	4
5	1.1	5.9	17	13 *	19	10	74	76	61	20	6.4	3.2	5
6	1.1	4.9	37	6.7	18	10	84 *	83	62	18	6.4	3.1	6
7	1.1	3.7	32	6.2	17	11	85	76	66	17	6.4	3.9	7
8	1.2	4.4	27 *	5.8	17	11	85	83	73	18	6.1	3.4	8
9	1.2	34	21	7.1	15 *	11	84	90	78	17	6.2	3.1	9
10	1.2	13	14	18	20	11	80	96	77	18	6.4	2.9	10
11	1.3	11	15	10	21	11	76	103	68	16	5.8	2.8	11
12	1.2	14	11	6.9	19	10	74	109	64	15	5.7	2.8	12
13	1.2	6.7	11	8.7	16	17	70	110	59	14	5.4	2.6	13
14	1.2	5.3	11	5.8	21	15	67	94	54	13	5.4	2.4	14
15	1.2	4.6	8.4	4.1	21	14	65	85	51	12	5.3	2.2	15
16	1.3	4.1	6.7	13	20	13	63	78	47	12	5.1	2.2	16
17	1.4	3.7	9.5	101	19	17	58	71	44	11	4.7*	2.1	17
18	1.7	3.4	9.1	207	18	17	57	65	41	11	4.2	2.1	18
19	1.7	3.1	13	119	17	16	56	60	39	11	4.1	2.1	19
20	1.8	3.3	29	92	16	16	54	57	35	9.9	3.9	2.2	20
21	2.0	3.1	22	65	17	28	52	54	32	9.7	3.9	2.2	21
22	2.3	4.9	16	53	15	43	50	50	29	9.0	4.0	2.2	22
23	2.7	11	9.0	46	15	156	47	47	27	8.3	4.0	2.1	23
24	2.6	20	6.6	41	15	121	45	47	24	8.2	3.8	2.1	24
25	2.0	21	18	36	14	98	42	47	31	7.7	3.7	2.2	25
26	1.9	16	25	33	15	143	39	51	48	7.7	3.5	3.7	26
27	1.8	11	16	31	14	94	37	56	37	7.7	3.5	4.4	27
28	2.2	11	8.5	29	13	79	38	52	31	7.7	3.4	4.0	28
29	2.3	15	6.3	27		78	41	83	28 *	7.7	3.4	5.1	29
30	2.2	11	5.0	25		78	45	78	26	7.4	3.4	5.5	30
31	2.2		4.5	24		70		83		7.4	3.7		31
MEAN	1.6	8.6	14.3	34.8	17.8	40.1	61.2	71.6	50.4	13.3	5.0	3.0	MEAN
MAX.	2.7	34.0	37.0	207	24.0	156	85.0	110	78.0	25.0	7.4	5.5	MAX.
MIN.	0.7	2.1	4.5	4.1	13.0	10.0	37.0	47.0	24.0	7.4	3.4	2.1	MIN.
AC. FT.	96	511	881	2142	988	2467	3640	4403	3001	820	308	180	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
26.8	232	5.19	01	18	0200	0.70	1.68	10	01	0745	19438

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
41 53 02	120 20 27	SE27 47N 14E	392	7.64	1/23/70	JUN 61-DATE	JUN 61-DATE	1961		0.00	LOCAL

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

ABLE B-5 (Cont.)

AILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1971	A14100	PINE CREEK NEAR ALTURAS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	10 *	11	15	12	17	13	16	32	205	77	34	23	1
2	9.9	11	16	12	17	13	16	33	246	70	31	23	2
3	9.8	11	16	12	16	13	16	44	118	65	30	23	3
4	9.8	11	17	12	17	13	17	97	91	63	29	22	4
5	9.8	14 *	70	12	17	13	17	55	87	60	28	22	5
6	9.9	13	94	12	16	14	18	47	85	57	28	24	6
7	10	12	37	12	15	14	18 *	46	84	55	27	24	7
8	10	12	33	12	15	13	18	56	86	53	27	22	8
9	10	19	28 *	12	15 *	13	18	63	90 *	51	27	22	9
10	10	16	17	12	15	13 *	19	58	106	49	26	22	10
11	10	15	17	12	15	13	19	61	107	48	27	22	11
12	10	21	12	12	15	25	18	66 *	108	47	26	22	12
13	10	13	18	12	15	32	18	70	108	46	26	22	13
14	10	13	16	12	15	26	20	70	106	44	25	22	14
15	10	12	13	12	15	21	21	76	107	43	25	22	15
16	10	12	13	12	15	23	21	75	108	42	25	22	16
17	10	12	13	23	15	23	23	70	108	41	25	21	17
18	11	11	13	47	15	19	30	71	108 *	47	25 *	22	18
19	11	11	13	26	14	29	32	70	103	46	24	22	19
20	11	11	13	21	16	45	27	66	97	45	23	22	20
21	11	12	13	17	16	31	41	60	93	41	23	22	21
22	12	13	14	18	15	22	35	56	93	39	23	22	22
23	12	20	14	16	15	36	27	60	93	38	23	22	23
24	12	25	14	15	14	30	37	62	89	38	23	22	24
25	11	25	14	15	14	22	41	65	92	36	23	22	25
26	11	25	15	15	13	53	31	65	122	36	23	25	26
27	9.6	17	15	15	13	30	26	72	109	35	23	24	27
28	12	15	15	16	13	23	27	96	128	34	23	23	28
29	11	15	15	17		18	28	167	104	33	22	24	29
30	11	15	15	17		18	31	161	87 *	32	22	24	30
31	11		13	17		17		163		34	22		31
MEAN	10.5	14.8	20.7	15.7	15.1	22.2	24.2	72.7	108	46.6	25.4	22.5	MEAN
MAX.	12.0	25.0	94.0	47.0	17.0	53.0	41.0	167	246	77.0	34.0	25.0	MAX.
MIN.	9.6	11.0	12.0	12.0	13.0	13.0	16.0	32.0	84.0	32.0	22.0	21.0	MIN.
AC. FT.	646	879	1271	966	839	1365	1440	4469	6482	2866	1563	1341	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
33.3	435	3.37	06	02	1600	4.8	0.77	10	27	0500	24127

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 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
1971	A18350	ASH CREEK AT ADIN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	21	31	71	69	179	65	417	239	356	59	23	28	1
2	21 *	34	77	56	169	61	375	247	369	46	23	28	2
3	22	28	83	40	134	71	346	353	355	34	22	23	3
4	21	28	94	37	131	84	329	599	249	34	24	20	4
5	21	41 *	178	38	134	82	323	375	181	35	33	20	5
6	21	52	502	42 *	143	79	327	334	148	36	24	25	6
7	21	50	551	49	121	85	331 *	316	131	34	24	24	7
8	22	40	462	51	115	86	306	363	119	33	24	19	8
9	23	154	336 *	56	112	92	297	370	112 *	32	25	18	9
10	23	102	150	64	131 *	93	334	302	118	30	24	16	10
11	22	103	131	68	139	107 *	295	273	96	29	24	16	11
12	22	230	99	69	143	345	261	257 *	89	28	24	17	12
13	22	63	85	66	145	537	245	227	81	28	23	18	13
14	22	45	80	64	137	349	235	198	77	27	21	18	14
15	22	39	76	62	153	295	216	181	71	27	17	21	15
16	22	36	77	102	128	339	200	167	64	26	21	23	16
17	27	34	78	503	128	304	285	153	60	26	21	23	17
18	31	34	70	1,810	116	228	300	147	53 *	31	21 *	24	18
19	30	33	56	1,320	113	265	265	130	51	31	21	25	19
20	34	33	64	978	104	317	257	113	49	29	18	26 *	20
21	35	33	71	526	102	383	305	113	45	28	19	26	21
22	39	44	65	355	107	370	281	107	44	26	21	27	22
23	37	64	62	293	105	876	238	97	39	26	22	27	23
24	36	108	53	217	101	939	208	90	39	25	22	27	24
25	30	449	44	189	85	962	241	90	42	24	21	33	25
26	32	168	40	186	74	1,620	338	89	87	23	21	37	26
27	32	86	61	185	77	1,220 *	315	97	91	23	23	34 *	27
28	34	71	60	173	72	824	281	109	131	23	24	32	28
29	36	83	57	166		645	262	113	87	27	24	39	29
30	31	84	58	173		576	256	122	66 *	24	25	49	30
31	35		64	173		483		163		23	27		31
MEAN	27.3	80.0	127	263	121	412	289	210	116	29.9	22.8	25.4	MEAN
MAX.	39.0	449	551	1,810	179	1,620	417	599	369	59.0	33.0	49.0	MAX.
MIN.	21.0	28.0	40.0	37.0	72.0	61.0	200	89.0	39.0	23.0	17.0	16.0	MIN.
AC. FT.	1680	4760	7845	16225	6740	25353	17195	12960	6942	1839	1400	1513	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
144.3	2280	13.30	03	26	0615	12.0	4.74	08	14	2000	104452

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 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 δ SEP 57-DATE	MAR 37-SEP 57 δ 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.

δ - Irrigation season only.

ABLE B-5 (Cont.)

AILY MEAN DISCHARGE
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1971	A15150	BURNEY CREEK NEAR BURNEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	12	15	106	61	92	58	253	211	198	73	23	18	1
2	13 *	15	144	51	91	53	249	214	160	64	23	16	2
3	14	15	136	44	88	55	247	318	138	59	21	17	3
4	15	22	128	42	84	55	248	366	133	55	20	18	4
5	17	124	113	37	81	49	257	306	132	52	21	18	5
6	16	70	126	37	80	46	283 *	265	123	50	20	19	6
7	18	55	215	38 *	78	45	281	260	119	48	18	20	7
8	19	39	327	37	75	45	269	274	117	47	18	21	8
9	18	175	301	37	72	46	283	252	110	45	18	18	9
10	19	96	179 *	80	70	46	374	240	103 *	44	19	18	10
11	21	73	129	88	76 *	61	288	240	98	44	19	20	11
12	22	103	102	59	86	307 *	255	253	93	43	17	21	12
13	20	56 *	87	56	97	288	262	260	91	42	17	19	13
14	15	38	75	50	99	207	258	232	85	39	16	17	14
15	19	29	86	102	117	154	269	207	78	36	16	17	15
16	17	23	118	217	117	133	276	189	75	33	17	18	16
17	16	18	91	282	104	128	294	165	72	32	18	18	17
18	23	17	78	361	94	110	234	147	75	33	17 *	18	18
19	27	18	65	351	95	106	216	137	71	33	17	18	19
20	51	17	62	335	81	105	234	137	68	32	18	17 *	20
21	60	17	62	276	76	109	205	134	67	31	18	17	21
22	86	25	60	207	74	123	182	131	61	29	19	17	22
23	72	25	57	176	70	362	171	134	58	27	20	16	23
24	52	48	51	155	67	466	162	137	51	27	20	16	24
25	26	204	42	140	63	443	157	142	53	27	20	18	25
26	19	144	46	130	59	911 *	164	213	106	26	19	25	26
27	16	137	45	121	61	586	172	189	201	25	20	27	27
28	15	170	52	113	60	412	179	219	147	25	19	27	28
29	15	133	84	106		337	196	167	97	23	19	47	29
30	14	128	68	101		328	211	196	80 *	21	19	57	30
31	14		62	97		273		192		22	20		31
MEAN	25.2	68.3	106	128	82.4	208	237	210	102	38.3	18.9	21.1	MEAN
MAX.	86.0	204	327	361	117	911	374	366	201	73.0	23.0	57.0	MAX.
MIN.	12.0	15.0	42.0	37.0	59.0	45.0	157	131	51.0	21.0	16.0	16.0	MIN.
AC. FT.	1549	4064	6540	7908	4576	12787	14140	12946	6069	2354	1162	1256	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
104.1	1190	11.09	03	26	0300	12.0	6.13	10	01	0000	75352

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

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

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1971	A03545	COTTONWOOD CREEK, NORTH FORK, NEAR IGO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3.3	15	473	330	452	122	359	137	81	19	8.0	7.3	1
2	3.3*	15	371	281	442	105	369	137	73	18	7.9	8.2	2
3	3.0	36	1,580 *	228	432	105	359	148	67	17	7.9	10	3
4	2.8	100	987	194	401	101	349	142	67	16	7.3	9.7	4
5	2.5	48	565 *	180	381	97	350	141	64	15	7.8	10	5
6	2.5	56	514	169	371	92	350	131	62	14	8.0	10	6
7	2.5	248	1,060	158	340	92	340	118	62 *	14	8.0	11	7
8	2.5	84	401	158	314	88	322	126	59	14	7.6	14	8
9	2.5	126	330	158	297	88	350	113	59	14	7.4	14	9
10	2.2	122	297	175	289	92	371	105	56	14	7.5	13	10
11	2.2	122	241	187	305	118	314	101	54	13	6.8	13	11
12	2.2	126 *	200	175	330	636	299	101	52	12	6.1	13	12
13	2.5	113	169	175	330	330	281	97	45	12	7.2	12	13
14	2.8	105	148	175	322	350	241	92	43	16	6.9	13	14
15	2.6	97	524	877	314	297	234	88	36	14	6.4	12	15
16	2.5	88	483	2,270	289	281	228	86	35	13	6.0	13	16
17	2.8	81	350	1,430	264	256	221	81	33	13	5.8	12	17
18	5.5	64	473	1,160	248	221	218	78	30	16	5.4	12	18
19	14	56	314	1,080	234	200	214	78 *	29	18	4.9	12	19
20	14	50	412	978	214	187	214	76	26	17	4.9	12	20
21	39	39	493	840	200	180	200	73	25	15	5.3	6.8	21
22	52	45	297	779	194 *	180	194	70	23	15 *	5.6	5.9	22
23	34	52	248	718	169	187	187	70	22	13	5.4	5.4	23
24	30	73	228	626	164	234	180	67	21	12	5.2	4.1	24
25	25	148	200	554	153	1,370	175	67	20 *	12	5.3*	4.1	25
26	22	92	180	493	148	1,630	164	73	33	11	5.2	4.6	26
27	19	371	169	483	142	773	153	78	29	10	5.2	4.2	27
28	16	1,460	809	452	137	630	148	109	24	9.0	5.1	4.3	28
29	16	779	677	452		557	139	88	22	8.9	5.2	6.9	29
30	17	858	452	452		455	137	81	20	8.5	5.6	12	30
31	16		371	463		384 *		76		8.1	7.7*		31
MEAN	11.7	189	452	543	281	336	255	97.7	42.4	13.6	6.4	9.7	MEAN
MAX.	52.0	1,460	1,580	2,270	452	1,630	371	148	81.0	19.0	8.0	14.0	MAX.
MIN.	2.2	15.0	148	158	137	88.0	137	67.0	20.0	8.1	4.9	4.1	MIN.
AC. FT.	722	11244	27800	33421	15622	20703	15193	6006	2523	836	394	574	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
186.5	3960	35.11	01	16	1500	2.2	29.55	10	10	0415	135040

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

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

ABLE B-5 (Cont.)

AILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1971	A03595	COTTONWOOD CREEK, SOUTH FORK, NEAR COTTONWOOD

AY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.7	234	223	693	142	449	186	156	56	7.7	0.0	1
2	0.0	0.7	380	265	657	136	379	195	142	51	7.1	0.9	2
3	0.0	0.8	1,880	198	554	134	336	199	129	49	6.2	2.1	3
4	0.0	3.7	3,680	174	464	134	311	199	124	46	5.6	2.1	4
5	0.0	55	912 *	167 *	401	129	306	207	120	42	5.3	1.9	5
6	0.0*	97	652	150	368	124	324	207	121	40	5.1	1.7	6
7	0.0	44	1,400	140	332	122	348	209	128 *	40	4.8	1.3	7
8	0.0	31	2,950	138	301	121	326	256	139	38	4.6	1.1	8
9	0.0	25	1,560	175	275	118	315	269	138	36	4.3	1.1	9
10	0.0	225	728	351	263	117	428	261	133	34	4.0	0.9	10
11	0.0	85	437	666	332	121	355	274	126	33	3.4	0.6	11
12	0.0	108 *	325	526	404	1,210	317	314	121	32	3.1	0.5	12
13	0.0	96	267	398	487	1,230	302	326	118	29	2.9	0.3	13
14	0.0	47	204	308	454	504	337	292	111	27 *	2.6	0.3	14
15	0.0	31	258	819	415	370	319 *	266	107	25	2.4	0.1	15
16	0.0	21	1,510	5,460	369	307	300	253	104	24	2.3	0.1	16
17	0.0	16	776	6,510	317	325	295	218	104	21	1.9	0.1	17
18	0.0	12	810	6,100	272	299	268	199	102	21	1.7	0.0	18
19	0.0	12	512	4,620	247	279	243	187 *	99	20	1.2	0.0	19
20	0.0	9.0	665	3,400	221	275	230	179	96	19	1.0	0.0	20
21	0.0	8.2	617	2,580	201	278	213	172	90	23	0.9	0.0	21
22	0.0	8.2	342	1,910	188 *	275	193	165	81 *	26	0.8	0.0	22
23	0.0	11	260	1,400	176	1,020	190	160	79	20	0.6	0.0	23
24	0.2	17	222	1,040	166	1,430	178	163	75	17	0.6	0.0	24
25	3.3	251	187	813	162	1,330	169	183	74	14	0.8*	0.0	25
26	2.2	434	167	668	154	5,990	164	188	88	13	1.0	0.0	26
27	1.4	407	156	610	150	3,200	160	177	77	12	0.7	0.0	27
28	1.1	2,090	156	601	148	2,040	162	210	74	11	0.5	0.0	28
29	0.9	2,590	377	583		1,290	168	190	67	9.5	0.3	0.0	29
30	0.8	695	285	598		835	174	186	62	9.3	0.2	0.0	30
31	0.7		234	664		582 *		170		8.3	0.0*		31
EAN	0.3	247	746	1,363	327	789	275	214	106	27.3	2.7	0.5	MEAN
AX.	3.3	2,590	3,680	6,510	693	5,990	449	326	156	56.0	7.7	2.1	MAX.
IN.	0.0	0.7	156	138	148	117	160	160	62.0	8.3	0.0	0.0	MIN.
C. FT.	21	14740	45903	83812	18190	48530	16381	13210	6317	1678	166	30	AC. FT.

— ESTIMATED
R — 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
343.9	8070	8.42	03	26	0730	0.0	0.98	10	01	1245	248978

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

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

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1971	A03460	RED BANK CREEK NEAR RED BLUFF

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	108	55	32	11 *	46	7.5	2.4	0.0	0.0	0.0	1
2	0.0	0.0	107	60	29	10	42	8.0	2.3	0.0	0.0	0.0	2
3	0.0	0.0	1,000	46	26	11	38	8.3	2.1	0.0	0.0	0.0	3
4	0.0	0.0	829 *	41	26	11	35	8.3	1.9	0.0	0.0	0.0	4
5	0.0	0.0	247	38	25	10	32	7.7	1.8	0.0	0.0	0.0	5
6	0.0	0.0	164	35	24	8.9	31	7.1	1.6	0.0	0.0	0.0	6
7	0.0	0.0	170	32 *	23	8.3	31	6.7	1.4*	0.0	0.0	0.0	7
8	0.0	0.0	266	31	22	8.3	35	9.2	1.4	0.0	0.0	0.0	8
9	0.0	0.0	170	30	21	8.3	28	8.1	1.3	0.0	0.0	0.0	9
10	0.0	0.0	125	30	21	8.3	26	6.7	1.3	0.0	0.0	0.0	10
11	0.0	0.0	100	29	20	8.7*	23	6.1	1.3	0.0	0.0	0.0	11
12	0.0	0.0	83	28	20	110	21	5.7	1.2	0.0	0.0	0.0	12
13	0.0	0.0	78	27	20	48	19	5.2	1.2	0.0	0.0	0.0	13
14	0.0	0.0	71	26	20	32	18	4.8	1.2	0.0	0.0	0.0	14
15	0.0	0.0	120	254	19	29	16	4.7	1.1	0.0	0.0	0.0	15
16	0.0	0.0	153	959	19	22	14	4.1	0.9	0.0	0.0	0.0	16
17	0.0	0.0	105	393	18	18	13	3.9	0.8	0.0	0.0	0.0	17
18	0.0	0.0	216	207	17	14	12	3.8	0.6	0.0	0.0	0.0	18
19	0.0	0.0	125	146	16	13	11	3.8*	0.4	0.0	0.0	0.0	19
20	0.0	0.0	171	104	15	12	12	3.4	0.1	0.0	0.0	0.0	20
21	0.0	0.0	160	79	15	10	11	3.3	0.0	0.0	0.0	0.0	21
22	0.0	0.0	106	68	15	9.8	10	3.2	0.0	0.0	0.0	0.0	22
23	0.0	0.0	86	61	14	13	9.9	3.1	0.0	0.0	0.0	0.0	23
24	0.0	0.0	74	55	14	14	9.1	2.9	0.0	0.0	0.0	0.0	24
25	0.0	0.0	65	49	12	224	8.5	2.9	0.0	0.0	0.0	0.0	25
26	0.0	0.0	59	45	12	467	8.3	2.8	0.0	0.0	0.0	0.0	26
27	0.0	58	53	42	12	137	8.3	2.9	0.0	0.0	0.0	0.0	27
28	0.0	472	60	38	12	87	8.0	3.2	0.0	0.0	0.0	0.0	28
29	0.0	738	105	36		69	7.8	3.1	0.0	0.0	0.0	0.0	29
30	0.0	219 *	67	34		59	7.6	2.7	0.0	0.0	0.0	0.0	30
31	0.0		57	33		51		2.5		0.0	0.0		31
MEAN	0.0	49.6	171	100	19.3	49.8	19.7	5.0	0.9	0.0	0.0	0.0	MEAN
MAX.	0.0	738	1,000	959	32.0	467	46.0	9.2	2.4	0.0	0.0	0.0	MAX
MIN.	0.0	0.0	53.0	26.0	12.0	8.3	7.6	2.5	0.0	0.0	0.0	0.0	MIN.
AC. FT.		2949	10512	6171	1069	3060	1173	309	52				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
34.9	2610	7.66	12	04	0015	0.0	3.03	10	01	0000	25295

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 05 25	122 24 45	SE22 26N 5W	9729	10.06	1/5/65	FEB 48-JUL 49 8 MAY 50-MAY 56 NOV 56-DATE	FEB 48-JUL 49 8 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.

8 - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1971	A02700	SACRAMENTO RIVER AT VINA BRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	7,880	7,400	39,000	20,700	24,400	9,610	18,800	15,300	17,300	14,100	13,900	13,200	1
2	7,820	7,460	41,700	21,400	24,300	9,330	20,300	15,400	17,000	13,900	14,300	12,700	2
3	7,630	7,350	43,500	19,700	24,000	9,240	21,700	15,500	16,200	13,800	14,000	11,800	3
4	7,580	7,590	91,800	18,800	23,600	9,240	21,200	16,200	15,900	13,700	13,600	10,800	4
5	7,600	8,350	66,100 *	18,500	22,700	9,200	21,000	17,300	15,800	13,600	13,900	10,800	5
6	7,600	10,100	53,500	18,400	21,000	9,120	21,900	18,200	15,600	13,500	13,500	10,800	6
7	7,610 *	12,400	50,900	17,700	19,500	9,120	21,600	18,800	15,400	13,400	13,300	10,700	7
8	7,600	9,140	67,000	17,400	19,200	8,910	19,700	20,100	15,300 *	13,400	13,200	10,700	8
9	7,670	12,100	71,400	16,900	19,000	8,890	18,800	20,800	15,700	13,300	13,100	10,700	9
10	7,610	19,500 *	53,800	15,300	19,000 *	8,390	19,900	20,900	15,700	13,400	13,100 *	10,800	10
11	7,610	10,100	44,600	18,900	18,700	8,130	20,600	20,600 *	15,500	13,400	13,000	10,700	11
12	7,600	10,700	38,200	17,900	17,600	12,600	21,200	20,800	15,500	13,300	13,100	10,700	12
13	7,520	9,280	32,200	15,900	17,100	27,100	21,600 *	21,000	15,400	13,300 *	13,000	10,700	13
14	7,440	8,970	28,400	15,500	15,800	14,100	21,700	21,400	15,300	13,200	13,100	10,600	14
15	7,380	9,000	27,000	15,900	15,300	13,400	21,500	21,500	15,100	13,200	13,000	10,600	15
16	7,170	9,990	34,000	66,100	15,100	12,000	20,600	21,000	15,200	13,200	13,000	10,600	16
17	7,170	13,100	37,500	87,400	14,800	11,600	19,000	20,700	15,100	13,100	13,000	10,500	17
18	7,230	14,000	33,700	55,100	14,100	10,900	18,800	20,500	15,100	13,100	13,100	10,500	18
19	7,290	14,800	31,400	51,400	12,700	10,300	18,400	20,000	14,900	13,100	13,000	10,600	19
20	7,580	14,900	26,900	45,300	11,800	9,970	18,600	19,400	14,800	13,000	13,000	10,600	20
21	7,840	14,900	38,700 *	40,600	11,400	9,850	18,300	19,600	14,800	12,900	13,100	10,600	21
22	7,850	15,000	29,000	37,600	11,200	9,760	17,300	17,900	14,800	12,900	13,100	10,600	22
23	7,930	15,100	24,000	35,700	10,400	11,500	16,900	16,900	14,900	12,900	13,400	10,600 *	23
24	8,230	15,400	22,600	34,300	10,400	18,500	16,300	17,000	14,800	13,000	13,100	10,600	24
25	7,870	20,700	20,500	33,300 *	10,600	18,300	15,500	17,100	14,600	13,000	13,100	10,700	25
26	7,620	21,900	19,700	32,500	10,200	58,000	15,400	17,200	14,900	12,900	12,900	10,700	26
27	7,550	18,400	19,500	31,300	10,100	38,600	15,300	17,500	15,900	12,900	12,800	10,700	27
28	7,530	64,800	19,400	25,500	10,100	24,000	15,100	18,000	15,200	13,000	12,900	10,800	28
29	7,480	82,000	28,200	24,600		19,400	14,800	17,800	14,700	13,400	13,100	10,700	29
30	7,510	48,300	24,900	24,400		18,400	15,300	17,200	14,500	13,500	13,000	10,900	30
31	7,450		22,000	24,400		19,900		17,100		14,000	13,100		31
MEAN	7,595	17,757	38,100	29,625	16,217	15,076	18,903	18,667	15,363	13,303	13,219	10,866	MEAN
MAX.	8,230	82,000	91,800	87,400	24,400	58,000	21,900	21,500	17,300	14,100	14,300	13,200	MAX.
MIN.	7,170	7,350	19,400	15,300	10,100	8,130	14,800	15,300	14,500	12,900	12,800	10,500	MIN.
AC. FT.	467008	1056654	2342676	1821619	900694	926995	1124826	1147834	914181	817983	812826	646611	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
17928.9	109000	86.03	12	04	1730	6480.0	66.63	10	16	1315	12979907

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 54 34	122 05 31	NE28 24N 2W	171000	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
1971	A02630	SACRAMENTO RIVER AT HAMILTON CITY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	7,370	6,960	36,100	21,300	25,500	9,490	18,200	12,600	15,900	12,200	11,500	11,800	1
2	7,380	7,010	36,300	21,800	25,400	9,380	18,800	12,600	16,100	11,800	12,000	11,600	2
3	7,170	6,950	38,600	20,400	25,000	9,280	20,700	12,900	15,200	11,800	11,800	10,800	3
4	7,140	7,110	75,300	19,400	24,500	9,170	20,200	13,500	15,000	11,700	11,300	9,760	4
5	7,210	7,610	73,000	19,000	23,700	9,060	19,800	14,700	14,800	11,500	11,600	9,640	5
6	7,280	9,240	50,700	18,900	22,000	8,960	20,000	15,900	14,700	11,400	11,200	9,690	6
7	7,230 *	11,400	46,500	18,200	20,300	8,960	20,000	16,400	14,300	11,300	10,900	9,550	7
8	7,280	9,260	59,000	17,900	19,800	8,850	18,600	17,600	14,200 *	11,200	11,000	9,610	8
9	7,290	9,570	68,600	17,400	19,400	8,790	17,100	18,400	14,500	11,200	10,900	9,630	9
10	7,260	20,300 *	51,900	15,800	19,300 *	8,430	17,600	18,900	14,400	11,200	10,900 *	9,750	10
11	7,260	10,300	43,100	18,700	18,700	8,110	18,300	18,500 *	14,300	11,100	10,800	9,840	11
12	7,260	10,400	37,000	18,400	17,800	9,530	18,900	18,700	14,200	11,100	10,800	9,790	12
13	7,190	9,330	31,700	16,600	16,900	27,300	18,800 *	18,800	14,100	11,000 *	10,800	9,830	13
14	7,060	8,700	27,900	15,900	15,800	14,900	18,800	19,200	13,900	11,000	10,900	9,930	14
15	7,060	8,520	26,500	15,900	15,400	13,300	18,400	19,400	13,700	10,900	10,900	9,890	15
16	6,850	9,250	31,900	51,900	15,100	12,000	17,900	19,000	13,800	11,000	10,800	9,950	16
17	6,750	12,200	35,300	94,900	14,800	11,400	16,000	18,700	13,600	10,900	10,800	9,990	17
18	6,830	13,300	32,800	59,000	13,800	10,800	15,700	18,300	13,500	10,900	11,000	9,930	18
19	6,870	14,200	31,500	52,300	12,000	10,100	15,300	17,800	13,300	10,800	11,000	10,000	19
20	7,100	14,400	27,400	46,700	11,300	9,650	15,600	17,400	13,100	10,700	11,000	10,100	20
21	7,340	14,400	37,100	42,000	11,100	9,390	15,500	17,400	13,100	10,600	11,100	10,200	21
22	7,400	14,400	30,800 *	38,800	9,810	9,220	14,500	16,100	13,100	10,600	11,100	10,300	22
23	7,480	14,600	24,800	36,900	10,800	10,100	14,100	14,800	13,000	10,500	11,400	10,300 *	23
24	7,690	14,700	23,100	35,600	10,100	16,900	13,600	14,800	13,000	10,600	11,300	10,300	24
25	7,550	18,900	21,300	34,600	9,970	16,300	12,800	15,000	12,800	10,600	11,200	10,400	25
26	7,260	21,300	20,200	33,800	9,920	49,000	12,700	15,000	12,700	10,600	11,200	10,400	26
27	7,170	18,000	20,100	32,700	9,710	41,700	12,600	15,500	13,800	10,500	11,200	10,500	27
28	7,150	49,600	19,900	27,900 *	9,600	24,300	12,400	16,100	13,500	10,600	11,300	10,500	28
29	7,100	80,700	26,400	26,100		19,400	11,900	16,200	12,700	11,000	11,600	10,500	29
30	7,070	53,000	25,900	25,800		17,500	12,500	15,700	12,500	11,100	11,700	10,600	30
31	7,060		22,600	25,600		19,300		15,600		11,600	11,800		31
MEAN	7,197	16,853	36,558	30,329	16,339	14,534	16,576	16,500	13,893	11,064	11,187	10,169	MEAN
MAX.	7,690	80,700	75,300	94,900	25,500	49,000	20,700	19,400	16,100	12,200	12,000	11,800	MAX
MIN.	6,750	6,950	19,900	15,800	9,600	8,110	11,900	12,600	12,500	10,500	10,800	9,550	MIN.
AC. FT.	442532	1002862	2247867	1864858	907457	893692	986380	1014545	826710	680330	687867	605117	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
16796.7	103000	45.05	01	17	1300	6460.0	28.12	10	16	1730	12160218

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

Station located at Gianella Bridge, State Highway 32, 1.0 mi. NE of Hamilton City. The maximum discharges of record since 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. Transbesin 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 sq. mi.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A04242	MUD CREEK NEAR CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	147	62	19	6.7	57	6.5	2.4	0.0	0.0	0.0	1
2	0.0 *	0.0	306 *	116	18	6.4	46	6.6	3.0	0.0	0.0	0.0 *	2
3	0.0	0.0	403	48	17	6.5	40	6.2	2.9	0.0	0.0	0.0	3
4	0.0	1.4	1090	35	16	6.5	34	7.0	1.6	0.0	0.0	0.0	4
5	0.0	13	374	28	15	6.2	30	6.5	1.6	0.0	0.0	0.0	5
6	0.0	9.0	187	23	15	5.7	25	5.9	1.2	0.0	0.0	0.0	6
7	0.0	6.3	157	20	14	5.7	23	5.3	1.0	0.0 *	0.0	0.0	7
8	0.0	2.2	219	19	13	5.6	21	5.4	0.9	0.0	0.0	0.0	8
9	0.0	71 *	147	18	13	5.4 *	19	5.2	0.6	0.0	0.0	0.0	9
10	0.0	24	85	19	12	5.4	19	4.5	0.6 *	0.0	0.0	0.0	10
11	0.0	8.2	58	35 *	12	5.1	17	4.1	6.0	0.0	0.0	0.0	11
12	0.0	9.0	42	32 *	11	19	16	3.9 *	1.5	0.0	0.0	0.0	12
13	0.0 *	4.9	33	40	11	21	15	3.7	2.0	0.0	0.0	0.0	13
14	0.0	3.1	25	38	11	14	14	3.3	1.1	0.0	0.0	0.0	14
15	0.0	2.3	29	82	11	13	13 *	3.1	0.0	0.0	0.0	0.0 *	15
16	0.0	1.6	94 *	731	10	12	12 *	2.6	0.0	0.0 *	0.0 *	0.0	16
17	0.0	1.2	62	321	10 *	12	12	2.5	0.0	0.0	0.0	0.0	17
18	0.0	1.0	103	192	9.7	11	11	2.4	0.0	0.0	0.0	0.0	18
19	0.0	0.8	63	147	11	10	11	2.3	0.0	0.0	0.0	0.0	19
20	0.0	0.7	271	117	9.8	9.4	11	2.4	0.0	0.0	0.0	0.0	20
21	0.0	0.7	849	88	8.9	8.9	11	2.4	0.0	0.0	0.0	0.0	21
22	0.1	0.7	200	72	8.9	8.6	9.7	2.5	3.5	0.0	0.0	0.0	22
23	0.1	0.8	120	58	8.7	21	9.2	1.8	0.5	0.0	0.0	0.0	23
24	0.1	0.9	78	48	8.2	20	9.0	1.5	0.0	0.0	0.0	0.0	24
25	0.0	1.3	53	39	7.7	149	8.5	1.5	0.0	0.0	0.0	0.0	25
26	0.0	1.4	43	33	7.3	547 *	7.8	1.8	14	0.0	0.0	0.0	26
27	0.0	9.2	46	29	7.4	217	7.5	2.5	13	0.0	0.0	0.0	27
28	0.0	1070	58	26	7.2	152	7.1	3.0	2.4	0.0	0.0	0.0	28
29	0.0	1280	133	23		117	6.8	2.7	0.3	0.0	0.0	0.0	29
30	0.0	277	91	21		93	6.7	2.7	0.0	0.0	0.0	0.0	30
31	0.0		64	20		71		2.2		0.0	0.0		31
MEAN	0.0	93.4	182	83.2	11.5	51.3	17.6	3.7	2.0	0.0	0.0	0.0	MEAN
MAX.	0.1	1280	1090	731	19	547	57	7.0	14	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	25	18	7.2	5.1	6.7	1.5	0.0	0.0	0.0	0.0	MIN.
AC. FT.	1.0	5557	11170	5117	640	3156	1050	226	119	0.0	0.0	0.0	AC. FT.

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

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
37.3	2420	7.64	11	28	0400	0.0					27036

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

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

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1971	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	3.0	.	.	.	1
2	0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7				2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					3
4	0.0	0.0	69	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					5
6	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					7
8	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					9
10	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	N	N	N	N	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0*	O	O	O	O	12
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					13
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	R	R	R	R	14
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	E	E	E	E	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	C	C	C	C	16
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	O	O	O	O	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	R	R	R	R	18
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	D	D	D	D	19
20	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					21
22	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					23
24	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					25
26	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					27
28	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					29
30	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					31
MEAN	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	NR	NR	NR	NR	MEAN
MAX.	0.0	0.0	69.0	0.0	0.0	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.			137						.	.	.	.	AC. FT.

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

WATER YEAR SUMMARY

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

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

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

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1971	A04250	BIG CHICO CREEK AT CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	7.6	18	444	249	133	59	244	70	40	19	8.9	8.5	1
2	5.8	17	526	236	133	55	218	70	41	18	14	6.8	2
3	5.8	18	463	195	128	54	196	73	40	18	10	6.6	3
4	6.6	28	898	167	119	54	178	75	36	15	9.5	6.1	4
5	6.2	160	582	148	111	54	165	74	34	16	8.2	5.8	5
6	7.1	119	442	132	106	52	156	70	32	17	8.7	8.0	6
7	8.4	88	364	118	101	50	150	68	36	15	7.9	8.2	7
8	8.5	59	430	109	96	48	143	69	43	15	9.7	7.2	8
9	9.4	56 *	455	104	91	48 *	135	68	32	15	7.0	7.5	9
10	9.4	185	336	117	87	47	162	63	28	14	4.5	7.7	10
11	9.1	89	273	288	87	50	143	59	28 *	14	5.4	5.0	11
12	9.2	93	234	274	92	344	132	60	27	16	6.4	5.8	12
13	9.0*	70	192	251	99	484	126	56	25	10	5.6	5.4	13
14	8.9	54	160 *	219 *	102	317	121	54 *	29	12	6.9	4.2	14
15	9.5	45	141	244	102	268	115	52	25	12	7.1	3.5*	15
16	9.8	39	198	456	100	239	110 *	50	25	11 *	8.2*	4.6	16
17	10	36	211	515	97 *	238	118	48	24	12	4.0	3.8	17
18	15	34	211	460	92	207	109	46	24	12	6.1	3.8	18
19	18	34	184	407	96	185	101	45	23	13	6.6	4.6	19
20	20	33	186	351	85	170	103	44	17	7.2	6.9	4.2	20
21	26	32	318	307	79	156	102	43	15	10	11	2.8	21
22	31	32	231	273	76	145	94	42	12	11	4.0	5.4	22
23	29	33	181	248	74	214	89	40	21	14	6.8	5.5	23
24	39	32	155	218	71	271	87	38	22	15	6.1	3.7	24
25	25	40	137	191	66	344	84	38	20	15	5.9	4.6	25
26	19	48	127	169	62	788	81	26	22	15	5.9	5.2	26
27	19	63	125	154	61	577	78	31	25	9.9	6.8	7.5	27
28	18	546	144	144	61	428	75	39	29	11	7.8	15	28
29	17	600	388	139		342	73	41	20	11	7.0	9.5	29
30	17	487	331	136		298	71	41	19	11	9.3	19	30
31	18		275	134		267		40		9.6	4.6		31
MEAN	14.6	106	301	230	93.1	221	125	52.7	27.1	13.3	7.3	6.5	MEAN
MAX.	39.0	600	898	515	133	788	244	75.0	43.0	19.0	14.0	19.0	MAX.
MIN.	5.8	17.0	125	104	61.0	47.0	71.0	26.0	12.0	7.2	4.0	2.8	MIN.
AC. FT.	895	6323	18530	14188	5171	13593	7456	3239	1615	821	450	388	AC. FT.

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

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
100.4	1090	9.59	12	04	0630	0.0	3.21	08	03	0430	72667

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

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

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1971	A00600	LINDO CHANNEL NEAR CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	138	33	0.0	0.0	44	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	249 *	28	0.0	0.0	34	0.0	0.0	0.0	0.0	0.0*	2
3	0.0	0.0	153	17	0.0	0.0	27	0.0	0.0*	0.0	0.0	0.0	3
4	0.0	0.0	1,500	9.1	0.0	0.0	23	0.0*	0.0	0.0	0.0	0.0	4
5	0.0*	0.0*	365	1.4	0.0	0.0*	19	0.0	0.0	0.0	0.0*	0.0	5
6	0.0	0.0	143	0.0	0.0	0.0	17	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	79	0.0	0.0	0.0	15	0.0	0.0	0.0*	0.0	0.0	7
8	0.0	0.0	130	0.0	0.0	0.0	14	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	156	0.0	0.0	0.0	12	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	73	0.0	0.0	0.0	13	0.0	0.0*	0.0	0.0	0.0	10
11	0.0	0.0	37	34 *	0.0	0.0	15	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	21	50	0.0	389	11	0.0*	0.0	0.0	0.0	0.0	12
13	0.0	0.0	13	37	0.0	329	7.9	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	2.5*	26	0.0	80	4.9	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	36	0.0	43	2.0	0.0	0.0	0.0	0.0	0.0*	15
16	0.0	0.0	6.3	278	0.0	28	0.1*	0.0	0.0	0.0*	0.0*	0.0	16
17	0.0	0.0	12	469	0.0	25	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	18	273	0.0*	19	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	10	196	0.0	14	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	7.6	131	0.0	9.6	0.0	0.0*	0.0	0.0	0.0	0.0	20
21	0.0	0.0	75	81	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	26	51	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0*	0.0	12	35	0.0	14	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	3.0	25	0.0	47	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	18	0.0	109	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	12	0.0	1,530 *	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	5.7	0.0	550	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	205	0.0	1.1	0.0	205	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	407 *	109	0.0		117	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	162	81	0.0		82	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0		44	0.0		59		0.0		0.0	0.0		31
MEAN	0.0	25.8	111	59.6	0.0	117	8.6	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	407	1,500	469	0.0	1,530	44.0	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.		1535	6870	3664		7248	514						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
27.4	2460	17.42	12	04	0600	0.0	3.83	10	01	0000	19831

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

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

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

WATER YEAR	STATION NO.	STATION NAME
1971	A31302	GRINDSTONE CREEK NEAR ELK CREEK

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.4	17	276 *	224	382	132	500	110	85	41	4.2	3.4 *	1
2	0.6	18	326	217	364	116	450	121	72	36	5.0	5.0	2
3	0.6	24	861	172	310	126	440	116	65	33	5.0	4.2	3
4	0.6	91	2510	160	262	138	400	143	68	31	5.0	5.0	4
5	0.6	178	951	154 *	254	110	373	148	72	28	4.2	5.0	5
6	0.4	113	774	116	238	106	337	132	68	24	3.4	4.2	6
7	0.4	102	978	97	217	102	302	138	76	24	2.6	5.0	7
8	0.4	68	1180	89	198	102 *	270	198	76	24	3.4	5.0	8
9	0.6	298	883	106	184	93	253	160	76	22	3.4	4.2	9
10	0.6	189	1260	303	198	93	323	160	76	20	2.6	6.0	10
11	0.6	121	450	450	238	182	238	191	72	20	2.6	6.0	11
12	0.6	246	400	319 *	278	1740	224	204	65	17	2.6 *	5.0	12
13	0.6	62	355	244	302	1000	224	210	65	17 *	2.6	2.6	13
14	0.6 *	38	302	160	302	629	238	198 *	61	15	2.0	1.5	14
15	1.0	36	341	567	286	475	230	178	61	14	1.5	1.0	15
16	1.5	31	603	4550	270	433	217	154	61	12	1.0	1.0 *	16
17	1.5	24	460	5050	230	460	228	138	61 *	12	1.0	2.6	17
18	2.0	22 *	468	4620	204 *	373	204	116	61	12	1.0	4.2	18
19	1.5	22	391	2610	204	337	191 *	116	58	11 *	0.6	7.0	19
20	4.2	20	364	1580	178	310	178	116	55	11	1.0	9.4	20
21	12	20	310	1050	172	278	172	110	52	12	1.0	12	21
22	33	18	286	758	160	254	154	93	49	11	1.5	15	22
23	31	18	262	604	154	1060	172	102	46	8.2	0.6	18	23
24	52	29	254	517	148	858	132	116	41	8.2	0.6	18	24
25	28	462	238	420	154	1110	121	143	43	7.0	1.0	22	25
26	17	348	246	382	143	4550	110	143	46	6.0	0.6	24	26
27	14	269	238	373	143	1610	97	121	49	6.0	1.0	26	27
28	15	451	270	373	143	1160	97	164	46	4.2	1.0	31	28
29	14	628	469	364		881	102	132	43	5.0	1.0	36	29
30	14	409	294	364		724	97	132	43	5.0	1.0	36	30
31	15		238	391		604		97		5.0	2.0		31
EAN	8.5	146	556	883	226	650	236	142	60.4	16.2	2.1	10.8	MEAN
AX.	52	628	2510	5050	382	4550	500	210	85	41	5.0	36	MAX.
IN.	0.4	17	238	89	143	93	97	93	41	4.2	0.6	1.0	MIN.
C. FT.	524	8672	34190	54320	12530	39960	14030	8727	3594	995	131	645	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
246	7640	13.13	1	16	1800	0.2	9.42	10	1	1430	178300

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 40 48	122 31 52	SW15 21N 6W				NOV 35-SEP 37 AUG 52-OCT 55 OCT 59-DATE	NOV 35-SEP 37 AUG 52-MAR 57 AUG 59-DATE				

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

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1971	A02570	SACRAMENTO RIVER AT ORD FERRY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	7,190	7,170	41,500	25,300	26,700	10,500	22,700	13,400	15,800	12,300	11,200	11,400	1
2	7,200	7,170	39,400	25,800	26,200	10,000	22,700	13,300	16,300	11,900	11,600	11,400	2
3	6,980	7,180	43,100	24,600	25,600	9,910	24,800	13,400	15,400	11,800	11,400	10,800	3
4	6,960	7,250	66,300	23,400	25,000	9,800	23,900	13,900	15,100	11,700	11,100	9,920	4
5	6,960	7,780	83,800	22,300	24,300	9,750	21,500	14,800	14,900	11,600	11,300	9,700	5
6	7,050 *	9,250	56,200	21,900	22,700	9,630	21,200	16,100	14,700	11,200	11,000	9,710	6
7	7,000	10,800	49,700	21,100	20,900	9,590	21,200	16,900	14,400 *	11,000	10,800	9,580	7
8	7,020	10,300	58,100	20,700	20,200 *	9,490	20,300	17,800	14,200	10,900	10,900	9,570	8
9	7,080	9,300	70,300	20,300	19,800	9,380	18,700	18,700	14,400	10,900	10,800 *	9,620	9
10	7,050	21,100	57,800	18,900	19,600	9,090	18,700	19,200 *	14,400	10,900	10,800	9,650	10
11	7,070	12,300	48,300	20,700	19,700	8,730	19,600	18,900	14,300	10,900	10,700	9,750	11
12	7,100	11,400	43,000	21,200	18,400	9,310	20,200 *	18,900	14,200	10,900 *	10,700	9,700	12
13	7,070	11,000 *	38,100	19,800	18,200	26,000	19,900	19,000	14,000	10,900	10,700	9,730	13
14	6,950	10,000	34,000	18,800	16,900	16,500	20,100	19,300	13,900	10,800	10,800	9,800	14
15	6,970	9,710	32,300	18,800	16,300	15,200	19,700	19,500	13,700	10,800	10,800	9,740	15
16	6,770	10,300	36,500	43,700	16,100	15,600	19,500	19,200	13,700	10,800	10,700	9,790	16
17	6,650	12,500	40,800	90,600	15,800	12,800	17,600	18,900	13,600	10,800	10,700	9,790	17
18	6,730	14,100	39,300	71,000	15,400	11,600	17,100	18,600	13,500	10,900	10,800	9,740	18
19	6,800	15,100	38,100	58,200	14,200	10,700	16,700	18,100	13,300	10,800	10,800	9,820	19
20	6,970	15,300	32,300	53,300	13,200	10,200	16,700	17,800	13,200	10,700	10,800	9,870	20
21	7,280	15,300	40,500	48,400	12,600	9,940	16,900	17,500	13,100	10,600	10,900	9,950	21
22	7,410	15,400	37,600	44,900	12,300	9,780	15,800	16,700	13,100	10,500	10,900	10,000 *	22
23	7,460	15,600	28,800	42,100	12,000	10,100	15,400	15,300	13,000	10,500	11,000	10,000	23
24	7,650	15,700	26,500	40,600	10,900	15,800	15,100	15,100	13,100	10,500	11,100	9,980	24
25	7,680	18,600	24,700	39,400	11,400	16,200	14,200	15,300	12,900	10,500	10,900	10,000	25
26	7,390	22,500	23,300	38,200 *	10,900	42,500	14,000	15,200	12,700	10,500	10,900	10,000	26
27	7,270	19,500	23,100	36,700	10,800	48,600	13,800	15,600	13,600	10,400	10,900	10,200	27
28	7,260	42,100	22,800	31,100	10,700	27,600	13,600	16,000	13,500	10,500	11,000	10,100	28
29	7,260	79,800	27,200	28,200		21,800	13,000	16,300	12,700	10,800	11,200	10,100	29
30	7,210	67,100	30,000	27,400		19,600	13,300	15,900	12,400	10,900	11,300	10,200	30
31	7,200		26,200	26,900		23,200		15,700		11,200	11,400		31
MEAN	7,117	17,687	40,632	33,687	17,385	15,448	18,263	16,783	13,903	10,948	10,964	9,987	MEAN
MAX.	7,680	79,800	83,800	90,600	26,700	48,600	24,800	19,500	16,300	12,300	11,600	11,400	MAX
MIN.	6,650	7,170	22,800	18,800	10,700	8,730	13,000	13,300	12,400	10,400	10,700	9,570	MIN
AC. FT.	437633	1052449	2498379	2071338	965553	949884	1086743	1031999	827305	673190	674181	594267	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
17767.3	97100	64.59	01	17	1815	6430.0	46.33	10	16	2215	12862922

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

Station located 0.1 mi. below Ord Ferry. Records of flows in excess of 70,000 cubic feet per second are not reliable due to an undetermined amount of water by-passing the station via Butte Basin. Flow regulated by Shasta Lake since 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.

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

WATER YEAR	STATION NO.	STATION NAME
1971	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	155	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	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	4920	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	2760	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	8.0	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	914	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	1650	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	1640	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	6590	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	1050	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	19	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	444	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	3630	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	136	636	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	3630	6590	0.0	0.0	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.	0.0	8081	39120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	AC. FT.

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

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
65.2	7725	79.60	12	5	1930	0.0		10	1		47200

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

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

\# - Flood season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	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	21100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	5500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	6910	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	10700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	36400	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	34300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	19000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	14700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	24200 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	28800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	18400	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	9820	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	5280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	1800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	363	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	390	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	3460	22500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	5600	42800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	4100	29800 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	1640	22600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	1170	16700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	6960	11700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	776	8630	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	6480	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	5170	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	4280	0.0	38	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	3340	0.0	12300	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	1550	0.0	3900	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	21000	0.0	2.4		0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	40300	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	2043	8431	5663	0.0	524	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	40300	36400	42800	0.0	12300	0.0	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	121600	518400	348200	0.0	32210	0.0	0.0	0.0	0.0	0.0	0.0	AC. FT.

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

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
1410	44200	66.71	12	5	2200	0.0					1021000

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 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
1971	A04910	LITTLE CHICO CREEK DIVERSION NEAR CHICO

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

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

WATER YEAR SUMMARY

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

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

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

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1971	A04265	BUTTE CREEK NEAR DURHAM

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	71	143	791	499	511	325	899	415	349	93	19	26	1
2	69	148	916	499	513	318	836	407	316	80	19	43	2
3	70	152	919	406	497	313	807	421	290	92	19	35	3
4	73	183	2,690	374	465	314	784	462	269	80	47	37	4
5	74	354	1,430	351	440	306	772	460	268	78	61	50	5
6	75	272	935	334	428	301	766	443	260	90	62	77	6
7	76	252	756	323	418	299	755	440	265	103	41	62	7
8	77	229	948	315	405	288	735	473	256	83	43	48	8
9	70	232 *	1,190	311	395	283 *	714	462	246	79	55	21	9
10	69	358	817	337	394	278	806	469	247	84	47	16	10
11	68	268	641	625	415	285	766	494	245 *	76	32	16	11
12	71	285	551	552	477	1,850	709	530	234	77	26	15	12
13	67 *	264	473	518	498	1,830	685	528	237	53	24	16	13
14	67	245	433 *	463 *	507	950	660	509	227	42	23	18 *	14
15	64	238	406	530	499	765	659	497	191	38	20	18	15
16	54	236	532	1,080	494	652	651	487	169	52 *	21 *	18	16
17	56	239	527	1,310	477 *	634	683	461 *	159	46	14	18	17
18	67	238	501	1,160	449	549	631	446	156	45	14	18	18
19	79	238	436	1,080	480	482	595 *	430	151	41	16	18	19
20	84	245	466	954	441	453	603	425	133	40	30	17	20
21	101	253	1,010	831	417	435	552	425	122	35	42	17	21
22	116	256	614	730	397	421	540	382	108	36	40	16	22
23	118	261	464	664	381	625	485	391	103	33	34	15	23
24	140	266	396	611	375	1,030	442	389	101	39	23	69	24
25	105	293	362	572	360	1,070	456	387	97	40	24	124	25
26	96	328	346	529	344	3,190	448	405	145	32	21	133	26
27	90	328	345	508	341	2,560	425	376	245	26	20	164	27
28	93	1,160	380	496	340	1,620	398	396	143	22	18	155	28
29	102	1,440	975	491		1,280	400	366	118	22	19	151	29
30	97	968	750	490		1,130	412	368	104	22	30	243	30
31	133		569	502		1,010		339		20	32		31
MEAN	83.6	345	728	595	434	833	635	434	198	54.8	30.2	55.8	MEAN
MAX.	140	1,440	2,690	1,310	513	3,190	899	530	349	103	62.0	243	MAX.
MIN.	54.0	143	345	311	340	278	398	339	97.0	20.0	14.0	15.0	MIN.
AC. FT.	5141	20573	44765	36585	24115	51265	37833	26743	11810	3370	1857	3320	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
369.3	3750	6.76	03	12	1845	9.0	2.84	08	18	2030	267376

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

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

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1971	A04280	LITTLE CHICO CREEK NEAR CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	4.6	68	47	21	10	26	11	5.5	0.5	0.0	0.0	1
2	0.0	4.6	131	48	20	10	24	10	5.4	1.0	0.0	0.0*	2
3	0.0	4.6	236	38	19	6.5	23	10	5.1	1.4	0.0*	0.0	3
4	0.0	6.2	651	33	18	8.9	22	10	4.9	1.3	0.0	0.0	4
5	0.0	12	218	30	17	8.6	22	9.4	4.8	1.1	0.0	0.0	5
6	0.0	10	125	28	17	8.0	22	9.3	4.3	0.9	0.0	0.0	6
7	0.0	8.2	94	26	16	7.6	22	8.0	3.8	0.9	0.0	0.0	7
8	0.0	7.3	91	25	16	7.4	21	6.8	3.8	0.9	0.0	0.0	8
9	0.0	8.1*	70	24	15	7.2*	21	6.3	3.6	1.1	0.0	0.0	9
10	0.0	15	50	25	14	7.5	23	5.9	3.6*	0.9	0.0	0.0	10
11	0.0	9.0	39	27 *	14	7.9	22	5.4	3.7	0.8	0.0	0.0	11
12	0.0	9.4	34	28	13	20	21	7.1*	3.3	0.5	0.0	0.0	12
13	0.0	7.3	31	32	13	18	21	7.7	1.1	0.4	0.0	0.0	13
14	0.0	6.8	28	32	13	15	21	7.5	1.2	0.3	0.0	0.0	14
15	0.0	6.7	27	44	13	14	21	7.5	1.0	0.3	0.0	0.0	15
16	0.0	4.2	35 *	170	12	13	22 *	6.6	1.1	0.3*	0.0*	0.0	16
17	3.5	5.0	37	151	11	13	21	6.5	0.9	0.4	0.0	0.0	17
18	5.4	5.3	42	109	11 *	13	20	6.4	0.9	0.5	0.0	0.0	18
19	5.9	5.3	34	80	13	13	19	6.3	1.1	0.3	0.0	0.0	19
20	6.4	5.3	86	57	16	12	19	6.3	1.0	0.2	0.0	0.1	20
21	6.5	5.1	274	42	15	12	18	5.9	1.0	0.1	0.0	0.1	21
22	6.9	5.0	118	36	14	12	17	5.9	0.8	0.1	0.0	0.1	22
23	6.4	5.2	76	33	14	21	17	5.3	0.7	0.2	0.0	0.1	23
24	6.9	5.1	53	30	13	21	15	5.1	0.8	0.1	0.0	0.1	24
25	5.4	5.4	44	28	12	130	15	5.0	0.8	0.1	0.0	0.1	25
26	4.8	5.5	40	26	11	358	14	5.0	1.1	0.1	0.0	0.1	26
27	4.6	11	39	25	11	123	14	5.3	1.4	0.0	0.0	0.1	27
28	4.6	301	47	24	11	71	13	5.7	1.1	0.0	0.0	0.1	28
29	4.6	333 *	93	23		44	12	5.7	1.0	0.0	0.0	0.1	29
30	4.6	131	62	22		35	12	5.9	0.7	0.0	0.0	3.0	30
31	4.6		49	21		30		5.7		0.0	0.0		31
MEAN	2.6	31.7	97.5	44.0	14.4	34.8	19.3	6.9	2.3	0.5	0.0	0.1	MEAN
MAX.	6.9	333	651	170	21.0	358	26.0	11.0	5.5	1.4	0.0	3.0	MAX.
MIN.	0.0	4.2	27.0	21.0	11.0	6.5	12.0	5.0	0.7	0.0	0.0	0.0	MIN.
AC. FT.	161	1889	5994	2705	799	2137	1150	425	138	29		8	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
21.3	1200	4.78	12	04	0315	0.0	0.01	10	01	0000	15437

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

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

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1971	A02984	CHEROKEE CANAL NEAR RICHVALE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.8	24	602	154	74	21	67	80	25	18	28	33	1
2	0.7	22	880	462	72	19	63	79	31	24	24	25	2
3	0.9	21	550	172	70	17	60	74	33	23	15	27	3
4	0.7	27	2,000 *	130	68	17	57	54	29	24	24	28	4
5	0.8	35	859	115	67	17	55	51	23	24	28	27	5
6	0.7	98	425	106	66	24	54	34	18	24	27	24	6
7	0.6	132	266	98	65	14	54	37	22	19	26	22	7
8	0.5	62	384	93	64	27	54	55	24	20	25	23	8
9	0.4	52	339	90	42	28 *	52	54	22	23	25	26	9
10	0.4	68	203	87	31	20	48	47	27	18	26	21	10
11	0.4	64	158	105	31	19	46	28	24 *	14	31	18	11
12	1.5	102	137	111	35	41	44	21	21	20	25	15	12
13	2.5*	73	126	186	54	87	44	32	17	29	15	13	13
14	2.3	60	128	150	57	50	54	27	20	28	18	14 *	14
15	2.3	54	115	120	56	59	58	25	18	26	24	9.6	15
16	2.3	53	181	587	60	47	61 *	28	24	21 *	26 *	6.8	16
17	2.4	51	148 *	689	69 *	48	50	23 *	14	13	25	12	17
18	2.5	50 *	152	268 *	60	49	41	26	6.1	9.9	30	16	18
19	1.7	48	172	186	49	41	40	34	6.0	11	31	21	19
20	1.9	48	127	149	30	39	38	36	7.8	16	30	21	20
21	3.5	48	1,610	124	41	34	34	38	14	19	35	15	21
22	3.4	48	612	110	49	32	29	32	23	18	39	12	22
23	19	48	274	97	38	102	36	27	21	20	35	9.0	23
24	25	49	192	89	28	209	115	25	18	21	32	6.5	24
25	35	50	148	84	27	526	152	24	20	22	22	2.2	25
26	29	52	139	81	25	977	142	28	24	22	13	1.8	26
27	28	53	174	79	25	246	95	29	25	24	33	1.6	27
28	29	1,480	189	78	23	127	115	31	26	26	46	3.7	28
29	30	3,410 *	659	77		95	115	30	23	21	49	3.0	29
30	32	1,030	287	75		82	104	26	19	11	43	3.7	30
31	32		187	74		72		25		23	39		31
MEAN	9.4	247	400	162	49.1	102	65.9	37.4	20.8	20.4	28.7	15.4	MEAN
MAX.	35.0	3,410	2,000	689	74.0	977	152	80.0	33.0	29.0	49.0	33.0	MAX.
MIN.	0.4	21.0	115	74.0	23.0	14.0	29.0	21.0	6.0	9.9	13.0	1.6	MIN.
AC. FT.	580	14701	24641	9969	2729	6319	3921	2301	1239	1253	1763	914	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
97.1	4520	9.91	11	29	1515	0.3	1.74	10	11	1530	70332

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

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

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

WATER YEAR	STATION NO.	STATION NAME
1971	A02967	BUTTE SLOUGH AT OUTFALL GATES

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	223	230	0.0	0.0	0.0	45	0.0	0.0	202	0.0	0.0	235	1
2	223	235	0.0	0.0	0.0 *	94	0.0	0.0	159	0.0	0.0	230	2
3	223	202	0.0	0.0	0.0	112	0.0	0.0	202	0.0	0.0	242	3
4	223	174	0.0 *	0.0	0.0	112	0.0	28	267	0.0	3.2	280	4
5	223	120	0.0	0.0 *	0.0	103	0.0	120	267	0.0	4.6	311	5
6	223	235	0.0	0.0 *	0.0	112	0.0	51	286	0.0 *	8.7	298	6
7	216	209	0.0	0.0	0.0	112	0.0	0.0	255	0.0	21	267	7
8	216 *	71	0.0	0.0	0.0	120	0.0	0.0	216	0.0	25	255	8
9	209	298	0.0	0.0	0.0	128	0.0	0.0	166 *	0.0	28	262	9
10	216	124	0.0	0.0	0.0	136	0.0	0.0	94	0.0	28	267	10
11	216	0.0	0.0	0.0	0.0 *	159	0.0	0.0	0.0	0.0	27	267	11
12	223	102	0.0	0.0	0.0	174	0.0	0.0	0.0	0.0	28	262	12
13	230	188	0.0	0.0	0.0	54	0.0	0.0	0.0	45	22	248	13
14	235	280	0.0	0.0	0.0	0.0	0.0 *	0.0	0.0	20	18	216	14
15	248	316	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	15	188	15
16	248	298 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56	12	181	16
17	248	202	0.0	0.0	0.0	29	0.0	0.0	0.0	20	10	181	17
18	242	0.0	0.0	0.0	0.0	209	0.0	0.0 *	0.0	33	10	144	18
19	235	0.0	0.0	0.0	0.0	286	0.0	0.0	0.0	56	2.7	112	19
20	242	0.0 *	0.0	0.0	0.0	286	0.0	0.0	0.0	28	0.0	103	20
21	235	0.0	0.0	0.0	56	267	0.0	0.0	0.0	0.0	5.4	86	21
22	230	0.0	0.0	0.0	86	255	0.0	0.0	0.0	12	19	76	22
23	235	0.0	0.0	0.0	112	235	0.0	75	0.0	17	35	94	23
24	248	0.0	0.0	0.0	174	108	0.0	174	0.0	15	34	136 *	24
25	242	0.0	0.0	0.0	94	0.0	0.0	159	0.0	13	52	136	25
26	274	0.0	0.0	0.0	120	0.0	0.0	128	0.0	12	61	128	26
27	280	0.0	0.0	0.0	94	0.0	0.0	86	0.0	11	124	112	27
28	286	0.0	0.0	0.0	76	0.0	0.0	86	0.0	8.2	209	94	28
29	280	0.0	0.0	0.0		0.0	0.0	45	0.0	6.6	202	45	29
30	262	0.0	0.0	0.0		0.0	0.0	103	0.0	5.2	230	0.0	30
31	248		0.0	0.0		0.0		181		4.6	248		31
MEAN	238	109	0.0	0.0	29.0	101	0.0	39.9	70.5	12.3	47.8	182	MEAN
MAX.	286	316	0.0	0.0	174	286	0.0	181	286	56	248	311	MAX.
MIN.	209	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.	14640	6514	0.0	0.0	1611	6220	0.0	2452	4193	759	2941	10820	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
69.1	NR					0.0					50150

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 11 44	121 56 04	NE35 16N 1W				JUN 24-OCT 38 8 JAN 39-DATE	JUN 24-DATE			0.00	USED

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

8 - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	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	39	32	33	0.0	6.8	0.0	75	44	30	42	1
2	0.0	26	30	32	33	0.0	6.8	7.0	54	28	42	50	2
3	0.0	36	19	32	33	0.0	16	39	40	17	42	55	3
4	0.0	36	21	9.7	33	27	13	84	54	23	29	54	4
5	0.0	23	29	24	34	11	15	86	43	27	22	54	5
6	0.0	0.0	28	34	34	0.0	16	89	29	28	25	54	6
7	0.0	26	29	34	34	0.0	27	54	30	22	27	42	7
8	0.0	11	29	10	9.9	0.0	24	83	28	17	32	17	8
9	0.0	0.0	29	25	25	0.0	19	81	28	27	28	31	9
10	0.0	0.0	29	36	35	3.1	19	80	17	30	31	17	10
11	0.0	0.0	29	10	42	0.0	19	70	25	27	17	17	11
12	0.0	0.0	30	26	23	17	19	53	22	30	24	17	12
13	9.5	0.0	30	36	0.0	11	19	70	17	26	17	17	13
14	0.0	0.0	30	10	23	25	19	53	28	17	26	17	14
15	0.0	0.0	28	26	11	36	15	69	29	27	24	17	15
16	3.8	0.0	22	36	0.0	28	19	53	44	17	35	17	16
17	1.9	0.0	30	30	27	0.0	19	53	30	17	28	17	17
18	1.9	15	30	51	37	9.4	35	53	36	17	31	17	18
19	0.0	26	31	39	11	0.0	21	54	25	17	28	17	19
20	11	12	30	45	13	0.0	20	54	37	17	31	17	20
21	9.6	0.0	31	30	38	0.0	29	69	44	17	30	17	21
22	8.0	15	30	30	11	0.0	20	54	45	17	28	17	22
23	4.7	12	31	56	0.0	14	20	54	31	17	32	17	23
24	1.5	0.0	31	32	0.0	9.4	20	55	52	17	32	0.0	24
25	0.0	0.0	32	30	28	12	20	54	30	17	43	0.0	25
26	6.1	0.0	33	31	11	22	20	55	44	17	34	0.0	26
27	0.0	0.0	33	31	0.0	10	20	55	44	17	27	0.0	27
28	0.0	0.0	33	31	0.0	19	20	73	54	17	44	0.0	28
29	0.0	50	47	32		0.0	28	85	54	17	28	0.0	29
30	0.0	67	32	32		0.0	9.3	88	29	17	44	0.0	30
31	0.0		31	33		0.0		75		17	39		31
MEAN	1.9	11.8	30.2	30.5	20.7	8.2	19.1	61.4	37.3	21.4	30.6	21.2	MEAN
MAX.	11	67	47	56	42	36	35	89	75	44	44	55	MAX.
MIN.	0.0	0.0	19	9.7	0.0	0.0	6.8	0.0	17	17	17	0.0	MIN.
AC. FT.	115	704	1857	1876	1148	504	1138	3773	2218	1313	1884	1263	AC. FT.

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

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
24.5	NR					0.0					17790

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 04 08	121 51 43	NE16 14N 1E				MAY 24-OCT 38 8 Jan 39-DATE					

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

8 - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	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	11800	1840	2662	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	8590	1160	2460	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	7740	1190	2200	0.0	49	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	7620	347	1900	0.0	778	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	10200	0.0	1560	0.0	263	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	12800	0.0	1000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	10500 *	0.0	90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	13600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	12500 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	13500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	13100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	11200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	9510	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	7860	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	6660	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	5980	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	7300	7000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	8190	14900	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	7947	14300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	7470	11600 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	6044	11000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	8660	9740	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	6710	8750	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	4130	7990	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	2560	7380	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	1060	6919	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	27	6404	0.0	6350	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	5750	0.0	7150	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	6760	0.0	4570		3710	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	12300	2420	3610		582	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0		3240	3010		0.0		0.0		0.0	0.0		31
MEAN	0.0	635	7384	4112	424	574	36.3	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	12300	13600	14900	2662	7150	778	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	37800	454100	252800	23550	35290	2162	0.0	0.0	0.0	0.0	0.0	AC. FT.

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

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
1113						0.0					805700

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

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

- Flood season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A02933	RECLAMATION DISTRICT 108 DRAINAGE TO SACRAMENTO RIVER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	91	0.0	315	25	80	0.0	129	306	281	202	214	302	1
2	0.0	0.0	321	98	80	76	0.0	498	220	179	195	257	2
3	59	0.0	166	120	80	0.0	0.0	340	232	154	154	302	3
4	0.0	0.0	313	81	73	0.0	136	390	146	194	206	302	4
5	0.0	110	242	129	77	135	0.0	391	149	154	182	302	5
6	0.0	0.0	125	0.0	53	0.0	134	380	149	156	186	357	6
7	0.0	0.0	170	102	69	0.0	0.0	341	149	156	156	373	7
8	0.0	41	127	80	66	0.0	131	342	198	156	257	442	8
9	0.0	0.0	178	67	66	93	0.0	375	245	156	206	439	9
10	50	0.0	127	67	62	0.0	78	342	236	156	276	422	10
11	0.0	0.0	127	62	64	74	0.0	274	141	174	234	353	11
12	0.0	121	127	65	58	0.0	136	276	129	202	242	403	12
13	107	0.0	127	90	55	137	0.0	258	145	156	203	302	13
14	61	0.0	37	66	43	0.0	116	236	142	156	156	239	14
15	19	0.0	140	67	58	0.0	36	144	151	187	221	266	15
16	22	0.0	157	84	66	0.0	95	276	151	156	230	69	16
17	14	0.0	75	115	61	71	44	174	151	156	238	211	17
18	0.0	0.0	224	130	45	0.0	114	216	91	211	222	149	18
19	0.0	0.0	91	64	51	0.0	145	228	157	156	259	107	19
20	0.0	0.0	213	127	52	81	95	206	166	156	229	144	20
21	0.0	104	130	127	24	0.0	183	281	154	156	205	0.0	21
22	0.0	0.0	192	125	51	138	82	252	96	187	352	124	22
23	0.0	0.0	127	16	48	0.0	152	229	166	156	253	59	23
24	123	0.0	77	135	37	0.0	97	232	186	158	269	0.0	24
25	0.0	0.0	130	127	0.0	143	202	266	154	314	326	106	25
26	0.0	0.0	127	45	88	0.0	137	231	154	206	309	0.0	26
27	0.0	90	77	127	0.0	0.0	200	245	205	197	307	0.0	27
28	0.0	167	56	82	58	97	213	298	192	156	307	150 *	28
29	135	372	133	60		0.0	244	293	151	199	222	79	29
30	0.0	370	58	87		119	302	317	200	205	307	0.0	30
31	0.0		131	95		0.0		293		156	302		31
MEAN	22.0	45.8	150	86.0	55.9	37.5	107	288	170	176	240	209	MEAN
MAX.	135	372	321	135	88	143	302	498	281	314	352	442	MAX.
MIN.	0.0	0.0	37	0.0	0.0	0.0	0.0	144	91	154	154	0.0	MIN.
AC. FT.	1351	2727	9203	5286	3104	2309	6349	17710	10090	10840	14730	12410	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
174	NR					0.0					96110

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

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

8 - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	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											0		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	3.1	5.3	42.5	23.2	16.8	6.1	6.5	71.7	41.9	38.0	51.4	37.4	MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.	190	314	2613	1426	933	373	387	4410	2496	2334	3158	2225	AC. FT.

RECORDS SUFFICIENT TO COMPUTE ONLY MONTHLY FLOWS

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

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
											20895

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

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

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1971	A02976	COLUSA BASIN DRAIN AT HIGHWAY 20

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	235	206	2,400	419	222	102	422	892	1,380	545	662	1,010	1
2	229	204	2,260	554	205	98	497	1,040	1,300	499	667	987	2
3	224	173	1,900	467	188	97	503	1,420	1,080	510	528	975	3
4	192	223	1,990	356	172	115	577	1,570	787	464	508	928	4
5	181	411	2,010	331	169	110	571	1,730	613	449	548	868	5
6	214 *	482	1,550	288	164	94	365	1,760	498	412	573	818	6
7	203	470	1,180	271	160	94	357	1,620	364 *	391	574	856	7
8	165	441	999	255	159 *	96	364	1,530	215	366	588	872	8
9	149	445	952	243	168	93	293	1,590	144	342	575 *	909	9
10	150	569	808	218	152	93 *	270	1,660 *	195	340	537	958	10
11	151	540	661	211	165	94	230	1,690	217	354	528	985	11
12	181	398	558	223	220	110	197 *	1,650	173	396 *	466	959	12
13	153	319 *	477	231	218	124	110	1,590	229	391	438	945	13
14	145	222	487	231	206	107	78	1,520	288	368	500	981	14
15	142	149	460	214	185	99	190	1,500	261	393	549	891	15
16	130	160	595	519	189	150	142	1,410	257	379	605	851	16
17	139	166	705 *	1,590	206	180	163	1,320	231	340	665	858	17
18	159	161	878	1,480	176	138	166	1,180	250	355	696	755	18
19	173	141	1,810	1,220	161	138	231	1,030	284	382	724	706	19
20	207	129	1,490	845	149	135	188	948	217	379	705	641	20
21	315	114	1,310	695 *	138	145	225	1,150	225	406	737	600	21
22	401	100	1,370	587	134	148	392	1,100	330	381	813	545 *	22
23	328	109	1,060	483	129	189	489	869	346	352	890	466	23
24	360	115	748	407	129	295	541	762	368	362	837	454	24
25	333	134	618	358	119	402	662	755	416	425	873	451	25
26	341	140	573	311	110	467	563	851	451	458	900	421	26
27	264	151	603	271	107	317	500	944	539	445	926	382	27
28	220	1,040	551	254	113	398	508	1,260	620	490	934	365	28
29	229	2,010	519	263		380	679	1,480	531	526	940	354	29
30	210	2,490	481	236		418	768	1,540	523	597	991	337	30
31	218		441	247		408		1,490		622	1,030		31
MEAN	217	413	1,046	460	164	188	374	1,317	444	423	693	737	MEAN
MAX.	401	2,490	2,400	1,590	222	467	768	1,760	1,380	622	1,030	1,010	MAX.
MIN.	130	100	441	211	107	93.0	78.0	755	144	340	438	337	MIN.
AC. FT.	13371	24619	64352	28320	9150	11572	22296	81027	26444	26021	42658	43890	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
543.8	2530	48.31	11	30	1200	59.0	37.83	04	13	2245	393719

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

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

8 - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A02945	COLUSA BASIN DRAIN AT KNIGHTS LANDING

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	228	0.0	0.0	0.0	0.0	187	0.0	300	732	260	440	1180	1
2	180	37	0.0	0.0	0.0	128	0.0	428	685	236	394	744	2
3	132	117	0.0	0.0	0.0	0.0	0.0	741	620	216	347	735	3
4	132	164	0.0	0.0	0.0	0.0	0.0	971	540	224	257	718	4
5	132	500	0.0	0.0	0.0	0.0	0.0	805	475	172	306	809	5
6	156	541	0.0	0.0	0.0	0.0	0.0	1030	495	153	326	673	6
7	171	798	0.0	0.0	0.0	0.0	0.0	934	434	44	383	672	7
8	109	525	0.0	0.0	0.0	0.0	0.0	890	291	50	402	738	8
9	63	277	0.0	0.0	0.0	32	0.0	1010	194	25	422	783	9
10	104	427	0.0	0.0	0.0	14	0.0	881	262	12	397	791	10
11	81	0.0	0.0	0.0	0.0	37	0.0	745	0.0	52	355	948	11
12	117	362	0.0	0.0	0.0	551	0.0	738	0.0	88	280	903	12
13	99	379	0.0	0.0	0.0	284	0.0	698	0.0	108	217	885	13
14	117	292	0.0	0.0	0.0	0.0	0.0	628	44	48	239	871	14
15	99	282	0.0	0.0	0.0	0.0	0.0	566	45	32	297	822	15
16	63	239	0.0	0.0	0.0	0.0	0.0	465	42	52	317	757	16
17	45	203	0.0	0.0	412	0.0	0.0	606	10	48	353	748	17
18	117	108	0.0	0.0	531	0.0	0.0	513	0.0	14	446	727	18
19	99	0.0	0.0	0.0	582	0.0	0.0	475	0.0	52	473	660	19
20	420	0.0	0.0	0.0	620	564	0.0	557	4.2	62	515	642	20
21	213	0.0	0.0	0.0	620	503	0.0	613	0.0	50	524	574	21
22	369	0.0	0.0	0.0	280	200	0.0	706	0.0	82	548	504	22
23	567	0.0	0.0	0.0	262	184	511	725	12	34	678	444	23
24	374	0.0	0.0	0.0	206	215	426	763	10	14	686	375	24
25	330	0.0	0.0	0.0	256	0.0	78	738	64	120	655	397	25
26	331	0.0	0.0	0.0	202	0.0	151	706	72	184	656	371	26
27	277	0.0	0.0	0.0	220	0.0	34	706	176	136	666	342	27
28	216	0.0	0.0	0.0	201	0.0	10	738	291	92	678	277	28
29	171	0.0	0.0	0.0		0.0	152	788	343	140	664	264	29
30	171	0.0	0.0	0.0		0.0	256	725	251	204	666	306	30
31	130		0.0	0.0		0.0		738		340	726		31
MEAN	188	175	0.0	0.0	157	93.5	53.9	707	203	108	462	655	MEAN
MAX.	567	798	0.0	0.0	620	564	511	1030	732	340	726	1180	MAX.
MIN.	45	0.0	0.0	0.0	0.0	0.0	0.0	300	0.0	12	217	264	MIN.
AC. FT.	11530	10420	0.0	0.0	8711	5750	3209	43490	12080	6633	28390	39000	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
234	NR					0.0					169000

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

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

δ - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A02950	RECLAMATION DISTRICT 787 DRAINAGE TO COLUSA BASIN DRAIN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN	0.0	1.4	4.6	0.0	0.0	0.3	0.8	6.3	0.1	0.0	0.0	2.2	MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.	0.0	81	284	0.0	0.0	16	49	386	3	0.0	0.0	132	AC. FT.

RECORDS SUFFICIENT TO COMPUTE ONLY MONTHLY FLOWS

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

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
											951

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

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

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

WATER YEAR	STATION NO.	STATION NAME
1971	A02930	FREMONT WEIR SPILL TO YOLO BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			NF	NF		NF							1
2			4,730	NF		NF							2
3			10,800 *	NF		NF							3
4			11,300	NF		NF							4
5			20,300	NF		NF							5
6			21,600	NF		NF							6
7			24,600	NF		NF							7
8			21,000 *	NF		NF							8
9			17,000	NF		NF							9
10			17,000	NF		NF							10
11	N	N	18,200	NF	N	NF	N	N	N	N	N	N	11
12			16,600	NF		NF							12
13	O	O	12,000	NF	O	NF	O	O	O	O	O	O	13
14			7,670	NF		NF							14
15			2,490	NF		NF							15
16	F	F	NF	NF	F	NF	F	F	F	F	F	F	16
17			NF	NF		NF							17
18	L	L	NF	NF	L	NF	L	L	L	L	L	L	18
19			NF	2,360		NF							19
20	O	O	NF	20,300	O	NF	O	O	O	O	O	O	20
21	W	W	NF	22,300	W	NF	W	W	W	W	W	W	21
22			NF	18,800		NF							22
23			NF	14,400		NF							23
24			NF	10,100		NF							24
25			NF	6,240		NF							25
26			NF	3,310		NF							26
27			NF	262		NF							27
28			NF	NF		NF							28
29			NF	NF		3,730							29
30			NF	NF		1,380							30
31			NF	NF		NF							31
MEAN			6,622	3,164		165							MEAN
MAX.			24,600	22,300		3,730							MAX.
MIN.			0.0	0.0		0.0							MIN.
AC. FT.			407,200	194,500		10,140							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
846	25,100		12	7	0900	0.0		10	1	0000	611,840

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

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

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1971	A02972	BUTTE SLOUGH NEAR MERIDIAN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	94	113	28,800	1,400	1,720	369	3,070	333	1,060	269	316	495	1
2	97	110	24,700	1,430	1,440	336	2,630	361	1,100	275	319	499	2
3	98	110	19,000	1,390	1,340	303	2,270	463	1,110	276	322	476	3
4	92	116	18,500	1,370	1,270	288	1,960	611	1,030	302	326	404	4
5	88	123	24,200	1,340	1,210	278	1,750	765	986	299	332	325	5
6	86	157	38,100	1,300	1,150	271	1,500	927	953	281	350	296	6
7	85	261	37,100	1,240	1,110	261	1,400	1,040	905	266	365	285	7
8	83 *	424	30,200	1,160	1,060	256	1,340	1,040	822	249	373	264	8
9	84	374	28,200	1,050	1,010	243	1,290	986	764 *	230	392	265	9
10	87	343	31,500	950	974	233	1,270	999	733	219	386	272	10
11	89	507	31,700	904	930 *	215	1,240	991	700	238	383 *	289	11
12	90	532	25,800	898	894	199	1,210	960	634	262	383	294	12
13	93	500	20,400	919	872	326	1,160	947	505	263	349	286	13
14	93	412	15,300	916	867	759	1,140 *	990	392	254 *	331	279	14
15	90	332	10,700	933	873	985	1,110	1,060	336	247	326	274	15
16	92	307 *	7,600	1,020	867	1,020	1,080	1,080	285	251	311	275	16
17	89	345	6,270	4,140	859	992	1,050	1,090	241	254	292	282	17
18	87	498	8,490	21,900	844	824	1,020	1,100 *	218	256	293	265	18
19	88	536	9,610	32,300	815	637	976	1,090	193	266	279	253	19
20	92	520	8,580	30,600	774	497	896	1,050	188	275	271	261	20
21	97	503	6,420	26,200	709	409	744	1,040	188	313	294	269	21
22	109	486	7,280	21,900 *	635	367	672	1,100	179	340	348	284	22
23	118	468	9,080	17,900	599	347	581	1,100	171	325	367	303	23
24	124	413	6,420	14,900	521	454	448	991	169	309	386	316 *	24
25	134	389	4,330	12,600	463	834	398	937	171	297	421	319	25
26	139	392	3,280	10,800	468	1,010	393	918	169	291	441	329	26
27	131	398	2,620	9,270	418	2,590	391	919	175	279	457	333	27
28	127	497	2,100	7,730	389	8,970	344	970	201	264	393	341	28
29	125	2,030	1,750	5,110		6,760	315	1,040	256	260	418	329	29
30	121	18,400	1,480	3,150		4,770	317	1,080	272	280	451	314	30
31	116		1,410	2,220		3,750		1,070		296	485		31
MEAN	101	1,019	15,191	7,707	895	1,275	1,132	937	503	273	360	315	MEAN
MAX.	139	18,400	38,100	32,300	1,720	8,970	3,070	1,100	1,110	340	485	499	MAX.
MIN.	83.0	110	1,410	898	389	199	315	333	169	219	271	253	MIN.
AC. FT.	6224	60686	934056	473930	49747	78452	67369	57616	29962	16832	22136	18795	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
2508.1	40900	55.20	12	06	1730	82.0	39.66	10	08	1730	1815805

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

Station located on right bank 0.5 mi. upstream from Farmland Road 1.7 mi. NE of Meridian. Tributary to Sutter Bypass. Flow affected by gate operation. Flow during summer months is made up almost entirely of return water from lands irrigated by Feather River diversions. During flood periods, Sacramento River water enters Butte Basin above Butte City from bank spill and spill over Moulton and Colusa Weirs.

\# - Flood season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A05929	WADSWORTH CANAL NEAR SUTTER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	129	71	302	84	48	29	99	58	262	75	112	130	1
2	125	65	305	143	47	29	122	177	222	70	114	140	2
3	121	69	212	93	44	29	131	290	186	69	72	128	3
4	124	73	371	87	43	29	124	327	171	75	80	122	4
5	112	72	341	80	41	28	106	313	209	70	101	163	5
6	121	89	229	76	41	40	110	252	203	36	107	167	6
7	92	97	188	73	41	41	123	199	160	37	117	150	7
8	97 *	84	170 *	67	40	75	124	200	135	14	149	137	8
9	114	75	159	62	39	76	94	208	94 *	36	158	144	9
10	120	75	132	62	38	116 *	51	188	100	77	157	149	10
11	112	76	147	62	38 *	195	73	170	78	101	146 *	163	11
12	115	74	127	62	38	238	124	124	89	132	140	186	12
13	117	73	124	77	38	218	108	136	117	97	135	217	13
14	116	71	110	69	37	208	106 *	183	98	104 *	159	196	14
15	129	66	110	69	37	202	65	198	77	79	175	165	15
16	137	61 *	128	138	35	188	53	184	71	93	158	180	16
17	140	63	107	137	21	156	40	167 *	72	109	140	142	17
18	152	67	170 *	137 *	32	148	34	129	53	136	128	147	18
19	171	65	161	98	32	172	42	132	48	98	121	153	19
20	178	61	128	101	32	187	83	152	59	82	124	196	20
21	198	57	191	82	32	189	108	230	66	92	130	246	21
22	222	55	144	63	32	146	106	166	49	96	132	275	22
23	186	57	116	71	31	136	82	137	60	108	127	253	23
24	149	59	104	62	31	172	39	133	77	118	121	218 *	24
25	117	55	93	59	29	194	90	140	67	116	102	220	25
26	105	49	99	47	30	191	109	130	81	103	127	219	26
27	98	55	94	45	30	171	76	126	104	100	147	222	27
28	99	126	90	44	30	200	18	199	116	98	146	178	28
29	101	572	99	37		146	34	246	100	93	157	148	29
30	92	529	94	27		132	45	276	79	105	135	154	30
31	83		86	50		128		252		101	137		31
MEAN	128	102	159	76.3	36.0	136	84.0	188	110	87.7	131	177	MEAN
MAX.	222	572	371	143	48	238	131	327	262	136	175	275	MAX.
MIN.	83	49	86	27	21	28	18	58	48	14	72	122	MIN.
AC. FT.	7878	6071	9780	4689	1997	8348	4996	11550	6551	5395	8041	10530	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
118	NR					NR					85830

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

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

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

WATER YEAR	STATION NO.	STATION NAME
1971	A05921	STATE PUMPING PLANT 2 DRAINAGE TO SUTTER BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	43	16	181	0.0	30	99	0.0	95	220	132	166	217	1
2	48	21	281	58	31	100	0.0	167	198	129	179	223	2
3	48	24	216	58	31	103	0.0	215	176	121	193	227	3
4	51	21	204	51	28	102	0.0	230	176	122	186	217	4
5	51	30	208	31	21	104	0.0	228	167	127	180	205	5
6	51	28	190	28	0.0	104	0.0	202	138	106	183	215	6
7	56	24	173	36	0.0	100	0.0	172	105	94	180	221	7
8	50	26	173	24	18	89	0.0	171	127	93	181	207	8
9	43	40	173	0.0	13	59	0.0	183	71	80	184	207	9
10	48	36	171	0.0	24	36	0.0	182	84	72	174	233	10
11	58	24	128	47	54	0.0	0.0	173	91	91	173	221	11
12	51	21	117	66	75	0.0	16	189	112	104	169	199	12
13	48	28	118	54	85	35	14	186	116	112	170	200	13
14	50	31	104	57	82	19	31	167	118	136	186	202	14
15	48	38	96	48	72	0.5	48	155	119	136	200	165	15
16	48	40	54	0.0	60	0.0	41	147	96	137	215	163	16
17	48	32	144	0.0	57	2.1	16	144	85	139	209	169	17
18	48	21	99	65	56	0.0	31	144	85	134	206	126	18
19	50	23	145	82	64	0.0	26	145	101	132	194	108	19
20	54	21	121	90	76	0.0	21	155	105	137	207	115	20
21	53	26	105	90	80	0.0	31	234	105	133	212	126	21
22	38	30	106	86	88	0.0	28	253	114	128	256	133	22
23	24	30	100	76	92	11	14	122	104	145	253	127	23
24	30	28	99	74	92	42	16	162	101	178	215	103	24
25	30	32	0.0	67	96	50	26	180	108	180	223	80	25
26	21	28	67	58	98	0.0	24	206	110	188	216	71	26
27	21	28	60	65	98	0.0	34	241	123	155	217	59	27
28	21	71	60	59	100	0.0	35	198	124	143	221	60	28
29	18	284	60	54		0.0	35	265	120	154	214	59	29
30	18	243	50	0.0		0.0	56	283	120	153	206	53	30
31	16		46	65		0.0		278		149	208		31
MEAN	41.4	44.8	124	48.0	57.9	34.1	18.1	189	121	130	199	157	MEAN
MAX.	58	284	281	90	100	104	56	283	220	188	256	233	MAX.
MIN.	16	16	0.0	0.0	0.0	0.0	0.0	95	71	72	166	53	MIN.
AC. FT.	2543	2668	7634	2953	3215	2094	1077	11650	7178	8013	12250	9342	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
97.0	NR					0.0					70620

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

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

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

WATER YEAR	STATION NO.	STATION NAME
1971	A05922	RECLAMATION DISTRICT 1660 DRAINAGE TO SUTTER BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	9.5	5.7	0.0	0.0	0.0	0.0	0.0	0.0	37	3.0	0.0	0.0	1
2	8.4	5.7	0.0	0.0	0.0	0.0	0.0	0.0	41	3.1	0.0	0.0	2
3	7.6	5.2	0.0	0.0	0.0	0.0	0.0	14	37	3.2	0.0	0.0	3
4	7.9	5.2	0.0	0.0	0.0	0.0	0.0	22	36	3.5	0.0	0.0	4
5	8.2	6.3	0.0	0.0	0.0	0.0	0.0	23	37	3.3	0.0	0.0	5
6	7.9	3.3	0.0	0.0	0.0	0.0	0.0	3.8	41	14	0.0	0.0	6
7	7.1	8.6	0.0	0.0	0.0	0.0	0.0	21	21	2.7	0.0	0.0	7
8	8.4	6.8	0.0	0.0	0.0	0.0	0.0	24	5.0	4.2	0.0	0.0	8
9	8.2	3.3	0.0	0.0	0.0	0.0	0.0	30	6.8	5.9	0.0	0.0	9
10	5.7	7.3	0.0	0.0	0.0	0.0	0.0	27	9.7	2.5	0.0	0.0	10
11	5.7	7.3	0.0	0.0	0.0	0.0	0.0	12	11	0.0	0.0	0.0	11
12	5.4	0.0	0.0	0.0	0.0	0.0	0.0	10	11	0.0	0.0	0.0	12
13	5.2	0.0	0.0	0.0	0.0	0.0	0.0	13	14	0.0	0.0	0.0	13
14	5.4	0.0	0.0	0.0	0.0	0.0	0.0	25	6.5	0.0	0.0	0.0	14
15	5.4	0.0	0.0	0.0	0.0	0.0	0.0	29	7.6	0.0	0.0	0.0	15
16	4.1	0.0	0.0	0.0	0.0	0.0	0.0	27	7.7	0.0	0.0	0.0	16
17	4.6	0.0	0.0	0.0	0.0	0.0	0.0	26	8.9	0.0	0.0	0.0	17
18	4.9	0.0	0.0	0.0	0.0	0.0	0.0	24	8.7	0.0	0.0	0.0	18
19	4.9	0.0	0.0	0.0	0.0	0.0	0.0	46	2.0	0.0	0.0	0.0	19
20	5.2	0.0	0.0	0.0	0.0	0.0	0.0	23	2.5	0.0	0.0	0.0	20
21	7.1	0.0	0.0	0.0	0.0	0.0	0.0	29	2.5	0.0	0.0	0.0	21
22	5.4	0.0	0.0	0.0	0.0	0.0	0.0	38	5.9	0.0	0.0	0.0	22
23	4.9	0.0	0.0	0.0	0.0	0.0	0.0	32	5.7	0.0	0.0	0.0	23
24	7.1	0.0	0.0	0.0	0.0	0.0	0.0	32	5.7	0.0	0.0	0.0	24
25	6.5	0.0	0.0	0.0	0.0	0.0	0.0	24	3.6	0.0	0.0	0.0	25
26	5.4	0.0	0.0	0.0	0.0	0.0	0.0	26	3.8	0.0	0.0	0.0	26
27	4.6	0.0	0.0	0.0	0.0	0.0	0.0	13	3.9	0.0	0.0	17	27
28	5.4	0.0	0.0	0.0	0.0	0.0	0.0	27	8.1	0.0	0.0	8.2	28
29	5.2	0.0	0.0	0.0		0.0	0.0	38	5.2	0.0	0.0	1.3	29
30	5.2	0.0	0.0	0.0		0.0	0.0	48	9.3	0.0	0.0	2.2	30
31	5.4		0.0	0.0		0.0		42		0.0	0.0		31
MEAN	6.2	2.2	0.0	0.0	0.0	0.0	0.0	24.2	13.5	1.5	0.0	1.0	MEAN
MAX.	9.5	8.6	0.0	0.0	0.0	0.0	0.0	48	41	14	0.0	17	MAX.
MIN.	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	MIN.
AC. FT.	381	128	0.0	0.0	0.0	0.0	0.0	1485	804	90	0.0	57	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
4.0	NR					0.0					2945

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

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

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

WATER YEAR	STATION NO.	STATION NAME
1971	A02963	RECLAMATION DISTRICT 1660 DRAINAGE TO TISDALE BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	90	48	43	3.2	20	25	63	25	48	34	1
2	0.0	0.0	90	47	42	14	22	47	87	15	46	41	2
3	0.0	0.0	92	49	32	5.9	23	64	51	24	45	39	3
4	0.0	0.0	138	44	34	6.4	22	57	55	46	34	38	4
5	0.0	0.0	95	42	35	17	21	48	46	27	39	33	5
6	0.0	0.0	88	36	32	6.4	21	43	38	51	38	37	6
7	0.0	0.0	110	27	29	6.6	7.3	37	31	22	37	21	7
8	0.0	0.0	88	32	31	6.7	0.0	64	31	24	37	22	8
9	0.0	0.0	88	32	15	6.7	0.0	73	38	13	36	25	9
10	0.0	0.0	88	36	23	6.6	0.0	64	28	13	36	36	10
11	0.0	0.0	88	31	24	6.6	0.0	64	33	11	36	32	11
12	0.0	0.0	88	31	24	6.6	0.0	42	40	17	39	29	12
13	0.0	26	88	33	22	31	16	65	30	12	39	19	13
14	0.0	23	92	32	25	23	21	66	25	11	39	63	14
15	0.0	19	64	32	19	5.0	33	63	40	11	40	45	15
16	0.0	20	92	61	12	10	18	59	39	38	46	26	16
17	0.0	20	70	57	23	17	24	45	29	56	44	28	17
18	0.0	20	43	71	20	14	27	59	30	60	38	29	18
19	0.0	20	92	80	21	18	27	17	19	35	46	28	19
20	0.0	21	90	74	20	14	30	30	20	31	46	27	20
21	0.0	22	77	75	24	21	24	31	27	19	45	26	21
22	0.0	21	82	68	26	23	7.2	50	28	32	44	25	22
23	0.0	22	69	64	15	33	3.0	35	19	36	41	24	23
24	0.0	21	71	58	18	22	0.0	28	33	35	65	24	24
25	0.0	20	60	63	21	29	0.0	30	19	35	59	23	25
26	0.0	21	58	57	2.5	21	0.0	31	29	39	59	21	26
27	0.0	21	57	54	5.5	38	0.0	21	37	35	56	20	27
28	0.0	31	49	58	13	16	11	37	31	36	56	15 *	28
29	0.0	63	56	47		17	15	54	31	36	52	35	29
30	0.0	129	50	47		20	12	78	36	36	51	28	30
31	0.0		47	48		20		57		36	52		31
MEAN	0.0	18.0	79.0	49.5	23.2	15.6	13.5	47.9	35.4	29.6	44.8	29.8	MEAN
MAX.	0.0	129	138	80	43	38	33	78	87	60	65	63	MAX.
MIN.	0.0	0.0	43	27	2.5	3.2	0.0	17	19	11	34	15	MIN.
AC. FT.	0.0	1071	4860	3043	1291	961	802	2943	2108	1819	2755	1771	AC. FT.

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

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
32.2	NR					0.0					23420

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

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

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

WATER YEAR	STATION NO.	STATION NAME
1971	A02926	RECLAMATION DISTRICT 1500 DRAINAGE TO SACRAMENTO SLOUGH

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	64	0.0	623	329	180	61	0.0	277	476	337	235	386	1
2	36	48	753	229	173	53	138	387	464	341	300	303	2
3	73	0.0	608	213	155	45	54	470	332	293	259	317	3
4	0.0	48	684	202	136	59	140	356	336	259	312	261	4
5	85	0.0	480	198	152	51	140	568	293	294	350	296	5
6	0.0	60	455	190	125	45	117	405	274	294	312	323	6
7	85	0.0	393	180	141	55	141	357	271	241	201	304	7
8	0.0	53	416	172	134	41	141	361	273	279	263	316	8
9	60	0.0	356	165	119	57	125	390	270	263	321	399	9
10	30	53	334	142	103	69	32	361	276	247	324	416	10
11	0.0	0.0	262	166	96	37	182	348	281	272	324	538	11
12	48	55	359	150	104	39	111	369	284	242	304	522	12
13	0.0	0.0	292	153	104	105	63	365	279	261	323	365	13
14	54	47	270	149	104	64	143	339	287	251	335	415	14
15	0.0	0.0	384	149	104	154	95	321	353	238	286	336	15
16	48	48	371	172	96	0.0	127	344	330	249	302	312	16
17	0.0	24	330	187	96	71	159	316	387	247	335	187	17
18	24	0.0	376	216	89	0.0	203	252	395	263	290	233	18
19	48	52	394	240	97	44	151	232	371	247	344	152	19
20	0.0	45	522	235	89	0.0	196	241	390	268	392	138	20
21	24	0.0	467	236	48	76	108	365	375	263	351	160	21
22	48	0.0	400	237	42	0.0	178	347	358	251	372	136	22
23	0.0	39	313	238	46	68	222	286	401	264	375	152	23
24	55	0.0	296	317	52	62	247	302	405	256	424	131	24
25	0.0	39	288	223	57	68	301	392	420	214	446	117	25
26	55	0.0	190	230	49	75	172	426	425	268	417	102	26
27	0.0	45	230	228	53	70	239	417	488	272	559	104	27
28	48	56	247	218	53	68	226	512	471	268	357	160	28
29	0.0	716	240	218		135	276	566	451	301	406	123	29
30	48	357	209	208		176	285	554	421	346	377	106	30
31	0.0		216	190		45		358		243	387		31
MEAN	30.1	59.5	379	206	99.9	61.1	157	374	362	269	341	260	MEAN
MAX.	85	716	753	329	180	176	301	568	488	346	559	538	MAX.
MIN.	0.0	0.0	190	142	42.0	0.0	0.0	232	270	214	201	102	MIN.
AC. FT.	1851	3540	23320	12650	5548	3755	9346	22980	21510	16530	20990	15490	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
217	NR					0.0					157300

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

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

8 - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A02925	SACRAMENTO SLOUGH AT SACRAMENTO RIVER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	337	220	F	F	F	636	F	656	1990	740	612	1110	1
2	369	237	F	F	F	617	F	866	1940	789	672	1120	2
3	382	244	F	F	F	571	F	1200	1850	713	724	1120	3
4	342	282	F	F	F	575	F	1460	2000	630	659	1130	4
5	397	275	F	F	F	534	F	1640	1860	662	670	1070	5
6	334	358	F	F	3510	329	F	1590	1700	654	692	1010	6
7	375	387	F	2940	3070	526	F	1560	1640	615	736	1020	7
8	284	609	F	2530	2640	524	F	1620	1570	569	731	1000	8
9	329 *	795	F	2200	2190	268	2320	1620	1380	486	784	956	9
10	288	783	F	1870	1760	279	2470	1610	1250	446	854	1020	10
11	283	695	F	1690	1560	252	2200	1500	1150	452	833	1140	11
12	305	936	F	989	1380	362	1940	1620	1100	485	756	1310	12
13	306	870	F	880	1370	728	1670	1620	1070	580	745 *	1040	13
14	329	798	F	1220	1270	0.0	1900	1480	1010 *	577	772	1060	14
15	297	565	F	1630	1260	988	1550 *	1580	919	522 *	860	1090	15
16	310	511	F	1310	1180 *	1610	1410	1620	845	521	869	976	16
17	241	413 *	F	F	1150	1580	1490	1670	773	517	895	971	17
18	256	374	F	F	1140	1750	1740	1660	727	577	870	920	18
19	273	451	F	F	1080	1540	1590	1700 *	699	607	830	884	19
20	279	640	F	F	1070	1270	1500	1720	682	583	791	771	20
21	333	687	F	F	1060	1100	1300	1730	670	593	829	773	21
22	340	668	F	F	974	937	1290	1780	662	495	867	774	22
23	313	713	F	F	880	873	1180	1750	634	634	983	882	23
24	366	678	F	F	821	788	1040	1670	634	669	993	836	24
25	295	715	F	F	795	563	939	1580	655	683	977	814	25
26	316	537	F	F	705	0.0	934	1570	614	670	1060	768	26
27	258	662	F	F	688	F	899	1510	636	604	1090	766 *	27
28	291	804	F	F	671	F	876	1540	743	574	1080	772	28
29	264	0.0	F	F		F	787	1470	833	570	1110	752	29
30	276	F	F	F		F	606	1560	819	579	1040	709	30
31	250		F	F		F		1860		545	1040		31
MEAN	310	NR	NR	NR	NR	NR	NR	1549	1102	592	853	952	MEAN
MAX.	397	NR	NR	NR	NR	NR	NR	1860	2000	789	1110	1310	MAX.
MIN.	241	NR	NR	NR	NR	NR	NR	656	614	446	612	709	MIN.
AC. FT.	19080	NR	NR	NR	NR	NR	NR	95230	65560	36380	52420	56660	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

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

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

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

ABLE B-5 (Cont.)

AILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1971	A55420	FEATHER RIVER,MIDDLE FORK,NEAR PORTOLA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	13 *	38	167	98	417	220 *	909	720	1,110	201	44	21 *	1
2	14	38	147	98	405	210	788	739	1,150	205	40	22	2
3	14	38	180	90	395	179 *	680	879	1,100	202	36	21	3
4	15	38	351	71	297	237	619	1,050	966	187	32	19	4
5	15	48	201	62	171	294	592	1,170	832	165	30	16	5
6	15	60	140	55	185	325	604	1,200	751	139 *	28 *	18	6
7	15 *	71	154	52 *	231	304	655	1,150	691	127	27	19	7
8	15	87	248 *	56	236	293	758	1,290	624	118	29	15	8
9	16	102	500	59	238	343	752	1,590	544	109	29	13	9
10	17	97	764	65	186 *	400	858	1,780 *	507	95	29	15	10
11	18	85	821	76	182 *	490	901	1,580	461	85	28	15	11
12	19	91	514	77	208	919	915	1,440	356	80	27	14	12
13	19	92 *	270	64	254	1,520	911	1,310	345	77	25	13	13
14	20	95	193	51	301	3,020	955	1,260	335	73	22	13	14
15	20	92	114	134	371	2,210 *	921 *	1,200	317 *	71	19	14	15
16	21 *	80	79	344	466	1,600	918	1,140	295	65	20	14	16
17	23	70	75	262	573	1,700	952	1,110	270	63	19 *	15	17
18	24	64	75	281	555	1,460	988	1,070	246	64	19	14	18
19	24	62	75	298	469	1,470	975	988	217	60	17	13	19
20	27 *	60	75	317	431	1,360	910	853	186	59	15	13	20
21	28	58	90	337	415	1,450	865	800	162	60	15	13	21
22	32	58	94	395	357	1,520	830	809	149	57	16	12	22
23	38	57	97	563	334	1,740	783	831	141	55	22	13	23
24	39	59 *	92	687	334	2,650	731	837	130	52	20	16	24
25	40	79	90	676 *	331	2,100	723	797 *	123	50	29	16	25
26	42	102	94	627	347	3,600	849	721	139	50	28	17	26
27	40	166	95	582	339	6,050	906	697	162	48	28	20	27
28	38	264	96	542	264	3,380	880 *	706	179	47 *	24	23	28
29	37	294	100 *	506		1,770 *	802	735	198 *	45	23	23 *	29
30	37	254	98	469		1,230	742	835	198	47	22	28	30
31	38		97	437		1,030		1,040		46	20		31
MEAN	24.9	93.3	199	272	331	1,454	822	1,042	429	90.4	25.2	16.6	MEAN
MAX.	42.0	294	821	687	573	6,050	988	1,780	1,150	205	44.0	28.0	MAX.
MIN.	13.0	38.0	75.0	51.0	171	179	592	697	123	45.0	15.0	12.0	MIN.
AC. FT.	1533	5552	12270	16723	18430	89403	48936	64120	25555	5558	1551	988	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
401.4	6580	9.64	03	27	0645	12.0	1.99	09	13	2300	290618

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

Station located south of State Highway 70, 1.8 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
1971	A54455	RED CLOVER CREEK ABOVE ABBEY BRIDGE DAMSITE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.7	1.4	2.6	8.6	70	47	415	239	300 *	23	4.5	2.2*	1
2	1.9*	1.6	1.6	8.7	71	45	422	248	291	21	4.3	2.3	2
3	1.7	1.6	0.5	8.5	67	41 *	431	331	306	19	4.0	2.4	3
4	1.7	2.4	6.2	11	62	33	442	404	272	18	3.8	2.3	4
5	1.9	7.6	17	14	60	32	464	345	265	17	3.7	2.4	5
6	2.0	7.3	20	14 *	58	32	483 *	309	209	16 *	3.6*	2.4	6
7	2.1*	5.7	21	14	62	27	434	282	179	15	3.5	2.3	7
8	2.1	2.5	31	14	59 *	27	379	447	159 *	14	3.4	2.4	8
9	2.4	3.1	41 *	14	58	28	391	358	143	14	3.3	2.4	9
10	2.3	7.7*	31	17	53	29	498	318 *	132	14	3.4	2.2	10
11	2.0	3.9	25	22	69	38	341	326	120	13	3.3	2.1	11
12	1.8	8.5	17	32	84	101	325	393	108	13	3.2	2.0	12
13	1.9	4.9	12	51	95	133	330	328	101	13	3.1	2.0	13
14	1.9	3.0	10	61	105	111	334	295	90	12	2.9	2.1	14
15	1.9	2.2	8.4	55	116	85	348	257	81	12	2.9	1.9	15
16	1.8	1.6	4.8	59	119	88	344	228	74	11	2.6	1.9	16
17	1.9	1.5	7.8	86	91	99	360	195	68	12	2.6	2.2	17
18	2.1	1.3	8.7	178	76	81	286	170	62	15	2.4	2.0	18
19	2.3	1.1	7.4	232	73	77	236	148	57	12	2.6	2.3	19
20	2.6	0.9	7.0	250	69	95	231	136 *	54	5.7	2.6	2.4	20
21	2.5	1.2	8.1	239	67	136	211	165	48	4.5	2.6	2.4	21
22	2.8	1.2	7.8	197	55	196	183	228	42	7.0	2.4	2.9	22
23	3.3	1.2	6.9	157	48	480	170	201	37	7.3	2.4	5.2	23
24	4.1	1.0	6.5	132	46	527	161	157	33 *	7.1	2.4	4.4	24
25	2.5	14	7.4	108	51	483	175	142	30	6.7	2.4	3.1	25
26	2.0	16	8.9	90	51	1,150	276	135	42	6.6	2.4	3.2	26
27	1.5	8.0	9.8	81	51	707	212	147	60	6.2	2.5	3.6	27
28	1.6	5.6	9.4	75	47	555	207	161	37	5.8	2.5	3.2	28
29	1.4	7.8	6.4	71		554	218	176	30	5.5	2.6	3.7	29
30	1.5	5.8	11	69		622	224	210	26	5.0	2.5	5.0	30
31	1.6		9.3	70		485		270		4.8	2.4		31
MEAN	2.1	4.4	12.0	78.7	69.0	230	317	250	115	11.5	3.0	2.7	MEAN
MAX.	4.1	16.0	41.0	250	119	1,150	498	447	306	23.0	4.5	5.2	MAX.
MIN.	0.7	0.9	0.5	8.5	46.0	27.0	161	135	26.0	4.5	2.4	1.9	MIN.
AC. FT.	127	261	737	4837	3834	14170	18904	15370	6855	707	184	160	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
91.4	1320	9.20	03	26	0830	0.0	2.57	12	03	0445	66146

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

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

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1971	454750	LAST CHANCE CREEK AT DIXIE REFUGE DAMSITE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.7	0.5	5.4	22	15	107	101	208	7.6	1.4	0.2*	1
2	0.0	1.0	1.8	5.4	24	14	113	110	186	6.5	1.4	0.2	2
3	0.1	1.0	0.1	3.9	22	13 *	114	190	166	6.2	1.3	0.2	3
4	0.1	1.1	0.5	2.9	22	10	118	249	183	6.1	1.3	0.2	4
5	0.1	2.6	1.2	2.4	21	7.7	122	183 *	164	5.7	1.1	0.2	5
6	0.1	2.4	20	2.2*	21	7.2	126 *	159	122	5.1*	1.1*	0.2	6
7	0.1*	1.9	14	2.2	18	5.9	118	148	102	4.8	1.0	0.2	7
8	0.1	1.4	11	2.2	16 *	8.1	100	277	89 *	4.3	1.0	0.2	8
9	0.2	1.6	12 *	1.9	14	8.8	106	189	80	3.9	1.0	0.2	9
10	0.2	2.3*	10	3.7	18	8.4	134	163	72	3.7	1.0	0.2	10
11	0.2	2.1	7.1	11	27	17	92	177	63	3.7	1.0	0.2	11
12	0.2	2.6	6.3	24	32	37	89	187	58	3.5	0.7	0.2	12
13	0.1	1.6	7.3	42	38	41	95	163	52	3.2	0.7	0.2	13
14	0.2	1.4	5.4	49	38	22	104	145	47	3.2	0.7	0.2	14
15	0.2	1.2	3.6	53	43	16	104	128	42	2.7	0.7	0.2	15
16	0.4	0.7	2.9	62	30	20	101	113	37	2.7	0.7	0.2	16
17	0.5	0.7	4.2	56	23	24	116	97	33	2.7	0.4	0.2	17
18	0.7	0.7	3.7	254	22	20	97	82	28	3.3	0.4	0.2	18
19	0.7	0.6	3.6	282	14	22	76	70	25	3.5	0.4	0.4	19
20	0.8	0.4	3.2	185	13	30	70	66	22	3.2	0.4	0.4	20
21	0.8	0.4	5.0	103	14	45	70	92	19	3.0	0.4	0.4	21
22	0.9	0.6	4.8	62	13	71	60	220	16	2.2	0.4	0.4	22
23	1.0	0.4	3.8	44	11	183	56	152	14	2.0	0.2	0.4	23
24	1.0	0.2	3.6	32	12	151	57	118	12 *	1.8	0.2	0.4	24
25	0.9	5.1	3.2	24	13	139	69	102	10	1.7	0.2	0.2	25
26	0.7	4.1	2.9	20	13	346	191	86	20	1.6	0.2	0.4	26
27	0.7	1.2	2.7	19	10	179	116	132	26	1.6	0.2	0.4	27
28	0.7	0.9	2.9	19	12	150	96	126	15	1.4	0.2	0.4	28
29	0.7	1.1	8.0	19		166	93	162	11	1.3	0.2	0.7	29
30	0.7	0.7	8.5	20		174	94	177	8.7	1.2	0.2	0.7	30
31	0.7		7.2	22		121		205		1.2	0.2		31
MEAN	0.4	1.4	5.5	46.3	20.6	66.8	100	147	64.4	3.4	0.7	0.3	MEAN
MAX.	1.0	5.1	20.0	282	43.0	346	191	277	208	7.6	1.4	0.7	MAX.
MIN.	0.0	0.2	0.1	1.9	10.0	5.9	56.0	66.0	8.7	1.2	0.2	0.2	MIN.
AC. FT.	27	85	339	2847	1142	4110	5958	9062	3829	207	40	17	AC. FT.

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

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
38.2	435	2.73	05	22	1745	0.0	0.96	10	01	0700	27666

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 05 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.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1971	A54370	INDIAN CREEK NEAR TAYLORSVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	44 *	65	206	159	407	273	1,860	1,580	2,360	484	214	163	1
2	43	63	241	151	390	245 *	1,870	1,640	2,240	460	207	157	2
3	43	61	205	115	370	277	1,910	2,080	2,200	397	202	157	3
4	44	60	337	137	363	286	1,990	2,600	2,020	338	196	157	4
5	44	116	270	140	362	272	2,100	2,520 *	2,120	326	193	157	5
6	44 *	125	268	155	347	255	2,310	2,230	1,900	326	191	154	6
7	44	115	310	155	334	262	2,250	2,050	1,800	370	186	157	7
8	45	96	376	146	326	261	1,960	2,540	1,720	342	184	157	8
9	45	101	465	146	317	261	2,060	2,390	1,640	329	184	157	9
10	44	126	365 *	164	323	268	2,550	2,270	1,540	322	180	155 *	10
11	39	111	314	198	347	276	1,970	2,300	1,460	314	180	158	11
12	36	131	253	197 *	408	806	1,840	2,660	1,370	306	177	158	12
13	34	113	220	199	479	1,040	1,890	2,480 *	1,290	295	175	157	13
14	34	97	205	208	546	804	1,870	2,330	1,200	288	171	155	14
15	34	88	186	195	594	645 *	2,020	2,200	1,140	284	170	152	15
16	35	83	182	203	625	579	2,040	2,080	1,100	273	168	152	16
17	35	82 *	170	310	605	617	2,090	1,820	1,060	267	168	152	17
18	37	90	165	796	538	539	1,810	1,620	984	280	166	149	18
19	38	88	157	1,110	504	508	1,540	1,510	914	276	168 *	149	19
20	41	84	152	1,110	446	548	1,490	1,480	862	276	163	154	20
21	45	83	159	992	424	654	1,390	1,600	796	273	163	154	21
22	49	83	150	865	412	819	1,230	1,660	702	259	165	154	22
23	54	85	139	752	390	1,550	1,130	1,910	644	248	165	150	23
24	71	84	134	658	359	2,200	1,060	1,670	598	241	163	152	24
25	83	275	120	569	363	2,160	1,040	1,680	547	235	165	149	25
26	83	330	141	508	320	4,630	1,450	1,690	743	233	170	152	26
27	78	213	153	464	300	3,300	1,450	1,670	884	227	180	152	27
28	74	205	151	438	295	2,550	1,350 *	1,850	731	225	170	144	28
29	70	214	160	426		2,380 *	1,430	1,920	613 *	225 *	166	157	29
30	69	207	149	420		2,640	1,490	2,160	519	219	164	166	30
31	67		155	417		2,320		2,270		217	165		31
MEAN	49.9	122	214	403	410	1,104	1,748	2,014	1,256	295	176	154	MEAN
MAX.	83.0	330	465	1,110	625	4,630	2,550	2,660	2,360	484	214	166	MAX.
MIN.	34.0	60.0	120	115	295	245	1,040	1,480	519	217	163	144	MIN.
AC. FT.	3066	7287	13206	24799	22798	67884	104013	123888	74771	18159	10867	9197	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
662.9	5610	11.90	03	26	0930	34.0	4.15	10	13	1215	479936

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

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

⊕ - Maintained by watermaster service for irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A52250	FEATHER RIVER, WEST BRANCH, NEAR PARADISE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.1	1.6	517	222	304	208	760	588	468	144	5.8	7.7	1
2	1.1	1.6	824	208	322	202	715	588	398	124	5.1	1.1	2
3	1.1	1.6	806	170	295	198	695	588	377	104	4.0	0.9	3
4	1.1	32	1,760	156	271	196	735	568	394	105	3.4	0.9	4
5	1.3	789	845	146	253	172	775	600	436	95	2.6	0.9	5
6	1.3	280	695	137	242	140	790	588	484	82	4.2	0.9	6
7	1.3	289	616	131	230	137	740	620	548	70	4.4	0.9	7
8	1.4	131	848	130	225	162	655	670	564	56	4.4	0.9	8
9	1.4	643	952	128	218	174	653	612	556	56	4.2	0.9	9
10	1.4	450	560	200	215	160	990	765	556	47	2.6	0.9	10
11	1.4	220	419	367	265	154	730	805	452	43	1.7	0.9	11
12	1.4	295	340	286	370	2,480	670	1,000	430	36	1.7	0.9	12
13	1.4	118	286	245	398	1,350	670	996	380	30	1.7	0.9	13
14	1.3	77	242	253	384	770	660	930	380	28	1.6	0.9	14
15	1.4	58	246	323	367	588	730	905	374	26	1.9	0.9	15
16	1.4	44	331	597	358	500	750	850	388	26	1.7	0.8	16
17	1.4	27	283	900	328	472	828	705	364	24	1.6	0.8	17
18	1.6	20	248	890	292	394	632	655	361	23	4.2	0.7	18
19	2.6	16	218	825	316	361	568	680	374	23	5.1	0.7	19
20	62	13	208	695	256	361	600	715	361	21	5.1	0.8	20
21	54	13	242	608	238	361	516	700	331	18	5.1	0.8	21
22	76	12	205	472	242	361	456	580	310	17	5.1	0.8	22
23	102	14	184	398	245	1,180	426	685	274	15	5.1	0.8	23
24	143	20	166	355	232	1,230	398	765	245	12	5.1	0.8	24
25	52	521	140	322	222	1,640	380	815	194	13	1.9	0.9	25
26	39	308	146	301	218	4,420	367	915	403	11	1.4	0.9	26
27	30	240	150	295	222	1,820	364	755	453	10	1.3	1.7	27
28	20	627	231	289	208	1,310	416	685	262	9.4	1.4	1.3	28
29	20	790	670	286		1,110	492	596	205	7.2	1.4	1.8	29
30	17	808	343	289		1,000	552	588	184	7.2	1.4	23	30
31	2.8		259	301		850		508		6.9	14		31
MEAN	20.8	229	451	352	276	789	624	710	384	41.6	3.55	1.90	MEAN
MAX.	143	808	1,760	900	398	4,420	990	1,000	564	144	14	23	MAX.
MIN.	1.1	1.6	140	128	208	137	364	508	184	6.9	1.3	0.7	MIN.
AC. FT.	1,280	13,610	27,730	21,670	15,340	48,520	37,120	43,680	22,820	2,560	219	113	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
324	6,990	13.62	3	26	0330	0.7		9	18		234,700

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 47 15	121 33 40	SE 6 22N 4E	26,300	26.2	12-22-1964	OCT 1957-DATE	OCT 1957-DATE	1957		0.00	LOCAL

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

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

WATER YEAR	STATION NO.	STATION NAME
1971	A55100	FEATHER RIVER, MIDDLE FORK, NEAR MERRIMAC

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	153	247	1,910	921	1,810	1,210	4,230	3,390	3,770	1,680	435	272	1
2	152	247	2,110	870	1,790	1,130	3,920	3,610	3,600	1,600	421	271	2
3	152	245	1,630	783	1,750	1,140	3,670	3,940	3,540	1,500	409	264	3
4	154	364	2,450	757	1,700	1,130	3,580	4,170	3,520	1,410	392	264	4
5	157	1,310	2,110	744	1,540	1,150	3,640	4,300	3,580	1,330	385	260	5
6	159	1,100	1,860	724	1,400	1,160	3,880	4,340	3,770	1,260	377	256	6
7	156	1,100	1,890	721	1,400	1,190	3,940	4,270	3,970	1,170	370	250	7
8	156	758	2,670	698	1,400	1,160	3,770	5,100	4,010	1,110	360	248	8
9	166	1,390	3,300	699	1,400	1,170	3,710	5,020	3,890	1,040	353	248	9
10	168	1,660	2,550	828	1,390	1,240	4,730	5,540	3,730	993	352	240	10
11	171	1,050	2,330	1,200	1,520	1,360	4,140	5,750	3,620	922	345	236	11
12	142	1,460	2,050	1,120	1,710	5,420	3,910	5,740	3,490	869	342	232	12
13	142	935	1,590	1,020	1,940	5,800	3,850	5,810	3,290	819	330	232	13
14	162	734	1,390	1,060	2,120	5,190	3,920	5,710	3,180	784	321	224	14
15	170	636	1,280	1,040	2,250	4,870	4,170	5,590	3,130	761	320	216	15
16	171	579	1,340	1,160	2,250	3,780	4,370	5,400	3,160	742	312	208	16
17	173	531	1,200	2,210	2,200	3,570	4,580	4,820	3,080	712	305	204	17
18	180	490	1,070	3,550	2,150	3,470	4,050	4,490	2,900	711	300	200	18
19	191	461	985	3,600	2,000	3,030	3,750	4,580	2,760	694	297	200	19
20	261	435	969	3,330	1,950	3,010	3,640	4,540	2,670	659	289	208	20
21	283	418	983	2,910	1,900	3,070	3,390	4,400	2,480	635	285	212	21
22	330	408	928	2,510	1,750	3,230	3,110	3,960	2,300	611	281	212	22
23	443	409	870	2,320	1,650	5,020	2,950	4,080	2,160	577	280	212	23
24	551	475	831	2,290	1,550	6,310	2,780	4,500	2,000	553	280	212	24
25	349	2,650	791	2,210	1,540	6,580	2,620	4,850	1,850	532	281	212	25
26	286	2,620	805	2,090	1,390	13,500	2,660	5,280	3,180	509	281	224	26
27	266	1,530	826	2,000	1,390	11,900	2,720	4,690	3,520	492	281	248	27
28	258	1,590	867	1,940	1,340	9,000	2,860	4,400	2,350	477	281	260	28
29	252	1,960	1,160	1,880		6,340	3,010	4,030	1,950	461	278	297	29
30	249	2,020	1,050	1,850		5,450	3,160	3,980	1,780	446	270	426	30
31	244		963	1,820		4,800		3,970		439	270		31
MEAN	221	994	1,508	1,640	1,721	4,077	3,624	4,653	3,074	855	325	242	MEAN
MAX.	551	2,650	3,300	3,600	2,250	13,500	4,730	5,810	4,010	1,680	435	426	MAX.
MIN.	142	245	791	698	1,340	1,130	2,620	3,390	1,780	439	270	200	MIN.
AC. FT.	13,580	59,130	92,740	100,900	95,570	250,700	215,600	286,100	182,900	52,560	20,000	14,380	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
1,912	15,700	14.11	3	26	1100	142		10	12		1,384,000

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

Station located 400 feet from bridge on Milsap Bar Road, 500 feet downstream from Little North Fork, 4.5 miles southeast of Merrimac, and 20 miles northeast of Oroville. 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
1971	A56080	FEATHER RIVER, SOUTH FORK, AT PONDEROSA DAM

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	42	89	632	460	438	394	568	427	330	310	175	173	1
2	100	84	882	432	438	213	562	422	335	310	177	178	2
3	102	86	669	416	438	171	538	427	394	305	177	179	3
4	95	89	1,340	410	438	350	520	454	366	305	176	173	4
5	101	90	672	405	432	366	514	449	350	305	178	167	5
6	105	94	532	378	427	361	496	416	340	300	178	164	6
7	103	251	508	378	422	356	496	405	335	129	179	159	7
8	103	231	520	378	422	350	478	405	330	74	176	166	8
9	99	236	612	366	422	350	472	405	330	171	173	169	9
10	99	308	526	378	422	350	544	405	335	175	171	177	10
11	86	262	502	550	432	361	502	400	320	173	165	175	11
12	82	276	466	568	432	837	466	405	325	167	163	174	12
13	91	267	432	450	432	773	460	410	315	167	167	170	13
14	97	258	405	475	432	632	460	405	315	174	176	170	14
15	98	249	271	550	438	568	449	356	320	170	173	172	15
16	100	227	295	532	438	520	454	361	320	172	164	171	16
17	104	218	478	632	438	508	466	528	325	173	173	175	17
18	103	376	490	652	432	484	454	626	310	164	172	173	18
19	100	515	422	652	444	472	444	606	295	156	171	169	19
20	110	395	416	606	432	449	444	612	295	168	176	161	20
21	108	211	460	568	432	422	438	528	295	174	173	167	21
22	107	200	432	538	427	416	427	335	280	171	173	173	22
23	109	214	422	514	422	387	422	340	270	170	171	174	23
24	104	246	405	502	416	580	422	320	300	170	170	174	24
25	103	416	405	484	405	774	416	320	310	174	172	174	25
26	106	432	383	472	405	2,200	416	330	325	167	177	176	26
27	105	400	400	460	405	1,150	410	330	320	165	175	175	27
28	107	600	416	449	400	902	416	345	310	173	174	175	28
29	108	544	448	444		780	416	356	310	173	171	173	29
30	98	561	538	444		690	422	309	310	172	172	173	30
31	89		508	444		645		345		176	176		31
MEAN	98.8	281	512	483	427	575	466	412	320	192	173	172	MEAN
MAX.	109	600	1,340	652	444	2,200	568	626	394	310	179	179	MAX.
MIN.	82	84	271	366	400	171	410	309	270	74	163	159	MIN.
AC. FT.	6,080	16,710	31,510	29,730	23,720	35,330	27,750	25,350	19,070	11,810	10,640	10,210	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
342	3,010		3	26	0800						247,900

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

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

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

WATER YEAR	STATION NO.	STATION NAME
1971	A56911	PALERMO CANAL AT OROVILLE DAM

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	21	4.6	3.6	5.1	5.2	4.8	5.6	12	22	22	21	20	1
2	20	4.6	5.0	5.2	5.2	4.6	5.5	12	22	22	21	20	2
3	20	4.4	5.0	5.1	5.2	4.6	5.5	12	22	22	21	20	3
4	20	4.4	5.0	5.1	5.2	4.7	5.4	12	22	22	21	20	4
5	20	4.3	5.0	5.0	5.2	4.6	5.5	12	22	22	21	20	5
6	20	4.4	5.0	5.1	5.2	4.7	5.5	12	22	22	21	20	6
7	21	4.4	5.0	5.1	5.2	4.7	5.4	12	22	22	21	20	7
8	20	4.4	5.1	5.1	5.3	4.7	5.5	11	22	22	21	20	8
9	20	4.4	5.0	5.1	5.3	4.7	5.5	11	22	22	21	20	9
10	20	4.4	5.0	5.2	5.2	4.7	5.5	11	22	21	21	20	10
11	20	4.5	5.1	5.2	5.2	4.7	5.5	11	22	21	21	20	11
12	20	4.5	5.0	5.2	5.2	4.7	5.6	11	22	21	21	20	12
13	20	4.5	5.0	5.2	5.3	4.8	5.5	12	22	21	21	20	13
14	20	4.6	5.0	5.1	5.3	4.8	5.6	12	22	21	21	20	14
15	20	4.6	5.0	5.1	5.3	4.8	5.6	12	22	21	21	20	15
16	20	4.6	5.1	5.1	4.9	4.8	5.6	12	22	21	21	20	16
17	20	4.6	5.0	5.1	4.5	5.0	5.7	12	22	21	21	20	17
18	20	4.7	5.0	5.1	4.5	5.4	5.7	14	22	21	21	20	18
19	16	4.7	5.1	5.1	4.5	5.4	5.7	19	22	21	21	20	19
20	6.4	4.5	5.1	5.1	4.5	5.4	5.8	21	22	21	21	20	20
21	4.3	4.4	5.1	5.0	4.5	5.4	5.8	22	22	21	21	20	21
22	4.4	4.4	5.1	5.1	4.6	5.5	5.8	22	22	21	21	20	22
23	4.3	4.4	5.1	5.1	4.6	5.5	5.8	22	22	21	21	20	23
24	4.3	4.4	5.0	5.1	4.6	5.5	5.9	22	22	21	20	20	24
25	4.4	4.4	5.1	5.1	4.6	5.5	5.9	22	22	21	20	20	25
26	4.4	4.4	5.0	5.1	4.7	5.6	10	22	22	21	20	20	26
27	4.4	4.4	5.1	5.2	4.8	5.6	12	22	22	21	20	20	27
28	4.4	4.5	5.0	5.2	4.9	5.6	12	22	22	21	20	20	28
29	4.4	4.5	5.1	5.1		5.6	12	22	22	21	20	19	29
30	4.5	4.4	5.1	5.2		5.6	12	22	22	21	20	19	30
31	4.5		5.1	5.2		5.7		22		21	20		31
MEAN	14.0	4.5	5.0	5.1	5.0	5.1	6.6	16.0	22.0	21.3	20.7	19.9	MEAN
MAX.	21	4.7	5.1	5.2	5.3	5.7	12	22	22	22	21	20	MAX.
MIN.	4.3	4.3	3.6	5.0	4.5	4.6	5.4	11	22	21	20	19	MIN.
AC. FT.	858	266	307	315	275	313	394	982	1,309	1,309	1,275	1,186	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	22	1.17	7	2	0415	0.0		12	1	1115	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 32 00	121 28 55	SW 1 19N 4E	29 E	1.32	1-20-1964	APR 1963-DATE	APR 1963-DATE	1963		0.00	LOCAL

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

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

WATER YEAR	STATION NO.	STATION NAME
1971	A05191	FEATHER RIVER AT OROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	406	418	409	408	400	406	421	404	398	414	403	407	1
2	406	416	414	413	401	409	408	405	404	417	410	409	2
3	406	409	410	413	400	411	395	412	402	415	407	409	3
4	403	408	420	413	398	410	396	413	406	417	404	409	4
5	399	405	414	413	398	410	407	410	408	418	409	406	5
6	409	403	410	413	398	410	413	398	402	424	424	413	6
7	410	401	412	413	397	421	414	397	408	419	406	413	7
8	415	401	411	399	399	423	418	393	408	407	410	410	8
9	416	402	413	386	399	411	409	399	409	409	412	413	9
10	412	404	409	386	400	411	402	402	415	407	410	412	10
11	407	411	411	402	399	410	402	407	415	402	407	409	11
12	409	412	411	415	400	403	416	406	414	406	411	405	12
13	409	412	407	414	396	406	415	401	412	408	407	407	13
14	408	414	412	413	394	408	416	399	414	410	404	407	14
15	409	412	412	412	394	413	405	394	412	405	405	416	15
16	410	414	412	415	401	419	400	394	410	404	409	411	16
17	409	414	410	415	413	415	401	401	414	401	414	412	17
18	407	415	413	411	991	409	405	401	412	400	408	406	18
19	407	413	407	407	405	407	410	399	412	400	407	406	19
20	414	412	403	408	406	408	407	401	413	403	407	412	20
21	420	411	413	405	412	404	408	401	414	399	402	414	21
22	421	411	414	404	418	410	409	401	416	394	402	410	22
23	422	413	415	405	416	420	408	404	416	396	402	404	23
24	415	416	415	403	418	414	401	411	412	401	402	406	24
25	414	415	411	403	414	427	394	415	410	403	405	406	25
26	413	411	411	402	408	2,480	405	410	412	413	411	403	26
27	416	412	412	403	408	6,910	414	400	410	407	411	406	27
28	413	428	410	405	408	6,960	412	401	414	406	413	404	28
29	414	431	414	405		6,960	409	400	413	404	407	402	29
30	415	414	409	401		5,530	408	395	412	406	407	397	30
31	419		408	403		2,510		395		404	411		31
MEAN	411	412	411	407	425	1,343	408	402	411	407	408	408	MEAN
MAX.	422	431	420	415	991	6,960	421	415	416	424	424	416	MAX.
MIN.	399	401	403	386	394	403	394	393	398	394	402	397	MIN.
AC. FT.	25,300	24,510	25,290	25,010	23,590	82,600	24,250	24,730	24,430	25,030	25,080	24,290	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
489	7,720		3	26	1915						354,100

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

Station located 300 feet above Fish Barrier Dam, 0.6 mile northeast of Oroville. Flow partly regulated by reservoirs and powerplants. Flows diverted through 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
1971	A05975	THERMALITO AFTERBAY RELEASE TO FEATHER RIVER NEAR OROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2,620	2,550	2,330	6,210	2,040	1,500	17,000	6,050	9,500	4,870	3,930	7,140	1
2	2,580	2,690	2,960	6,390	1,840	1,500	16,900	6,020	9,450	4,870	3,970	7,110	2
3	2,530	2,580	3,890	6,590	1,610	1,510	13,100	6,080	9,610	4,880	3,980	7,100	3
4	2,540	2,910	4,850	6,580	1,500	1,420	8,950	6,080	9,650	4,880	3,980	7,080	4
5	2,560	2,940	5,520	5,620	1,490	1,490	8,890	6,080	9,600	4,860	3,980	6,990	5
6	2,570	2,620	5,560	5,350	1,490	1,480	8,960	6,070	9,560	4,960	3,980	7,060	6
7	2,570	2,560	5,960	5,070	1,470	1,510	9,540	6,070	9,300	4,540	3,980	7,100	7
8	2,570	2,550	6,560	4,790	1,470	2,280	9,920	6,080	8,400 E	4,070	3,960	7,140	8
9	2,560	2,580	6,560	4,530	1,500	3,300	9,920	6,030	7,420	4,000	3,980	7,210	9
10	2,540	2,550	7,020	4,310	1,500	4,630	9,910	6,790	7,110	3,990	4,700	7,180	10
11	2,560	2,570	7,550	4,520	1,490	5,670	9,870	6,790	6,840	3,950	5,680	7,090	11
12	2,560	2,560	7,540	6,500	1,490	7,020	10,400	6,810	6,070	3,990	6,660	7,010	12
13	2,580	2,560	7,530	7,060	1,480	10,800	10,900	6,800	6,070	3,980	7,100	7,290	13
14	2,560	2,560	7,560	7,040	1,480	13,000	10,900	6,810	6,110	3,970	7,050	8,260	14
15	2,560	2,540	7,570	9,000	1,480	13,400	10,900	6,750	6,100	3,980	7,030	9,340	15
16	2,560	2,590	7,580	10,500	1,490	13,500	10,900	6,770	6,050 E	3,980	7,090	9,360 E	16
17	2,560	2,560	7,560	10,400	1,500	13,500	10,900	6,860	5,850 E	3,960	7,100	8,330 E	17
18	2,560	2,560	7,080	10,600	893	13,500	10,900	6,390	4,880 E	3,930	5,040	7,370	18
19	2,580	2,560	6,010	13,400	1,500	13,400	10,900	5,580	3,880	3,960	7,080	7,010	19
20	2,570	2,560	5,000	14,500	1,490	13,400	10,400	4,830	2,800	3,970	7,100	7,090	20
21	2,570	2,560	4,050	14,400	1,470	13,300	9,430	4,380	2,770	3,970	7,090	7,100	21
22	2,570	2,570	5,150	13,300	1,490	12,900	8,470	4,260	3,510	3,970	7,070	6,850	22
23	2,580	2,440	6,570	10,700	1,500	12,000	7,430	4,220	3,860	3,970	7,080	6,290	23
24	2,570	2,130	5,670	9,390	1,480	12,200	6,870	4,290	3,880	3,980	7,090	5,800	24
25	2,570	2,140	5,580	8,450	1,490	13,600	6,910	4,310	3,880	3,970	7,090	5,290	25
26	2,580	2,110	5,570	7,430	1,510	16,300	7,010	4,540	3,890	4,000	7,090	4,740	26
27	2,570	2,140	5,570	6,450	1,490	17,500	7,000	5,510	3,850	3,990	7,100	4,310	27
28	2,570	2,130	5,570	5,460	1,470	17,500	6,990	7,350	3,890	3,990	7,080	3,840	28
29	2,600	2,110	5,570	4,510		17,500	6,100	9,160	4,600	3,990	7,010	3,360	29
30	2,600	2,120	5,770	3,460		17,500	6,060	9,500	4,880	3,980	7,070	2,860	30
31	2,570		6,130	2,540		17,300		9,570		3,960	7,130		31
MEAN	2,569	2,487	5,916	7,582	1,504	9,852	9,744	6,220	6,109	4,173	5,976	6,657	MEAN
MAX.	2,620	2,940	7,580	14,500	2,040	17,500	17,000	9,570	9,650	4,960	7,130	9,360	MAX.
MIN.	2,530	2,110	2,330	2,540	893	1,420	6,060	4,220	2,770	3,930	3,930	2,860	MIN.
AC. FT.	158,000	148,000	363,700	466,200	83,510	605,800	579,800	382,500	363,500	256,600	367,500	396,100	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
5,761	17,500	9.04	3	27	0615	46	0.37	2	18	1515	4,171,000

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
1971	A05165	FEATHER RIVER NEAR GRIDLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3,110	3,070	2,880	6,590	2,620	1,770	17,500	6,560	9,720	5,290	4,540	7,640	1
2	3,090	3,290	3,530	6,850	2,410	1,800	17,300	6,490	9,680	5,290	4,570	7,590	2
3	3,030	3,080	4,420	6,930	2,150	1,840	14,400	6,560	9,880	5,330	4,580	7,560	3
4	3,030	3,300	5,590 *	6,660	2,010	1,830	10,000	6,540	9,920	5,350	4,580	7,540	4
5	3,030	3,730	6,280	6,230	1,980 *	1,800 *	9,650	6,510	9,890	5,320	4,590	7,470	5
6	3,050	3,220	6,330	5,940	1,890	1,820	9,780 *	6,470	9,870	5,410	4,580	7,520	6
7	3,030	3,120	6,600	5,640	1,830	1,800	10,200	6,460	9,650	5,040	4,590	7,520	7
8	3,050	3,080	7,250	5,390	1,820	2,420	10,600	6,440	8,780	4,570	4,580	7,540	8
9	3,040	3,110	7,210	5,010	1,830	3,380	10,600	6,360	7,930	4,460	4,580	7,630 *	9
10	3,020	3,090	7,530	4,870	1,830	4,850	10,600	6,990 *	7,530	4,460	5,260	7,610	10
11	3,060	3,120	8,130	4,890	1,840	5,930	10,500	7,060	7,310	4,420	6,390	7,500	11
12	3,050	3,090	8,110	6,650	1,820	7,020	10,800	7,090	6,610	4,480	7,420	7,440	12
13	3,050	3,090	8,100	7,410	1,810	10,500	11,400	7,090	6,540	4,500	7,910	7,670	13
14	3,040	3,110	8,110	7,430	1,800	13,000	11,400	7,090	6,580	4,500	7,920	8,570	14
15	3,060	3,080	8,150	8,910	1,800	13,500	11,400	7,050	6,600 *	4,520	7,840	9,640	15
16	3,050	3,110	8,170 *	10,800	1,800	13,600	11,400	7,020	6,540	4,520	7,920	9,830 *	16
17	3,050	3,090	8,140	10,900	1,810	13,600	11,400	7,060	6,340	4,500	7,950	8,910	17
18	3,040	3,080	7,770	11,100	1,780	13,600 *	11,300	6,820	5,360	4,500	6,020 *	7,860	18
19	3,040	3,070	6,690	13,500	1,820	13,500	11,400	5,920	4,480	4,540	7,870	7,440	19
20	3,090	3,090	5,760	15,000	1,780	13,500	11,000	5,250	3,440	4,580	7,890	7,490	20
21	3,080	3,090	4,800	14,900 *	1,790	13,500	10,000	4,830	3,220	4,630	7,850	7,530	21
22	3,080	3,090	5,370	14,000	1,800	13,200	9,140	4,690	3,910	4,670	7,780	7,350	22
23	3,110	3,010	7,080	11,800	1,810	12,400	8,130	4,640	4,260	4,640 *	7,770	6,830	23
24	3,070	2,720	6,340	10,200	1,820	12,300	7,430	4,690	4,310	4,600	7,750	6,330	24
25	3,060	2,710	6,140	9,210	1,790	13,600	7,420	4,720	4,280	4,590	7,740	5,780	25
26	3,050	2,670	6,120	8,170	1,790	16,800	7,520	4,890	4,320	4,640	7,710	5,190	26
27	3,060 *	2,720	6,120	7,170	1,820	23,800	7,500	5,730	4,280	4,630	7,720	4,750	27
28	3,060	2,830	6,160	6,240	1,790	24,000	7,500	7,410	4,290	4,600	7,650	4,330	28
29	3,090	2,900	6,180	5,290		24,100 *	6,740	9,220	4,920	4,620	7,560	3,860	29
30	3,100	2,820	6,270	4,190		23,400	6,590	9,660	5,290	4,600	7,580	3,350	30
31	3,070		6,620	3,230		20,500		9,750		4,560	7,650		31
MEAN	3,059	3,052	6,514	8,100	1,887	10,924	10,353	6,550	6,524	4,721	6,656	7,109	MEAN
MAX.	3,110	3,730	8,170	15,000	2,620	24,100	17,500	9,750	9,920	5,410	7,950	9,830	MAX.
MIN.	3,020	2,670	2,880	3,230	1,780	1,770	6,590	4,640	3,220	4,420	4,540	3,350	MIN.
AC. FT.	188112	181646	400562	498049	104807	671722	616066	402763	388225	290301	409269	423015	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
6318.7	24300	33.61	03	30	0945	1600.0	25.33	08	18	1130	4574536

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 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
1971	A05735	NORTH HONCUT CREEK NEAR BANGOR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.1*	2.0	364	90	23	10	34 *	15	12	3.7	0.0*	0.0	1
2	2.3	1.8	1,190 *	145	23	9.9*	30	15	11	3.2	0.0	0.0	2
3	1.6	1.5	232	90	22	9.5	26	15	10	3.1	0.0	0.0	3
4	1.4	2.3	1,340 *	68	20	9.2	24	16	9.9	2.5	0.0	0.0	4
5	2.5	4.9	317	56 *	19	9.2	21	16	9.2	2.0	0.0	0.0	5
6	3.2	24	150	46	19	8.8	19	15	8.4	1.6	0.0	0.0	6
7	3.2	34	117	39	19	9.0	22	14	7.6	0.8	0.0	0.0	7
8	2.7	13	200	35	18	9.0	21	14	7.0	0.5	0.0	0.0	8
9	2.8	8.9	198	32	18	8.8	20	14	6.6	0.7	0.0	0.0	9
10	3.1	13	105	30	17 *	8.8	28	13	6.5	1.0	0.0	0.0	10
11	3.2	12	75	183	17	9.2	24	13	6.0	1.0	0.0	0.0	11
12	3.4	14	57	155	16	97	20	12	5.6	1.0	0.0	0.0	12
13	3.5	13	45	228	15	81	18	11	4.8	0.9	0.0	0.0	13
14	3.4	11	41	200	15	32	17 *	11	4.3	0.7	0.0	0.0	14
15	3.1	9.4	34	131	15	34	16	10	4.0	0.5	0.0	0.0	15
16	3.0	8.4	103	197	15	26	19	8.9	3.5	0.4	0.0	0.0	16
17	2.8	7.8	172	213	15	23	27	8.4	3.1	0.5	0.0	0.0	17
18	2.7	7.3	108	129	13	20	23	8.0	2.8	0.8	0.0	0.0	18
19	2.9	7.0	83	99	14	17	20	7.6*	2.4	0.9	0.0	0.0	19
20	3.9	6.6	63	82	13	15	24	7.0	1.9	0.8*	0.0	0.0	20
21	6.6	6.9	598	67	12	14	39	7.0	1.1	0.6	0.0	0.0	21
22	4.5	7.2	220	56	13	15	27	7.0	1.3	0.5	0.0	0.0	22
23	4.2	7.3	118	47	11	87	23	8.2	0.6	0.3	0.0	0.0	23
24	8.4	7.3	87	41	11	146	21	9.3	1.1	0.1	0.0	0.0	24
25	5.6	8.1	67	37	11	572	19	9.3	1.2	0.0	0.0	0.0	25
26	3.5	11	71	34	10	1,020	18	9.2	2.4	0.0	0.0	0.0	26
27	2.6	11	118	31	10	162	17	9.5	5.8	0.1	0.0	0.0	27
28	2.3	304	126	29	10	97	17	11	5.2	0.1	0.0	0.5	28
29	2.1	1,130	498	27		68	16	12	4.2	0.0	0.0	1.0	29
30	2.0	443	174	25		51	16	14	3.9	0.0	0.0	1.5	30
31	2.0		112	24		41		15		0.0	0.0		31
MEAN	3.2	71.3	231	86.0	15.5	87.7	22.2	11.5	5.1	0.9	0.0	0.1	MEAN
MAX.	8.4	1,130	1,340	228	23.0	1,020	39.0	16.0	12.0	3.7	0.0	1.5	MAX.
MIN.	1.4	1.5	34.0	24.0	10.0	8.8	16.0	7.0	0.6	0.0	0.0	0.0	MIN.
AC. FT.	200	4240	14247	5288	861	5394	1321	705	304	56		6	AC. FT.

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

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
45.1	3480	9.02	12	02	0615	0.0	3.54	07	25	1800	32622

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 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
1971	A05120	FEATHER RIVER BELOW SHANGHAI BEND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	5,780	5,930	9,550 *	11,600	7,870	3,900	21,200	8,430	13,000	8,770	6,760	10,200	1
2	5,690	5,980	11,700	11,800	7,540	3,650	19,200	8,230	13,400	8,280	6,750	10,200	2
3	5,700	6,050	11,500	12,000	7,280	3,630	17,300	8,280	13,400	8,230	6,750	10,200	3
4	5,730	5,990	14,900	11,700	6,990	3,640	12,800	8,390	13,100	8,210	6,750	10,200	4
5	5,740	6,540	16,300	11,200	6,860	3,610	11,000	8,420	13,000	7,850	6,780	10,100	5
6	5,760	6,440	13,600	10,500	6,800	3,580	11,600 *	8,320	12,900	7,800	6,790	10,100	6
7	5,740	6,910	12,300	10,100	6,730	3,570	11,900	8,250	12,800	7,650	6,820	10,300	7
8	5,740	6,910	12,500	9,860	6,650	3,680	13,100	8,290	12,100	7,130	6,870	10,300	8
9	5,750	6,850	12,900	9,360	6,600	4,360	13,100	8,330	11,400	6,790	6,870	10,400	9
10	5,750	6,790	12,400 *	9,290	6,540	5,330	13,200	8,670	10,800	6,790	7,040	10,400	10
11	5,710	6,540	12,800	9,980	6,480	6,310	13,200	9,280	10,600	6,780	7,950	9,680	11
12	5,710	6,430	12,900	12,200	6,370	7,490	12,400	9,280	10,500	6,730	8,990	9,530	12
13	5,750	6,320	12,800	12,600	6,320	11,600	12,600	9,290	10,300	6,750	9,700	10,100	13
14	5,740	6,430	12,800	13,200	6,270	14,500	11,900	9,290	10,400	6,750	9,900	11,400	14
15	5,720	6,390	12,800	13,500	6,250	15,200	12,600	9,150	10,400 *	6,760	9,890	12,300	15
16	5,720	6,350	13,200 *	15,600	6,220	15,200	12,800	9,120	10,300	6,770	9,920	12,900 *	16
17	5,700	6,360	13,900	16,700	5,950	15,200	12,800	9,150	10,100	6,740	9,970	12,000	17
18	5,680	6,340	13,500	16,600	5,370	15,100 *	12,800	9,210	10,300	6,760	8,920	10,400	18
19	5,680	6,340	12,500	17,300	5,290	15,000	12,700	8,280	9,750	6,730	9,330	9,570	19
20	5,800	6,350	11,300	19,700 *	5,250	14,400	13,000	7,400	8,700	6,730	9,980 *	9,410	20
21	5,830	5,780	11,000	20,100	5,180	14,200	12,400	6,930	8,330	6,740	10,000	9,470	21
22	5,860	6,270	11,100	19,500	5,010 *	14,100	11,500	6,400	8,340	7,030	10,000	9,430	22
23	5,910	6,300	12,200	19,200	4,620	13,700	10,600	6,270	8,180	6,740 *	10,100	8,980	23
24	5,960	6,130	11,800	16,200	4,370	14,500	9,780	6,210	8,630	6,000	10,100	8,460	24
25	5,950	6,050	10,900	15,000	4,230	15,400	9,520	6,190	8,450	6,180	10,100	8,020	25
26	5,960	6,240	10,700	13,900	3,960	25,800	9,410	6,310	8,110	6,740	10,100	7,520	26
27	5,990	6,210	10,800	12,800	3,980	30,700	9,330	7,150	11,300	6,780	10,100	7,000	27
28	5,980	6,540	11,000	11,800	3,960	29,000	9,310	8,670	10,100	6,760	10,100	6,590	28
29	5,980	8,330	11,600	10,800		28,300 *	8,980	11,600	9,400	6,760	10,100	6,170	29
30	5,880	9,650	11,900	9,710		27,500	8,550	12,700	8,980	6,710	10,000	5,510	30
31	5,950		11,600 *	8,660		25,200		12,900		6,730	10,200		31
MEAN	5,801	6,524	12,282	13,305	5,890	13,140	12,352	8,528	10,569	7,037	8,827	9,561	MEAN
MAX.	5,990	9,650	16,300	20,100	7,870	30,700	21,200	12,900	13,400	8,770	10,200	12,900	MAX.
MIN.	5,680	5,780	9,550	8,660	3,960	3,570	8,550	6,190	8,110	6,000	6,750	5,510	MIN.
AC. FT.	356707	388244	755206	818102	327154	807967	735034	524410	628899	432734	542777	568939	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
9511.7	31700	48.95	03	26	2245	3550.0	34.28	03	07	0945	6886171

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 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 04 44	121 36 08	NE 11 14N 3E		76.8	12-24-1955	JUN 44-OCT 55 o" JAN 46-DATE	NOV 26-MAY 35 # OCT 37-MAY 39 NOV 39-JUL 41 NOV 41-JUL 43 # OCT 43-DATE	1926 1926		0.00 -3.01	USED USCGS

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

o" - Irrigation season only.
- Flood season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	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	0.0									1
2			5.8	0.0									2
3			80	0.0									3
4			104	0.0									4
5			232 *	0.0									5
6			190	0.0									6
7			172 *	0.0									7
8			147	0.0									8
9			117	0.0									9
10	N	N	86	0.0	N	N	N	N	N	N	N	N	10
11	O	O	103	0.0	O	O	O	O	O	O	O	O	11
12			114	0.0									12
13			81	0.0									13
14			38	0.0									14
15	F	F	2.7	0.0	F	F	F	F	F	F	F	F	15
16	L	L	0.0	0.0	L	L	L	L	L	L	L	L	16
17			0.0	0.0									17
18	O	O	0.0	0.0	O	O	O	O	O	O	O	O	18
19			0.0	0.0									19
20	W	W	0.0	80	W	W	W	W	W	W	W	W	20
21			0.0	152 *									21
22			0.0	140									22
23			0.0	107									23
24			0.0	64									24
25			0.0	23									25
26			0.0	0.0									26
27			0.0	0.0									27
28			0.0	0.0									28
29			0.0	0.0									29
30			0.0	0.0									30
31			0.0	0.0									31
MEAN			47.5	18.2									MEAN
MAX.			232	152									MAX.
MIN.			0.0	0.0									MIN.
AC. FT.			2,920	1,123									AC. FT.

(a) Leakage through needles during 1971 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
5.6											4,043

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 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
1971	A00047	DRY CREEK AT ROSEVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	21	34	488 *	137	73	49	63	31	50	18	15	20	1
2	20	33	887	220	71	46	59	40	49	17	14	21	2
3	21	34	287	135	67	48	55	49	44	16	14	17	3
4	22	42	943	118	65	49	49	54	39	18	14	12	4
5	25	64	477	113	63	48	45	55	35	18	12	14	5
6	27	199	263	108	63	46	46	52	31	18	11	15	6
7	29	183	233	104	62	44	67	50	26	17	11	14	7
8	31	79	202	100	59	52	62	80	24	15	11	13	8
9	29	65	189	98	58	42	56	71	25	15	11	13	9
10	30	53	151	94	57	40	58	59	26	17	10	12	10
11	31	49	137	131	58	43	56	52 *	23	21	9.5	11	11
12	32	58	129	175	57	96	50	47	21	18	9.5	9.7	12
13	34	48	121	239	57	136	49	44	24	16	10	10	13
14	36	44	112	167	56	71	50	39	23	15	11	9.4	14
15	37	43	107	130	57	66	47 *	32	22	13	11	9.0*	15
16	39	41	198	127	58	59	47	28	20	12	13	9.2	16
17	38	40 *	217	131	58 *	51	61	28	18	12	13	9.4	17
18	38	41	161	118	55	49 *	57	23	17	12	13	11	18
19	40	41	138	110	72	46	49	24	17	13	15	11	19
20	46	43	130	104	64	43	50	27	17	15	16	11	20
21	56 *	43	248	98	58	41	57	29	15	28 *	15	12	21
22	58	42	181	94	57	38	50	28	13	28	16	13	22
23	60	41	136	92	57	102	48	25	14	28	16	14	23
24	70	46	120	89	56	93	44	23	14	24	15	14	24
25	62	137	111	85	49	184	37	23	14	21	15	18	25
26	55	220	132	79	49	449	39	28	22	22	15	18	26
27	53	109	163	81	48	170	35	29	31	21	13	21	27
28	49	462	165	80	51	106	34	37	30	20	15	23	28
29	42	1,150	291	78		88	33	43	25	18	17	25	29
30	39	414	194	74		72	31	46	22	17	19	31	30
31	37		146 *	73		68		48		17	18		31
MEAN	38.9	129	240	115	59.1	81.8	49.5	40.1	25.0	18.1	13.5	14.7	MEAN
MAX.	70.0	1,150	943	239	73.0	449	67.0	80.0	50.0	28.0	19.0	31.0	MAX.
MIN.	20.0	33.0	107	73.0	48.0	38.0	31.0	23.0	13.0	12.0	9.5	9.0	MIN.
AC. FT.	2394	7732	14791	7105	3283	5028	2943	2467	1490	1111	829	874	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
69.1	1480	9.58	12	04	1500	8.6	3.14	08	11	0400	50046

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 44 47	121 16 57	SE 2 10N 6E	2,370	15.90	1-26-1969	APR 1966-DATE	APR 1966-DATE	1966		0.00	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 Back Borrow Pit of Reclamation District 1000 and Linda Creek.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A02100	SACRAMENTO RIVER AT SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	16,300	15,100	53,700	51,400	50,600	19,000	62,600	23,600	34,000	25,100	18,500	26,400	1
2	16,700	15,000	65,900	51,300	46,900	18,500	59,500	24,200	34,200	24,500	18,500	26,300	2
3	16,500	15,300	70,500	50,900	44,500	17,800	56,400	25,200	34,400	23,700	18,700	26,400	3
4	16,400	16,000	71,000	48,600	42,700	17,000	53,500	26,400	33,400	23,400	18,700	26,400	4
5	15,900	16,100	73,200	45,000	40,800	17,000	49,500	27,300	32,500	23,000	19,100	25,700	5
6	15,400	17,300	72,300	42,400	39,400	16,700	46,000	28,000	32,100	22,600	19,900	25,100	6
7	14,900	18,400	71,800	40,200	38,100	16,400	44,100	28,800	31,400	22,100	20,200	24,900	7
8	14,400	20,300	71,100	38,400	36,400	16,400	43,100	29,500	30,600	21,500	20,200	24,900	8
9	14,300	20,800	70,500	36,800	34,700	16,300	42,700	30,200	29,000	20,900	20,500	24,800	9
10	14,600	19,900	69,700	35,500	33,400	16,700	41,500	30,800	28,000	20,400	20,500	25,100	10
11	14,500	21,300	70,300	34,600	32,500	17,500	40,300	31,600	27,200	20,300	20,800	25,400	11
12	14,400	23,800	70,400	35,600	32,000	18,500	39,500	32,200	26,900	20,500	22,000	25,400	12
13	14,400	22,100	69,600	38,700	31,400	22,000	38,800	32,100	26,500	20,600	22,800	25,000	13
14	14,500	21,000	68,500	40,100	30,500	30,600	38,300	32,000	26,400	20,600	23,400	25,200	14
15	14,600	20,200	67,200	40,100	29,800	36,400	37,800	32,100	26,200	20,700	23,700	25,700	15
16	14,400	19,600	66,000	43,200	29,000	36,200	37,400	32,300	25,800	20,500	23,900	25,800	16
17	14,300	19,600	65,400	46,500	28,200	35,400	36,700	32,200	25,300	20,600	24,000	26,700	17
18	14,300	20,000	65,200	52,100	27,600	34,400	36,200	32,000	25,000	20,600	23,900	26,200	18
19	14,200	21,600	64,700	61,100	26,600	32,600	34,700	31,800	25,700	20,600	22,600	24,700	19
20	14,600	23,000	63,900	70,500	26,100	30,900	33,500	30,400	25,300	20,500	23,500	23,200	20
21	15,100	23,700	63,400	71,700	24,800	29,500	32,900	29,200	24,200	20,300	23,600	23,900	21
22	15,400	23,900	63,100	71,400	23,600	28,400	31,900	28,400	23,600	20,100	23,200	24,000	22
23	15,700	24,300	62,700	70,500	22,400	28,000	30,400	27,700	23,700	20,300	22,600	24,100	23
24	16,200	24,300	62,200	69,200	21,500	27,800	28,800	27,000	23,600	20,000	23,100	23,800	24
25	16,200	24,500	60,100	68,100	20,800	30,100	27,100	26,000	24,000	19,400	24,500	23,300	25
26	16,300	25,100	56,800	66,400	20,200	36,100	26,200	25,600	23,800	20,100	25,200	22,500	26
27	16,200	27,900	53,300	64,400	19,700	49,700	25,300	25,800	23,900	20,500	25,400	21,500	27
28	15,900	30,400	50,400	62,800	19,300	58,700	24,900	27,000	27,000	20,100	25,600	20,400	28
29	15,600	38,100	49,000	61,300		62,700	24,700	29,800	26,900	19,400	25,700	19,700	29
30	15,500	47,000	50,000	58,400		63,300	23,800	32,100	25,900	18,900	25,900	19,300	30
31	15,400		51,200	54,800		64,300		33,600		18,600	26,200		31
MEAN	15,260	22,520	63,970	52,320	31,200	30,480	38,270	29,190	27,550	20,980	22,460	24,390	MEAN
MAX.	16,700	47,000	73,200	71,700	50,600	64,300	62,600	33,600	34,400	25,100	26,200	26,700	MAX.
MIN.	14,200	15,000	49,000	34,600	19,300	16,300	23,800	23,600	23,600	18,600	18,500	19,300	MIN.
AC. FT.	938,400	1,340,000	3,933,000	3,217,000	1,733,000	1,874,000	2,277,000	1,795,000	1,639,000	1,290,000	1,381,000	1,452,000	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
31,590	73,700	21.79	12	5	0600	14,200		10	19		22,870,000

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 35 20	121 30 15	NW 35 9N 4E	104,000	30.14	12-21-1950	1904-1905	JAN 04-JUL 05	1904	1956	0.12	USCGS
						JUN 21-NOV 21	20-DATE	1956		0.00	USCGS
						MAY 24-DEC 42 ö		1956		2.98	USED
						MAY 43-DATE			1965	-0.23	USCGS
								1965		0.00	USCGS

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

ö - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1971	A81810	MIDDLE CREEK NEAR UPPERLAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	1.0	418	204	60	21	137	41	12	2.0	0.0	0.0	1
2	0.0	1.1	660 *	163	55	21	118	42	12 *	1.9	0.0	0.3	2
3	0.0	1.3	1,810	127	49	21	100	47	9.9	1.7	0.0	0.5	3
4	0.0	1.5	1,930	108	46	22	90	43	8.6	1.6	0.0	0.6	4
5	0.0	1.7	652	90	44	22	83	43	8.1	1.5	0.0	0.6	5
6	0.0	1.7	366	79	41	22	78	42	7.6	0.9	0.0	0.6	6
7	0.0	1.3	313	73	38	22	75	41	6.7	0.8	0.0	0.6	7
8	0.0	1.3	369	68	35	22	71	40	6.2	0.8	0.0	0.6	8
9	0.0	1.4	309	64	33	23	77	40	5.9	0.7	0.0	0.6	9
10	0.0	1.3	215	102	30	23	109	40	4.9	0.6	0.0	0.6	10
11	0.0	1.4	156	152	30	25	78	40	4.4	0.6	0.0	0.6	11
12	0.5	54	125	151	29	636	71 *	40	3.9	0.6	0.0	0.4	12
13	0.5	32	112	139	27	293	70	40	3.2	0.5*	0.0	0.6	13
14	0.6	21	94	200	26	201	77	39	2.7	0.5	0.0	0.6	14
15	0.6	15	139	925	26	168	66	39	2.3	0.5	0.0	0.5	15
16	0.6	12	338	2,920	26	143	63	39	2.2	0.6	0.0	0.5	16
17	0.7	9.1	269	1,750	24	135	73	39	2.3	0.8	0.0	0.3	17
18	0.7	7.9	216	944	24	115	67	37	2.3	0.5	0.0	0.1	18
19	0.8	7.1	161	566	24	101	61	37	2.2	0.5	0.0	0.0	19
20	0.9	6.2	171	402	23	89	59	37	2.1	0.4	0.0	0.0	20
21	1.1	6.0	169	307 *	22	79	57	37	2.1	0.5	0.0	0.0	21
22	1.0	5.9	142	240	22	72	54	37	2.2	0.4	0.0	0.0	22
23	1.1	5.5	126	186	22	214	53	37	2.1	0.5	0.0	0.0	23
24	1.0	5.6*	114	154	21	150	52	37	2.0	0.3	0.0	0.0	24
25	1.0	81	103	129	21 *	396	49	37	2.0	0.2	0.0	0.0	25
26	1.0	82	99	106	21	1,180	47	37	2.1	0.1	0.0	0.0	26
27	1.0	269	94	90	21	574	45	37	2.1	0.0	0.0	0.0	27
28	1.0	711	222	80	21	381	43	23	2.3	0.0	0.0	0.0	28
29	1.0	392	612	73		291	42	13	2.2	0.0	0.0	0.0	29
30	1.0	504	334	67		222	41	12	1.9	0.0	0.0	0.0	30
31	1.1		245	63		159		12		0.0	0.0		31
MEAN	0.6	74.7	357	345	30.8	188	70.2	36.3	4.4	0.6	0.0	0.3	MEAN
MAX.	1.1	711	1,930	2,920	60.0	1,180	137	47.0	12.0	2.0	0.0	0.6	MAX.
MIN.	0.0	1.0	94.0	63.0	21.0	21.0	41.0	12.0	1.9	0.0	0.0	0.0	MIN.
AC. FT.	34	4446	21983	21267	1708	11589	4177	2231	259	40		17	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
93.6	4020	12.17	01	16	1415	0.0	4.92	10	01	0000	67751

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

Station located at Rancheria 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
1971	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	228	138	56	16	87	23	4.7	0.3	0.0	0.0	1
2	0.0	0.0	1,100 *	123	51	15	76	25	4.3*	0.0	0.0	0.0	2
3	0.0	0.0	1,870	93	47	15	67	34	4.6*	0.0	0.0	0.0	3
4	0.0	0.0	2,010	78	44	16	61	26	4.4	0.0	0.0	0.0	4
5	0.0	0.0	500	66	42	15	56	24	4.3	0.0	0.0	0.0	5
6	0.0	0.0	301	53	40	14	51	22	4.0	0.0	0.0	0.0	6
7	0.0	0.0	258	46	38	14	50	21	3.6	0.0	0.0	0.0	7
8	0.0	0.0	284	42	35	14	45	20	3.2	0.0	0.0	0.0	8
9	0.0	0.0	247	38	33	14	54	19	2.9	0.0	0.0	0.0	9
10	0.0	0.0	179	43	32	13	76	18	2.8	0.0	0.0	0.0	10
11	0.0	0.0	130	65	30	15	49	17	2.6	0.0	0.0	0.0	11
12	0.0	0.0	98	94	29	714	45 *	16	2.4	0.0	0.0	0.0	12
13	0.0	0.0	87	105	28	257	45	16	2.3	0.0*	0.0	0.0	13
14	0.0	0.0	71	368	27	177	66	15	2.1	0.0	0.0	0.0	14
15	0.0	0.0	110	934	26	140	48	14	2.1	0.0	0.0	0.0	15
16	0.0	0.0	350	2,940	25	109	45	13	2.0	0.0	0.0	0.0	16
17	0.0	0.0	309	1,580	24	102	51	13	1.9	0.0	0.0	0.0	17
18	0.0	0.0	237	623	22	80	44	12	1.7	0.0	0.0	0.0	18
19	0.0	0.0	179	383	23	65	40	12	1.6	0.0	0.0	0.0	19
20	0.0	0.0	177	282	21	55	39	11	1.5	0.0	0.0	0.0	20
21	0.0	0.0	220	219 *	20	47	36	9.8	1.4	0.0	0.0	0.0	21
22	0.0	0.0	196	178	19	42	34	9.8	1.4	0.0	0.0	0.0	22
23	0.0	0.0	156	149	18	80	34	9.7	1.4	0.0	0.0	0.0	23
24	0.0	0.0	126	125	17	64	32	8.6	1.3	0.0	0.0	0.0	24
25	0.0	0.0	101	107	16 *	300	31	4.4	0.8	0.0	0.0	0.0	25
26	0.0	0.0	93	96	15	1,360	29	3.0	1.4	0.0	0.0	0.0	26
27	0.0	124	85	87	16	430	28	3.1	1.3	0.0	0.0	0.0	27
28	0.0	526	137	80	17	234	26	5.0	0.9	0.0	0.0	0.0	28
29	0.0	152	433	73		165	25	6.4	0.9	0.0	0.0	0.0	29
30	0.0	273	240	66		126	24	6.5	0.7	0.0	0.0	0.0	30
31	0.0		170	61		101		5.7		0.0	0.0		31
MEAN	0.0	35.8	344	301	29.0	155	46.5	14.3	2.4	0.0	0.0	0.0	MEAN
MAX.	0.0	526	2,010	2,940	56.0	1,360	87.0	34.0	4.7	0.3	0.0	0.0	MAX.
MIN.	0.0	0.0	71.0	38.0	15.0	13.0	24.0	3.0	0.7	0.0	0.0	0.0	MIN.
AC. FT.		2132	21187	18516	1609	9539	2765	879	140	1			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
78.4	3940	12.90	01	16	1545	0.0	1.65	10	01	0000	56767

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

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

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

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

WATER YEAR	STATION NO.	STATION NAME
1971	A81940	CLOVER CREEK BYPASS NEAR UPPER LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2			1210 *										2
3			980										3
4			895										4
5			308										5
6			150										6
7			140										7
8			145										8
9													9
10													10
11													11
12						206							12
13						107							13
14				150									14
15				523									15
16			178	1360									16
17			126	705									17
18				435									18
19				272									19
20				172									20
21				117 *									21
22													22
23													23
24													24
25						117							25
26						540							26
27						212							27
28		150				107							28
29			284										29
30			131										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 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
	2860	6.61	12	3	1915	0.0		10	1		

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 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-SEP 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
1971	A81250	BEAR CREEK NEAR RUMSEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.0	1.7	181	63	52	23	31	12	8.1	2.7	0.6	1.0	1
2	0.9	1.6	774	109	49	22	30	13	8.2	2.6*	0.5	1.0	2
3	0.9	2.0	704	57	45 *	22	28	16	7.9	2.5	0.5	0.9	3
4	1.0	4.9	1,590	49	44	23	27	14	7.7	2.3	0.4	0.8	4
5	1.0	6.3	216 *	46	44	22	27	14	7.2	2.2	0.4	0.6	5
6	1.0	6.8	111	44	43	20	25	14 *	6.6	2.1	0.4	0.6	6
7	0.9	5.0	78	42 *	40	19	25	12	5.9	2.1	0.4	0.6	7
8	0.9	3.5	96	41	39	19	25	12	5.7	1.9	0.4	0.6	8
9	0.8	3.0	73	40	38	19	25 *	13	5.5	1.8	0.4	0.5	9
10	1.1	2.8	52	42	37	18	27	13	5.2	1.9	0.3	0.6	10
11	1.1	2.6	43	60	36	19	24	12	5.5	1.9	0.2	0.6	11
12	1.1	2.4	37	61	35	237	22	11	5.4	1.9	0.2	0.6	12
13	1.1	2.1*	34	173	34	161	22	10	5.5	1.8	0.2	0.6	13
14	1.1	2.1	33	333	34	54	33	10	4.9	1.7	0.2	0.5	14
15	1.1	2.2	108	299	33	51	24	9.5	4.9	1.7	0.2	0.4	15
16	1.1	2.2	306	1,240	33	39	21	9.0	4.7	1.6	0.2	0.4	16
17	1.2	2.2	98	580	33 *	33	21	9.2	4.3	1.5	0.2	0.3	17
18	1.8	2.3	163	241	30	28	20	9.4	4.1	1.5	0.2	0.3	18
19	2.3	2.3	136	171	30	26	18	9.2	4.0	1.4	0.3	0.2	19
20	2.5	2.4	196	138	28	25	18	8.4	4.2	1.2	0.3	0.2	20
21	2.4	2.5	231	113	27	24	17	7.7	3.8	1.1	0.3	0.4	21
22	2.6*	2.6	106	99	28	23 *	17	7.7	3.5	0.9	0.4	0.5	22
23	2.9	2.8	79	88	28	25	17	7.6	3.3	0.8	0.7	0.6	23
24	2.3	2.8	67	81	26	25	16	7.4	3.5	0.8	0.7	0.7	24
25	1.9	3.2	58	75	25	33	15	7.3	3.4	0.9	0.6	0.7	25
26	1.7	3.6	57	71	23	496 *	15	7.4	3.3	1.0	0.6	0.9	26
27	1.6	30	54	66	24	95	14	8.8	3.4	0.9	0.5	1.0	27
28	1.4	641	50	63	24	54	13	10	3.1	0.7	0.5	1.0*	28
29	1.5	875	162	59		43	12	10	3.0	0.7	0.5	1.0	29
30	1.6	212	92	56		37	12	9.7	2.9	0.8	0.7*	1.3	30
31	1.7		67	54		33		9.2		0.8	0.9*		31
MEAN	1.5	61.2	195	150	34.4	57.0	21.4	10.4	5.0	1.5	0.4	0.6	MEAN
MAX.	2.9	875	1,590	1,240	52.0	496	33.0	16.0	8.2	2.7	0.9	1.3	MAX.
MIN.	0.8	1.6	33.0	40.0	23.0	18.0	12.0	7.3	2.9	0.7	0.2	0.2	MIN.
AC. FT.	90	3641	12004	9231	1908	3507	1271	642	295	95	26	38	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
45.2	3740	8.01	12	04	0445	0.0	0.41	08	11	1915	32748

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 56 38	122 20 34	SW 30 13N 4W	9,270	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
1971	A81200	CACHE CREEK ABOVE RUMSEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	137	8.2	1,540	1,840	911	147	2,560	518	437	610	507	339	1
2	161	8.0	2,850	1,900	1,200	150	2,530	518	428	566	482	332	2
3	141	9.4	3,560	1,720	351 *	157	2,470	515	448	539	523	344	3
4	138	18	10,200	1,650	323	157	477	466	503	536	532	369	4
5	138	40	2,240	1,610	290	156	329	423	510	535	532	376	5
6	137	74	1,270	1,290	298	142	309	382	491	561	548	378	6
7	134	76	896	436 *	286	138	296	362	518	532	520	359	7
8	121	56	956 *	401	274	143	277	382	612	543	484	362	8
9	107	112	834	382	262	142	270 *	399	642	544	448	356	9
10	108	84	659	357	254	140	339	382	593	571	425	323	10
11	108	61	539	516	246	136	304	365	602	558	419	290	11
12	75	48	459	565	238	882	267	357	599	575	446	283	12
13	64	50 *	404	701	233	1,320	249	365	598	593	477	259	13
14	63	49	373	1,260	230	604	292	396	603	609	461	302	14
15	58	38	381	2,130	229	525	264	447	613	621	449	341	15
16	56	32	1,180	8,440	223	422	337	482	598	679	435	347	16
17	56	28	885	7,960	221 *	378	349	499	630	684	493	342	17
18	51	26	860	5,540	211	333	350	499	700	710	495	339	18
19	40	24	803	4,540	207	305	330	518 *	722	735	481	303	19
20	44	23	746	3,950	195	281	328	547	706	713 *	469	259	20
21	40	22	1,090	3,560	188	260	320	562	666	718	418	280	21
22	41 *	21	763	3,280	185	242 *	312	567	683	716	417	291	22
23	35	21	691	3,010	181	257	350	584	717	710	453	292	23
24	18	21	1,310	2,870	173	327	410	611	715	721	451	275	24
25	13	23	1,560	2,730	167	337	497	576	712	695	446	276	25
26	11	25	1,540	2,610	158	2,900	488	610	696	664	424	250	26
27	10	88	1,520	2,510	155	2,730	495	651	693	649	430	209	27
28	10	3,550	1,520	2,450	154	2,350	536	681	646	615	423	211 *	28
29	9.0	2,870	2,590	2,140		2,390	553	563	643	572	406	210	29
30	8.7	1,370	2,180	993		2,640	521	490	654	541	408 *	189	30
31	8.4		1,950	947		2,600		423		541	374 *		31
MEAN	69.1	295	1,559	2,396	287	764	580	488	612	617	460	302	MEAN
MAX.	161	3,550	10,200	8,440	1,200	2,900	2,560	681	722	735	548	378	MAX.
MIN.	8.4	8.0	373	357	154	136	249	357	428	532	374	189	MIN.
AC. FT.	4247	17603	95899	147348	15953	46990	34530	30030	36452	37995	28316	18022	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
709.1	17900	14.46	12	04	0530	7.9	0.70	10	31	0945	513385

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

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

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1971	A95010	POPE CREEK NEAR POPE VALLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.2	0.5	466	122	63	27	68	16	8.3	1.4	0.2	0.0	1
2	0.1	0.5	1,400	181	60	27	61	18	8.2	1.4	0.1	0.1	2
3	0.1	0.7	2,180	93	56	27 *	56	19	7.9	1.4	0.1*	0.1*	3
4	0.1	3.2	3,450	73	54	27	52	18	7.4	1.4	0.1	0.0	4
5	0.1	35	740	63	52	26	48	17	7.0	1.4	0.1	0.0	5
6	0.1	120	311	55	51	25	45	16	6.6	1.4	0.1	0.0	6
7	0.1	30	202	49	48	25	43	15	6.2	1.3	0.1	0.0	7
8	0.1	12	212	43	46	25	40	14	5.7	1.3	0.1	0.0	8
9	0.1	8.8	159	43	44	24	38	14	5.0	1.3*	0.1	0.0	9
10	0.1	14	115	77	42	24	48	13	4.5	1.2	0.1	0.0	10
11	0.1	9.6	90	275	41	24	39	12	4.0	1.1	0.1	0.0	11
12	0.1	15	72	367	40	546	36	12 *	3.9	1.1	0.1	0.0	12
13	0.1	10	58	600	38	241	36	11	3.7	1.0	0.0	0.0	13
14	0.1	7.6	50	893 *	37	145	45	11	3.6	0.9	0.0	0.0	14
15	0.1	6.5	93	587	36	133	36 *	10	3.4	0.8	0.0	0.0	15
16	0.1	5.6	511	730	35	88	32	9.9	3.5*	0.7	0.0	0.0	16
17	0.1	5.2	276 *	648	34	72	33	9.4	2.5	0.7	0.0	0.0	17
18	0.1	4.7*	308	417	32 *	58	29	8.9	2.2	0.7	0.0	0.0	18
19	0.1	4.1	204	300	33	51	27	7.0	2.1	0.6	0.0	0.0	19
20	0.2	3.7	445	236	31	45	26	8.7	2.0	0.6	0.0	0.0	20
21	0.4	3.5	587	191	30	41	25	8.6	1.9	0.5	0.0	0.0	21
22	0.5	3.3	239	157	30	38	24	8.1	1.9	0.5	0.0	0.0	22
23	0.5*	3.1	144	134	29	44	23	7.9	1.9	0.4	0.0	0.0	23
24	0.6	3.4	105	114	29	64	22	7.9	1.9	0.4	0.0	0.0	24
25	0.6	27	87	100	28	84	22	7.8	1.7	0.3	0.0	0.0	25
26	0.5	39	79	92	27	1,060	21	7.7	1.7	0.3	0.0	0.0	26
27	0.4	399	73	85	28	257	19	8.2	1.7	0.3	0.0	0.0	27
28	0.4	1,680	149	79	28	155	19	9.6	1.7	0.3	0.0	0.0	28
29	0.4	888	574	74		116	18	10	1.7	0.2	0.0	0.1	29
30	0.4	455	223	69		93	17	9.7	1.6	0.2	0.0	0.2	30
31	0.5		130	66		77		8.7		0.2	0.0		31
MEAN	0.2	126	443	226	39.4	119	34.9	11.4	3.8	0.8	0.0	0.0	MEAN
MAX.	0.6	1,680	3,450	893	63.0	1,060	68.0	19.0	8.3	1.4	0.2	0.2	MAX.
MIN.	0.1	0.5	50.0	43.0	27.0	24.0	17.0	7.0	1.6	0.2	0.0	0.0	MIN.
AC. FT.	15	7533	27237	13910	2186	7317	2079	702	229	50	3	1	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
84.6	6850	13.25	12	03	2245	0.0	2.33	08	16	1300	61261

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 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
1971	A09115	PUTAH CREEK, SOUTH FORK, NEAR DAVIS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.3	2.8	67	26	496	143	922	52	24	12	12	5.2	1
2	5.5	4.8	448	22	371	102	728	52	22	18	11	3.8	2
3	1.0	14	138	28	470	93	752	52	20	16	2.4	2.4	3
4	0.4	8.8	1,330	27	495	85	571	58	23	12	3.2	0.9	4
5	5.2	11	251	34	355	83	488	50	29	16	6.7	0.2	5
6	12	15	79	32	316	83	408	46	20	11	7.9	1.1	6
7	13	17	37	23	342	82	317	42	25	16	9.6	9.1	7
8	10	7.7	25	26	364	68	220	42	23	14	5.0	7.8	8
9	14	8.1	17	27	358	52	216	45	15	19	5.0	5.1	9
10	8.3	7.1	19	27	357	44	216	48	18 *	10	3.0	1.5	10
11	6.3	5.4	19	28	342	42	220	41	19	6.1	1.5	0.4	11
12	8.8	4.4	19	26	235	47	208	39	24	6.4	0.8	0.2	12
13	9.7	5.9	16	34	238	429	129	39	26	12	2.7	0.4	13
14	9.7	6.4	13	45	271	531	138	44	24	3.7	6.5	0.5	14
15	10 *	13	14	35	289	588	152	42	20	5.5	3.1	0.5	15
16	8.1	13	59	33	284	663	140	34	21	3.9*	1.9	0.5	16
17	10	12	78 *	27	259	563 *	96	38	20	10	2.1	0.5	17
18	8.1	8.7	65	68	276 *	539	109	40	29	7.5	1.4	0.2	18
19	15	7.0	91	242	253	448	99	41	19	10	1.2	0.2	19
20	17	5.9*	42	329	247	360	68	37	15	7.9	1.3	0.3	20
21	10	4.6	445	469	227	336	55	32	21	12	0.8	0.4	21
22	14	5.5	90	425 *	191	285	55	33	20	13	0.7	0.3	22
23	15	7.6	51	408	211	253	52	31	16	13	1.4	0.3	23
24	12	7.7	37	485	192	340	47	32	19	13	1.5	0.3	24
25	19	8.6	24	641	186	266	45	29	18	15	6.1	0.1	25
26	20	8.3	25	573	189	734	45	21	15	11	8.4	0.1	26
27	12	8.8	23	535	167	1,450	44	27	20	5.3	4.8	0.4	27
28	7.7	53	21	532	131	1,480	48	28	22	6.3	2.9	0.5	28
29	8.7	198	20	473		1,450	43	43	24	8.4	6.2	0.6	29
30	4.6	205	70	545		1,360	48 *	37	26	15	10	6.5	30
31	3.2		52	561		1,170		35		10	8.7		31
MEAN	9.7	22.8	118	218	289	457	222	39.7	21.2	10.9	4.5	1.7	MEAN
MAX.	20.0	205	1,330	641	496	1,480	922	58.0	29.0	19.0	12.0	9.1	MAX.
MIN.	0.4	2.8	13.0	22.0	131	42.0	43.0	21.0	15.0	3.7	0.7	0.1	MIN.
AC. FT.	594	1359	7309	13460	16090	28104	13248	2440	1263	672	277	100	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
117.3	1590	7.17	03	27	1745	0.1	2.17	09	26	0615	84916

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

Station located at low water bridge, 0.8 mile below U. S. Highway 40 bridge, 2.3 miles southwest of Davis. Tributary to Yolo Bypass.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A02935	YOLO BYPASS NEAR WOODLAND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	48	6.6	4,170	2,460	1,620	109	3,590	12	868	6.6	0.2	0.0	1
2	25	6.1	5,310	2,410	1,540	95	2,960	23	860	6.1	0.1	21	2
3	12	6.6	15,100	2,350	1,610	94	2,780	30	832	13	0.1	72	3
4	6.6	11	21,700	2,220	1,160	102	2,650	39	788	26	0.2	83	4
5	6.1	16	32,500	2,110	815	100	1,720	42	558	26	0.3	92	5
6	6.6	20	30,100	2,040	670	94	1,150	46	342	13	0.6	85	6
7	6.6	40	32,000	1,880	614	88	778	202	175	3.3	0.3	90	7
8	3.3	50	28,800	1,290	572	90	502	568	88	1.2	0.2	85	8
9	4.6	45	23,400	942	542	83	445	666	80	1.2	0.2	79	9
10	5.6	31	21,500	758	518	69	455	815	74	0.9	0.2	72	10
11	5.6	13	22,500	710	498	57	361	973	54	0.9	0.2	63	11
12	6.6	9.6	21,600	735	500	63	287	1,080	52	0.9	0.2	40	12
13	29	7.8	16,800	825	508	138	222	1,130	51	0.9	0.2	19	13
14	32	7.8	11,100	942	500	824	169	1,130	45	0.3	0.1	13	14
15	18	5.1	6,160	1,560	488	728	122	1,120	1.5	0.1	0.1	11	15
16	12	4.1	3,840	2,400	470	580	77	1,130	0.0	0.0	0.1	11	16
17	12	3.0	2,850	6,660	452	440	69	1,170	0.0	0.0	0.1	12	17
18	12	3.0	2,640	7,600	424	301	69	1,090	0.0	0.2	0.1	12	18
19	13	1.8	2,590	6,590	354	246	69	990	0.0	0.3	0.1	10	19
20	14	1.5	2,880	22,100	263	180	63	856	0.0	0.6	0.1	10	20
21	14	1.2	2,860	30,600	186	148	72	757	0.0	0.6	0.0	11	21
22	13	1.8	3,010	26,500	169	126	68	611	0.0	0.6	0.0	11	22
23	13	2.1	2,740	21,500	160	118	54	529	0.0	0.6	0.0	9.0	23
24	14	2.4	2,360	16,300	142	115	44	352	0.0	0.2	0.0	4.1	24
25	19	3.0	2,260	11,200	130	99	25	109	0.0	0.1	0.0	3.7	25
26	25	5.6	2,330	7,150	122	164	12	74	0.0	0.1	0.0	12	26
27	25	5.6	2,280	4,990	109	1,830	5.6	56	0.0	0.0	0.0	21	27
28	24	22	2,200	3,790	118	2,750	6.1	58	0.0	0.0	0.0	30	28
29	21	1,650	2,190	3,060		3,990	11	80	9.6	0.0	0.0	22	29
30	13	4,110	2,840	2,590		6,180	9.6	466	16	0.1	0.0	20	30
31	9.0		2,700	1,840		5,180		822		0.2	0.0		31
MEAN	15.1	203	10,820	6,400	545	812	628	549	163	3.4	0.1	34.1	MEAN
MAX.	48	4,110	32,500	30,600	1,620	6,180	3,590	1,170	868	26	0.6	92	MAX.
MIN.	3.3	1.2	2,190	710	109	57	5.6	12	0.0	0.0	0.0	0.0	MIN.
AC. FT.	929	12,080	665,100	393,300	30,260	49,950	37,380	33,770	9,710	207	6.7	2,030	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
1,705	33,300	25.64	12	5	0700	0.0		6	16		1,235,000

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

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

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

WATER YEAR	STATION NO.	STATION NAME
1971	B07020	SAN JOAQUIN RIVER NEAR VERNALIS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1,420 *	1,120	3,580 *	5,880	4,730 *	2,620 *	2,270 *	1,390	1,910 *	2,040	780	1,000 *	1
2	1,530	1,140 *	3,430	5,920	4,740	2,570	2,130	1,560	1,760	1,700	870	1,010	2
3	1,550	1,150	3,590	6,080	5,100	2,420	2,050	1,760 *	1,650	1,530	870 *	980	3
4	1,590	1,190	3,590	6,110	4,980	2,380	2,000	1,830	1,600	1,490	790	986	4
5	1,600	1,270	3,640	6,040 *	4,710	2,400	1,820	1,860	1,500	1,530	775	1,020	5
6	1,640	1,360	4,620	5,780	4,670	2,380	1,820	1,900	1,440	1,370 *	770	1,010	6
7	1,570	1,470	5,230	5,100	4,700	2,390	1,930	1,860	1,480	1,180	830	1,030	7
8	1,530	1,530	5,270	4,780	4,700	2,470	1,980	1,960	1,380	1,140	845	986	8
9	1,500	1,520	4,730	4,710	4,580	2,440	1,940	2,360	1,550	1,090	850	997	9
10	1,540	1,480	3,830	4,660	4,600	2,280	1,950	2,620	2,030	1,050	795	930	10
11	1,570	1,470	3,260	4,560	4,620	2,280	2,050	2,430	2,470	1,080	757	940	11
12	1,560	1,550	3,590	4,410	4,740	2,300	2,000	2,240	2,450	1,110	762	1,110	12
13	1,550	1,560	3,900	4,380	4,690	2,470	1,740	1,980	2,350	1,050	734	1,150	13
14	1,590	1,590	4,150	5,070	4,290	2,690	1,980	1,860	2,330	940	795	1,040	14
15	1,650	1,600	4,350	5,660	4,010	3,020	2,150	1,650	2,760	900	950	935	15
16	1,820	1,570	4,550	5,900	4,140	3,140	2,060	1,590	3,060	865 *	1,010	890	16
17	1,860	1,600	4,660	5,530	4,630	3,060	2,240	1,840	2,890	860	945	890	17
18	1,670	1,570	5,060	5,150	4,670	2,860	2,440	2,260	2,700	945	875	945	18
19	1,530	1,540	5,470	5,080	4,670	2,630	2,570	2,330	2,860	1,040	870	986	19
20	1,440	1,520	5,760	5,140	4,580	2,500	2,500	2,270	3,030	930	890	1,050	20
21	1,370	1,520	6,100	5,160	4,560	2,330	2,440	1,840	2,960	830	830	1.020	21
22	1,300	1,620	6,330	5,220	4,510	2,320	2,110	1,700	2,590	762	930	1,050	22
23	1,280	1,750	6,630	5,230	4,410	2,290	1,700	1,530	2,510	757	1,070	1,120	23
24	1,280	1,800	6,610	5,460	3,980	2,290	1,660	1,520	2,360	748	1,080	1,260	24
25	1,290	1,860	6,500	5,560	3,830	2,310	1,720	1,390	2,210	805	970	1,300	25
26	1,250	1,950	6,510	5,370	3,470	2,880	1,680	1,300	2,400	935	870	1,350	26
27	1,240	1,990	6,500	5,030	2,990	3,220	1,580	1,230	2,280	905	945	1,440	27
28	1,200	2,040	6,400	4,780	2,660	3,100	1,550	1,310	2,860	905	925	1,510	28
29	1,200	2,750	6,310	4,560		2,970	1,410	1,590	3,900	875	1,060	1,480	29
30	1,190	3,570	6,240	4,440		2,760	1,370	1,790	2,390	855	1,120	1,500	30
31	1,140		5,970	4,560		2,500		2,060		825	1,080		31
MEAN	1,466	1,655	5,044	5,204	4,391	2,589	1,961	1,833	2,322	1,066	892	1,097	MEAN
MAX.	1,860	3,570	6,630	6,110	5,100	3,220	2,570	2,620	3,900	2,040	1,120	1,510	MAX.
MIN.	1,140	1,120	3,260	4,380	2,660	2,280	1,370	1,230	1,380	748	734	890	MIN.
AC. FT.	90,150	98,480	310,100	320,000	243,900	159,200	116,700	112,700	138,200	65,540	54,830	65,290	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
2,452	6,710	16.69	12	23	1530	734	9.11	8	13		1,775,000

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 ♂	JUL 22-DEC 23 ♂	1931	1959	5.06	USCGS
						JAN 24-FEB 25	JAN 24-FEB 25	1959		0.00	USCGS
						JUN 25-OCT 28 ♂	JUN 25-OCT 28 ♂	1959		3.3	USED
						MAY 29-DATE	MAY 29-DATE				

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

♂ - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	B02920	DUCK CREEK DIVERSION NEAR FARMINGTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1		0.0	108										1
2		0.0	45										2
3		0.0	0.0										3
4		0.0	0.0										4
5		0.0	0.0										5
6		0.0	0.0										6
7		0.0	0.0										7
8		0.0	0.0										8
9		0.0	0.0										9
10	N	0.0	0.0	N	N	N	N	N	N	N	N	N	10
11	O	0.0	0.0	O	O	O	O	O	O	O	O	O	11
12		0.0	0.0										12
13		0.0	0.0										13
14		0.0	0.0										14
15	F	0.0	0.0	F	F	F	F	F	F	F	F	F	15
16	L	0.0	0.0	L	L	L	L	L	L	L	L	L	16
17		0.0	0.0										17
18	O	0.0	0.0	O	O	O	O	O	O	O	O	O	18
19		0.0	0.0										19
20	W	0.0	0.0	W	W	W	W	W	W	W	W	W	20
21		0.0	7.1										21
22		0.0	0.0										22
23		0.0	0.0										23
24		0.0	0.0										24
25		0.0	0.0										25
26		0.0	0.0										26
27		0.0	0.0										27
28		36	0.0										28
29		345	0.0										29
30		12	0.0										30
31			0.0										31
MEAN		13.1	5.2										MEAN
MAX.		345	108										MAX.
MIN.		0.0	0.0										MIN.
AC. FT.		780	318										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
1.5	910		11	29		0.0		10	01		1,100

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 56 18	120 59 21	NE 16 1N 9E	3,690	7.65	4-2-1958	SEPT 1951-DATE	SEPT 1951-DATE	1951		105.0	USGS

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

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

WATER YEAR	STATION NO.	STATION NAME
1971	B02870	LITTLEJOHN CREEK AT FARMINGTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	7.4	2.9	1051	75	25	4.4	17	4.4	4.6	3.8	4.8	5.0	1
2	9.6	2.4	990	98	24	4.2	10	4.8	5.2	4.2	3.3	4.6	2
3	11	2.0	1390	108	22	3.8	8.3	5.6	5.6	5.6	3.2	4.6	3
4	10	2.4	1264	78	21	3.6	7.0	4.6	4.8	5.2	3.8	5.8	4
5	9.2	5.4	537	60	18	3.3	5.2	3.9	4.8	4.8	5.0	7.0	5
6	7.4	6.6	450	45	16	3.4	4.4	4.2	5.0	5.2	3.8	6.8	6
7	7.4	16	344	32	16	2.6	4.4	4.4	5.6	4.4	4.2	6.0	7
8	6.6	11	386	48	14	3.5	5.0	5.6	3.9	5.2	4.0	4.8	8
9	6.2	8.8	348	44	13	3.5	4.4	4.4	4.8	6.0	3.7	4.6	9
10	3.7	8.8	328	42	12	3.3	4.4	5.6	7.0	7.2	4.0	6.0	10
11	4.0	7.4	132	40	10	3.2	4.0	6.6	7.6	7.0	5.6	5.6	11
12	7.6	6.6	106	39	9.2	2.8	4.2	7.8	7.4	5.8	4.6	7.0	12
13	7.0	5.4	87	112	8.0	3.6	4.4	7.4	6.0	5.4	4.0	9.2	13
14	6.4	6.0	70	312	7.2	6.0	4.6	6.4	3.8	4.4	4.6	12	14
15	9.2	3.4	55	348	6.6	10	4.8	5.8	3.2	4.6	4.3	12	15
16	9.2	3.4	41	448	6.0	11	5.0	4.8	3.3	5.6	5.6	10	16
17	8.0	3.3	125	159	5.6	9.5	4.6	4.2	3.3	5.6	4.6	8.3	17
18	7.6	2.8	218	113	5.2	8.0	5.4	3.5	4.4	6.0	4.2	7.8	18
19	6.0	2.3	310	88	5.0	6.4	5.6	2.7	5.2	5.8	4.0	7.4	19
20	8.4	1.8	356	68	4.8	5.4	5.6	3.4	4.4	5.6	3.9	9.5	20
21	18	1.4	354	52	4.6	3.4	5.8	3.8	4.0	4.8	5.0	10	21
22	17	1.3	515	38	4.8	2.3	5.4	3.4	3.5	4.4	5.8	10	22
23	13	1.2	342	28	5.2	2.5	5.6	3.8	3.9	5.0	5.6	8.0	23
24	9.6	1.3	412	51	4.8	2.4	4.4	3.9	4.0	3.9	5.2	7.0	24
25	7.4	2.2	338	48	5.0	2.4	4.0	5.6	4.4	4.4	5.0	5.0	25
26	6.2	5.0	125	44	4.6	4.2	3.6	4.4	3.7	5.6	3.9	7.0	26
27	5.2	7.8	129	39	4.4	103	3.6	4.2	3.6	5.6	4.4	7.8	27
28	5.2	26	156	35	4.8	74	3.7	4.4	3.3	3.9	3.3	7.8	28
29	4.2	669	126	32		51	4.2	3.9	3.4	3.8	3.6	11	29
30	3.8	814	113	29		36	5.2	4.6	3.7	4.6	5.2	11	30
31	3.4		92	27		25		4.4		4.4	4.8		31
MEAN	7.9	54.6	364	89.7	10.2	13.2	5.5	4.7	4.6	5.1	4.4	7.6	MEAN
MAX.	18	814	1390	448	25	103	17	7.8	7.6	7.2	5.8	12	MAX.
MIN.	3.4	1.2	41	27	4.4	2.3	3.6	2.7	3.2	3.8	3.2	4.6	MIN.
AC. FT.	486	3,250	22,390	5,510	569	809	325	291	272	313	272	453	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
48.3	1,390		12	03		1.2		11	23		34,950

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 55 38	121 00 08	NE 20 1N 9E	3,590	15.40	4-3-1958	JUNE 1952-DATE	JUNE 1952-DATE	1952		89.97	USCGS

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

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

WATER YEAR	STATION NO.	STATION NAME
1971	B02805	FRENCH CAMP SLOUGH NEAR FRENCH CAMP

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	3.5	1,490	83	25	4.0	54		NR	47	40	73	1
2	NR	2.6	1,360	79	24	4.8	65		NR	44	30	75	2
3	70	2.9	1,610	110	23	5.5	57		NR	67	NR	68	3
4	70	14	1,560	85	23	5.0	57		102	75	NR	74	4
5	72	44	838	71	22	3.8	49		100	46	NR	90	5
6	85	51	522	64 *	19	2.4	44		90	49	NR	98	6
7	93	51	404	58	18	4.8	77		62	54	NR	77	7
8	88	50	200	48	17	8.5	56		55	40	NR	84	8
9	61	20 *	157 *	42	16 *	37	69		75	53	NR	98	9
10	83	15	136	39	15	29	65	N	94	54	NR	126	10
11	81	10	115	39	14	69 *	69	O	95 *	39	NR	111	11
12	108	8.9	94	38	13	74	48		79	30	NR	87	12
13	79	7.3	77	39	12	99	45		107	18	NR	117 *	13
14	84	10	65	252	9.8	37	102		83	24	NR	142	14
15	90	6.4	58	373	8.8	26	83	R	62	9.7	NR	136	15
16	82	2.9	51	314	8.0	22	65 *	E	42	7.3	NR	142 *	16
17	87	2.8	63	174	8.3	22	88		38	38	NR	122	17
18	63	3.3	164	127	7.9	26	98	C	24	26	19	118	18
19	54	6.2	238	102	8.2	26	88		52	27	23	113	19
20	38	5.8	404	81	7.9	28	74	O	42	9.8	32	102	20
21	27	3.3	338	68	5.9	22	66	R	49	6.6 *	35	106	21
22	24	2.8	547	59	4.7	30	54		14	7.2	58	100	22
23	20	2.5	505	51	5.2	42	NR	D	17	17	59	115	23
24	13	3.2	237	45	6.0	45	NR		17	38	64	115	24
25	10	6.1	162	40	5.6	75	NR		29	46	65	115	25
26	8.6	24	125	36	5.5	139 *	NR		21	40	47	131	26
27	6.9	74	111	33	4.8	154	NR		18	24	57	117	27
28	6.5	37	143	33	4.0	144	NR		33	24	67	111	28
29	5.2	784	129	34 *		97	NR		43	24	100	107	29
30	5.1	1,020	112	34		75	NR		44	39	72	127	30
31	4.6		97	28		56				45	81		31
MEAN	NR	75.8	390	86.4	12.2	45.6	NR	NR	NR	34.5	NR	106	MEAN
MAX.	NR	1,020	1,610	373	25	154	NR	NR	NR	75	NR	142	MAX.
MIN.	NR	2.5	51	28	4.0	2.4	NR	NR	NR	6.6	NR	68	MIN.
AC. FT.	NR	4,511	24,024	5,314	678	2,802	NR	NR	NR	2,120	NR	6,341	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	1,720	9.27	12	3	2100	NR					NR

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

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

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1971	802520	CALAVERAS RIVER NEAR STOCKTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.3	0.0	13	12	10	0.2	10	12	6.0	9.3	5.1	26	1
2	5.1*	0.0	18	12	2.9	4.5	4.1*	13	12	19	12	30	2
3	8.4	0.0	14	13	3.6	4.2*	1.7	11	17	22	14	24	3
4	9.1	0.0	11	9.1*	7.4	11	1.1	12	14	29	12	13	4
5	9.9	0.0	13	7.4	7.5	12	1.3	13	8.9	28	10	20	5
6	5.8	0.0*	8.7	6.2	7.4	12	1.4	6.6	5.8	16	10	18	6
7	3.7	0.0	6.7	5.4	7.2	12	1.0	1.9	2.4	7.4	12	17	7
8	1.1	0.0	5.9	4.8	7.1	12	0.9	1.7	15	3.1	17	12	8
9	1.4	0.0	5.9	7.0	7.1	8.8	0.9	2.0	8.9	9.0	10	9.5	9
10	0.3	0.0	6.0	7.1	6.9	9.7	0.9	2.0	18	13	4.9	12	10
11	0.1	0.0	4.8	7.1	6.8	9.5	0.9	5.3	21	14	1.5	16	11
12	0.0	0.0*	4.0	7.3	6.8	12	1.0	6.8	17	9.2	14	19	12
13	0.0	0.0	3.3	19	6.7	18	0.7	4.6	15	9.8	8.1	14	13
14	0.0	0.0	2.8	31	6.6	19	0.2	2.8	24	16	14	8.7	14
15	0.0	0.0	2.6	20	6.5	15	0.2	2.4	15	11	19	2.9	15
16	0.0	0.0	2.5	19	6.5	5.4	0.3	1.8	6.8	12	12	3.3	16
17	0.0	0.0	5.5	20	6.4	4.2	0.4	6.0	19	19	15	1.0*	17
18	0.0	0.0	12	19	6.3	3.0	0.5	7.3	19	27	9.9	6.5	18
19	0.0	0.0	15	19	6.4	1.7	0.4	4.6*	17	17	17 *	22	19
20	0.0	0.0	16	27	6.4	2.4	0.4	1.7	23	11 *	14	22	20
21	0.0	0.0	20	26	6.4	7.1	0.4	7.8	15	14	4.8	16	21
22	0.0	0.0	18	22	6.3	4.6	0.3	15	9.6	15	24	19	22
23	0.0	0.0	15	20	6.2	1.6	0.2	19	11	12	7.3	15	23
24	0.0	0.0	14	20	6.0	2.2	2.6	21	17	13	20	18	24
25	0.0	0.0	14	20	5.7	19	7.8	20	16	13	12	16	25
26	0.0	0.0	14	22	5.6	3.8	4.5	22	14	4.2	13	13	26
27	0.0	0.0	15	18	0.9	22	2.5	22	22	11	18	9.8	27
28	0.0	0.0	16	16	0.0	7.5	7.3	9.6	10	26	17	19	28
29	0.0	7.8	17	15 *		2.4	19	4.1	5.9	37	22	21	29
30	0.0	22 *	17	11		0.3	17	16	3.7	27	16	20	30
31	0.0		14	10		13		14		8.2	13		31
MEAN	1.5	1.0	11.1	15.2	6.1	8.4	3.0	9.3	13.6	15.6	12.9	15.5	MEAN
MAX.	9.9	22.0	20.0	31.0	10.0	22.0	19.0	22.0	24.0	37.0	24.0	30.0	MAX.
MIN.	0.0	0.0	2.5	4.8	0.0	0.2	0.2	1.7	2.4	3.1	1.5	1.0	MIN.
AC. FT.	92	59	684	937	336	516	178	573	811	956	791	920	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
9.5	85	4.65	03	25	1500	0.0	3.10	10	08	2330	6853

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

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

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

WATER YEAR	STATION NO.	STATION NAME
1971	B02560	MORMON SLOUGH AT BELLOTA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	0.0	535 *	479	28	11	18						1
2	NR	0.0	685	384	31	12	12						2
3	NR	0.0	231	365	22	6.6 *	9.7						3
4	NR	0.0	326 *	325	21	1.9	8.2						4
5	NR	0.0	232	245	20	1.5	15						5
6	NR	0.0 *	91	205 *	19	1.5	89						6
7	NR	0.0	56	191	19	1.5	NR						7
8	NR	0.0	35	82	17	1.4	NR						8
9	NR	0.0	68 *	44	16	1.3	NR						9
10	NR	0.0	57	36	16 *	1.1	NR	N	N	N	N	N	10
11	NR	0.0	27	33	14	1.3	NR	O	O	O	O	O	11
12	NR	0.0	16	39	13	7.2	NR						12
13	NR	0.0	10	190	13	69	NR						13
14	NR	0.0	6.7	351	13	31	NR						14
15	NR	0.0	4.2	642	13	22	NR	R	R	R	R	R	15
16	NR	0.0	31	1,280	13	24	NR	E	E	E	E	E	16
17	NR	0.0	430	1,300	13	18	NR						17
18	NR	0.0	616	1,290 *	13	17	NR	C	C	C	C	C	18
19	NR	0.0	955	1,120	14	16	NR						19
20	NR	0.0	905	499	17	8.6	NR	O	O	O	O	O	20
21	NR	0.0	1,230	445	14	8.5	NR	R	R	R	R	R	21
22	NR	0.0	1,000	245	12	8.2	NR						22
23	NR	0.0	904	224	12	13	NR	D	D	D	D	D	23
24	0.0	0.0	875	218	12	21	NR						24
25	0.0	0.0	862	198	11	33	NR						25
26	0.0	0.0	860	57	10	480	NR						26
27	0.0	0.0	920	29	9.5	289	NR						27
28	0.0	17	932	23	9.5	121	NR						28
29	0.0	725	849	24		84	NR						29
30	0.0	293	617	24		39	NR						30
31	0.0		568	23		15							31
MEAN	NR	34.5	481	342	15.5	44.1	NR	NR	NR	NR	NR	NR	MEAN
MAX.	NR	725	1,230	1,300	31.0	480	NR	NR	NR	NR	NR	NR	MAX.
MIN.	0.0	0.0	4.2	23	9.5	1.1	NR	NR	NR	NR	NR	NR	MIN.
AC. FT.	NR	2,053	29,621	21,045	863	2,709	NR	NR	NR	NR	NR	NR	AC. FT.

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

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	1,420	7.27	12	21	0745	0.0					NR

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

Station located 0.2 mile above Farmington-Bellota Highway bridge, 0.2 mile east of Bellota. Flow regulated by Hogan Reservoir. During irrigation season, flow is reregulated by boards placed across diversion dam immediately downstream which control 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.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1971	802580	STOCKTON DIVERTING CANAL AT STOCKTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.1	0.0	693 *	529	8.5	0.0	8.0	3.3	15	0.4	36	38	1
2	2.4	0.0	1,120	390	12	0.1	7.5*	5.4	18	0.8	28	81	2
3	14	0.0	573	391	12	0.8*	4.5	4.7	17	2.1	2.4	56	3
4	23	5.6	419 *	342	8.2	1.1	0.9	4.0	4.1	12	0.1	45	4
5	20	0.3*	560	259	7.6	0.2	0.0	3.2	0.7	24	0.1	33	5
6	24	7.9	200	213 *	7.0	0.0	0.0	3.1	0.2	2.8	20	35	6
7	23	26	96	188	7.2	0.0	0.0	2.9	0.5	0.2	4.7	14	7
8	27	17	52	128	9.6	0.0	0.2	2.1	0.5	0.1	1.2	42	8
9	2.1	13	137	35	8.7	0.0	7.0	3.1	0.2	0.2	0.0	61	9
10	0.0	5.2	139	26	7.0	0.0	4.0	4.9	0.1	0.0	0.0	26	10
11	0.0	0.5	57	24	5.4	0.0	1.2	1.2	0.0	0.0	12	26	11
12	0.0	0.0	33	24	5.1	0.5	0.1	0.9	0.0	0.0	43	22	12
13	0.0	0.0	21	104	7.2	0.0	0.0	0.7	0.0	0.7	0.1	8.5	13
14	0.0	0.0	13	414	5.4	25	0.1	1.2	0.2	0.3	0.0	2.4	14
15	0.0	0.0	6.3	549	3.5	11	0.0	2.5	9.9	0.0	2.7	2.7	15
16	0.0	0.0	3.2	1,320	2.9	8.8*	0.0	2.9	17	0.0	16	0.2	16
17	0.0	0.0	336	1,350	2.6	9.8	0.1	8.1	9.4	0.0	2.9	0.6*	17
18	0.0	0.0	794	1,310 *	2.6*	7.2	0.0	6.4	2.3	2.0	0.0	29	18
19	0.0	0.0	1,250	1,260	2.7	5.8	0.0	0.8	1.5	54	1.5*	67	19
20	0.0	0.0	1,210	514	3.1	5.5	0.0	1.8*	2.7	6.9	13	41	20
21	0.0	0.0	1,530	470	5.5	1.1	0.0	2.1	5.3	0.6*	50	18	21
22	0.0*	0.0	1,320	261	4.2	0.1	0.0	1.0	14	0.0	48	15	22
23	0.0	0.0	1,080	215	2.6	0.1	0.0	1.1	12	0.0	43	65	23
24	0.0	0.0	1,010	207	1.9	0.0	0.0	1.6	4.1	0.0	20	70	24
25	0.0	1.3	966	202	0.7	8.4	0.2	1.3	0.9	0.0	2.8	50	25
26	0.0	0.6	952	96	0.3*	291 *	0.9	0.6	0.6	0.1	35	28	26
27	0.0	0.0	1,000	20	0.6	552	0.9	1.2	6.6	0.6	13	23	27
28	0.0	7.5	1,050	12	0.0	176	0.5	24	7.7	0.1	1.0	12	28
29	0.0	978	982	8.5		93	0.1	29	0.6	1.2	0.0	4.8	29
30	0.0	739	694	8.3		48	1.7	35	0.1	17	5.2	8.4	30
31	0.0		619	9.1		17		46		38	21		31
MEAN	4.4	60.1	610	350	5.1	40.7	1.3	6.6	5.0	5.3	13.6	30.8	MEAN
MAX.	27.0	978	1,530	1,350	12.0	552	8.0	46.0	18.0	54.0	50.0	81.0	MAX.
MIN.	0.0	0.0	3.2	8.3	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.2	MIN.
AC. FT.	273	3574	37518	21578	286	2504	75	409	300	325	838	1834	AC. FT.

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

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
96.0	2140	9.40	11	29	1800	0.0	2.64	10	10	2230	69515

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 59 12	121 15 30	SE 42 2N 6E	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 by Mormon Slough and returned to the river by Stockton Diverting Canal.

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

WATER YEAR	STATION NO.	STATION NAME
1971	B02010	BEAR CREEK NEAR LODI

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	320 *	25	5.8	9.8	11						1
2	0.1 *	0.3	528	36	5.8	2.8 *	2.3						2
3	0.1	0.3	219	42	6.1	0.5	2.4						3
4	0.0	4.9	270	24 *	5.1	0.4	8.0						4
5	0.0	24 *	161	17	4.0	0.2	7.7						5
6	0.0	15	60	15	2.9	0.2	5.8						6
7	0.9	23	35	13	2.4	4.0	4.3						7
8	0.7	17	34	11	2.3	2.7	2.2						8
9	0.3	9.1	103 *	10	1.8	0.9	5.8						9
10	0.1	6.5	40	9.4	1.7 *	0.9	8.5	N	N	N	N	N	10
11	0.1	3.8	24	9.3	1.3	0.4	7.3	O	O	O	O	O	11
12	0.0	3.3	19	11	1.4	1.7	4.3						12
13	0.1	2.4	15	110	1.3	26	0.4						13
14	0.1	1.4	15	108	1.6	24	0.5						14
15	0.6	1.0	12	41	1.5	15	2.3	R	R	R	R	R	15
16	1.5	0.9	26	27	1.3	12	NR	E	E	E	E	E	16
17	1.0	0.8	201	22	1.1	8.8	NR						17
18	0.1	0.6	120	19	0.9	4.9	NR	C	C	C	C	C	18
19	0.1	0.6	118	16	3.1	4.1	NR						19
20	7.7	0.5	76	15	3.4	2.0	NR	O	O	O	O	O	20
21	27	0.5	450	14	7.1	0.1	NR	R	R	R	R	R	21
22	23	0.9	228	13	4.4	0.0	NR						22
23	15	0.9	71	11	2.8	0.0	NR	D	D	D	D	D	23
24	11	1.1	37	10	1.5	0.1	NR						24
25	8.8	3.5	27	9.2	1.7	1.9	NR						25
26	2.8	18	24	8.4	0.7	77	NR						26
27	2.8	20	89	7.6	0.7	151	NR						27
28	0.3	23	98	6.9	1.6	41	NR						28
29	0.1	607	56	6.7		25	NR						29
30	0.1	355 *	54	6.5		18	NR						30
31	0.0		33	6.0		13							31
MEAN	3.4	38.2	114	21.9	2.7	14.5	NR	NR	NR	NR	NR	NR	MEAN
MAX.	27	607	528	110	7.1	151	NR	NR	NR	NR	NR	NR	MAX.
MIN.	0.0	0.0	12	6.0	0.7	0.0	NR	NR	NR	NR	NR	NR	MIN.
AC. FT.	207	2,272	7,067	1,349	149	889	NR	NR	NR	NR	NR	NR	AC. FT.

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

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
NR	1,050	4.28	11	29	1415	0.0					NR

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 03 37	121 12 28	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.

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

WATER YEAR	STATION NO.	STATION NAME
1971	B02105	MOKELUMNE RIVER AT WOODBRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	367	300	593	831	820	830	421	163	277	769	40	82	1
2	380	280	688	844	818	438	403	253	272	750	44	126	2
3	371	268	679	848	828	632	396	247	265	753	40	201	3
4	378	302	673	848	819	674	392	240	257	758	35	332	4
5	379	285	1,230	848	824	657	345	237	211	768	33	353	5
6	382	275	1,400	846	822	562	349	150	230	754	35	358	6
7	371	273	1,420	851	822	544	360	165	236	463	35	353	7
8	369	266	1,430	855	822	455	357	163	224	245	36	374	8
9	369	263	1,440	856	829	492	359	186	199	264	36	437	9
10	401	263	1,440	856	832	459	359	231	206	420	37	463	10
11	396	363	1,440	855	835	444	368	212	213	447	36	523	11
12	394	392	1,440	731	836	471	314	189	254	467	34	527	12
13	410	393	1,440	687	837	486	285	172	264	456	32	536	13
14	399	393	1,440	669	838	490	297	150	263	443	30	546	14
15	405	394	1,420	657	838	500	276	111	254	393	27	592	15
16	400	394	919	653	838	501	252	114	318	311	54	565	16
17	401	394	792	653	816	516	241	112	312	282	59	570	17
18	409	394	764	653	815	522	235	75	309	305	36	580	18
19	415	394	751	649	835	518	237	80	313	310	33	585	19
20	430	397	741	649	832	452	243	190	321	280	41	610	20
21	425	455	760	646	834	439	206	208	332	243	65	620	21
22	509	474	752	646	843	381	165	244	348	243	75	630	22
23	501	476	736	646	840	391	185	242	349	244	74	640	23
24	498	477	763	646	843	386	159	239	367	248	67	650	24
25	494	495	761	646	832	420	148	244	330	264	40	655	25
26	491	493	759	648	832	456	167	248	115	250	38	670	26
27	490	488	761	781	831	456	157	243	297	111	47	700	27
28	397	544	763	814	831	449	157	250	875	85	76	720	28
29	262	619	754	816		449	153	262	739	71	93	740	29
30	693	588	464	818		451	157	265	719	57	82	750	30
31	358		693	820		440		276		45	80		31
MEAN	418	393	971	751	830	496	271	199	322	371	48.1	516	MEAN
MAX.	693	619	1,440	856	843	830	421	276	875	769	93	750	MAX.
MIN.	262	263	464	646	815	381	148	75	115	45	27	82	MIN.
AC. FT.	25,670	23,390	59,720	46,150	46,100	30,470	16,150	12,220	19,180	22,810	2,960	30,720	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
463	1,440	12.14	12	13	1630	27		8	15		335,500

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 09 30	121 18 10	NE 34 4N 6E	27,000	29.58	11-22-1950	MAY 24-OCT 25 ü JAN 26-DATE	MAY 1924-DATE	1924 1931	1931	18.9 14.9	USCGS USCGS

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

ü - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1971	821160	SUTTER CREEK NEAR SUTTER CREEK

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.3	2.9	174	63	29	18	49 *	16	12	5.4	0.4	0.0	1
2	0.2	2.9	226	62	28	17	45	17	11	5.3	0.5	0.0	2
3	0.2	2.9	96	49	27	17	33	18	11	4.9	0.3	0.0*	3
4	0.3	4.6	355	41	25	18	32	21	10	4.5	0.1	0.0	4
5	0.4	8.9	139	37	25	18	30	20	9.8	4.3	0.1	0.0	5
6	0.5	10	75	33	24	17	34	19	9.3	4.2	0.0	0.0	6
7	0.7	17	53	31	24	16	39	19	9.0	4.0	0.0	0.0	7
8	0.7*	7.6	63	29	23	15	29	26	8.6	3.8	0.0	0.0	8
9	0.8	5.6	97	28	22	15	27	22	8.4	3.5	0.0	0.0	9
10	0.9	5.1	59	26	22 *	14	28	19	8.6	3.6	0.0	0.0	10
11	0.9	5.3	44	33	21	13	26	17	8.5	3.4	0.0	0.0	11
12	0.9	7.3	35	85	21	41	24	16	7.9	3.4	0.0	0.0	12
13	0.9	7.1	30	89	20	74	23	15	7.5	3.2	0.0	0.0	13
14	1.0	5.9	26	99	20	36	24	15	7.4	3.0	0.0	0.0	14
15	1.2	5.6	23	89	20	35	23	14	6.9	2.8	0.0	0.0	15
16	1.2	5.4	82	82	19	27 *	22 *	13	6.5	2.5	0.0	0.0	16
17	1.2	5.2*	110	118	21	24	26	13	6.2	2.3	0.0	0.0	17
18	1.3	5.2	80	101	19	22	24	13	5.9	2.2	0.0	0.0	18
19	1.3	5.3	66	86	28	19	22	12 *	6.0	2.3	0.0*	0.0	19
20	1.8	5.2	57	77	22	18	22	12	6.0	2.0*	0.0	0.0	20
21	2.3	5.2	86	68	20	17	24	12	5.9	1.9	0.0	0.0	21
22	2.3	5.2	75	61	19	16	22	12	5.5	1.7	0.0	0.0	22
23	3.0	5.2	59	55	19	19	21	12	5.4	1.6	0.0	0.0	23
24	3.8	5.8	49	49	18	20	20	11	5.1	1.5	0.0	0.0	24
25	3.1	26	41	44	17	43	21	11	5.0	1.5	0.0	0.0	25
26	2.7	64	37	40	17	331 *	20	10	5.0	1.5	0.0	0.0	26
27	2.6	21	77	38	16	154	20	12	8.9	1.3	0.0	0.0	27
28	2.6	34	110	36	17	92	19	13	8.0	1.0	0.0	0.0	28
29	2.7	122	115 *	33		71	18	13	6.4	1.0	0.0	0.0	29
30	2.8	75	91	32		59	17	13	5.7	0.8	0.0	0.0	30
31	2.9		73	30		52		12		0.6	0.0		31
MEAN	1.5	16.3	87.2	56.3	21.5	43.5	26.1	15.1	7.6	2.7	0.0	0.0	MEAN
MAX.	3.8	122	355	118	29.0	331	49.0	26.0	12.0	5.4	0.5	0.0	MAX
MIN.	0.2	2.9	23.0	26.0	16.0	13.0	17.0	10.0	5.0	0.6	0.0	0.0	MIN.
AC. FT.	94	969	5361	3459	1196	2674	1555	928	451	169	3		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
23.3	689	3.15	03	26	1215	0.0	0.46	08	06	2300	16859

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 23 45	120 46 50	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
1971	B01520	DRY CREEK NEAR GALT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.6	0.0	1,300	257	73	36	105	28	17				1
2	0.3	0.0	1,680	266	71	34	91	28	4.4				2
3	2.0	0.0	834	237	67	32	72	31	7.0				3
4	2.6	0.0	1,490	195	63	32	52	35	6.6				4
5	3.3	0.0	1,370	170	61	33	62	28	1.3				5
6	1.2	0.0	404	155	60	31	116	20	0.0				6
7	0.3	0.0	241	145	58	28	126	19	0.2				7
8	0.2	0.0	202	135	56	26	126	27	0.0				8
9	2.0	0.0	249	127	53	25	103	40	0.0				9
10	1.8	0.0	194	120	51	23	95	35	0.0	N	N	N	10
11	1.2	0.0	159	115	50	22	95	29	0.0	O	O	O	11
12	1.7	0.0	144	192	49	26	84	28	0.0				12
13	1.6	0.0	133	426	47	249	78	25	0.0				13
14	0.3	0.0	120	489	46	124	78	19	0.0				14
15	0.0	0.0	113	380	45	94	73	22	0.0	F	F	F	15
16	0.0	0.0	158	295	45	76	68	22	0.0	L	L	L	16
17	0.0	0.0	441	279	49	63	67	18	0.0				17
18	0.0	0.0	351	273	48	52	73	20	0.0	O	O	O	18
19	0.0	0.0	256	230	67	47	64	19	0.0				19
20	0.0	0.0	197	196	68	44	54	24	0.0	W	W	W	20
21	0.0	0.0	313	168	53	39	56	24	0.0				21
22	0.0	0.0	474	148	48	41	55	18	0.0				22
23	0.0	0.0	341	133	45	48	48	20	0.0				23
24	0.0	0.0	265	121	43	71	42	17	0.0				24
25	0.0	0.0	226	111	40	78	45	18	0.0				25
26	0.0	0.0	213	102	36	1,280	40	14	0.0				26
27	0.0	14	257	96	34	1,600	32	18	0.0				27
28	0.0	20	370	90	34	462	32	17	0.0				28
29	0.0	814	373	85		315	30	17	0.0				29
30	0.0	698	375	80		247	29	20	0.0				30
31	0.0		298	76		133		18					31
MEAN	0.6	51.5	437	189	52.1	175	69.7	23.2	1.2				MEAN
MAX.	3.3	814	1,680	489	73	1,600	126	40	17				MAX.
MIN.	0.0	0.0	113	76	34	22	29	14	0.0				MIN.
AC. FT.	40	3,070	26,860	11,610	2,900	10,730	4,150	1,420	73				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
84.2	2,960	13.26	3	26	2230	0.0		10	15		60,920

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 14 48	121 13 03	NE 32 5N 7E	24,000	15.28	4-3-1958	OCT 26-SEPT 33	OCT 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
1971	801580	DEER CREEK NEAR SLOUGHHOUSE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	462	54	19	9.0	26	6.4	1.8	0.0	0.0	0.0	1
2	0.0	0.0	773 *	134	18	7.0	20 *	6.0	1.7	0.0	0.0	0.0	2
3	0.0	0.0	205	54	17	6.4	17	6.5	1.4	0.0	0.0	0.0*	3
4	0.0	0.9	1,200	46	16	6.8	15	7.1	1.2	0.0	0.0*	0.0	4
5	0.0	1.3	275	42	15	6.9	13	7.8	1.1	0.0	0.0	0.0	5
6	0.0	2.0	107	39	14	6.4	13	6.9	0.9	0.0	0.0	0.0	6
7	0.0	2.3	58	36	14	6.4	17	5.9	0.6	0.0	0.0	0.0	7
8	0.0	2.6	57	34	13	6.4	16	7.2	0.3	0.0	0.0	0.0	8
9	0.0	2.6	56	32	12	6.3	12	9.9	0.2	0.0	0.0	0.0	9
10	0.0	2.6*	39	30	12 *	5.9	12	7.3	0.2	0.0	0.0	0.0	10
11	0.0	2.6	34	40	11	6.7	13	5.7*	0.1	0.0	0.0	0.0	11
12	0.0	2.6	31	101	11	11	11	4.8	0.1	0.0	0.0	0.0	12
13	0.0	2.6	29	368	11	40	9.6	4.3	0.1	0.0	0.0	0.0*	13
14	0.0	2.6	25	140	10	19	9.7	3.9	0.0	0.0	0.0	0.0	14
15	0.0	2.6	22	70	10	13	9.1	3.3	0.0	0.0	0.0	0.0	15
16	0.0	2.6	171	54	12	11 *	8.3*	2.7	0.0	0.0	0.0	0.0	16
17	0.0	2.6	163	51	13	9.7	9.8	2.3	0.0	0.0	0.0	0.0	17
18	0.0	2.6	85	46	11	9.0	12	1.9	0.0	0.0	0.0	0.0	18
19	0.0	2.6	53	43	19	8.3	8.4	1.9*	0.0	0.0	0.0*	0.0	19
20	0.0*	2.6	44	40	16	7.1	7.7	1.9	0.0	0.0*	0.0	0.0	20
21	0.0	2.6	216	37	11	6.9	8.0	1.7	0.0	0.0	0.0	0.0	21
22	0.0	2.6	149	35	9.6	6.4	7.5	1.4	0.0	0.0	0.0	0.0	22
23	0.0	2.6	63	33	9.3	9.0*	7.1	1.3	0.0	0.0	0.0	0.0	23
24	0.0	3.8	49	32	8.8	26	6.8	1.1	0.0	0.0	0.0	0.0	24
25	0.0	101	43	30	8.1	89	6.4	1.0	0.0	0.0	0.0	0.0	25
26	0.0	252	44	29	7.2	532 *	7.3	0.9	0.0	0.0	0.0	0.0	26
27	0.0	98	113	28	7.4	174	7.4	0.9	0.0	0.0	0.0	0.0	27
28	0.0	272	149	26	8.0	68	7.3	1.0	0.0	0.0	0.0	0.0	28
29	0.0	659	242 *	24		46	7.1	1.7	0.0	0.0	0.0	0.0	29
30	0.0	331	119	22		37	6.4	2.2	0.0	0.0	0.0	0.0	30
31	0.0		66	20		31		2.1		0.0	0.0		31
MEAN	0.0	58.8	165	57.1	12.3	39.5	11.0	3.8	0.3	0.0	0.0	0.0	MEAN
MAX.	0.0	659	1,200	368	19.0	532	26.0	9.9	1.8	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	22.0	20.0	7.2	5.9	6.4	0.9	0.0	0.0	0.0	0.0	MIN.
AC. FT.		3501	10199	3511	681	2431	656	236	19				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
29.3	3000	10.69	12	04	1115	0.0	5.70	10	01	0000	21234

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 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
1971	B01125	COSUMNES RIVER AT MCCONNELL

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	4.3	2,710	716	544	298	1,520	539	491	101			1
2	0.0	6.3	3,880	808	556	278	1,370	604	427	93			2
3	0.0	6.7	3,290	826	545	261	1,260	655	377	88			3
4	0.0	16	4,100	524	519	262	1,180	726	345	81			4
5	0.0	22	5,880	458	486	254	1,120	737	322	79			5
6	0.0	70	2,020	421	455	243	1,120	677	311	72			6
7	0.0	184	1,190	384	433	230	1,170	651	316	64			7
8	0.0	156	900	351	412	226	1,100	702	331	58			8
9	0.0	101	1,100	334	396	223	991	745	356	52			9
10	0.0	68	1,050	313	380	219	965	697	355	45	N	N	10
11	0.0	56	749	308	376	218	1,050	724	332	38	O	O	11
12	0.0	54	612	568	419	236	946	810	313	23			12
13	0.0	56	516	1,570	497	744	934	851	296	29			13
14	0.0	85	444	1,840	569	613	934	847	286	52			14
15	0.0	67	394	1,160	608	478	911	845	265	35	F	F	15
16	0.0	54	496	880	634	419	915	817	239	23	L	L	16
17	0.0	47	2,140	826	635	395	939	779	218	22			17
18	0.0	41	1,450	1,020	588	390	949	713	198	19	O	O	18
19	0.0	38	924	1,010	569	381	817	652	176	19			19
20	0.0	36	676	1,010	559	379	746	616	162	49	W	W	20
21	0.0	33	862	974	469	387	740	589	152	8.3			21
22	0.0	34	1,420	893	423	400	688	582	141	0.8			22
23	0.0	34	888	794	400	432	635	506	120	0.0			23
24	2.6	33	608	712	372	621	593	499	109	0.0			24
25	39	62	486	648	340	704	587	500	105	0.0			25
26	43	870	424	588	319	3,150	557	509	97	0.0			26
27	42	724	508	548	296	7,040	531	541	112	0.0			27
28	24	516	1,140	534	291	3,620	501	542	262	0.0			28
29	14	3,090	1,180	527		2,450	490	519	151	0.0			29
30	7.1	3,310	1,440	524		2,010	500	476	119	0.0			30
31	4.5		924	530		1,750		467		0.0			31
MEAN	5.7	329	1,432	729	467	946	892	649	249	33.9			MEAN
MAX.	43	3,310	5,880	1,840	635	7,040	1,520	851	491	101			MAX.
MIN.	0.0	4.3	394	308	291	218	490	467	97	0.0			MIN.
AC. FT.	349	19,590	88,070	44,830	25,960	58,140	53,080	39,900	14,840	2,080			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
479	8,080	41.85	3	27	0930	0.0		10	1		346,800

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 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
1971	A00020	MORRISON CREEK NEAR SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	7.1	4.3	93	24	8.3	7.2	8.7	5.4	7.0	6.4	7.2	5.6	1
2	7.2	5.5	309	37	8.3	8.3	8.6	26	6.8	6.0	8.6	5.1	2
3	4.9	5.2	122	24	8.4	8.2	6.1	8.8	7.3	5.5	6.4	5.5	3
4	4.3	101	222	18	8.2	7.7	5.2	10	6.8	5.0	6.1	4.9	4
5	7.0	70	170	15	7.8	7.8	6.7	8.1	5.0	5.2	5.8	4.7	5
6	6.3	69	65	14	5.9	5.6	8.1	6.5	5.4	7.2	5.4	4.4	6
7	6.0	41	43	14	5.6	5.1	13	5.9	6.3	7.2	4.3	7.6	7
8	6.0	11	33	13	7.4	6.6	7.9	18	6.5	7.3	4.2	8.9	8
9	6.6	7.6	27	11	8.0	6.8	5.5	8.0	6.1	7.3	6.5	8.3	9
10	4.5	6.4	21	9.6	7.6	6.8	5.4	6.8	6.5	5.1	7.2	6.9	10
11	4.2	6.0	17	25	7.8	7.2	5.2	6.7	6.4	5.0	6.9	4.7	11
12	4.8	5.7	14	39	7.9	90	6.4	6.4	4.6	5.5	7.0	4.6	12
13	5.7	5.5	14	57	7.3	27	6.4	6.5	4.3	6.6	7.5	6.2	13
14	7.0	4.2	13	39	5.8	8.7	9.0	7.4	6.0	6.6	5.1	7.5	14
15	6.0	4.3	14	24	4.9	7.4	6.9	5.9	6.2	6.1	4.5	7.7	15
16	6.3	5.6	59	17	15	7.2	8.3	4.7	5.8	8.1	6.9	7.2	16
17	4.3	5.5	61	13	24	6.4	7.4	5.7	5.2	5.2	7.6	7.1	17
18	4.2	5.3	48	13	11	6.6	6.1	6.1	5.1	4.1	7.3	4.5	18
19	5.1	5.1	32	13	16	6.9	7.2	6.2	4.3	4.9	7.2	5.5	19
20	20	4.9	36	13	8.3	5.6	8.3	6.5	4.1	5.7	6.8	7.9	20
21	19	3.9	87	13	6.7	4.9	7.0	5.1	5.8	6.2	5.3	7.3	21
22	14	3.6	58	12	7.3	5.4	7.4	4.4	5.7	4.9	5.2	8.4	22
23	27	4.2	32	10	7.2	31	6.7	4.5	5.8	4.1	7.2	7.5	23
24	8.2	10	22	8.8	6.9	12	5.0	5.4	5.5	3.8	6.7	6.0	24
25	7.2	36	17	9.1	6.7	37	5.4	5.5	4.5	3.8	6.6	3.5	25
26	7.0	43	29	8.4	6.9	89	6.8	5.6	4.2	7.0	6.3	3.0	26
27	6.4	11	36	10	5.1	20	7.8	5.2	5.7	10	6.1	4.6	27
28	5.7	294	43	12	5.8	10	7.7	5.6	6.5	9.6	5.9	6.0	28
29	6.0	664	54	11		8.6	7.2	3.6	6.5	8.6	5.5	5.8	29
30	6.3	166	50	8.7		8.2	7.6	4.5	6.4	9.1	5.1	5.4	30
31	4.7		30	7.5		7.2		5.5		7.0	5.4		31
MEAN	7.7	53.6	60.4	17.5	8.4	15.4	7.2	7.1	5.7	6.3	6.2	6.1	MEAN
MAX.	27	664	309	57	24	90	13	26	7.3	10	8.6	8.9	MAX.
MIN.	4.2	3.6	13	7.5	4.9	4.9	5.0	3.6	4.1	3.8	4.2	3.0	MIN.
AC. FT.	474	3,190	3,710	1,080	468	945	426	437	342	385	384	362	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
16.9	1,200	7.13	11	29	0900						12,200

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 29 55	121 27 06	SE 32 8N 5E	1,610	8.53	1-26-1969	JULY 1959-DATE	JULY 1959-DATE	1959 1960 1964	1960 1965	8.15 10.31 7.60	USCGS USCGS 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
1971	B95925	DELTA-MENDOTA CANAL NEAR TRACY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2,593	1,147	0.0	0.0	0.0	3,963	4,458	3,403	3,722	4,607	4,494	4,028	1
2	2,565	1,156	0.0	0.0	64	3,932	4,732	3,254	3,848	4,590	4,530	3,421	2
3	2,576	1,069	0.0	0.0	0.0	3,938	4,736	2,935	3,865	4,654	4,522	2,984	3
4	2,672	930	0.0	0.0	0.0	3,938	4,715	3,041	3,770	4,626	4,526	2,973	4
5	2,667	941	0.0	0.0	0.0	3,942	4,729	3,008	3,843	4,705	4,543	2,988	5
6	2,937	945	0.0	0.0	0.0	3,950	4,557	3,923	3,889	4,635	4,530	2,992	6
7	2,802	941	0.0	0.0	0.0	3,927	3,995	3,875	4,004	4,594	4,526	2,843	7
8	2,747	941	0.0	0.0	589	3,942	3,825	3,801	4,548	4,565	4,507	2,600	8
9	2,594	941	0.0	0.0	1,980	3,496	3,658	3,264	4,615	4,459	4,485	2,626	9
10	2,426	1,044	0.0	0.0	2,111	3,489	3,265	3,028	4,658	4,482	4,472	2,605	10
11	2,452	1,036	0.0	0.0	2,270	3,481	3,257	3,117	4,650	4,499	4,481	2,621	11
12	2,438	1,140	0.0	0.0	2,196	3,547	3,100	3,160	4,644	4,538	4,486	2,516	12
13	2,150	713	0.0	0.0	2,520	3,766	2,915	3,179	4,586	4,585	4,490	2,562	13
14	2,222	688	69	0.0	2,546	4,614	2,881	3,146	4,522	4,520	4,497	2,604	14
15	2,126	317	35	0.0	2,544	3,672	2,630	3,207	4,556	4,552	4,489	2,580	15
16	2,149	0.0	0.0	0.0	2,676	3,476	2,636	3,263	4,619	4,573	4,493	2,764	16
17	2,064	69	0.0	0.0	3,050	3,584	2,378	3,320	4,618	4,578	4,497	2,755	17
18	2,053	105	0.0	0.0	3,087	3,509	2,301	3,348	4,626	4,571	4,495	2,761	18
19	1,642	0.0	0.0	0.0	3,519	3,527	2,323	3,945	4,650	4,552	4,491	2,758	19
20	1,450	0.0	0.0	0.0	3,971	3,512	2,331	4,172	4,629	4,518	4,370	2,754	20
21	1,424	0.0	0.0	0.0	3,972	3,965	2,322	4,193	4,656	4,591	4,365	2,758	21
22	1,607	0.0	0.0	0.0	3,956	3,509	2,492	4,189	4,650	4,599	4,284	2,737	22
23	1,604	0.0	67	0.0	3,994	3,462	2,566	4,179	4,648	4,593	4,162	2,743	23
24	1,595	0.0	0.0	0.0	3,931	3,518	2,782	4,342	4,597	4,582	4,090	2,736	24
25	1,600 A	0.0	0.0	0.0	3,896	3,623	2,864 B	4,454	4,637	4,556	4,099	2,669	25
26	1,503	0.0	0.0	0.0	3,972	3,847	3,335	4,189	4,628	4,566	4,105	2,668	26
27	1,404	0.0	0.0	0.0	3,936	3,874	3,559	4,064	4,599	4,559	4,106	2,661	27
28	1,339	0.0	0.0	.0	3,948	4,465	3,745	3,831	4,618	4,503	4,072	2,671	28
29	1,326	0.0	0.0	0.0		3,797	3,783	3,670	4,529	4,518	4,109	2,571	29
30	1,348	0.0	68	660		4,342	3,289	3,666	4,752	4,477	4,120	2,441	30
31	1,346		0.0	72		4,335		3,729		4,510	4,096		31
MEAN	2,046	470	7.7	24	2,312	3,805	3,339	3,610	4,439	4,563	4,372	2,780	MEAN
MAX.	2,937	1,156	69	660	3,994	4,614	4,736	4,454	4,752	4,705	4,543	4,028	MAX.
MIN.	1,326	0.0	0.0	0.0	0.0	3,462	2,301	2,935	3,722	4,459	4,072	2,441	MIN.
AC. FT.	125,928	27,973	474	1,452	128,388	233,938	198,429	221,944	264,155	280,580	268,828	165,404	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
2,649											1,917,493

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

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

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

WATER YEAR	STATION NO.	STATION NAME
1971	B95910	CONTRA COSTA CANAL NEAR OAKLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	147	84	58	64	61	68	75	84	118	157	154	163	1
2	148	89	60	64	66	68	75	82	114	165	157	154	2
3	142	97	60	59	62	73	75	72	119	164	162	146	3
4	135	87	62	68	63	73	76	83	124	159	159	149	4
5	141	106	62	70	63	67	79	79	123	160	174	152	5
6	137	79	65	76	63	68	77	86	127	164	180	148	6
7	132	65	68	74	68	70	85	86	125	161	170	150	7
8	132	72	69	68	64	72	80	79	132	153	180	153	8
9	128	80	68	68	66	58	70	74	132	149	180	152	9
10	127	90	70	69	69	61	72	76	133	151	186	149	10
11	128	90	69	62	70	65	61	75	132	157	196	152	11
12	121	105	69	66	60	64	76	84	132	153	197	144	12
13	123	100	55	63	65	90	80	84	135	161	197	145	13
14	121	87	64	61	64	78	66	84	142	172	189	145	14
15	124	89	65	59	74	85	74	86	143	176	186	136	15
16	125	87	62	59	64	88	74	87	149	173	182	129	16
17	118	83	62	65	67	84	74	86	150	168	178	125	17
18	119	78	61	61	67	75	69	112	149	168	181	123	18
19	119	63	64	61	68	70	65	107	147	169	190	115	19
20	118	70	57	61	66	68	80	104	147	173	192	108	20
21	104	68	63	63	63	69	92	115	141	179	189	118	21
22	103	68	71	63	60	68	92	98	159	183	182	124	22
23	96	74	59	62	65	74	100	104	165	181	179	112	23
24	93	73	60	63	65	75	82	113	163	171	170	121	24
25	85 A	68	62	60	65	68	83 B	132	162	167	148	101	25
26	86	64	58	64	65	61	95	143	156	166	198	84	26
27	88	65	57	63	65	64	90	138	156	166	196	83	27
28	88	56	61	58	65	67	85	131	154	167	185	84	28
29	88	54	62	59		68	90	113	154	163	184	80	29
30	88	60	61	55		74	93	108	162	162	182	80	30
31	84		66	59		74		107		154	182		31
MEAN	116	78	63	63	65	71	80	97	142	165	180	128	MEAN
MAX.	148	106	71	76	74	90	100	143	165	183	198	163	MAX.
MIN.	84	54	55	55	60	58	61	72	114	149	154	80	MIN.
AC. FT.	7,124	4,663	3,868	3,902	3,616	4,378	4,724	5,974	8,420	10,150	11,078	7,587	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	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
104											75,484

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

Station located at Pumping Plant No. 1, 0.7 mile east of Oakley, 2.6 miles northwest of Knightsen. Water is diverted from Sacramento-San Joaquin Delta by way of Old River, Rock Slough, and a dredged channel. A series of 4 pumping plants lift the water about 115 feet into canal. 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
1971	B95920	CALIFORNIA AQUEDUCT AT DELTA PUMPING PLANT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	372	362	1,650	1,538	418	418	1,462	408	231	1,742	4,480	1,542	1
2	418	828	1,649	1,904	419	505	827	500	259	1,565	1,609	1,227	2
3	372	828	1,628	3,360	418	979	1,300	876	259	1,470	1,545	1,207	3
4	1,120	831	1,620	1,859	1,792	1,379	1,120	1,130	258	3,360	1,205	1,063	4
5	419	832	1,543	1,512	2,056	525	438	1,402	434	1,303	1,227	1,120	5
6	418	822	3,360	1,538	2,036	1,515	789	1,425	700	1,621	1,230	418	6
7	419	1,476	1,173	1,537	4,480	1,295	851	180	669	1,582	2,067	418	7
8	418	3,173	952	1,537	256	445	948	407	672	1,466	3,920	418	8
9	419	826	953	1,902	418	690	952	499	672	829	1,621	418	9
10	413	827	952	3,361	623	1,300	1,576	876	669	1,387	1,622	505	10
11	417	827	952	1,860	414	1,910	2,175	1,130	672	2,239	1,622	1,387	11
12	418	827	1,656	1,539	418	1,347	571	1,402	1,126	910	1,622	2,235	12
13	429	827	3,361	1,537	698	883	705	1,343	1,820	1,231	1,590	130	13
14	419	1,294	1,302	1,538	1,120	747	851	259	673	1,237	2,733	102	14
15	418	1,120	1,625	1,538	417	445	949	276	673	1,228	4,480	1,278	15
16	417	618	1,620	1,896	418	687	950	500	672	1,243	1,626	1,227	16
17	353	1,365	1,621	3,361	417	1,302	1,599	877	673	1,985	1,619	1,061	17
18	462	1,367	1,620	1,638	418	1,315	2,495	994	706	2,419	1,619	698	18
19	364	1,367	2,669	1,530	416	131	573	672	1,469	1,660	1,619	1,120	19
20	372	1,364	3,360	1,641	409	218	703	673	3,224	1,851	1,619	582	20
21	372	2,280	1,308	1,635	418	238	854	620	785	1,853	2,666	1,223	21
22	372	3,711	1,617	1,568	419	463	842	635	1,226	1,856	3,360	1,227	22
23	371	1,613	1,618	1,954	418	830	465	469	1,348	1,681	1,163	1,059	23
24	372	1,718	1,605	1,820	419	1,504	465	671	1,840	1,575	1,350	418	24
25	413	1,718	1,623	737	418	1,290	403	673	1,827	2,240	1,350	698	25
26	350	1,719	2,901	960	415	87	1,029	672	1,788	898	1,347	1,120	26
27	350	1,715	4,480	945	355	190	1,372	673	4,060	1,258	1,329	417	27
28	350	2,621	2,184	954	412	180	1,495	556	1,520	1,584	2,257	418	28
29	347	4,060	1,535	1,115		471	1,343	282	1,742	1,610	3,453	417	29
30	350	1,521	1,489	1,718		823	259	1,120	1,742	1,619	1,619	418	30
31	608		1,539	4,813		1,495		382		2,717	1,619		31
MEAN	423	1,482	1,844	1,818	762	826	1,012	728	1,147	1,652	2,006	852	MEAN
MAX.	1,120	4,060	4,480	4,813	4,480	1,910	2,495	1,425	4,060	3,360	4,480	2,235	MAX.
MIN.	347	362	952	737	256	87	259	180	231	829	1,163	102	MIN.
AC. FT.	26,008	88,178	113,385	111,758	42,318	50,790	60,219	44,791	68,250	101,590	123,348	50,719	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
1,217											881,354

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 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
1971	B89100	MARSH CREEK NEAR BYRON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1		0.0	15	24	9.3	3.8	5.7	2.5	0.7				1
2		0.0	57	25	9.0	3.5	5.8	4.0	0.5				2
3		0.0	25	19	8.1	3.7	5.0	4.0	0.5				3
4		0.0	176	16	7.8	3.8	4.7	3.1	0.5				4
5		0.0	67	15	7.8	3.7	4.4	2.7	0.3				5
6		0.0	30	14	7.8	3.7	4.1	2.3	0.2				6
7		0.0	19	13	7.5	3.7	4.7	2.0	0.1				7
8		0.0	14	12	7.0	3.8	4.5	2.4	0.1				8
9		0.0	12	12	7.0	3.7	3.9	2.3	0.0				9
10	N	0.0	8.8	11	6.8	3.6	5.1	2.0	0.1	N	N	N	10
11	O	0.0	7.4	12	6.6	3.2	4.7	1.4	0.1	O	O	O	11
12		0.0	6.6	22	6.4	11	4.0	1.0	0.0				12
13		0.0	7.5	63	6.4	16	3.5	1.2	0.0				13
14		0.0	8.2	43	5.9	7.2	5.9	0.7	0.0				14
15	F	0.0	6.2	33	5.7	6.7	4.5	0.4	0.0	F	F	F	15
16	L	0.0	43	29	5.9	5.7	3.8	0.2	0.0	L	L	L	16
17		0.0	104	26	6.4	5.1	4.9	0.2	0.0				17
18	O	0.0	101	24	5.4	4.4	4.3	0.2	0.0	O	O	O	18
19		0.0	88	21	5.9	3.8	3.0	0.3	0.0				19
20	W	0.0	54	19	5.2	4.2	2.8	0.3	0.0	W	W	W	20
21		0.0	69	17	4.9	4.1	3.1	0.3	0.0				21
22		0.0	40	16	5.0	3.8	2.8	0.3	0.0				22
23		0.0	31	14	4.9	3.8	2.7	0.2	0.0				23
24		0.0	26	14	4.5	4.0	2.4	0.3	0.0				24
25		0.0	22	12	4.4	4.1	2.5	0.2	0.0				25
26		0.0	24	12	4.0	27	2.1	0.0	0.0				26
27		0.0	31	11	4.5	18	2.2	0.3	0.0				27
28		0.0	24	11	4.4	11	1.9	0.6	0.0				28
29		53	35	10		8.9	2.0	0.6	0.0				29
30		15	31	9.9		7.2	1.9	0.7	0.0				30
31			26	9.6		6.4		0.6					31
MEAN	0.0	2.3	39	19	6.2	6.5	3.8	1.2	0.1	0.0	0.0	0.0	MEAN
MAX.	0.0	53	176	63	9.3	27	5.9	4.0	0.7	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	6.2	9.6	4.0	3.2	1.9	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	135	2,400	1,170	346	402	224	74	6.1	0.0	0.0	0.0	AC. FT.

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

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
6.57	313	5.01	12	4	0900	0.0		10	1		4,750

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 52 25	121 43 35	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
1971	612200	BIDWELL CREEK NEAR FT BIDWELL

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3.5*	5.2	11	6.1	30	15	45	74	136	70	14	7.5	1
2	3.5	5.0	10	5.8	30	12	43	82	122	66	13	7.4	2
3	3.6	5.0	9.9	5.8	28	18	44	108	116	61	13	7.4	3
4	3.5	5.4*	9.7	5.8	25	14	46	146	116	56	12	7.5	4
5	3.7	9.2	11	5.6*	24	13	51	153	114	52	12	7.3	5
6	3.9	7.1	13	5.6	21	14	57 *	139	118	49	12	7.6	6
7	4.0	6.2	14	5.8	20	13	57	141	128	46	11	7.8	7
8	4.0	9.4	13 *	5.8	18	13	53	164	141 *	44	11	7.2	8
9	4.0	30	12	6.3	17 *	13	55	194	142	41	11	6.9	9
10	4.1	12	11	7.2	19	13 *	57	199	164	37	10	6.7	10
11	3.9	11	11	6.8	20	13	52	202 *	153	34	10	6.7	11
12	3.9	10	9.3	6.5	21	15	49	211	139	30	9.8	6.5	12
13	3.9	8.2	9.4	6.3	24	14	49	213	135	28	9.6	6.4	13
14	4.0	7.3	7.7	6.3	25	13	54	201	132	26	9.4	6.4	14
15	3.9	6.6	6.8	6.1	27	12	60	193	132	25	9.1	6.4	15
16	4.0	6.2	7.4	9.8	25	12	64	176	133	24	8.9	6.3	16
17	4.0	5.9	7.1	119	24	13	64	163	130 *	23	8.9*	6.4	17
18	4.5	5.8	7.1	189	22	15	57	157	126	22	8.8	6.5	18
19	4.4	5.7	7.4	140	21	14	55	152	123	22	8.6	6.4	19
20	5.0	5.6	7.4	112	20	13	54	145	120	21	8.4	6.4	20
21	5.0	5.6	7.4	90	22	17	51	140	119	20	8.3	6.5*	21
22	5.4	6.3	7.3	74	19	29	46	135	117	19	8.4	6.4	22
23	6.2	9.0	6.8	64	18	90	43	138	115	18	8.3	6.3	23
24	5.5	27	6.8	54	18	84	40	154	111	17	8.0	6.0	24
25	5.4	29	6.8	45	17	67	38	168	117	16	7.8	6.2	25
26	5.2	19	6.5	37	19	75	41	173	130	16	7.6	8.2	26
27	5.1	15	6.5	33	18	63	47	175	111	15	7.6	8.2	27
28	5.9	13	6.5	31	17	53	54	175	95	15	7.4	8.0	28
29	5.7	12	6.3	30		52	63	189	85 *	14	7.4	9.6	29
30	5.3	11	6.3	29		56	70	183	75	14	7.3	8.9	30
31	5.3		6.3	30		50		152		14	7.7		31
MEAN	4.5	10.5	8.7	38.0	21.8	29.3	52.0	161	123	30.8	9.6	7.1	MEAN
MAX.	6.2	30.0	14.0	189	30.0	90.0	70.0	213	164	70.0	14.0	9.6	MAX.
MIN.	3.5	5.0	6.3	5.6	17.0	12.0	38.0	74.0	75.0	14.0	7.3	6.0	MIN.
AC. FT.	276	622	533	2338	1208	1801	3092	9907	7329	1894	588	420	AC. FT.

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

WATER YEAR SUMMARY

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
41.5	345	4.57	01	17	1315	3.4	2.97	10	01	0000	30009

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

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

8 - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1971	G15150	CEDAR CREEK NEAR CEDARVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.2*	0.7	7.5	3.2	9.9	5.2	26	32	32	8.0	2.8	0.9	1
2	0.2	0.6	7.1	3.1	9.3	4.9	26	33	34	7.4	2.4*	0.9	2
3	0.2	0.6	6.9	3.1	9.1	4.0	25	42	37	7.0	2.3	0.8	3
4	0.2	0.7*	6.6	3.1	8.8	5.0	25	51	33	6.4	2.1	0.8	4
5	0.2	0.7	8.0	3.1	8.5	4.8	27	46	29	6.0	2.0	0.7	5
6	0.2	0.8	12	3.2	8.3	4.6	28	41	27	5.8	2.0	0.7	6
7	0.3	0.9	13	2.6	7.8	4.6	26 *	40	25	5.9	1.9	1.0	7
8	0.3	1.0	12 *	1.3	7.5	4.7	26	41	24 *	6.8	1.8	0.8	8
9	0.3	1.2	11	4.2	7.3*	4.7	27	41	23	5.8	1.7	0.6	9
10	0.3	1.3	9.6	5.8	8.4	4.7*	27	38	23	5.4	1.7	0.6	10
11	0.3	1.4	8.7	5.2	8.5	5.0	25	37 *	20	4.7	1.6	0.6	11
12	0.3	1.5	7.4	4.9	8.5	5.7	24	37	19	4.3	1.6	0.6	12
13	0.3	1.6	6.8	4.7	8.6	6.0	24	36	17	4.2	1.5	0.5	13
14	0.3	1.6	6.1	4.5	8.5	5.9	27	32	16	4.1	1.4	0.5	14
15	0.3	1.7	5.7	4.4	8.9	6.2	28	30	15	3.9	1.3	0.5	15
16	0.3	1.7	5.5	12	8.4	6.4	27	28	14	3.9	1.3	0.5	16
17	0.3	1.7	5.1	61	8.3	6.4	27	26	15 *	3.8	1.2*	0.5	17
18	0.4	1.7	4.3	64	8.1	6.4	26	24	14	3.8	1.2	0.5	18
19	0.5	1.7	4.8	47	7.8	6.8	27	24	13	3.9	1.1	0.5	19
20	0.5	1.7	4.7	40	7.4	8.5	26	24	12	4.1	1.0	0.5	20
21	0.6	1.7	4.1	30	7.2	11	25	22	11	3.6	1.1	0.5	21
22	0.6	1.7	3.8	22	7.0	18	24	21	10	3.4	1.1	0.5	22
23	0.7	1.8	3.5	18	6.8	60	24	21	9.5	3.3	1.0	0.5	23
24	0.9	2.1	3.4	16	6.7	47	22	21	8.8	3.3	0.9	0.5	24
25	0.9	32	3.4	14	6.1	41	22	21 *	10	3.1	0.9	0.5	25
26	0.9	21	3.4	13	6.5	51	24	22	21	2.9	0.8	1.2	26
27	0.8	12	3.1	12	5.3	41	25	21	14	2.8	0.8	1.2	27
28	0.8	9.5	3.2	12	5.1	37	27	21	13	2.6	0.8	1.0	28
29	0.8	8.6	3.3	11		36	31	27	11 *	2.5	0.8	2.5	29
30	0.7	7.7	3.4	10		35	32	28	9.3	2.5	0.7	2.9	30
31	0.7		3.2	10		29		29		2.9	0.8		31
MEAN	0.5	4.1	6.1	14.5	7.8	16.7	26.0	30.9	18.7	4.5	1.4	0.8	MEAN
MAX.	0.9	32.0	13.0	64.0	9.9	60.0	32.0	51.0	37.0	8.0	2.8	2.9	MAX.
MIN.	0.2	0.6	3.1	1.3	5.1	4.0	22.0	21.0	8.8	2.5	0.7	0.5	MIN.
AC. FT.	28	244	378	889	434	1024	1547	1898	1110	274	86	48	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
11.0	75	4.79	01	17	1900	0.2	2.39	10	02	0330	7961

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

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

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

WATER YEAR	STATION NO.	STATION NAME
1971	G17150	EAGLE CREEK AT EAGLEVILLE

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

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
41 18 40	120 07 27	SE23 40N 16E				MAY 58-DATE	MAY 58-DATE	1958		0.00	LOCAL

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

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1971	G31140	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	0.2	0.0	177	226	154	1.7	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.1	0.0	177	186	161	1.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	0.0	0.0	194	206	143	0.6	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	0.0	213	235	117	0.1	0.0	0.0	4
5	0.0	0.0*	0.0	0.0	0.0	0.0	262	233	108	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0*	0.0	0.0	342	203	88	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	0.0	386 *	169	66	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	0.0	322	169	47	0.0	0.0	0.0	8
9	0.0	0.0	0.0*	0.0	0.0	0.0	360	187	36 *	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	0.0*	0.0	475	161	28	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	0.0	0.0	390	143	23	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	0.2	0.0	364	142	18	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	0.9	0.0	359	141	12	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	1.9	0.0	355	126	8.8	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	3.5	0.0	404	116	7.4	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	3.8	0.0	448	107	6.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	3.0	0.0	480	94	4.3	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	3.2	0.0	427	87	3.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	2.0	0.0	324	79	2.4	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	1.6	0.0	283	67	2.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	1.0	0.0	256	60	1.3	0.0*	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.3	0.0	207	58	0.9	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	9.4	182	57	0.7	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	87	172	49	0.4	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	161	164	47	0.1	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	189	180	59	1.2	0.0	0.0	0.0	26
27	0.0	0.0	0.0	12	0.0	169 *	214	67	2.4	0.0	0.0	0.0	27
28	0.0	0.0	0.0	57	0.0	216	244	99	2.7	0.0	0.0	0.0	28
29	0.0	0.0	0.0	23		207	276	131	3.3	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.3		239	269	142	2.6	0.0	0.0	0.0	30
31	0.0		0.0	0.2		228		134		0.0	0.0		31
MEAN	0.0	0.0	0.0	3.0	0.8	48.6	296	128	35.0	0.1	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	57.0	3.8	239	480	235	161	1.7	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	164	47.0	0.1	0.0	0.0	0.0	MIN.
AC. FT.				183	43	2986	17665	7894	2084	7			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
42.6	521	4.90	04	10	0700	0.0	1.36	10	01	0000	30862

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

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

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1971	G61705	LONG VALLEY CREEK NEAR HALLELUJAH JUNCTION

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.9*	2.1	9.5	9.2	21	17	56	32	80	6.4	2.7	1.1	1
2	1.0	2.1	9.8	6.7	21	21	35	33	62	6.0	1.8	1.1	2
3	1.0	2.1	11	4.8	15	24	29	90	53	5.6	1.5	1.1	3
4	1.0	2.1	22	5.9	9.4	21	29	100	46	5.3	1.4	1.2	4
5	1.0	7.3*	19	5.8	17	16	34	92	53	5.0	1.5	1.1	5
6	1.1	7.9	15	5.4	19	16	49	94	45	4.7	1.7	1.1	6
7	1.1	5.9	16	5.7*	19	19	88	92	42	4.5	1.3	1.2	7
8	1.1	5.2	18	6.1	19	22	62 *	92	40	4.3	1.3	1.2	8
9	1.2	5.5	16 *	6.3	19	18	60	84	38	4.0	1.6	1.2	9
10	1.2	7.1	12	6.8	19 *	16	75	80	36 *	3.9	1.5	1.2	10
11	1.2	5.2	11	7.1	20	17 *	58	77	32	3.7	1.3	1.2	11
12	1.2	6.3	10	7.3	23	41	55	73	30	3.4	1.3	1.1	12
13	1.3	5.1	6.6	7.3	23	15	56	77 *	27	3.3	1.2	1.1	13
14	1.3	4.7	8.5	7.5	24	19	55	78	27	3.1	1.2	1.2	14
15	1.3	4.8	9.6	7.9	21	29	52	77	24	3.0	1.1	1.2	15
16	1.4	4.7	6.2	8.3	23	29	52	72	21	2.9	1.0	1.2	16
17	1.4	4.6	8.7	57	23	28	55	64	19	2.7	1.1	1.2	17
18	1.4	4.8	8.9	45	19	21	53	58	17	2.5	1.1	1.2	18
19	1.4	5.0	10	39	15	21	45	54	15	2.5	1.0	1.3	19
20	1.5	5.1	8.4	10	16	21	42	48	13	2.1*	1.0	1.3	20
21	1.5	5.5	8.8	19	23	22	42	60	12	2.2	1.0	1.3	21
22	1.6	5.8	7.4	19	22	23	38	82	11	1.5	1.0	1.3	22
23	1.6	5.8	5.6	5.8	21	51	37	61	9.7	1.3	1.0	1.3	23
24	1.7	6.1	7.0	5.2	20	66	38	52	9.2	1.2	1.0	1.3	24
25	1.8	16	7.0	5.0	20	48	44	54	8.6	1.1	1.0	1.3	25
26	1.8	16	6.9	5.0	14	328 *	126	51	8.9	1.1	1.1	1.4	26
27	1.8	9.2	7.3	16	14	151 *	60	71	8.7	1.1	1.1	1.4	27
28	1.8	13	8.1	9.9	16	156	41	61	7.4	1.1	1.1	1.4	28
29	2.0	15	8.3	21		157	36	58 *	7.2	1.2	1.1	1.4	29
30	2.1	10	7.9	20		168	33	72	6.8	1.2	1.1*	1.4	30
31	2.2		8.3	20		126		72		2.2	1.1		31
MEAN	1.4	6.7	10.3	13.1	19.1	55.7	51.2	69.7	27.0	3.0	1.3	1.2	MEAN
MAX.	2.2	16.0	22.0	57.0	24.0	328	126	100	80.0	6.4	2.7	1.4	MAX.
MIN.	0.9	2.1	5.6	4.8	9.4	15.0	29.0	32.0	6.8	1.1	1.0	1.1	MIN.
AC. FT.	87	397	632	803	1062	3425	3045	4286	1606	187	78	73	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
21.7	598	3.98	03	26	0745	0.90	2.22	10	01	0000	15681

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

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

TABLE B-6

STREAMFLOW MEASUREMENTS
AT MISCELLANEOUS SITES

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

TABLE B-6

STREAMFLOW MEASUREMENTS AT MISCELLANEOUS SITES

Stream	Location		Measurements	
	Latitude	Longitude	Date	Discharge (cfs)
Delta Cross Channel at Walnut Grove	38°14'22"	121°30'57"	6-2-1971 to 6-3-1971	7,878 (a, b) 7,792 (a, b)

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

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

TABLE B-7

DIVERSIONS

The Department has reduced its diversion program to measuring the major diversions on the Feather and Yuba Rivers.

This table includes diversion data on the Sacramento River, furnished by the U. S. Bureau of Reclamation, and on the Mokelumne River, furnished by the East Bay Municipal Utility District. The data are published as received from these 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-7 (Continued)
DIVERSIONS -- FEATHER AND YUBA RIVERS
October 1970 through September 1971

WATER USER	MILE AND BANK ABOVE MOUTH	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET												TOTAL DIVERSION OCT.-SEPT. ACRE-FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
					FEATHER RIVER										
--NICOLAUS BRIDGE--	9.2														
Hamatami Brothers	9.75R	1-20 1-30							340	1,360	1,100	1,690	1,640	790	6,920
--BEAR RIVER--															
Garden Highway Mutual Water Company	13.1R	2-20 1-24							1,530	2,800	3,210	3,350	3,050	1,030	14,970 a
Feather Water District b	15.2R	3-14						12	437	988	1,480	1,601	810	209	5,537
Plumas Mutual Water Company	17.5L	2-18						144	540	1,570	1,500	1,690	1,300	746	7,490 a
Tudor Mutual Water Company	18.4R	2-30 1-35						141	449	575	931	1,210	520	140	3,966
Feather Water District b	20.4R	4-26						236	1,020	2,040	3,220	3,830	2,470	1,330	14,146
Oswald Water District	21.4R	2-16								216	470	443	299	33	1,461
--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	366	213	196	213	207	240	300	364	551	735	695	529	4,609
Sutter Extension Water District d	38.1R	1-36 1-46 1-48								7,997	6,444	5,590	4,871	1,515	26,417
--HONCUT CREEK--	43.7L														
--FEATHER RIVER OUTLET AT THERMALITO AFTERBAY--	58.2R														
--THERMALITO DIVERSION DAM--	65.6														
Western Canal Outlet at Thermalito Afterbay	19/3-18D**	Gravity	16,650	8,325					13,390	36,340	31,010	33,170	31,280	13,380	183,545
Richvale Canal Outlet at Thermalito Afterbay	19/3-18D**	Gravity	361						8,235	19,080	13,490	15,240	14,230	6,504	77,140
P. G. & E. Outlet at Thermalito Afterbay	19/3-19E**	Gravity	1						363	729	639	704	655	130	3,221
Sutter-Butte Canal Outlet at Thermalito Afterbay	18/3-5B**	Gravity	26,330	6,214				20,110	49,330	80,810	75,850	89,300	85,190	47,690	480,824
--OROVILLE DAM--	70.4														
FEATHER RIVER, TOTAL DIVERSIONS			43,708	14,752	196	213	207	20,883	75,934	154,869	139,895	158,553	147,010	74,026	830,246

** 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.

					YUBA RIVER										
--HIGHWAY 99E BRIDGE--	0.0														
--DAGUERRE POINT DAM--	11.0														
Hallwood Irrigation District	11.0R	Gravity	6,090	6,300	4,730	2,370	19	1,310	10,100	NR	NR	14,900	14,200	10,100	NR
Cordua Irrigation District	11.0R	Gravity	8,550	9,560	6,760	3,360		142	5,170	11,050	11,160	13,600	14,200	6,570	90,122
Browns Valley Irrigation District	11.7R	1-24 1-16 1-12 1-6	1,440	531					365	1,980	2,210	2,630	2,860	806	12,822
--DRY CREEK--	13.1R														
--DEER CREEK--	21.8L														
--ENGLEBRIGHT DAM--	22.8														
YUBA RIVER, TOTAL DIVERSIONS			16,080	16,391	11,490	5,730	19	1,452	15,635	NR	NR	31,130	31,260	17,476	NR

TABLE B-7 (Continued)
MISCELLANEOUS DIVERSIONS - SACRAMENTO RIVER - SACRAMENTO TO RED BLUFF *
October 1970 through September 1971

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--	0.0														
Natomas Central Mutual Water Company			602						7,881	15,702	17,144	19,919	17,589	7,314	86,151
B. C. Robbins										95	136	158	31		420
G. A. Hanks and Sons									40	102	181	166	63	18	570
Investment Operating Corporation			655						3,576	5,564	7,841	8,453	3,864	888	30,841
Latter Day Saints Church											119	198	79	49	445
Deseret Farms of California											244	259	232	171	906
Pleasant Grove-Verona Mutual Water Company									1,141	3,466	3,172	4,452	4,611	1,642	18,484
Antonio Furlan											82	64	80		226
Wallace Construction Company									315	550	823	854	683	190	3,415
Sutter Mutual Water Company									28,673	42,409	54,090	49,827	41,730	11,820	228,549
Martha Leiser									32	113	110	152	143	46	596
River Garden Farms Company									2,419	3,939	4,723	4,649	4,532	877	21,139
Reclamation District No. 108			78						21,726	29,605	29,717	33,390	28,987	12,718	156,221
John Clauss									55	91	255	105	80		586
John R. Heule											211	191			402
Oji Brothers									148	302	670	397	353	96	1,966
Glenn J. Hiatt									34	168	239	223	316	66	1,046
William S. Keeler										577	708	713	654	412	3,064
May B. Chaplin			4							151	1,039	1,038	451	280	2,963
Pelger Mutual Water Company									1,118	482	689	1,073	971	155	4,488
Title Insurance and Trust Company											123	290	166	91	670
William A. Larner									38	173	198	268	184	76	937
Oji Brothers Farm, Inc.											59	104			163
Tisdale Irrigation Company			15						537	1,297	1,563	1,490	1,321	199	6,422
Alan D. Winship											42	118	74	3	237
Newhall Land and Cattle Company									1,309	1,865	2,062	548	491	152	6,427
Meridian Farms Water Company			9						2,162	4,268	4,881	5,399	4,570	1,640	22,929
H. and A. Andreotti									159			141			300
O. P. Davis Estate			317						4,347	4,737	4,127	3,198	2,678	815	20,219
Fred L. Tomlinson									78	85	81	151	43		438
Reclamation District No. 1004			3,497						2,848	8,864	7,169	9,495	8,376	3,231	43,480
Swinford Tract and Irrigation Company									78	27	73	69	7	33	287
Colusa Irrigation Company									154	166	234	238	64	12	868
Roberts Ditch Irrigation Company			5						118	260	564	570	666	183	2,366
Wilson M. Lovvorn									478	304	88				870
Roger C. Wilbur			108						580	455	366	271	76	128	1,984
Joan Lewis			634						278	200	298	526	162	156	2,254
J. Griffin										431	315	515	472	67	1,800
Joyce M. Wells									149	346	401	255	244	151	1,546
Robert Hunter									100	231	267	170	163	100	1,031
Sactane Mutual Water Company			152						292	622	726	744	781	90	3,407
Helen May Forry			290						57	40	275	320	273	45	1,300
Colusa Properties, Inc.									219	155	210	311	160		1,055
R. B. Carter															
Zumwalt Orchards			24						35	77	81	106	10	58	391
Princeton-Cordora-Glenn Irrigation District			415						9,407	8,435	8,406	9,271	8,829	2,805	47,568
Provident Irrigation District			1,714						11,483	7,886	8,902	9,141	6,356	960	46,442
Fred Cannell									80	234	193	247	9		763
M & T, Incorporated			37						202	664	550	1,915	2,333	667	6,368
Glenn-Colusa Irrigation District			24,182						109,537	132,888	125,580	141,146	132,847	69,086	735,266
--RED BLUFF BRIDGE--	193.45														
SACRAMENTO RIVER, TOTAL DIVERSIONS			32,738						211,883	278,026	290,027	313,298	276,804	117,490	1,520,266

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

TABLE B-7 (Continued)
DIVERSIONS - MOKELUMNE RIVER
October 1970 through September 1971

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					1	160	479	553	594	569	612	554	3,552 a
	12.7R	1-12						89	317	481	633	643	654	595	3,412 a
Valley Hi Inn, Inc.	12.7L	1-6							7						7
C. Blattler	15.5R	1-4	3						7	5	14	10	9	9	57
W. G. Taddei	15.6R	1-6	31				3	4	9	19	26	26	23		141
Mrs. Rose J. Linde	16.8R	1-6							55	39	47	63	65		269
James Piazza	17.4R	1-6							14	41	34	36	21	11	157
Warren Hargrave	18.2L	1-7						NO DIVERSION							
--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			34				4	253	888	1,138	1,348	1,347	1,384	1,169	7,565
Average cubic feet per second			1					4	15	19	23	22	23	20	10

a Includes an undetermined amount of spill to river.
Note: All diversion data were furnished by the East Bay Municipal Utility District.

						WOODBRIDGE DAM TO CAMANCHE DAM									
--WOODBRIDGE IRRIGATION DISTRICT DAM--	19.9														
Woodbridge Irrigation District	19.9L	Gravity	6,870					5,500	13,640	17,380	20,500	23,480	21,270	13,040	121,680
Arthur J. Hoffman	21.85R	1-10	4						180	8	16	15	11	10	244
C. H. Fillhardt	22.1R	1-6									3	3	4		10
V. P. Sperling	22.5R	1-5						NO DIVERSION							
Robert Peters	23.03R	1-3	1							2	2	4	3	4	16
Cecil Mumbert	23.4R	1-4									20	22	12		54
Tillie D. Sanguinetti	23.4L	1-3						NO DIVERSION							
--SOUTHERN PACIFIC RAILROAD BRIDGE--	23.6														
Western Republic Corporation a	24.0L	1-4										36	23		59
	24.12R	1-1 1/2	2						1	2	5	4	4	2	20
--HIGHWAY 99 BRIDGE--	24.2														
Marie Hallinan Estate	24.45L	1-5						NO DIVERSION							
	24.5L	1-6							7	4					11
R. Vaccarezza b	24.8L	1-5							6		13	11	7	8	45
Ray A. Mettler	25.2R	1-10								6	14	9	13	2	44
--CENTRAL CALIFORNIA TRACTION COMPANY BRIDGE--	25.6														
W. F. Johnson	26.3L	1-4									3	29	30		62
Richard Wagers	26.35L	1-2								1	2		3		6
Nakagawa Brothers	26.9R	1-5								12	8	36	11	23	90
Irene C. Green	27.5L	1-5								18	37	44	38	8	145
Rose Linde	27.6L	1-8							14	3	4	3	7		31
Cranston and Burnheiser	27.9L	1-10							132	68	69				269
F. O. and A. Proctor	28.59L	1-6									5	16	2		23
Nakagawa Brothers	28.6R	1-6	2						4	16	16	31	42	16	127
	28.71R	1-4								8	8	8			24
W. E. Melhaff	29.9R	1-8							50	9	23	37	36		155
Emil Bender	30.0L	1-10							8	6	19	3	9		45
--BRUELLA ROAD BRIDGE--	30.0														
A. Knoll	30.13L	1-8						NO DIVERSION							
V. W. Hoffman and Sons	30.15L	1-8						1	39	25	33	38	48	11	195
Hugh H. Davis c	30.35R	1-6						2	33	9	18	20	20		102
J. J. Schmiedt Estate	30.95L	1-7									51	109			160
Leon Kirschenmann	31.0L	1-8						64	55		32	55	20	8	234
V. W. Hoffman and Sons	31.45R	1-5							24	2	13	1			40

TABLE B-7 (Continued)
DIVERSIONS - MOKELUMNE RIVER
October 1970 through September 1971

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)												
Rosa D. Soucie	31.7L	1-5									34	44	26		104
John Graffigna Estate	31.8R	1-7								13	10	8	9		40
Lawrence Jones	32.29L	1-14									75	123	150	54	402
North San Joaquin Water Conservation District	32.3L	1-14 1-16 1-18	230					238	1,252	1,331	1,507	1,540	1,288	772	8,158
R. Graffigna and A. Costa	32.33R	1-6							37	9	10	20	7		83
William J. Lange	32.8R	1-1 1/2									1				1
Chester M. Locke	33.25L	1-10						9	22	11	125	105	56	35	363
Acampo Vineyards	33.45R 33.6R	1-8 1-8							98 90	7 30		43	7		105 170
Neil C. Locke	33.7L	1-12						1	1	18	97	203	238	12	510
T. and E. Schmierer	33.8R	1-4								1	18	11	2		32
U. S. Department of Agriculture Soil Conservation Service	34.0L	1-8						NO DIVERSION							
Pritam Singh Dhaliwal	34.05R	1-4							6	2			3		11
Norman Knoll	34.1R 34.3R	1-4 1-4						4	31 16	7	17 15	13 7	15 3	5 13	92 54
U. S. Department of Agriculture Soil Conservation Service	34.34L	1-5						NO DIVERSION							
--ELLIOTT ROAD BRIDGE--	34.35														
J. Hull, J. Graham, and T. Ness	34.5R	1-4						NO DIVERSION							
Robert Russell d	34.55L	1-10								20	22	32	17	16	107
Donald Smith	34.55L	1-1 1/2	1					1	1	1	2	2	2	1	11
K. E. and J. Beckman	34.6R	1-5									7	9	9	2	27
H. Bava, D. Panella, and Dr. Barkett	34.75L	1-16						31	10	35	136	135	127	22	496
K. E. and J. Beckman	35.14R	1-16	4							84	125	149	132	135	629
Lincoln Chan	35.15R	1-6								29	85	94	74	40	322
Grizzly Hill Ranch	35.2L	1-8	8	1	1		1	1	5	38	42	54	56	26	233
Manuel Machado	35.4L	1-8	4						11	3	18	62	52	3	153
Lincoln Chan	35.5R	1-8								30					30
R. D. Mehlhaff	35.7L 35.7L	1-6 1-8	4				4 8	8 14	5 10	12	30	48	26	26	163 32
I. H. Quessenberry	35.9L	1-7									21	23	41	43	128
Fred P. Sievers	36.0L	1-6							9	5	30	22	26	26	118
Lincoln Chan	36.2R	1-6								18					18
Ossie Parker	36.45L	1-12	23								293	62	53		431
J. R. Wiederrich, et al e	36.75L 37.15L	1-5 1-10								 11	17 4	20	5		42 15
W. L. Moffat, et al	37.45R 37.65L	1-8 1-10									 36	49 66	65		114 102
Maris Costa, et al	37.7R	1-12									6	9			15
Frank Lucchesi f	38.0L 38.1L	1-6 1-8									31 39	20 25	19 44		70 108
R. and R. Sutter g	38.3L	1-10							69	15	9		96	3	192
N. and C. Locke	38.5L	1-12									629	177			806
Clements Estate	39.0L	1-12	169					28	203	460	576	557	420	339	2,752
H. S. Magee Estate	39.25L	1-5								31	14	22	16	2	85
--OLD CLEMENTS BRIDGE--	39.3														
L. and T. Deluca	39.59L	1-4							25	9					34
Mrs. Wakeham Clark	39.6L	1-6	3							4	22	13	15	7	64
J. N. Henry	39.9R	1-6									88	22	14		124
Donald L. Farrell h	40.48L	1-2 1/2								5	11	20	17	11	64
Claude C. Wood Company i	40.52L	1-6	9	52				1			61	97	65	1	286
H. Ostermann	40.53L	1-6							5	5	26	22	24	13	95
C. and A. Mehrten	40.72L	1-6	3								16	33	24		76
N. and E. Mason	40.83L	1-6	14						9	13	19	20	22	16	113

TABLE B-7 (Continued)
DIVERSIONS - MOKELUMNE RIVER

October 1970 through September 1971

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)												
--HIGHWAY 88 BRIDGE--	41.00														
P. and N. Wright	41.14L	1-3									14	12	13	7	46
C. Fukuhara and R. Nakashima	41.14R	1-2 1-8									99	93	50	38	280
L. A. Rozzoni Estate	41.40L	1-10									96	54	57	23	230
Clarence Jones	42.11R	1-8	10					4	8	14	27	23	29	18	133
Lawrence Putnam Estate	42.24L	1-2 1/2						NO DIVERSION							
P. W. Olivera	42.66R	1-3	7						6	7	21	22	18	17	98
George W. Beggs j	42.97L	1-4	2						2	6	10	6	10	7	43
	42.99L	1-8	16					47	13	21	31	21	50	10	209
--CAMANCHE RECORDER - MOKELUMNE RIVER BELOW CAMANCNE DAM--	43.00														
P. W. Olivera	43.15R	1-4	7						6	8	14	20	19	16	90
--CAMANCHE DAM--															
MOKELUMNE RIVER, WOODBRIDGE DAM TO CAMANCHE DAM															
Total diversions			7,393	53	1	0	13	5,954	16,143	19,892	25,550	28,246	25,124	14,891	143,260
Average cubic feet per second			120	1	0	0	0	96	271	324	429	459	409	250	198

a Formerly listed as Western Republic Land Company.

b Formerly listed as R. Vaccarezza and A. Barsotti.

c Formerly listed as Nelson H. Davis.

d Formerly listed as H. C. Russell.

e New installation in 1971.

f Name corrected from Lucchessi to Lucchesi.

g Formerly listed as Rudolph Sutter.

h Formerly listed as Bert Campbell

i Formerly listed as Robert Simmons.

j Formerly listed as P. M. and U. L. Thorne.

Note: Diversion data shown on this table are furnished by the East Bay Municipal Utility District, excepting the data for the Woodbridge Irrigation District, which were furnished by the U. S. Geological Survey. Monthly totals are computed by the Department.

TABLE B-8

DELIVERIES FROM FOLSOM AND NIMBUS RESERVOIRS
October 1970 through September 1971

Water User	Monthly Diversion in Acre-Feet												Total
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
						AMERICAN RIVER							
Cordova Water Service and City of Folsom a													
Total acre-feet	2,222	1,901	1,634	1,501	1,454	1,981	1,593	1,854	1,891	2,150	2,037	1,973	22,191
Average cubic feet per second	36	32	27	24	26	32	27	30	32	35	33	33	31
Monthly quantities in percent of seasonal	10.0	8.5	7.4	6.8	6.5	8.9	7.2	8.4	8.5	9.7	9.2	8.9	
San Juan Suburban Water District a													
Total acre-feet	3,133	1,388	1,205	1,254	1,116	1,624	2,148	2,815	4,958	6,038	5,847	4,823	36,349
Average cubic feet per second	51	23	20	20	20	26	36	46	83	98	95	81	50
Monthly quantities in percent of seasonal	8.6	3.8	3.3	3.5	3.1	4.5	5.9	7.7	13.6	16.6	16.1	13.3	
State of California a													
Total acre-feet	125	80	89	95	93	113	105	96	131	142	151	129	1,349
Average cubic feet per second	2	1	1	2	2	2	2	2	2	2	2	2	2
Monthly quantities in percent of seasonal	9.3	5.9	6.6	7.0	6.9	8.4	7.8	7.1	9.7	10.5	11.2	9.6	

TABLE B-9

IMPORTATIONS INTO NORTHEASTERN CALIFORNIA
October 1970 through September 1971

Water User	Monthly Diversion in Acre-Feet												Total
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
						TRINITY RIVER							
Clear Creek Powerplant a													
Total acre-feet	47,150	15,300	33,900	91,460	116,690	106,880	137,800	171,730	179,950	149,090	88,810	71,940	1,210,700
Average cubic feet per second	767	257	551	1,487	2,101	1,738	2,316	2,793	3,024	2,425	1,444	1,209	1,672
Monthly quantities in percent of seasonal	3.9	1.3	2.8	7.6	9.6	8.8	11.4	14.2	14.9	12.3	7.3	5.9	

TABLE B-10

EXPORTATIONS FROM NORTHEASTERN CALIFORNIA
October 1970 through September 1971

Water User	Monthly Diversion in Acre-Feet												Total
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
						MOKELUMNE RIVER							
East Bay Municipal Utility District b													
Total acre-feet	18,651	17,875	18,489	16,719	13,318	17,456	17,934	18,598	18,270	19,146	19,118	18,463	214,037
Average cubic feet per second	303	300	301	272	240	284	301	302	307	311	311	310	296
Monthly quantities in percent of seasonal	8.7	8.4	8.6	7.8	6.2	8.2	8.4	8.7	8.5	9.0	8.9	8.6	
						PUTAH CREEK							
Putah South Canal a													
Total acre-feet	23,222	8,114	1,866	1,989	2,192	5,833	16,430	26,222	32,847	37,462	29,895	30,098	216,170
Average cubic feet per second	378	136	30	32	39	95	276	426	552	609	486	506	299
Monthly quantities in percent of seasonal	10.8	3.8	0.9	0.9	1.0	2.7	7.6	12.1	15.2	17.3	13.8	13.9	
						CACHE SLOUGH							
City of Vallejo c													
Total acre-feet	1,279	648	1,099	1,179	849	1,115	1,341	1,433	1,519	1,563	1,504	1,480	15,009
Average cubic feet per second	21	11	18	19	15	18	23	23	26	25	24	25	21
Monthly quantities in percent of seasonal	8.5	4.3	7.3	7.9	5.7	7.4	9.0	9.5	10.1	10.4	10.0	9.9	
						OLD RIVER							
Contra Costa Canal a													
Total acre-feet	7,124	4,663	3,868	3,902	3,616	4,378	4,724	5,974	8,420	10,150	11,078	7,587	75,484
Average cubic feet per second	116	78	63	63	65	71	79	97	142	165	180	128	104
Monthly quantities in percent of seasonal	9.4	6.2	5.1	5.2	4.8	5.8	6.3	7.9	11.2	13.4	14.7	10.0	
Delta-Mendota Canal a													
Total acre-feet	125,928	27,973	474	1,452	128,388	233,938	198,429	221,944	264,155	280,580	268,828	165,404	1,917,493
Average cubic feet per second	2,048	470	8	24	2,312	3,804	3,335	3,609	4,439	4,563	4,372	2,780	2,649
Monthly quantities in percent of seasonal	6.6	1.5	0	0.1	6.7	12.2	10.3	11.6	13.8	14.6	14.0	8.6	
						ITALIAN SLOUGH							
California Aqueduct													
Total acre-feet	26,008	88,178	113,385	111,758	42,318	50,790	60,219	44,791	68,250	101,590	123,348	50,719	881,354
Average cubic feet per second	423	1,482	1,844	1,818	762	826	1,012	728	1,147	1,652	2,006	852	1,217
Monthly quantities in percent of seasonal	2.9	10.0	12.9	12.7	4.8	5.8	6.8	5.1	7.7	11.5	14.0	5.8	

a Data furnished by U. S. Bureau of Reclamation.
b Data furnished by East Bay Municipal Utility District.
c Data furnished by City of Vallejo.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A21010	SACRAMENTO RIVER AT KESWICK

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	11.73	11.07	19.15	15.81	17.82	10.21	13.90	14.27	15.75	14.92	15.94	15.35	1
2	11.48	11.05	20.86	15.84	17.82	10.17	15.87	14.30	15.34	15.00	15.80	14.80	2
3	11.45	11.05	22.81	15.80	17.80	10.17	15.79	14.31	15.38	14.99	15.54	13.95	3
4	11.42	11.06	23.41	15.63	17.72	10.15	15.81	14.73	15.37	14.96	15.77	13.85	4
5	11.44	11.03	23.97	15.65	16.92	10.16	16.27	15.60	15.32	14.96	15.53	13.89	5
6	11.44	11.01	23.92	15.70	15.94	10.19	16.25	15.96	15.23	14.95	15.27	13.86	6
7	11.43	11.00	23.97	15.70	15.84	10.18	15.54	16.40	15.24	14.95	15.28	13.87	7
8	11.44	11.05	24.16	15.67	15.78	10.17	14.92	16.79	15.41	14.96	15.24	13.86	8
9	11.44	10.83	24.42	14.44	15.77	9.73	14.97	17.02	15.48	14.93	15.25	13.87	9
10	11.44	9.87	23.68	13.30	15.77	9.31	15.25	16.91	15.41	14.93	15.25	13.88	10
11	11.46	9.56	22.17	13.29	14.51	9.35	16.45	16.89	15.40	14.93	15.25	13.84	11
12	11.47	9.53	20.58	13.30	14.39	9.51	16.66	16.94	15.39	14.92	15.26	13.82	12
13	11.42	10.65	18.86	13.30	13.18	9.38	16.98	17.17	15.38	14.93	15.26	13.92	13
14	11.38	10.81	18.73	13.30	13.10	9.37	16.82	17.41	15.38	14.94	15.26	13.86	14
15	11.04	11.84	18.73	15.19	13.10	9.35	16.82	17.35	15.49	14.95	15.22	13.87	15
16	11.07	14.18	18.70	15.49	13.07	9.34	15.57	17.32	15.49	14.93	15.23	13.90	16
17	11.07	15.02	18.66	16.02	13.01	9.37	15.52	17.32	15.55	14.92	15.31	13.85	17
18	11.06	15.61	18.66	20.05	11.86	9.36	15.53	17.23	15.42	14.89	15.32	13.85	18
19	11.07	15.64	18.56	20.89	11.12	9.46	15.58	17.12	15.39	14.87	15.23	13.87	19
20	11.07	15.65	16.52	20.92	11.08	9.71	15.52	17.01	15.33	14.87	15.27	13.92	20
21	11.06	15.63	16.44	20.88	11.09	9.77	14.99	16.53	15.47	14.89	15.27	13.91	21
22	11.06	15.61	16.22	20.90	11.05	9.79	14.99	15.70	15.54	14.90	15.28	13.94	22
23	11.07	15.59	16.37	20.89	11.05	9.80	14.94	15.67	15.58	14.98	15.28	13.90	23
24	11.07	15.66	16.14	20.82	11.05	9.80	14.33	15.75	15.56	14.98	15.28	13.91	24
25	11.04	15.59	15.72	20.87	10.69	10.21	14.34	15.59	15.32	14.98	15.28	13.89	25
26	11.06	15.59	15.75	20.76	10.67	10.16	14.37	15.65	15.19	14.96	15.29	13.89	26
27	11.08	16.02	15.67	18.94	10.65	9.93	14.36	15.73	15.19	15.02	15.28	13.90	27
28	11.07	16.43	15.82	17.83	10.62	9.86	13.91	15.77	15.18	15.28	15.29	13.90	28
29	11.05	16.36	15.86	17.84		10.14	14.31	15.64	15.23	15.34	15.27	13.56	29
30	11.06	16.45	15.86	17.83		13.11	14.34	15.59	15.23	15.67	15.33	13.32	30
31	11.06		15.84	17.81		13.42		15.70		15.55	15.34		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
12-9-70	1230	24.52									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
40 36 05	122 26 35	NW28 32N 5W	186000	47.2	2/28/40	OCT 38-DATE	OCT 38-DATE	1938	1939	500.01	USCGS
			78900	32.20	1/24/70			1939	1942	495.01	USCGS
								1942		479.81	USCGS

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

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

WATER YEAR	STATION NO.	STATION NAME
1971	A02788	SACRAMENTO RIVER ABOVE BEND BRIDGE NEAR RED BLUFF

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3.38	3.05	13.50	8.99	10.20	3.54	6.97	6.36	7.71	6.42	6.67	6.33	1
2	3.27	3.08	14.66	8.94	10.15	3.40	8.53	6.39	7.32	6.43	6.75	6.07	2
3	3.17	3.01	15.44	8.52	10.05	3.38	8.55	6.52	7.16	6.42	6.58	5.45	3
4	3.17	3.20	22.95	8.27	9.97	3.38	8.43	6.95	7.12	6.41	6.69	5.13	4
5	3.18	3.58	17.88	8.13	9.44	3.35	8.53	7.45	7.05	6.36	6.59	5.13	5
6	3.19	4.40	16.87	8.13	8.66	3.33	8.75	7.83	6.94	6.33	6.38	5.12	6
7	3.19	5.52	17.54	7.98	8.26	3.32	8.46	8.08	6.89	6.33	6.37	5.05	7
8	3.21	3.78	19.43	7.93	8.15	3.31	7.59	8.59	6.96	6.33	6.31	5.10	8
9	3.20	7.92	18.73	7.25	8.07	3.16	7.49	8.88	7.13	6.34	6.30	5.11	9
10	3.21	5.65	17.03	6.80	8.07	2.90	8.00	8.79	7.14	6.33	6.29	5.11	10
11	3.20	3.56	15.08	8.22	7.36	2.83	8.56	8.66	6.96	6.33	6.28	5.10	11
12	3.20	4.08	13.69	7.51	7.07	7.79	8.66	8.76	6.97	6.33	6.29	5.08	12
13	3.16	3.63	12.21	6.87	6.41	7.07	8.95	8.83	6.97	6.31	6.29	5.12	13
14	3.14	3.67	11.45	6.64	6.05	4.57	8.86	9.05	6.96	6.32	6.30	5.11	14
15	2.98	3.99	11.37	7.97	6.00	4.73	8.83	9.06	6.93	6.30	6.28	5.08	15
16	2.91	5.30	13.11	21.17	5.95	4.06	8.05	8.89	6.98	6.30	6.27	5.10	16
17	2.91	6.60	13.40	18.41	5.85	3.97	7.77	8.83	6.97	6.26	6.33	5.08	17
18	2.96	7.11	12.55	16.36	5.23	3.67	7.68	8.80	6.90	6.26	6.36	5.07	18
19	3.00	7.29	11.87	16.00	4.64	3.51	7.63	8.67	6.85	6.27	6.30	5.07	19
20	3.12	7.31	10.53	15.07	4.30	3.43	7.80	8.47	6.76	6.25	6.32	5.13	20
21	3.24	7.29	12.93	14.39	4.20	3.41	7.42	8.36	6.82	6.22	6.34	5.12	21
22	3.25	7.30	10.51	13.90	4.18	3.34	7.15	7.55	6.85	6.22	6.35	5.14	22
23	3.32	7.33	9.83	13.58	4.16	4.41	7.04	7.34	6.88	6.24	6.33	5.10	23
24	3.42	7.65	9.50	13.31	4.12	6.40	6.62	7.38	6.95	6.26	6.33	5.12	24
25	3.24	10.23	8.74	13.18	3.92	8.45	6.45	7.32	6.70	6.25	6.33	5.13	25
26	3.15	8.97	8.60	12.98	3.82	16.76	6.44	7.47	6.77	6.23	6.34	5.16	26
27	3.15	8.76	8.57	12.16	3.77	10.07	6.40	7.50	7.12	6.23	6.32	5.18	27
28	3.14	19.05	8.73	10.46	3.76	7.26	6.10	7.82	6.81	6.32	6.30	5.20	28
29	3.11	17.20	12.10	10.35		6.06	6.32	7.62	6.71	6.44	NR	5.13	29
30	3.06	13.31	10.05	10.28		5.85	6.40	7.46	6.64	6.52	NR	5.10	30
31	3.05		9.31	10.23		7.31		7.51		6.63	NR		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
12-4-70	0715	27.58									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
40 17 19	122 11 08	SE10 28N 3W	157000	36.60	1/24/70	1967-DATE	1967-DATE			0.00	LOCAL

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

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

WATER YEAR	STATION NO.	STATION NAME
1971	A02700	SACRAMENTO RIVER AT VINA BRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	67.25	67.14	75.74	71.59	72.41	67.61 E	70.61	69.57	70.35	69.31	69.25	69.06	1
2	67.22	67.18	76.23	71.76	72.38	67.49 E	71.02	69.58	70.25	69.23	69.38	68.89	2
3	67.13	67.13	76.57	71.29	72.28	67.45 E	71.42	69.64	70.00	69.21	69.29	68.56	3
4	67.11	67.24	83.84	71.03	72.16	67.45 E	71.29	69.86	69.92	69.17	69.16	68.21	4
5	67.11	67.59	80.30	70.95	71.92	67.43 E	71.22	70.19	69.89	69.12	69.25	68.18	5
6	67.11	68.30	78.34	70.92	71.44	67.38	71.45	70.46	69.84	69.11	69.09	68.20	6
7	67.12	69.17	77.91	70.74	71.02	67.38	71.38	70.64	69.79	69.06	69.04	68.14	7
8	67.12	67.94	80.50	70.64	70.91	67.29	70.84	71.00	69.78	69.05	69.01	68.16	8
9	67.15	68.95	81.15	70.48	70.83	67.28	70.59	71.21	69.89	69.03	68.99	68.16	9
10	67.13	71.28	78.42	69.97	70.82	67.06	70.92	71.24	69.87	69.04	68.97	68.18	10
11	67.14	68.33	76.80	71.05	70.72	66.95	71.09	71.15	69.82	69.04	68.96	68.17	11
12	67.14	68.56	75.58	70.79	70.39	68.44	71.26	71.21	69.82	69.02	68.97	68.16	12
13	67.11	67.97	74.32	70.19	70.24	72.68	71.36	71.27	69.77	69.00	68.97	68.16	13
14	67.07	67.83	73.47	70.05	69.83	69.21	71.39	71.39	69.73	68.98	68.98	68.15	14
15	67.05	67.82	73.16	70.16	69.68	68.96	71.34	71.43	69.68	68.97	68.97	68.12	15
16	66.95	68.21	74.73	80.07	69.62	68.47	71.10	71.28	69.70	68.97	68.94	68.13	16
17	66.96	69.37	75.46	83.36	69.52	68.31	70.66	71.22	69.67	68.95	68.94	68.11	17
18	66.99	69.66	74.69	78.71	69.28	68.04	70.59	71.17	69.66	68.95	68.99	68.09	18
19	67.03	69.92	74.20	78.09	68.80	67.81	70.47	71.05	69.60	68.94	68.97	68.14	19
20	67.17	69.92	73.17	77.00	68.48	67.70	70.56	70.89	69.56	68.90	68.97	68.15	20
21	67.29	69.91	75.73	76.12	68.33	67.64	70.45	70.93	69.56	68.88	68.99	68.16	21
22	67.30	69.92	73.67	75.51	68.26	67.61	70.17	70.45	69.57	68.88	69.01	68.16	22
23	67.34	69.96	72.45	75.11	67.92	68.25	70.04	70.17	69.58	68.87	69.10	68.17	23
24	67.48	70.02	72.11	74.82	67.93	70.53	69.86	70.21	69.56	68.92	69.00	68.15	24
25	67.32	71.57	71.52	74.62	68.01	70.44	69.61	70.23	69.49	68.91	69.00	68.17	25
26	67.22	71.89	71.32	74.42	67.86	78.68	69.60	70.26	69.59	68.88	68.94	68.20	26
27	67.19	70.91	71.26	74.14	67.81 E	75.21	69.56	70.36	69.90	68.89	68.89	68.20	27
28	67.18	79.96	71.23	72.76	67.80 E	72.03	69.50	70.53	69.69	68.93	68.95	68.22	28
29	67.17	82.71	73.43	72.51		70.79	69.38	70.48	69.51	69.06	69.02	68.18	29
30	67.18	77.40	72.69	72.45		70.50	69.57	70.31	69.43	69.09	69.00	68.27	30
31	67.16		71.93	72.43		70.94		70.29		69.28	69.03		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
12-4-70	1730	86.03									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 54 34	122 05 31	NE28 24N 2W	171000	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-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1971	A02630	SACRAMENTO RIVER AT HAMILTON CITY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	28.49	28.46	36.13	32.78	33.46	29.18 E	31.80	30.24	31.06	30.03	29.84	29.93	1
2	28.49	28.49	36.14	32.91	33.44	29.14 E	31.95	30.25	31.13	29.90	30.00	29.87	2
3	28.39	28.47	36.58	32.55	33.36	29.10 E	32.43	30.32	30.87	29.89	29.93	29.58	3
4	28.38	28.54	42.02	32.28	33.27	29.06 E	32.32	30.52	30.80	29.85	29.77	29.22	4
5	28.40	28.76	41.78	32.18	33.10	29.02 E	32.21	30.85	30.74	29.80	29.88	29.18	5
6	28.42	29.41	38.67	32.16	32.68	28.99	32.26	31.18	30.70	29.78	29.74	29.20	6
7	28.40	30.16	37.97	32.00	32.26	28.99	32.25	31.31	30.60	29.74	29.65	29.14	7
8	28.43	29.43	39.93	31.92	32.15	28.94	31.91	31.63	30.55	29.72	29.66	29.17	8
9	28.44	29.52	41.29	31.80	32.06	28.92	31.53	31.84	30.63	29.72	29.65	29.18	9
10	28.43	32.64	38.83	31.37	32.03	28.78	31.66	31.96	30.62	29.71	29.64	29.22	10
11	28.44	29.83	37.36	32.12	31.89	28.66	31.84	31.86	30.60	29.70	29.62	29.25	11
12	28.45	29.85	36.26	32.05	31.67	29.15	31.97	31.90	30.55	29.70	29.61	29.23	12
13	28.42	29.46	35.19	31.58	31.44	33.92	31.95	31.92	30.53	29.68	29.62	29.25	13
14	28.37	29.23	34.39	31.39	31.15	30.89	31.97	32.02	30.47	29.66	29.64	29.28	14
15	28.38	29.15	34.07	31.39	31.03	30.43	31.87	32.06	30.43	29.64	29.63	29.27	15
16	28.30	29.43	35.21	38.23	30.96	30.05	31.74	31.94	30.45	29.65	29.62	29.28	16
17	28.26	30.42	35.91	44.16	30.86	29.86	31.24	31.88	30.39	29.63	29.62	29.29	17
18	28.30	30.77	35.41	39.47	30.59	29.65	31.15	31.78	30.38	29.63	29.65	29.27	18
19	28.33	31.04	35.13	38.45	30.04	29.42	31.03	31.65	30.32	29.61	29.67	29.31	19
20	28.43	31.08	34.25	37.55	29.80	29.24	31.11	31.53	30.26	29.56	29.65	29.35	20
21	28.55	31.08	36.20	36.73	29.74	29.15	31.10	31.53	30.27	29.53	29.69	29.38	21
22	28.58	31.08	34.96	36.15	29.28	29.10	30.80	31.19	30.27	29.51	29.70	29.41	22
23	28.61	31.12	33.63	35.79	29.63	29.39	30.68	30.82	30.24	29.50	29.79	29.42	23
24	28.71	31.15	33.24	35.54	29.40	31.46	30.56	30.80	30.25	29.52	29.77	29.42	24
25	28.66	32.25	32.78	35.34	29.35	31.31	30.29	30.85	30.17	29.52	29.74	29.45	25
26	28.55	32.86	32.51	35.18	29.33	37.95	30.27	30.85	30.17	29.51	29.74	29.48	26
27	28.51	32.02	32.46	34.97	29.26 E	36.79	30.23	30.98	30.50	29.50	29.72	29.52	27
28	28.51	38.11	32.43	33.93	29.22 E	33.33	30.18	31.13	30.40	29.55	29.78	29.52	28
29	28.50	42.91	33.96	33.56		32.09	30.02	31.17	30.18	29.67	29.86	29.54	29
30	28.49	38.89	33.90	33.49		31.63	30.20	31.03	30.11	29.70	29.90	29.59	30
31	28.50		33.11	33.47		32.07		30.99		29.87	29.93		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-17-71	1300	45.05									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 45 07	121 59 43	NE20 22N 1W	350000 E	22.6	2/28/40	APR 45-DATE	27-DATE	1927	1945	127.9	USED
			156000	50.77	1/24/70			1945		100.0	USED
								1945		96.5	USCGS

Station located at Gianella Bridge, State Highway 32, 1.0 mi. NE of Hamilton City. The maximum discharges of record since 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 sq. mi.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A02570	SACRAMENTO RIVER AT ORD FERRY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	46.70	46.68	55.92	52.23	52.69	48.01	51.46	48.76	49.67	48.56	48.19	48.32	1
2	46.71	46.68	55.49	52.35	52.61	47.83	51.45	48.74	49.82	48.42	48.33	48.30	2
3	46.60	46.68	56.23	52.04	52.47	47.80	52.01	48.77	49.53	48.41	48.28	48.07	3
4	46.58	46.72	60.13	51.73	52.36	47.75	51.77	48.94	49.44	48.37	48.15	47.74	4
5	46.58	46.95	62.84	51.43	52.22	47.73	51.13	49.25	49.39	48.33	48.23	47.66	5
6	46.62	47.54	58.61	51.31	51.82	47.68	51.05	49.69	49.32	48.17	48.10	47.66	6
7	46.60	48.13	57.47	51.09	51.37	47.67	51.05	49.93	49.23	48.09	48.05	47.61	7
8	46.61	47.90	58.91	50.99	51.21	47.62	50.79	50.20	49.17	48.09	48.06	47.61	8
9	46.64	47.46	60.88	50.88	51.10	47.58	50.34	50.49	49.22	48.09	48.02	47.63	9
10	46.63	51.25	58.86	50.47	51.03	47.46	50.33	50.63	49.23	48.09	48.03	47.65	10
11	46.64	48.55	57.18	50.97	51.07	47.31	50.60	50.56	49.22	48.09	48.01	47.69	11
12	46.65	48.20	56.19	51.11	50.68	47.54	50.77	50.55	49.18	48.10	48.00	47.67	12
13	46.63	48.00	55.20	50.73	50.62	52.63	50.69	50.59	49.13	48.09	48.02	47.68	13
14	46.58	47.64	54.31	50.42	50.24	50.09	50.75	50.69	49.08	48.06	48.02	47.71	14
15	46.59	47.50	53.94	50.41	50.06	49.70	50.64	50.74	49.03	48.05	48.03	47.70	15
16	46.49	47.72	54.83	55.79	49.97	49.80	50.57	50.65	49.02	48.06	48.02	47.72	16
17	46.43	48.54	55.73	63.70	49.88	48.88	50.02	50.58	48.98	48.03	48.02	47.72	17
18	46.47	49.10	55.43	60.84	49.77	48.43	49.90	50.48	48.97	48.06	48.04	47.70	18
19	46.50	49.42	55.18	58.84	49.37	48.10	49.76	50.34	48.91	48.03	48.06	47.73	19
20	46.58	49.51	53.91	57.99	49.03	47.92	49.78	50.24	48.84	47.99	48.05	47.76	20
21	46.73	49.51	55.63	57.09	48.82	47.81	49.83	50.18	48.84	47.96	48.08	47.79	21
22	46.79	49.53	55.04	56.43	48.70	47.74	49.51	49.94	48.84	47.93	48.09	47.82	22
23	46.82	49.57	53.10	55.89	48.59	47.88	49.38	49.49	48.81	47.93	48.14	47.84	23
24	46.90	49.61	52.55	55.59	48.16	49.86	49.28	49.43	48.82	47.94	48.16	47.83	24
25	46.92	50.48	52.10	55.34	48.37	50.00	49.00	49.47	48.76	47.95	48.11	47.85	25
26	46.78	51.59	51.73	55.10	48.19	56.06	48.94	49.46	48.71	47.93	48.13	47.87	26
27	46.73	50.75	51.66	54.80	48.12	57.29	48.88	49.58	49.03	47.89	48.10	47.93	27
28	46.72	55.64	51.58	53.61	48.10	52.85	48.80	49.72	48.97	47.93	48.15	47.92	28
29	46.72	62.33	52.66	52.98		51.27	48.62	49.83	48.71	48.03	48.22	47.95	29
30	46.70	60.29	53.37	52.80		50.59	48.73	49.69	48.62	48.07	48.27	47.99	30
31	46.69		52.45	52.72		51.58		49.63		48.20	48.30		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-17-71	1815	64.59									

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

Station located 0.1 mi. below Ord Ferry. Records of flows in excess of 70,000 cubic feet per second are not reliable due to an undetermined amount of water by-passing the station via Butte Basin. Flow regulated by Shasta Lake since 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-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1971	A02500	SACRAMENTO RIVER AT BUTTE CITY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	71.41	71.41	83.79	77.53	78.04	72.76	76.65	73.33	74.19	73.05	72.64	72.74	1
2	71.42	71.40	81.54	77.57	77.96	72.52	76.45	73.35	74.42	72.90	72.80	72.76	2
3	71.36	71.40	82.56	77.41	77.83	72.46	77.06	73.42	74.11	72.85	72.79	72.63	3
4	71.30	71.42	84.97	77.02	77.68	72.41	76.99	73.56	73.99	72.84	72.64	72.22	4
5	71.28	71.63	90.43	76.67	77.55	72.38	76.32	73.90	73.93	72.80	72.68	72.01	5
6	71.31	72.17	87.73	76.52	77.17	72.34	76.04	74.31	73.84	72.72	72.55	71.97	6
7	71.33	72.87	85.09	76.27	76.67	72.31	76.06	74.51	73.76	72.67	72.48	71.95	7
8	71.32	73.22	85.49	76.11	76.39	72.30	75.89	74.75	73.65	72.63	72.46	71.90	8
9	71.35	72.28	88.16	75.97	76.24	72.22	75.32	75.15	73.68	72.58	72.43	71.91	9
10	71.36	75.52	87.61	75.59	76.13	72.14	75.15	75.34	73.70	72.56	72.44	71.94	10
11	71.32	74.11	84.88	75.71	76.16	71.96	75.47	75.33	73.72	72.55	72.42	71.99	11
12	71.32	72.93	83.05	76.36	75.78	71.96	75.67	75.27	73.66	72.54	72.39	72.01	12
13	71.34	73.86	81.68	75.95	75.66	76.65	75.55	75.34	73.59	72.52	72.38	71.99	13
14	71.29	72.38	80.39	75.43	75.26	75.54	75.62	75.41	73.56	72.50	72.39	72.02	14
15	71.24	72.26	79.75	75.35	75.01	74.55	75.50	75.48	73.50	72.47	72.39	72.05	15
16	71.22	72.36	80.22	78.73	74.87	74.82	75.43	75.40	73.47	72.45	72.40	72.06	16
17	71.10	72.98	81.47	89.21	74.75	73.88	74.91	75.30	73.44	72.46	72.38	72.07	17
18	71.12	73.86	81.68	89.90	74.61	73.32	74.69	75.20	73.43	72.45	72.42	72.07	18
19	71.18	74.24	81.25	87.03	74.20	72.89	74.51	75.05	73.34	72.46	72.45	72.06	19
20	71.23	74.41	79.91	85.80	73.79	72.74	74.44	74.97	73.30	72.42	72.45	72.09	20
21	71.39	74.44	80.67	84.37	73.51	72.58	74.54	74.81	73.27	72.39	72.46	72.12	21
22	71.53	74.48	81.76	83.24	73.37	72.47	74.24	74.70	73.28	72.35	72.48	72.15	22
23	71.55	74.50	78.97	82.40	73.27	72.39	74.05	74.13	73.25	72.33	72.52	72.19	23
24	71.63	74.58	78.13	81.84	72.83	74.05	73.91	74.00	73.25	72.30	72.57	72.21	24
25	71.72	74.96	77.62	81.44	73.11	74.98	73.61	73.99	73.22	72.31	72.56	72.22	25
26	71.55	76.54	77.08	81.10	72.91	79.07	73.47	73.98	73.11	72.29	72.57	72.25	26
27	71.48	75.99	76.92	80.74	72.84	84.62	73.41	74.10	73.41	72.28	72.55	72.28	27
28	71.45	78.78	76.78	79.60	72.82	79.31	73.31	74.20	73.50	72.31	72.54	72.34	28
29	71.45	87.73	77.36	78.49		76.77	73.12	74.41	73.23	72.40	72.58	72.34	29
30	71.44	89.27	78.98	78.26		75.74	73.24	74.27	73.11	72.49	72.65	72.37	30
31	71.41		77.84	78.11		76.50		74.18		72.61	72.70		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-18-71	0400	91.10									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 27 35	121 59 35	NE32 19N 1W	170000 152000	96.87 95.92	2/ 7/42 1/25/70	JUL 19-OCT 38 8 JAN 39-DATE	JUL 19-OCT 28 8 APR 29-DATE	1921		0.00	USED

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

8 - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A02445	SACRAMENTO RIVER AT MOULTON WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			77.33 A										1
2													2
3													3
4			76.94 A										4
5			78.82										5
6			78.16										6
7			76.90 A										7
8													8
9			77.50 A										9
10			77.83										10
			76.90 A										
11													11
12													12
13													13
14													14
15													15
16													16
17			78.15 A										17
18			79.32										18
19			77.54										19
20			76.89 A										20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29		77.51 A											29
30		78.54											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
11-30-70	1245	78.81	12-10-70	0345	78.22						
12- 5-70	1930	79.60	1-18-71	0800	79.77						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 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 ft.) are not tabulsted.

A - Mean gage height for period of flow.
- Flood season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A02450	SACRAMENTO RIVER OPPOSITE MOULTON WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	57.52	57.49	75.16	66.43	67.20	59.42	65.25	60.28	61.50	59.84	59.30	59.54	1
2	57.54	57.47	71.84	66.30	67.08	59.11	64.91	60.30	61.81	59.64	59.47	59.51	2
3	57.49	57.48	72.69	66.23	66.88	59.01	65.75	60.40	61.46	59.56	59.50	59.27	3
4	57.39	57.51	74.09	65.55	66.64	58.95	65.87	60.59	61.25	59.52	59.32	58.79	4
5	57.36	57.72	79.12	64.99	66.44	58.90	64.96	61.02	61.15	59.46	59.31	58.50	5
6	57.39	58.35	78.24	64.67	65.90	58.84	64.38	61.56	61.04	59.36	59.19	58.46	6
7	57.41	59.20	75.85	64.33	65.13	58.80	64.41	61.89	60.93	59.33	59.06	58.43	7
8	57.41	59.93	75.37	64.06	64.60	58.77	64.23	62.22	60.77	59.23	59.04	58.37	8
9	57.43	58.65	77.46	63.88	64.37	58.66	63.39	62.81	60.77	59.20	59.00	58.40	9
10	57.45	62.20	77.89	63.41	64.20	58.57	63.04	63.12	60.80	59.19	59.01	58.44	10
11	57.43	61.77	75.77	63.31	64.22	58.32	63.47	63.15	60.81	59.19	58.99	58.52	11
12	57.41	59.65	73.71	64.43	63.80	58.30	63.74	63.05	60.72	59.18	58.95	58.51	12
13	57.43	59.79	72.16	63.91	63.52	63.72	63.65	63.16	60.66	59.15	58.97	58.50	13
14	57.37	58.94	70.60	63.13	63.06	64.23	63.73	63.24	60.61	59.10	58.98	58.55	14
15	57.30	58.75	69.67	62.97	62.64	62.00	63.59	63.37	60.52	59.07	58.99	58.55	15
16	57.28	58.84	69.82	66.26	62.42	62.30	63.45	63.33	60.48	59.06	58.98	58.59	16
17	57.14	59.60	71.49	77.02	62.26	61.24	62.75	63.16	60.42	59.06	58.96	58.59	17
18	57.16	60.75	72.14	79.62	62.07	60.37	62.32	63.00	60.40	59.04	59.01	58.55	18
19	57.22	61.24	71.54	77.49	61.58	59.72	62.06	62.78	60.29	59.04	59.04	58.58	19
20	57.29	61.54	70.17	76.38	60.98	59.36	61.92	62.63	60.21	58.97	59.02	58.66	20
21	57.47	61.57	70.18	75.08	60.57	59.10	62.04	62.41	60.15	58.92	59.07	58.75	21
22	57.64	61.61	72.36	73.86	60.36	58.98	61.66	62.30	60.17	58.87	59.11	58.79	22
23	57.66	61.65	69.03	72.90	60.22	58.94	61.35	61.52	60.12	58.83	59.19	58.84	23
24	57.74	61.75	67.31	72.23	59.60	60.77	61.16	61.25	60.12	58.84	59.25	58.82	24
25	57.86	62.11	66.43	71.79	59.94	62.57	60.79	61.21	60.08	58.87	59.17	58.86	25
26	57.66	64.42	65.54	71.43	59.71	66.56	60.55	61.21	59.94	58.88	59.21	58.90	26
27	57.57	64.14	65.24	71.03	59.54	74.68	60.45	61.36	60.28	58.80	59.16	58.97	27
28	57.54	66.23	65.05	69.94	59.48	70.26	60.31	61.49	60.48	58.85	59.18	58.97	28
29	57.53	76.06	65.49	68.18		66.17	60.04	61.80	60.14	58.94	59.32	58.98	29
30	57.53	78.78	68.51	67.63		64.16	60.15	61.65	59.94	59.06	59.42	59.04	30
31	57.49		67.19	67.31		64.68		61.51		59.21	59.50		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-18-71	0645	80.20									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 20 13	122 01 50	SW12 17N 2W		85.5 83.0	2/ 7/42 12/24/64	MAR 54-DATE 8	OCT 22-MAY 40 # JUL 40-JUL 41 NOV 41-JUL 43 # OCT 43-DATE			0.00	USED

Station located immediately W of weir, 4.8 mi. S of Princeton.

8 - Irrigation season only.
- Flood season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A02430	SACRAMENTO RIVER AT COLUSA WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			64.83										1
2			63.22										2
3			63.46										3
4			63.92										4
5			66.16										5
6			66.05										6
7			64.86										7
8			64.51										8
9			65.38										9
10			65.73										10
11			64.84										11
12			63.94										12
13			63.32										13
14			62.68										14
15			62.23										15
16			62.18	62.10 A									16
17			62.94	64.82									17
18			63.26	66.38									18
19			63.01	65.44									19
20			62.51	64.89									20
21			62.25	64.37									21
22			63.37	63.88									22
23			62.29 A	63.52									23
24				63.25									24
25				63.07									25
26				62.94		62.20 A							26
27				62.78		63.96							27
28				62.44		62.85 A							28
29		64.71		61.84 A									29
30		66.31											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
12- 5-70	2200	66.71	3-27-71	1630	64.34						
1-18-71	1030	66.58									

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 #	1935		0.00	USED

Station located at north end of weir, 2.0 mi. N of Colusa. Gage heights below weir crest (elevation 61.80 ft.) are not tabulated.

A - Mean gage height for period of flow.
- Flood season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A02420	SACRAMENTO RIVER AT COLUSA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	42.65	42.54	63.30	56.70	57.49	45.84	54.78	47.03	49.30	46.65	45.81	46.35	1
2	42.67	42.51	61.70	56.29	57.36	45.47	54.48	47.13	49.60	46.40	45.89	46.37	2
3	42.66	42.53	61.40	56.35	57.12	45.24	55.10	47.25	49.45	46.20	46.10	46.13	3
4	42.50	42.56	62.20	55.48	56.80	45.13	55.77	47.48	49.03	46.15	45.91	45.53	4
5	42.43	42.75	64.40	54.62	56.83	45.06	54.92	48.08	48.85	46.06	45.72	44.88	5
6	42.45	43.44	64.50	53.95	55.97	44.98	53.65	48.88	48.69	45.92	45.78	44.74	6
7	42.47	44.77	63.20	53.44	54.94	44.90	53.46	49.52	48.54	45.85	45.49	44.72	7
8	42.44	46.27	62.80	52.93	53.93	44.86	53.31	49.96	48.27	45.71	45.41	44.59	8
9	42.47	44.79	63.60	52.61	53.44	44.70	52.23	50.78	48.13	45.62	45.38	44.60	9
10	42.51	47.36	64.10	52.10	53.13	44.60	51.37	51.35	48.17	45.59	45.33	44.64	10
11	42.50	50.53	63.27	51.41	53.04	44.26	51.69	51.57	48.14	45.59	45.36	44.77	11
12	42.47	46.57	62.33	53.10	52.73	44.11	52.06	51.46	48.00	45.58	45.31	44.83	12
13	42.49	46.23	61.70	52.87	52.10	49.00	52.18	51.59	47.92	45.55	45.33	44.79	13
14	42.44	45.20	60.97	51.77	51.60	54.33	52.21	51.69	47.85	45.49	45.34	44.82	14
15	42.27	44.71	60.38	51.24	50.83	50.58	52.10	51.88	47.72	45.40	45.37	44.85	15
16	42.27	44.64	60.28	53.38	50.40	50.13	51.85	51.98	47.63	45.37	45.37	44.88	16
17	42.09	45.37	61.24	63.02	50.14	49.25	51.18	51.76	47.58	45.39	45.32	44.92	17
18	42.07	47.24	61.63	65.06	49.86	47.68	50.25	51.53	47.47	45.36	45.35	44.85	18
19	42.12	48.13	61.38	64.04	49.32	46.63	49.83	51.20	47.38	45.37	45.44	44.83	19
20	42.21	48.75	60.80	63.35	48.38	45.94	49.47	50.91	47.25	45.27	45.44	44.96	20
21	42.43	48.91	60.37	62.80	47.65	45.48	49.56	50.65	47.13	45.17	45.47	45.06	21
22	42.71	49.01	61.77	62.29	47.29	45.23	49.29	50.55	47.13	45.10	45.55	45.16	22
23	42.78	49.09	60.20	61.91	47.08	45.13	48.74	49.64	47.07	45.02	45.66	45.23	23
24	42.89	49.22	58.15	61.62	46.39	46.69	48.42	48.96	47.05	45.01	45.79	45.25	24
25	43.12	49.40	56.83	61.44	46.48	50.32	47.99	48.81	47.00	45.08	45.73	45.26	25
26	42.95	52.30	55.57	61.29	46.37	53.22	47.49	48.82	46.82	45.11	45.73	45.35	26
27	42.72	53.30	54.85	61.10	46.06	62.20	47.33	48.91	47.09	45.02	45.72	45.44	27
28	42.66	53.70	54.47	60.65	45.92	61.06	47.14	49.13	47.61	45.05	45.73	45.49	28
29	42.64	62.50	54.46	59.15		57.42	46.82	49.53	47.25	45.12	45.94	45.47	29
30	42.61	64.50	58.40	58.20		54.24	46.73	49.57	46.81	45.33	46.10	45.50	30
31	42.57		57.95	57.70		53.55		49.34		45.48	46.24		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-18-71	1100	65.31									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 12 50	121 59 55	NW29 16N 1W	49000 43900	69.20 67.07	2/8/42 1/7/65	APR 20-OCT 38 ȣ	APR 19-DATE	1921 1921		0.00 -3.0	USED USCGS

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

ȣ - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A02984	CHEROKEE CANAL NEAR RICHVALE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.86	2.61	5.70	3.94	3.29	2.61	3.27	4.17	4.07	3.94	4.09	3.98	1
2	1.84	2.58	6.33	5.23	3.28	2.59	3.22	4.19	4.18	4.09	4.02	3.84	2
3	1.87	2.57	5.74	4.04	3.25	2.57	3.19	4.19	4.21	4.07	3.80	3.86	3
4	1.83	2.66	8.28	3.76	3.23	2.57	3.15	4.04	4.15	4.08	4.01	3.88	4
5	1.85	2.78	6.64	3.64	3.22	2.56	3.13	4.04	4.05	4.08	4.07	3.84	5
6	1.84	3.51	5.40	3.57	3.21	2.67	3.11	3.82	3.95	4.09	4.04	3.78	6
7	1.81	3.76	4.67	3.51	3.20	2.51	3.12	3.87	4.04	3.97	4.03	3.72	7
8	1.78	3.13	5.13	3.47	3.18	2.73	3.12	4.17	4.07	3.99	4.00	3.75	8
9	1.77	3.01	4.89	3.44	2.90	2.75	3.09	4.19	4.04	4.06	4.01	3.79	9
10	1.77	3.21	4.16	3.42	2.74	2.62	3.05	4.14	4.15	3.96	4.02	3.69	10
11	1.75	3.14	3.89	3.58	2.74	2.61	3.01	3.88	4.09	3.86	4.10	3.62	11
12	1.92	3.55	3.74	3.64	2.80	2.92	2.99	3.76	4.02	3.98	3.99	3.52	12
13	2.06	3.25	3.66	4.13	3.06	3.50	2.99	4.02	3.93	4.18	3.76	3.46	13
14	2.04	3.09	3.67	3.95	3.10	3.06	3.12	3.98	4.00	4.17	3.83	3.44	14
15	2.04	3.03	3.56	3.72	3.10	3.17	3.29	3.97	3.96	4.12	3.95	3.18	15
16	2.03	3.00	3.99	5.60	3.14	3.03	3.58	4.06	4.08	4.01	3.99	2.97	16
17	2.04	2.98	3.84	5.95	3.25	3.05	3.49	3.99	3.81	3.80	3.97	3.11	17
18	2.05	2.96	3.84	4.60	3.14	3.06	3.42	4.05	3.52	3.70	4.03	3.11	18
19	1.97	2.95	3.98	4.17	3.01	2.93	3.43	4.19	3.52	3.72	4.05	3.13	19
20	1.99	2.95	3.67	3.97	2.73	2.90	3.44	4.21	3.62	3.89	4.02	3.00	20
21	2.10	2.95	7.34	3.77	2.90	2.83	3.42	4.24	3.83	3.96	4.09	2.74	21
22	2.10	2.95	5.68	3.65	3.02	2.80	3.36	4.17	4.07	3.93	4.14	2.67	22
23	2.51	2.95	4.53	3.55	2.86	3.46	3.48	4.08	4.03	3.96	4.08	2.58	23
24	2.65	2.95	4.11	3.47	2.71	4.33	4.18	4.05	3.97	3.99	4.03	2.48	24
25	2.79	2.97	3.86	3.42	2.69	4.99	4.40	4.03	3.99	4.00	3.83	2.24	25
26	2.70	2.99	3.80	3.38	2.67	6.63	4.38	4.10	4.08	4.00	3.60	2.20	26
27	2.68	3.00	4.02	3.36	2.68	4.54	4.15	4.13	4.10	4.03	4.01	2.16	27
28	2.70	6.68	4.10	3.34	2.65	3.85	4.31	4.16	4.13	4.07	4.18	2.30	28
29	2.71	9.17	5.82	3.33		3.59	4.34	4.15	4.07	3.96	4.20	2.27	29
30	2.74	6.57	4.61	3.31		3.45	4.30	4.09	3.97	3.70	4.12	2.31	30
31	2.73		4.11	3.30		3.34		4.07		4.00	4.07		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
11-29-70	1515	9.91									

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

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

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

WATER YEAR	STATION NO.	STATION NAME
1971	A02301	SACRAMENTO RIVER AT TISDALE WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			48.40	46.32	46.66								1
2			48.02	46.06	46.58								2
3			48.03	46.07	46.48		45.58 A						3
4			48.12	45.72 A	46.36		45.89						4
5			48.66		46.24		45.75 A						5
6			49.05		46.00								6
7			48.74		45.61 A								7
8			48.46										8
9			48.48										9
10			48.68										10
11			48.52										11
12			48.25										12
13			48.08										13
14			47.90										14
15			47.76										15
16			47.67										16
17			47.86	47.62 A									17
18			47.98	48.61									18
19			47.94	48.54									19
20			47.87	48.28									20
21			47.67	48.16									21
22			48.00	48.04									22
23			47.73	47.94									23
24			47.11	47.87									24
25			46.59	47.82									25
26			46.02	47.77									26
27			45.53 A	47.71		47.52							27
28				47.62		47.79							28
29		47.55 A		47.29		46.97							29
30		48.47	46.66 A	46.98		45.98 A							30
31			46.80	46.78									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- 6-70	0615	49.13	1-18-71	2000	48.76	4-4-71	1430	45.97			
12-30-70	2115	47.07	3-27-71	2300	47.98						

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

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

A - Mean gage height for partial day of flow.
- Flood season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A02280	SACRAMENTO RIVER BELOW WILKINS SLOUGH

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	30.38	30.33	47.94	45.77	46.18	33.96	44.56	33.85	37.58	33.81	32.71	33.93	1
2	30.39	30.29	47.50	45.50	46.00	33.70	44.52	34.22	37.70	33.74	32.78	34.03	2
3	30.41	30.27	47.54	45.52	45.82	33.30	44.52	34.43	37.84	33.41	33.10	33.97	3
4	30.26	30.33	47.64	45.13	45.73	33.15	45.22	34.76	37.37	33.22	33.03	33.51	4
5	30.14	30.43	48.33	44.38	45.55	33.06	44.78	35.40	37.06	33.11	32.71	32.76	5
6	30.11	30.99	48.82	43.57	45.36	32.98	43.44	36.39	36.84	32.93	32.84	32.38	6
7	30.12	32.27	48.44	43.00	44.73	32.87	42.87	37.31	36.60	32.81	32.56	32.31	7
8	30.10	33.86	48.11	42.41	43.55	32.81	42.70	37.85	36.24	32.63	32.39	32.23	8
9	30.10	33.84	48.14	41.99	42.82	32.61	41.96	38.68	35.95	32.50	32.35	32.24	9
10	30.15	33.53	48.37	41.59	42.27	32.44	40.80	39.45	35.84	32.49	32.24	32.33	10
11	30.18	39.13	48.18	40.69	42.00	32.17	40.62	39.84	35.72	32.59	32.28	32.46	11
12	30.17	36.47	47.86	41.68	41.73	31.96	40.92	39.83	35.58	32.57	32.25	32.65	12
13	30.18	34.70	47.65	42.30	41.18	34.22	41.15	39.92	35.43	32.54	32.22	32.68	13
14	30.17	34.04	47.44	41.46	40.55	42.89	41.02	40.06	35.33	32.48	32.27	32.72	14
15	30.03	33.31	47.25	40.61	39.82	40.84	40.91	40.23	35.12	32.34	32.34	32.83	15
16	29.98	33.22	47.15	41.03	39.18	39.24	40.61	40.38	34.90	32.29	32.38	32.92	16
17	29.86	33.22	47.39	46.90	38.64	38.81	40.13	40.25	34.82	32.29	32.31	33.01	17
18	29.71	33.22	47.54	48.29	38.45	37.18	38.89	40.02	34.64	32.26	32.26	33.03	18
19	29.72	33.22	47.49	48.25	38.09	35.86	38.20	39.65	34.55	32.32	32.32	32.92	19
20	29.82	35.68	47.39	48.01	37.36	34.92	37.50	39.25	34.38	32.22	32.38	32.98	20
21	29.99	37.54	47.15	47.86	36.50	34.23	37.27	38.99	34.23	31.98	32.42	32.99	21
22	30.33	37.67	47.54	47.72	35.90	33.75	37.17	38.83	34.13	31.88	32.59	33.11	22
23	30.55	37.77	47.27	47.60	35.58	33.57	36.45	38.14	34.04	31.74	32.74	33.24	23
24	30.64	37.83	46.64	47.49	35.23	34.11	35.92	37.12	34.00	31.71	32.91	33.28	24
25	30.83	38.01	46.09	47.41	34.56	38.05	35.51	36.77	33.99	31.82	32.97	33.29	25
26	30.89	39.89	45.44	47.37	34.69	40.28	34.77	36.72	33.90	31.93	32.94	33.40	26
27	30.62	42.04	44.70	47.31	34.34	46.85	34.40	36.69	33.87	31.88	33.02	33.49	27
28	30.49	41.98	44.17	47.19	34.09	47.30	34.24	37.02	34.64	31.76	33.11	33.62	28
29	30.46	46.71	43.86	46.81		46.43	33.96	37.39	34.63	31.84	33.27	33.59	29
30	30.44	47.97	45.71	46.52		45.00	33.57	37.77	34.01	32.07	33.52	33.59	30
31	30.37		46.24	46.36		48.72		37.69		32.25	33.76		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-18-71	1830	48.47									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 00 35	121 49 25	NE2 13N 1E	28900 27300	51.41 50.72	2/27/48 1/26/70	APR 31-OCT 38 8 JAN 39-DATE	AUG 31-DATE	1931		0.00	USED

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

8 - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A02976	COLUSA BASIN DRAIN AT HIGHWAY 20

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	38.54	38.38	48.06	39.62	38.52	37.83	39.52	41.61	44.54	40.96	41.72	42.68	1
2	38.51	38.37	47.71	40.33	38.42	37.81	39.92	42.31	44.18	40.74	41.74	42.57	2
3	38.48	38.20	46.68	39.88	38.32	37.81	39.95	44.17	43.11	40.81	41.01	42.51	3
4	38.31	38.48	46.93	39.30	38.23	37.91	40.34	44.90	41.69	40.59	40.90	42.28	4
5	38.24	39.47	47.00	39.17	38.20	37.88	40.31	45.59	40.82	40.53	41.11	41.97	5
6	38.41	39.84	45.29	38.94	38.17	37.80	39.23	45.69	40.25	40.36	41.24	41.72	6
7	38.35	39.78	43.48	38.85	38.13	37.80	39.31	45.07	39.58	40.26	41.24	41.91	7
8	38.16	39.62	42.58	38.76	38.12	37.81	39.48	44.59	38.81	40.15	41.31	41.99	8
9	38.07	39.65	42.34	38.70	38.17	37.79	39.10	44.86	38.46	40.04	41.24	42.18	9
10	38.08	40.30	41.61	38.57	38.08	37.80	38.99	45.19	38.75	40.05	41.04	42.43	10
11	38.08	40.15	40.85	38.55	38.16	37.80	38.77	45.33	38.88	40.14	40.99	42.56	11
12	38.24	39.40	40.32	38.61	38.44	37.89	38.60	45.16	38.66	40.38	40.67	42.43	12
13	38.09	38.98	39.89	38.65	38.43	37.96	38.11	44.91	38.97	40.35	40.52	42.36	13
14	38.05	38.47	39.95	38.65	38.37	37.87	37.91	44.58	39.31	40.22	40.85	42.54	14
15	38.03	38.10	39.81	38.56	38.26	37.83	38.47	44.53	39.18	40.35	41.10	42.09	15
16	37.99	38.16	40.53	40.15	38.29	38.10	38.18	44.14	39.18	40.28	41.35	41.89	16
17	38.03	38.19	41.11	45.60	38.38	38.25	38.26	43.72	39.06	40.07	41.62	41.92	17
18	38.13	38.16	41.97	45.06	38.22	38.04	38.24	43.03	39.18	40.15	41.73	41.39	18
19	38.21	38.07	46.43	43.73	38.14	38.03	38.55	42.34	39.38	40.29	41.82	41.14	19
20	38.39	38.01	45.04	41.87	38.08	38.02	38.29	41.96	39.04	40.27	41.68	40.80	20
21	38.95	37.93	44.16	41.10	38.02	38.07	38.45	43.03	39.10	40.40	41.79	40.58	21
22	39.41	37.85	44.48	40.53	38.01	38.09	39.30	42.77	39.67	40.27	42.13	40.30	22
23	39.02	37.91	42.93	39.97	37.98	38.30	39.78	41.67	39.77	40.12	42.48	39.88	23
24	39.19	37.94	41.33	39.56	37.98	38.86	40.02	41.16	39.91	40.17	42.16	39.80	24
25	39.05	38.04	40.66	39.29	37.92	39.42	40.63	41.16	40.18	40.49	42.29	39.79	25
26	39.09	38.07	40.42	39.04	37.88	39.76	40.07	41.69	40.38	40.67	42.38	39.62	26
27	38.68	38.14	40.58	38.82	37.86	38.97	39.70	42.19	40.86	40.60	42.46	39.41	27
28	38.45	42.74	40.31	38.72	37.89	39.40	39.71	43.81	41.30	40.83	42.45	39.32	28
29	38.50	46.97	40.14	38.76		39.30	40.58	44.94	40.85	41.01	42.43	39.26	29
30	38.40	48.24	39.95	38.61		39.50	41.01	45.27	40.83	41.39	42.64	39.16	30
31	38.44		39.74	38.66		39.45		45.05		41.52	42.78		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
11-30-70	1200	48.31									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 11 44	122 03 34	NE34 16N 2W		51.93	2/21/58	JUN 24-DEC 40 8	JUN 24-DEC 40 8		1957	39.09	USED
			5120	50.96	2/18/69	MAY 41-DATE	MAY 41-DATE	1957		0.00	USED

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

8 - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A02945	COLUSA BASIN DRAIN AT KNIGHTS LANDING

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	24.50	24.03	29.11	26.42	26.07	21.62	26.20	24.54	27.07	24.52	24.52	24.52	1
2	24.51	24.48	29.31	26.41	26.05	21.79	26.26	24.55	27.04	24.51	24.52	24.52	2
3	24.51	24.52	29.23	26.48	25.99	22.13	26.30	24.56	27.03	24.53	24.52	24.52	3
4	24.51	24.52	29.46	26.35	25.95	22.55	26.34	24.65	26.65	24.52	24.52	24.52	4
5	24.51	24.32	29.64	26.29	25.94	22.93	26.44	24.73	26.21	24.52	24.52	24.51	5
6	24.50	23.92	29.55	26.22	25.93	23.27	26.39	25.85	25.90	24.51	24.52	24.51	6
7	24.50	23.34	29.29	26.19	25.92	23.56	26.22	26.24	25.63	24.51	24.51	24.53	7
8	24.50	22.40	28.82	26.15	25.91	23.86	26.17	26.52	25.24	24.51	24.51	24.51	8
9	24.51	22.53	28.24	26.13	25.90	24.02	26.13	27.23	24.71	24.52	24.52	24.52	9
10	24.50	22.08	27.73	26.12	25.90	24.03	26.08	27.44	24.35	24.52	24.52	24.52	10
11	24.52	23.56	27.37	26.15	25.90	24.03	26.01	27.50	24.44	24.52	24.52	24.52	11
12	24.51	24.62	27.09	26.15	25.94	23.68	25.94	27.55	24.42	24.52	24.52	24.52	12
13	24.51	23.47	26.82	26.18	25.98	22.30	25.88	27.53	24.44	24.52	24.52	24.52	13
14	24.50	22.68	26.64	26.19	25.98	22.81	25.75	27.52	24.51	24.51	24.52	24.52	14
15	24.53	21.86	26.58	26.23	25.98	23.37	25.55	27.51	24.52	24.52	24.53	24.52	15
16	24.50	21.32	26.71	26.22	25.93	23.78	25.55	27.51	24.51	24.51	24.52	24.52	16
17	24.52	21.18	26.84	27.08	25.94	24.49	25.51	27.56	24.51	24.52	24.53	24.52	17
18	24.51	21.67	26.94	28.00	25.82	24.86	25.48	27.33	24.39	24.53	24.52	24.51	18
19	24.51	22.31	27.76	27.99	25.62	25.16	25.44	27.04	24.44	24.52	24.52	24.52	19
20	24.33	22.80	28.23	27.70	25.10	25.23	25.53	26.73	24.51	24.52	24.52	24.51	20
21	24.01	23.22	28.28	27.40	24.31	24.71	25.48	26.54	24.50	24.52	24.52	24.52	21
22	24.05	23.55	28.19	27.05	23.67	24.51	25.36	26.54	24.49	24.52	24.53	24.51	22
23	23.76	23.84	28.03	26.73	23.24	24.53	25.10	26.18	24.49	24.52	24.52	24.51	23
24	23.49	24.06	27.54	26.51	22.87	24.57	24.65	25.52	24.52	24.52	24.51	24.52	24
25	23.50	24.35	27.06	26.37	22.32	25.02	24.53	24.98	24.52	24.52	24.52	24.52	25
26	23.52	24.72	26.78	26.28	22.19	25.99	24.52	24.77	24.52	24.53	24.53	24.52	26
27	23.53	24.93	26.67	26.19	21.98	26.23	24.51	24.79	24.53	24.52	24.52	24.52	27
28	23.50	26.21	26.62	26.15	21.73	26.12	24.51	25.29	24.53	24.52	24.52	24.51	28
29	23.54	28.22	26.66	26.11		26.18	24.52	26.10	24.52	24.52	24.51	24.52	29
30	23.54	28.75	26.56	26.09		26.21	24.52	26.83	24.53	24.52	24.52	24.52	30
31	23.58		26.47	26.07		26.22		27.09		24.52	24.52		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
12-5-70	1300	29.71									

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

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

ö - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A02200	SACRAMENTO RIVER AT KNIGHTS LANDING

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	18.70	18.59	34.19	32.45	32.89	21.09	34.37	21.81	26.40	22.00	20.68	23.24	1
2	18.72	18.57	36.10	32.25	32.27	20.88	33.78	22.35	26.44	21.82	20.94	23.32	2
3	18.71	18.68	36.61	32.19	31.83	20.44	33.13	22.78	26.52	21.55	21.09	23.32	3
4	18.65	18.76	36.61	31.87	31.50	20.22	32.58	23.32	26.24	21.35	21.05	23.09	4
5	18.53	19.00	37.04	31.26	31.22	20.16	31.44	23.94	25.87	21.22	20.89	22.61	5
6	18.51	19.57	37.21	30.44	30.93	20.09	30.46	24.62	25.54	21.03	20.86	22.19	6
7	18.53	20.36	37.19	29.78	30.43	19.96	30.01	25.21	25.33	20.79	20.84	22.11	7
8	18.45	21.58	36.96	29.19	29.59	19.89	29.90	25.58	25.05	20.51	20.72	22.12	8
9	18.45	22.00	36.76	28.68	28.89	19.90	29.91	26.03	24.57	20.28	20.66	22.20	9
10	18.54	21.37	36.73	28.24	28.43	19.87	28.87	26.51	24.08	20.16	20.58	22.32	10
11	18.51	24.22	37.50	27.63	28.13	19.96	28.40	26.81	23.74	20.18	20.71	22.43	11
12	18.54	24.38	36.82	28.00	28.02	20.17	28.45	26.87	23.54	20.33	20.90	22.56	12
13	18.59	22.83	36.60	29.08	27.53	21.76	28.48	26.91	23.37	20.40	21.12	22.50	13
14	18.63	22.14	36.38	29.04	27.13	27.93	28.32	27.00	23.21	20.32	21.30	22.66	14
15	18.50	21.32	36.14	28.51	26.56	28.83	28.19	27.07	23.15	20.21	21.45	22.98	15
16	18.41	20.80	35.92	28.46	26.01	27.82	28.02	27.18	22.92	20.18	21.54	23.17	16
17	18.34	20.72	35.84	31.61	25.66	27.55	27.81	27.07	22.74	20.13	21.58	23.26	17
18	18.24	21.38	35.86	33.73	25.42	26.60	27.10	26.95	22.51	20.15	21.61	22.97	18
19	18.24	22.61	35.80	35.65	25.16	25.55	26.38	26.70	22.42	20.26	21.30	22.47	19
20	18.40	23.44	35.65	37.09	24.59	24.79	25.82	26.30	22.14	20.20	21.63	22.22	20
21	18.60	23.92	35.44	37.16	23.80	24.15	25.56	26.04	21.85	20.03	21.75	22.19	21
22	18.81	24.06	35.47	37.03	23.18	23.68	25.27	25.91	21.63	19.90	21.91	22.17	22
23	18.90	24.17	35.44	36.85	22.78	23.46	24.69	25.52	21.58	19.91	22.12	22.20	23
24	19.28	23.99	35.15	36.63	22.61	23.70	24.08	24.80	21.54	19.76	22.25	22.10	24
25	19.26	24.32	34.43	36.41	21.82	25.94	23.47	24.30	21.69	19.74	22.31	21.98	25
26	19.34	25.13	33.50	36.22	21.78	28.97	22.92	24.14	21.65	20.02	22.38	21.88	26
27	19.15	27.11	32.43	36.01	21.54	34.10	22.42	24.16	21.69	20.13	22.09	21.75	27
28	18.97	27.50	31.57	35.80	21.29	35.68	22.20	24.61	22.77	19.99	22.56	21.69	28
29	18.93	30.47	31.04	35.37		35.80	21.99	25.34	22.75	19.97	22.62	21.60	29
30	18.85	32.90	31.81	34.61		35.31	21.75	26.17	22.25	20.14	22.78	21.51	30
31	18.76		32.62	33.73		34.69		26.41		20.38	23.02		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-18-71	1930	34.21									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
			OF RECORD					PERIOD			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	FROM	TO	ZERO ON GAGE	REF. DATUM
38 48 10	121 42 55	NE14 11N 2E		41.83	2/8/42	JUL 19-OCT 38 8 JAN 39-DATE	JUL 19-DATE	1921		0.00 -3.02	USED USCGS

Station located just above the Southern Pacific Railroad Bridge, 13.1 mi. above Feather River immediately NE of Knights Landing. Station affected by backwater from Feather River and Sutter Bypass during periods of high flow. Maximum discharge of record listed is for period 1940 to date. Records furnished by USGS. Drainage area 14,541.

8 - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A02972	BUTTE SLOUGH NEAR MERIDIAN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	39.86	39.93	54.09	47.05	47.56	42.55	48.58	42.26	46.15	42.24	42.45	43.39	1
2	39.90	39.88	53.63	47.10	47.21	42.30	48.26	42.47	46.30	42.29	42.46	43.41	2
3	39.91	39.87	52.88	47.01	46.93	42.04	47.96	43.15	46.33	42.31	42.48	43.27	3
4	39.82	39.95	52.82	46.94	46.72	41.92	47.67	43.99	46.06	42.52	42.50	42.81	4
5	39.75	40.04	53.57	46.85	46.52	41.84	47.45	44.73	45.90	42.51	42.54	42.24	5
6	39.72	40.46	54.96	46.73	46.33	41.78	47.16	45.43	45.78	42.38	42.66	42.02	6
7	39.71	41.49	54.89	46.55	46.16	41.69	46.98	45.88	45.59	42.26	42.76	41.92	7
8	39.67	42.68	54.26	46.26	45.98	41.64	46.81	45.88	45.26	42.11	42.81	41.75	8
9	39.68	42.35	54.06	45.87	45.78	41.53	46.63	45.69	45.01	41.95	42.92	41.75	9
10	39.71	42.11	54.40	45.51	45.66	41.43	46.54	45.74	44.88	41.85	42.88	41.81	10
11	39.75	43.18	54.42	45.33	45.48	41.25	46.44	45.72	44.73	42.04	42.85	41.94	11
12	39.76	43.32	53.81	45.31	45.34	41.09	46.34	45.60	44.41	42.26	42.84	41.98	12
13	39.80	43.13	53.13	45.40	45.24	42.12	46.18	45.55	43.72	42.28	42.60	41.91	13
14	39.78	42.57	52.34	45.39	45.22	44.65	46.09	45.73	43.02	42.20	42.47	41.84	14
15	39.73	42.01	51.39	45.46	45.25	45.61	46.00	45.99	42.63	42.11	42.42	41.80	15
16	39.75	41.80	50.56	45.80	45.22	45.76	45.91	46.09	42.24	42.12	42.30	41.80	16
17	39.70	42.09	50.11	48.38	45.18	45.64	45.80	46.12	41.87	42.12	42.15	41.86	17
18	39.65	43.10	50.84	53.45	45.11	44.94	45.68	46.15	41.66	42.11	42.15	41.71	18
19	39.66	43.32	51.16	54.67	44.98	44.07	45.53	46.14	41.42	42.17	42.03	41.60	19
20	39.71	43.24	50.88	54.52	44.80	43.31	45.21	45.98	41.38	42.22	41.96	41.66	20
21	39.79	43.14	50.17	54.05	44.50	42.77	44.56	45.98	41.38	42.50	42.13	41.73	21
22	39.96	43.05	50.44	53.53	44.14	42.47	44.23	46.18	41.30	42.69	42.53	41.85	22
23	40.09	42.94	51.03	52.96	43.95	42.33	43.77	46.20	41.21	42.58	42.65	42.00	23
24	40.15	42.61	50.19	52.46	43.51	43.00	43.01	45.81	41.20	42.45	42.77	42.09	24
25	40.29	42.45	49.30	52.02	43.17	44.96	42.69	45.61	41.23	42.35	42.99	42.11	25
26	40.34	42.48	48.72	51.62	43.20	45.68	42.66	45.54	41.21	42.29	43.10	42.17	26
27	40.23	42.52	48.26	51.23	42.89	47.66	42.66	45.55	41.29	42.19	43.19	42.19	27
28	40.17	43.14	47.83	50.78	42.68	51.03	42.33	45.77	41.58	42.06	42.77	42.23	28
29	40.14	46.45	47.48	49.79		50.32	42.12	46.03	42.10	42.03	42.93	42.13	29
30	40.07	52.68	47.18	48.76		49.53	42.13	46.21	42.25	42.18	43.14	42.01	30
31	39.99		47.06	48.05		49.01		46.16		42.30	43.33		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
12-6-70	1730	55.20									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 10 05	121 53 28	NE 7 15N 1E				JAN 1939-DATE	NOV 34-MAY 37 # OCT 1937-DATE	1934		0.00	USED

Station located on right bank 0.5 mile upstream from Farmland Road, 1.7 miles northeast of Meridian. Tributary to Sutter Bypass. Flow affected by gate operation. Flow during summer months is made up almost entirely of return water from land irrigated by Feather River diversions. During flood periods, Sacramento River water enters Butte Basin above Butte City from bank spill and spill over Moulton and Colusa Weirs.

- Flood season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A05935	SUTTER BYPASS AT LONG BRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	37.14	37.13	47.91	40.00	41.00	38.81	42.14	40.45	40.49	40.80	41.01	40.15	1
2	37.14	37.13	47.60	40.05	40.55	38.75	41.72	40.46	40.55	40.83	40.94	40.16	2
3	37.15	37.13	46.73	39.96	40.18	38.67	41.22	40.54	40.58	40.84	40.90	40.12	3
4	37.15	37.13	46.52	39.91	39.94	38.65	40.63	40.62	40.52	40.94	40.90	40.00	4
5	37.15	37.13	47.19	39.83	39.77	38.63	40.31	40.86	40.47	40.97	40.92	39.83	5
6	37.15	37.13	48.73	39.74	39.61	38.59	39.95	41.01	40.43	40.90	40.96	39.79	6
7	37.14	37.12	48.82	39.65	39.43	38.56	39.69	40.77	40.38	40.91	41.00	39.79	7
8	37.14	37.61	48.21	39.50	39.07	38.54	39.73	40.34	40.30	40.91	40.97	39.73	8
9	37.14	37.59	47.90	39.29	38.53	38.51	39.78	39.94	40.22	40.85	40.95	39.71	9
10	37.14	37.17	48.21	39.10	38.40	38.53	39.70	39.96	40.19	40.87	40.90	39.73	10
11	37.14	37.85	48.29	38.98	38.31	38.65	39.81	39.95	40.15	40.96	40.89	39.81	11
12	37.14	37.60	47.72	38.93	38.21	38.61	39.90	39.93	40.06	41.04	40.88	39.74	12
13	37.14	37.20	46.94	38.96	38.15	38.82	39.84	39.91	40.10	41.02	40.80	39.46	13
14	37.13	37.16	46.08	38.96	38.13	38.33	39.80	39.95	40.14	40.97	40.75	39.43	14
15	37.13	37.15	45.18	38.98	38.14	38.71	39.75	40.01	40.15	40.93	40.73	39.41	15
16	37.13	37.14	44.43	39.18	38.13	39.15	39.80	40.04	40.32	40.93	40.61	39.42	16
17	37.13	37.14	43.84	40.53	38.08	39.49	39.87	40.04	40.48	40.93	40.31	39.46	17
18	37.13	37.21	44.17	46.69	38.03	39.31	39.84	40.05	40.40	40.93	40.32	39.43	18
19	37.13	37.88	44.59	48.34	37.97	39.02	39.80	40.06	40.44	40.95	40.28	39.38	19
20	37.13	38.59	44.45	48.25	37.87	38.97	39.96	40.03	40.51	40.95	40.25	39.38	20
21	37.13	38.56	43.88	47.82	37.94	39.00	39.94	40.03	40.51	41.05	40.31	39.42	21
22	37.13	38.52	43.76	47.26	38.52	39.03	40.08	40.07	40.46	41.11	40.44	39.47	22
23	37.13	38.56	44.53	46.62	38.81	38.99	40.26	40.09	40.47	41.04	40.49	39.50	23
24	37.13	38.43	43.90	46.07	38.68	39.15	40.02	40.03	40.46	40.97	40.55	39.54	24
25	37.13	38.16	43.07	45.60	38.78	39.45	39.93	39.98	40.48	40.94	40.68	39.56	25
26	37.13	38.22	42.41	45.17	39.00	39.07	39.99	40.18	40.47	40.96	40.62	38.25	26
27	37.13	38.25	41.87	44.80	38.90	39.63	40.14	40.34	40.48	40.96	40.63	37.15	27
28	37.13	38.43	41.38	44.37	38.83	44.23	40.24	40.39	40.56	40.92	40.50	37.15	28
29	37.13	39.44	40.92	43.57		44.07	40.35	40.43	40.73	40.90	40.54	37.15	29
30	37.13	45.17	40.39	42.51		43.23	40.40	40.49	40.80	40.95	40.63	37.15	30
31	37.13		40.09	41.63		42.59		40.50		41.00	40.57		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-6-70	2245	49.04									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 08 46	121 50 31	SE15 15N 1E		57.7	3/1/40		14-DATE			0.00	USED

Station located on west levee, 0.2 mi. N of State Highway 20, 3.9 mi. E of Meridian. Gage heights below 39.0 ft. are not indicative of flow in channel.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A05929	WADSWORTH CANAL NEAR SUTTER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	40.19	39.42	45.18	39.60	39.01	38.57	39.67	39.42	41.38	39.37	39.81	40.03	1
2	40.14	39.34	45.29	40.33	38.99	38.56	39.96	40.56	41.03	39.29	39.84	40.15	2
3	40.10	39.39	44.33	39.72	38.94	38.55	40.06	41.57	40.69	39.27	39.27	40.02	3
4	40.14	39.45	44.61	39.64	38.92	38.54	39.98	41.86	40.54	39.35	39.39	39.95	4
5	39.99	39.44	44.80	39.54	38.89	38.52	39.76	41.75	40.91	39.28	39.67	40.40	5
6	40.11	39.68	45.87	39.48	38.88	38.78	39.81	41.25	40.86	38.95	39.75	40.45	6
7	39.73	39.78	46.11	39.44	38.88	39.78	39.97	40.77	40.43	38.96	39.88	40.27	7
8	39.80	39.60	45.52	39.35	38.86	39.36	39.98	40.78	40.16	38.57	40.24	40.12	8
9	40.02	39.47	45.09	39.26	38.84	39.37	39.60	40.86	39.66	38.98	40.33	40.20	9
10	40.09	39.47	45.29	39.27	38.82	39.90	38.95	40.67	39.74	39.38	40.32	40.25	10
11	39.99	39.49	45.46	39.27	38.82	40.75	39.30	40.49	39.44	39.70	40.20	40.40	11
12	40.03	39.46	44.92	39.27	38.82	41.14	39.98	39.98	39.60	40.08	40.13	40.64	12
13	40.06	39.45	44.16	39.49	38.81	40.96	39.78	40.12	39.95	39.65	40.08	40.93	13
14	40.04	39.42	43.32	39.37	38.80	40.87	39.76	40.62	39.71	39.74	40.34	40.74	14
15	40.20	39.34	42.48	39.38	38.78	40.81	39.18	40.76	39.41	39.40	40.51	40.43	15
16	40.29	39.26	41.76	40.27	38.75	40.68	38.98	40.63	39.32	39.60	40.33	40.58	16
17	40.33	39.29	40.89	40.26	38.42	40.35	39.07	40.46	39.34	39.81	40.13	40.19	17
18	40.45	39.35	41.26	42.46	38.67	40.26	38.95	40.04	39.03	40.12	40.00	40.24	18
19	40.65	39.33	41.79	45.15	38.67	40.52	39.12	40.08	38.95	39.66	39.93	40.31	19
20	40.72	39.26	41.68	45.26	38.65	40.67	39.45	40.31	39.12	39.44	39.96	40.75	20
21	40.91	39.20	41.66	44.83	38.65	40.69	39.79	41.07	39.24	39.57	40.03	41.20	21
22	41.14	39.16	40.90	44.27	38.65	40.24	39.76	40.46	38.96	39.63	40.06	41.45	22
23	40.80	39.19	41.42	43.65	38.63	40.13	39.44	40.14	39.15	39.78	40.00	41.26	23
24	40.41	39.22	41.12	43.10	38.62	40.52	38.92	40.11	39.41	39.91	39.92	40.95	24
25	40.05	39.16	40.22	42.63	38.58	40.74	39.55	40.18	39.25	39.87	39.69	40.98	25
26	39.90	39.06	39.80	42.21	38.59	40.71	39.80	40.07	39.47	39.71	40.00	40.97	26
27	39.81	39.16	39.73	41.82	38.58	40.51	39.35	40.03	39.77	39.67	40.22	41.00	27
28	39.82	40.15	39.68	41.39	38.59	40.78	38.69	40.80	39.92	39.64	40.21	40.59	28
29	39.85	43.64	39.80	40.62		41.37	39.08	41.23	39.71	39.58	40.33	40.28	29
30	39.72	43.38	39.74	39.43		40.68	39.24	41.49	39.42	39.74	40.09	40.35	30
31	39.60		39.63	39.05		40.03		41.28		39.68	40.11		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-6-70	2400	46.26									
1-19-71	2300	45.35									

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 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		53.62	1/26/70	MAR 61-DATE	MAR 61-DATE	1961		0.00	USED

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

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

WATER YEAR	STATION NO.	STATION NAME
1971	A05921	SUTTER BYPASS TO STATE PUMPING PLANT 2

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	27.66	28.52	NR	NR	NR	26.56	33.78	29.20	31.47	28.68	28.67	28.61	1
2	27.62	28.47	NR	NR	33.54	26.53	33.36	29.20	31.33	28.55 E	28.85	28.65	2
3	27.64	28.44	NR	NR	33.12	26.45	32.97	29.22	31.21	28.30 E	28.56	28.66	3
4	27.75	28.53	NR	32.12	32.67	26.40	32.67	29.58	31.02	28.40 E	28.59	28.49	4
5	27.80	28.58	NR	31.93	32.20	26.34	32.42	29.68	30.66	28.60 E	28.73	28.56	5
6	27.72	28.77	NR	31.70	31.63	26.32	32.15	29.84	30.39	28.49	28.70	28.83	6
7	27.70	29.02	NR	31.25	31.08	26.54	31.96	29.90	29.82	28.39	28.56	28.43	7
8	27.76	29.18	NR	30.96	30.55	26.38	31.74	30.06	29.16	28.46	28.68	28.24	8
9	27.91	29.02	NR	30.48	30.20	26.66	31.48	30.19	29.00	28.45	28.78	28.49	9
10	28.09	28.79	NR	29.81	29.66	26.82	31.12	30.03	29.06	28.50	28.75	28.65	10
11	28.32	28.77	NR	29.14	29.09	27.85	30.77	29.78	29.07	28.55	28.65	28.46	11
12	28.46	29.03	NR	28.67	28.64	28.99	30.75	29.47	28.98	28.56	28.57	28.49	12
13	28.51	28.99	NR	28.59	28.26	27.81	30.63	29.29	28.94	28.48	28.79	28.29	13
14	28.39	28.87	NR	28.73	28.01	27.53	29.99	29.50	28.86	28.39	28.89	28.02	14
15	28.29	28.67	NR	28.80	27.89	28.30	29.44	29.71	28.65	28.53	28.91	27.54	15
16	28.28	28.37	NR	29.16	27.82	29.09	29.28	29.78	28.60	28.58	28.70	27.52	16
17	28.39	28.35	NR	31.42	27.75	29.20	29.35	29.72	28.39	28.66	28.49	27.76	17
18	28.54	28.55	NR	NR	27.65	28.86	29.12	29.66	28.32	28.70	28.43	27.66	18
19	28.71	28.72	NR	NR	27.54	28.62	29.11	29.63	28.29	28.68	28.55	27.77	19
20	28.63	28.81	NR	NR	27.39	28.78	29.16	29.59	28.30	28.47	28.51	28.25	20
21	28.31	28.78	NR	NR	27.32	29.27	29.18	29.92	28.43	28.47	28.48	28.61	21
22	28.38	28.76	NR	NR	27.16	28.94	29.07	30.51	28.59	28.65	28.55	28.84	22
23	28.57	28.74	NR	NR	27.00	28.78	29.26	30.09	28.60	28.67	28.49	28.71	23
24	28.47	28.76	NR	NR	26.93	29.00	29.55	29.56	28.49	28.72	28.48	28.50	24
25	28.30	28.58	NR	NR	26.72	28.99	29.72	29.39	28.37	28.63	28.41	28.37	25
26	28.31	28.46	NR	NR	26.71	29.61	29.88	29.37	28.41	28.64	28.59	28.23	26
27	28.50	28.45	NR	NR	26.69	31.54	29.62	29.34	28.64	28.59	28.53	28.26	27
28	28.47	28.87	NR	NR	26.62	35.00	28.96	29.55	28.64	28.55	28.38	28.35	28
29	28.41	29.22	NR	NR		35.61	28.86	30.29	28.60	28.50	28.42	28.26	29
30	28.46	NR	NR	NR		35.06	29.10	31.18	28.60	28.55	28.44	28.20	30
31	28.50		NR	NR		34.28		31.50		28.51	28.46		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

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

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 34	121 43 32	SW26 14N 2E				MAY 67-DATE					

Station located on east side of levee at west end of O'Bannion Road, 9.8 mi. SW of Yuba City.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A02927	SUTTER BYPASS AT RECLAMATION DISTRICT 1500 PUMPING PLANT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	15.57	15.56	30.24	28.27	29.05	16.40	31.97	18.25	23.48	18.76	17.25	20.28	1
2	15.70	15.57	33.63	28.17	28.24	16.18	31.06	18.61	23.55	18.55	17.48	20.36	2
3	15.65	15.70	34.36	27.99	27.61	15.86	30.18	19.20	23.57	18.23	17.61	20.31	3
4	15.62	15.78	34.36	27.70	27.06	15.69	29.34	19.83	23.39	18.05	17.54	20.20	4
5	15.61	15.96	34.89	27.19	26.50	15.60	28.30	20.39	23.03	17.94	17.45	19.88	5
6	15.53	16.53	34.95	26.44	25.95	15.53	27.38	20.71	22.72	17.80	17.47	19.54	6
7	15.57	17.09	35.09	25.64	25.30	15.48	26.69	21.01	22.48	17.59	17.54	19.48	7
8	15.41	18.09	34.92	24.91	24.46	15.44	26.24	21.29	22.10	17.25	17.47	19.49	8
9	15.47	18.38	34.72	24.27	23.61	15.52	25.94	21.63	21.45	16.89	17.49	19.51	9
10	15.50	18.00	34.69	23.68	22.95	15.85	25.55	21.95	20.85	16.70	17.52	19.64	10
11	15.47	19.22	34.79	23.23	22.54	16.26	25.11	22.29	20.51	16.75	17.75	19.70	11
12	15.53	19.84	34.70	23.65	22.30	16.82	24.82	22.48	20.35	16.87	18.10	19.83	12
13	15.57	18.89	34.39	24.66	22.00	18.96	24.61	22.46	20.13	16.94	18.49	19.62	13
14	15.65	18.41	34.02	25.11	21.66	23.00	24.48	22.38	20.03	16.90	18.73	20.02	14
15	15.53	17.83	33.51	25.02	21.30	24.95	24.24	22.43	19.89	16.87	18.89	20.48	15
16	15.49	17.45	33.11	24.98	20.89	24.82	24.21	22.49	19.66	16.86	18.98	20.74	16
17	15.39	17.27	32.86	26.34	20.61	24.57	24.15	22.50	19.46	16.83	19.01	20.69	17
18	15.33	17.55	32.80	28.74	20.27	24.04	23.84	22.42	19.25	16.89	18.98	20.17	18
19	15.36	18.36	32.69	32.49	19.96	23.23	23.26	22.16	19.24	17.03	18.39	19.52	19
20	15.47	18.95	32.44	34.89	19.60	22.48	22.83	21.64	18.71	16.96	18.91	19.17	20
21	15.71	19.13	32.25	35.00	19.08	21.86	22.48	21.30	18.38	16.86	19.05	19.19	21
22	15.83	19.33	32.16	34.80	18.57	21.39	22.06	21.13	18.15	16.78	19.17	19.19	22
23	16.00	19.46	32.14	34.56	18.10	21.13	21.37	20.85	18.11	16.91	19.38	19.23	23
24	16.17	19.47	31.93	34.21	17.72	21.20	20.61	20.35	18.11	16.76	19.47	19.02	24
25	16.10	19.49	31.18	33.84	17.28	22.42	19.95	19.93	18.26	16.47	19.53	18.80	25
26	16.14	19.88	30.17	33.50	16.96	25.01	19.56	19.80	18.15	16.92	19.66	18.56	26
27	15.97	21.16	29.11	33.13	16.76	29.47	19.20	19.88	18.54	16.97	19.74	18.30	27
28	15.89	21.82	28.25	32.71	16.58	32.53	18.96	20.51	19.73	16.83	19.81	18.13	28
29	15.81	23.95	27.69	32.15		33.49	18.65	21.64	19.50	16.78	19.85	17.93	29
30	15.77	27.31	27.68	31.23		33.33	18.25	22.76	19.09	16.88	19.89	17.71	30
31	15.69		28.08	30.12		32.77		23.32		17.02	20.05		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
12-7-70	0645	35.12									

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
1971	A02170	SACRAMENTO RIVER AT FREMONT WEIR, WEST END

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	16.86	16.86	31.59	29.77	30.17	18.38	32.94	19.69	24.42	20.03	18.60	21.39	1
2	16.96	16.83	34.30	29.64	29.32	18.16	32.14	20.09	24.50	19.83	18.84	21.47	2
3	16.91	16.96	34.85	29.54	28.78	17.77	31.31	20.53	24.56	19.53	18.96	21.44	3
4	16.90	17.01	34.86	29.19	28.35	17.59	30.60	21.07	24.29	19.40	18.94	21.29	4
5	16.81	17.19	35.30	28.60	28.01	17.52	29.50	21.61	23.93	19.26	18.80	20.91	5
6	16.78	17.77	35.36	27.77	27.68	17.45	28.42	22.14	23.66	19.09	18.78	20.53	6
7	16.81	18.37	35.45	27.07	27.18	17.35	27.74	22.61	23.43	18.86	18.80	20.45	7
8	16.69	19.48	35.31	26.45	26.42	17.30	27.55	22.93	23.07	18.58	18.71	20.47	8
9	16.71	19.87	35.16	25.92	25.72	17.37	27.41	23.32	22.51	18.27	18.68	20.54	9
10	16.77	19.37	35.14	25.46	25.24	17.53	26.66	23.74	21.99	18.11	18.64	20.66	10
11	16.75	21.17	35.22	24.95	24.92	17.80	26.25	24.10	21.67	18.17	18.82	20.71	11
12	16.78	21.79	35.14	25.44	24.77	18.16	26.15	24.23	21.51	18.28	19.15	20.78	12
13	16.83	20.49	34.91	26.50	24.37	20.02	26.09	24.22	21.32	18.31	19.47	20.71	13
14	16.89	19.90	34.63	26.68	24.01	25.12	25.91	24.21	21.24	18.25	19.69	20.99	14
15	16.78	19.24	34.27	26.35	23.54	26.53	25.77	24.25	21.13	18.19	19.83	21.39	15
16	16.71	18.79	33.99	26.37	23.05	25.93	25.68	24.32	20.90	18.18	19.94	21.67	16
17	16.64	18.65	33.86	28.69	22.74	25.69	25.53	24.30	20.73	18.14	19.96	21.69	17
18	16.55	19.04	33.86	30.86	22.44	24.95	25.01	24.18	20.53	18.19	19.98	21.28	18
19	16.56	20.01	33.78	33.58	22.16	24.08	24.39	23.90	20.50	18.30	19.51	20.70	19
20	16.67	20.71	33.55	35.29	21.69	23.37	23.92	23.44	20.09	18.24	19.94	20.41	20
21	16.91	21.09	33.38	35.37	21.01	22.76	23.64	23.13	19.78	18.11	20.09	20.40	21
22	17.05	21.23	33.37	35.24	20.46	22.29	23.29	22.98	19.54	18.01	20.21	20.38	22
23	17.29	21.34	33.34	35.04	20.04	22.04	22.64	22.66	19.50	18.06	20.41	20.41	23
24	17.47	21.40	33.08	34.78	19.66	22.13	21.97	22.04	19.47	17.91	20.50	20.25	24
25	17.44	21.43	32.28	34.53	19.14	23.68	21.34	21.56	19.62	17.71	20.57	20.08	25
26	17.49	21.99	31.22	34.30	19.00	26.57	20.88	21.39	19.55	18.10	20.66	19.90	26
27	17.33	23.67	30.05	34.05	18.76	31.48	20.47	21.44	19.76	18.20	20.73	19.69	27
28	17.20	24.19	29.11	33.76	18.55	33.64	20.24	21.97	20.93	18.09	20.83	19.55	28
29	17.14	26.80	28.60	33.28		34.22	19.99	22.95	20.81	18.05	20.87	19.40	29
30	17.08	29.70	29.24	32.39		34.04	19.67	23.95	20.34	18.18	20.98	19.25	30
31	17.01		29.81	31.28		33.56		24.36		18.36	21.18		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-7-70	0700	35.48	1-20-71	2030	35.43	3-15-71	0230	26.70	3-29-71	1130	34.27

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
1971	A02160	SACRAMENTO RIVER AT FREMONT WEIR, EAST END

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			NR	NR		NR							1
2			34.10	NR		NR							2
3			34.32	NR		NR							3
4			34.35	NR		NR							4
5			34.75	NR		NR							5
6			34.76	NR		NR							6
7			34.84	NR		NR							7
8			34.71	NR		NR							8
9			34.57	NR		NR							9
10	N	N	34.55	NR	N	NR	N	N	N	N	N	N	10
11	O	O	34.61	NR	O	NR	O	O	O	O	O	O	11
12			34.55	NR		NR							12
13			34.36	NR		NR							13
14			34.06	NR		NR							14
15	R	R	33.74	NR	R	NR	R	R	R	R	R	R	15
16	E	E	NR	NR	E	NR	E	E	E	E	E	E	16
17			NR	NR		NR							17
18	C	C	NR	NR	C	NR	C	C	C	C	C	C	18
19			NR	33.98		NR							19
20	O	O	NR	34.69	O	NR	O	O	O	O	O	O	20
21	R	R	NR	34.77	R	NR	R	R	R	R	R	R	21
22			NR	34.64		NR							22
23	D	D	NR	34.46	D	NR	D	D	D	D	D	D	23
24			NR	34.22		NR							24
25			NR	33.95		NR							25
26			NR	33.68		NR							26
27			NR	33.51		NR							27
28			NR	NR		NR							28
29			NR	NR		33.67							29
30			NR	NR		33.59							30
31			NR	NR		NR							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
12-7-70	0900	34.86	1-21-71	0330	34.83	3-29-71	1500	33.75			

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 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 45 55	121 38 05	SW 27 11N 3E		39.3	3-10-1940		APRIL 1935-DATE	1935		0.00	USED

Station located approximately 200 feet north of weir, 5.2 miles southeast of Knights Landing. Gage heights recorded only during periods when there is spill over weir.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A05191	FEATHER RIVER AT OROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.56	0.57	0.51	0.52	0.55	0.56	0.57	0.56	0.54	0.55	0.54	0.52	1
2	0.56	0.57	0.52	0.52 E	0.55	0.56	0.55	0.56	0.54	0.55	0.54	0.52	2
3	0.56	0.56	0.52	0.52 E	0.55	0.56	0.54	0.57	0.54	0.55	0.54	0.52	3
4	0.55	0.53	0.53	0.52 E	0.55	0.56	0.54	0.57	0.55	0.55	0.54	0.52	4
5	0.55	0.51	0.52	0.52 E	0.55	0.56	0.55	0.57	0.55	0.56	0.54	0.52	5
6	0.56	0.51	0.52	0.52 E	0.55	0.56	0.56	0.55	0.54	0.56	0.53	0.52	6
7	0.56	0.51	0.52	0.52 E	0.55	0.56	0.56	0.55	0.55	0.56	0.51	0.52	7
8	0.57	0.50	0.52	0.52 E	0.55	0.56	0.57	0.55	0.55	0.54	0.51	0.52	8
9	0.57	0.50	0.52	0.52 E	0.55	0.56	0.57	0.56	0.55	0.55	0.51	0.52	9
10	0.56	0.51	0.52	0.52 E	0.55	0.56	0.57	0.56	0.55	0.54	0.51	0.52	10
11	0.56	0.52	0.52	0.54 E	0.55	0.56	0.57	0.56	0.55	0.54	0.53	0.52	11
12	0.56	0.52	0.52	0.55	0.55	0.55	0.58	0.56	0.55	0.54	0.54	0.52	12
13	0.56	0.52	0.51	0.55	0.55	0.55	0.58	0.56	0.55	0.54	0.54	0.52	13
14	0.56	0.52	0.52	0.55	0.54	0.56	0.58	0.56	0.55	0.55	0.54	0.52	14
15	0.56	0.52	0.52	0.55	0.54	0.56	0.56	0.55	0.55	0.54	0.54	0.53	15
16	0.56	0.52	0.52	0.55	0.55	0.57	0.56	0.55	0.55	0.54	0.54	0.52	16
17	0.56	0.52	0.52	0.55	0.56	0.56	0.56	0.56	0.55	0.54	0.54	0.52	17
18	0.56	0.52	0.52	0.56	1.01	0.56	0.56	0.56	0.55	0.53	0.54	0.52	18
19	0.56	0.52	0.51	0.56	0.56	0.55	0.57	0.56	0.55	0.53	0.54	0.52	19
20	0.56	0.52	0.51	0.56	0.56	0.55	0.57	0.56	0.55	0.54	0.54	0.52	20
21	0.57	0.52	0.52	0.55	0.56	0.55	0.57	0.56	0.55	0.53	0.53	0.52	21
22	0.57	0.52	0.52	0.55	0.57	0.56	0.57	0.56	0.55	0.53	0.53	0.52	22
23	0.57	0.52	0.52	0.55	0.57	0.57	0.57	0.56	0.55	0.53	0.53	0.52	23
24	0.57	0.52	0.52	0.55	0.57	0.56	0.56	0.57	0.55	0.53	0.53	0.52	24
25	0.57	0.52	0.52	0.55	0.57	0.57	0.55	0.57	0.55	0.54	0.54	0.52	25
26	0.56	0.52	0.52	0.55	0.56	1.61	0.56	0.56	0.55	0.55	0.53	0.52	26
27	0.57	0.52	0.52	0.55	0.56	3.84	0.57	0.55	0.55	0.54	0.52	0.52	27
28	0.56	0.54	0.52	0.55	0.56	3.86	0.57	0.55	0.55	0.54	0.52	0.52	28
29	0.56	0.54	0.52	0.55		3.86	0.57	0.54	0.55	9.54	0.52	0.52	29
30	0.57	0.52	0.52	0.55		3.32	0.57	0.53	0.55	0.54	0.52	0.51	30
31	0.57		0.51	0.55		1.92		0.53		0.54	0.52		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
3-26-71	1915	4.12									

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

Station located 300 feet above Fish Barrier Dam, 0.6 mile northeast of Oroville. Flow partly regulated by reservoirs and powerplants. Maximum discharge listed at site then in use (approximately 167.5 feet, USCGS Datum). Drainage area is 3,626 square miles.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A05165	FEATHER RIVER NEAR GRIDLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	26.45	26.42	26.33	27.90	26.18	25.71	31.61	27.79	29.04	27.27	26.93	28.19	1
2	26.45	26.52	26.63	28.01	26.08	25.72	31.54	27.77	29.02	27.28	26.95	28.17	2
3	26.42	26.42	27.01	28.04	25.95	25.74	30.59	27.80	29.10	27.29	26.95	28.16	3
4	26.42	26.52	27.48	27.93	25.87	25.73	29.07	27.80	29.11	27.30	26.94	28.16	4
5	26.42	26.71	27.77	27.74	25.85	25.72	28.92	27.79	29.10	27.29	26.95	28.13	5
6	26.43	26.49	27.79	27.62	25.80	25.73	28.96	27.78	29.08	27.33	26.94	28.15	6
7	26.42	26.44	27.90	27.49	25.76	25.72	29.12	27.78	29.00	27.17	26.94	28.16	7
8	26.43	26.42	28.18	27.39	25.76	26.07	29.27	27.77	28.67	26.97	26.93	28.17	8
9	26.42	26.44	28.16	27.25	25.76	26.55	29.28	27.75	28.33	26.92	26.93	28.21	9
10	26.41	26.43	28.30	27.20	25.76	27.18	29.26	28.01	28.18	26.92	27.22	28.20	10
11	26.42	26.44	28.54	27.20	25.76	27.61	29.24	28.03	28.08	26.90	27.67	28.16	11
12	26.42	26.43	28.54	27.93	25.75	28.07	29.36	28.05	27.79	26.93	28.09	28.13	12
13	26.42	26.43	28.53	28.24	25.74	29.40	29.59	28.04	27.76	26.94	28.28	28.22	13
14	26.41	26.43	28.54	28.25	25.73	30.28	29.58	28.04	27.78	26.95	28.27	28.58	14
15	26.42	26.42	28.55	28.83	25.73	30.45	29.59	28.02	27.78	26.96	28.24	28.99	15
16	26.42	26.44	28.56	29.49	25.73	30.47	29.59	28.01	27.76	26.96	28.27	29.06	16
17	26.42	26.43	28.55	29.51	25.74	30.47	29.57	28.03	27.68	26.95	28.28	28.71	17
18	26.41	26.42	28.39	29.54	25.72	30.47	29.56	27.93	27.29	26.95	27.43	28.30	18
19	26.41	26.42	27.95	30.33	25.74	30.46	29.60	27.57	26.91	26.96	28.24	28.13	19
20	26.44	26.43	27.56	30.80	25.72	30.45	29.48	27.29	26.43	26.98	28.26	28.15	20
21	26.43	26.43	27.17	30.79	25.72	30.43	29.12	27.11	26.32	27.00	28.24	28.16	21
22	26.42	26.42	27.42	30.47	25.73	30.32	28.78	27.05	26.66	27.02	28.22	28.08	22
23	26.43	26.39	28.12	29.72	25.73	30.05	28.40	27.03	26.82	27.01	28.21	27.87	23
24	26.42	26.24	27.80	29.18	25.74	30.04	28.12	27.05	26.84	26.99	28.22	27.67	24
25	26.41	26.24	27.72	28.83	25.72	30.46	28.12	27.06	26.84	26.98	28.21	27.45	25
26	26.41	26.22	27.71	28.44	25.72	31.47	28.16	27.13	26.86	27.00	28.20	27.21	26
27	26.41	26.24	27.71	28.05	25.74	33.49	28.16	27.48	26.84	26.99	28.21	27.02	27
28	26.41	26.30	27.73	27.67	25.72	33.55	28.17	28.15	26.84	26.97	28.19	26.84	28
29	26.43	26.33	27.73	27.30		33.57	27.85	28.86	27.12	26.98	28.15	26.62	29
30	26.43	26.30	27.77	26.86		33.36	27.80	29.03	27.28	26.97	28.16	26.37	30
31	26.42		27.92	26.46		32.52		29.05		26.95	28.19		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-15-70	1800	28.61	1-20-71	1000	30.83	3-30-71	0945	33.61	6-3-71	1530	29.13

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 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
1971	A05135	FEATHER RIVER AT YUBA CITY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	41.11	41.17	43.23	44.27	41.91	40.24	48.97	43.33	45.39	43.06	42.19	43.88	1
2	41.03	41.27	44.28	44.37	41.76	40.15	48.31	43.28	45.48	42.87	42.16	43.84	2
3	41.05	41.21	44.09	44.45	41.62	40.14	47.61	43.33	45.49	42.87	42.15	43.81	3
4	41.05	41.23	45.87	44.33	41.46	40.15	45.63	43.36	45.37	42.87	42.14	43.82	4
5	41.06	41.68	46.23	44.03	41.41	40.10	44.92	43.36	45.31	42.76	42.15	43.79	5
6	41.06	41.50	45.03	43.72	41.39	40.08	45.08	43.29	45.28	42.76	42.15	43.79	6
7	41.03	41.74	44.46	43.48	41.37	40.06	45.17	43.27	45.23	42.66	42.15	43.83	7
8	41.05	41.67	44.70	43.38	41.34	40.22	45.63	43.28	44.85	42.36	42.18	43.87	8
9	41.06	41.64	44.92	43.10	41.34	40.88	45.62	43.27	44.47	42.18	42.15	43.89	9
10	41.04	41.59	44.69	43.08	41.34	41.71	45.63	43.49	44.15	42.18	42.30	43.90	10
11	41.03	41.50	44.91	43.38	41.33	42.30	45.61	43.72	44.08	42.18	42.87	43.64	11
12	41.05	41.41	44.87	44.42	41.29	42.94	45.37	43.72	43.91	42.17	43.50	43.60	12
13	41.07	41.42	44.83	44.72	41.27	44.75	45.60	43.71	43.79	42.18	43.87	43.79	13
14	41.04	41.43	44.80	44.90	41.26	46.14	45.42	43.70	43.82	42.19	43.94	44.32	14
15	41.04	41.40	44.81	45.05	41.26	46.48	45.60	43.64	43.81	42.21	43.91	44.80	15
16	41.05	41.39	44.97	46.07	41.26	46.51	45.65	43.61	43.74	42.22	43.93	45.08	16
17	41.04	41.40	45.30	46.50	41.14	46.50	45.65	43.62	43.68	42.22	43.94	44.66	17
18	41.04	41.39	45.07	46.43	40.90	46.43	45.60	43.65	43.67	42.24	43.14	43.99	18
19	41.06	41.39	44.53	46.81	40.88	46.40	45.60	43.08	43.26	42.22	43.68	43.61	19
20	41.17	41.38	43.92	47.78	40.86	46.24	45.67	42.64	42.72	42.23	43.89	43.56	20
21	41.14	41.16	43.79	47.90	40.84	46.20	45.30	42.40	42.45	42.25	43.89	43.60	21
22	41.16	41.39	43.86	47.62	40.76	46.17	44.87	42.15	42.55	42.38	43.89	43.58	22
23	41.20	41.39	44.57	47.27	40.60	45.93	44.42	42.08	42.55	42.27	43.90	43.33	23
24	41.19	41.22	44.27	45.99	40.50	46.15	43.98	42.04	42.80	41.99	43.90	43.07	24
25	41.20	41.23	43.86	45.45	40.42	46.60	43.90	42.04	42.72	42.09	43.88	42.82	25
26	41.20	41.31	43.79	44.97	40.32	50.84	43.85	42.10	42.60	42.26	43.89	42.54	26
27	41.21	41.29	43.85	44.47	40.33	52.46	43.82	42.58	44.09	42.27	43.90	42.23	27
28	41.20	41.61	43.96	43.96	40.29	51.84	43.82	43.41	43.39	42.23	43.86	41.99	28
29	41.19	42.75	44.26	43.46		51.61	43.60	44.79	43.18	42.23	43.85	41.73	29
30	41.18	43.38	44.37	42.91		51.39	43.38	45.25	43.13	42.19	43.80	41.34	30
31	41.19		44.27	42.34		50.49		45.36		42.18	43.87		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
12-4-70	2330	46.81	1-21-71	1345	47.93	3-26-71	2015	53.04	6-3-71	0730	45.59

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 ö 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.

ö - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A06150	YUBA RIVER NEAR MARYSVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	62.15	62.37	64.04	63.91	NR	61.77	62.26	61.64	63.17	63.25	62.33	62.41	1
2	61.95	62.38	64.92	64.04	64.05	61.42	61.64	61.41	63.45	62.94	62.31	62.48	2
3	62.16	62.37	63.90	63.96	64.05	61.38	61.12	61.43	NR	62.92	62.31	62.48	3
4	62.17	62.41	65.82	63.89	64.00	61.36	61.03	61.48	NR	62.82	62.32	62.49	4
5	62.17	62.45	64.51	63.87	63.87	61.32	61.20	61.50	NR	62.53	62.32	62.45	5
6	62.17	62.67	64.16	63.84	63.91	61.31	62.16	61.51	NR	62.50	62.20	62.47	6
7	62.15	63.17	64.02	63.82	63.98	61.29	62.36	61.48	NR	62.46	62.18	62.54	7
8	62.16	63.21	63.99	63.78	63.95	61.24	62.90	61.51	NR	62.41	62.31	62.58	8
9	62.16	63.19	63.96	63.78	63.96	60.97	62.88	61.56	63.03	62.41	62.18	62.59	9
10	62.16	63.09	63.91	63.78	63.95	60.36	62.97	61.77	63.04	62.42	62.24	62.50	10
11	62.15	62.95	63.87	64.59	63.94	60.40	62.88	62.01	63.12	62.43	62.32	61.78	11
12	62.18	62.77	63.84	64.65	63.89	61.04	62.17	62.02	63.51	62.42	62.31	61.73	12
13	62.17	62.95	63.83	64.22	63.89	62.74	61.48	62.03	63.52	62.42	62.32	62.56	13
14	62.16	62.96	63.81	NR	63.89	62.57	60.62	62.01	63.54	62.42	62.33	62.96	14
15	62.17	62.95	63.81	NR	63.91	62.07	61.80	61.95	63.56	62.42	62.34	62.98	15
16	62.13	62.94	64.03	NR	63.90	61.95	61.82	61.94	63.56	62.43	62.32	62.82	16
17	62.10	62.94	64.19	NR	63.60	61.79	61.88	61.94	63.45	62.42	62.32	62.39	17
18	62.09	62.95	63.97	NR	63.22	61.59	61.85	61.94	64.17	62.43	62.33	61.78	18
19	62.09	62.95	63.92	NR	63.22	61.39	61.87	61.76	64.15	62.43	62.34	61.77	19
20	62.15	62.75	63.87	NR	63.21	60.65	62.10	61.54	64.23	62.43	62.35	61.77	20
21	62.15	62.45	64.13	NR	63.17	60.58	62.17	61.32	64.43	62.44	62.34	61.79	21
22	62.20	62.89	64.04	NR	63.02	60.54	62.06	61.07	64.11	62.71	62.35	61.80	22
23	62.28	62.88	63.91	NR	62.55	60.96	62.02	61.05	63.68	62.41	62.37	61.78	23
24	62.30	62.87	63.86	NR	62.31	62.03	62.00	61.05	63.98	61.09	62.39	61.76	24
25	62.33	63.06	63.82	NR	62.13	62.61	61.97	61.05	63.78	62.03	62.35	61.76	25
26	62.39	63.18	63.81	NR	61.88	67.87	61.90	61.26	63.45	62.34	62.41	61.76	26
27	62.40	63.09	63.85	NR	61.85	66.17	61.87	61.64	65.59	62.36	62.41	61.77	27
28	62.41	63.29	63.87	NR	61.86	64.52	61.83	62.19	64.69	62.35	62.42	61.76	28
29	62.33	63.91	64.18	NR		64.08	61.82	62.97	64.17	62.32	62.42	61.59	29
30	62.40	63.50	64.08	NR		63.58	61.82	63.01	63.45	62.28	62.41	61.32	30
31	62.41		63.89	NR		62.89		63.02		62.32	62.45		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-2-70	0500	66.43	1-11-71	2100	65.10	3-26-71	1545	69.89			
12-4-70	1030	66.90	3-12-71	2330	63.76	6-27-71	0930	66.60			

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		
39 10 35	121 31 25		180,000	90.15	12-22-1964	JUL 39-DEC 44 δ APR 45-DATE	MAY 1940-DATE	1939 1939		0.00 -2.95	USED USCGS

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

δ - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A05120	FEATHER RIVER BELOW SHANGHAI BEND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	36.00	36.10	38.51	39.75	37.21	34.63	44.59	37.93	40.51	38.07	36.83	38.67	1
2	35.93	36.14	39.82	39.86	37.02	34.41	43.66	37.80	40.72	37.77	36.79	38.66	2
3	35.93	36.19	39.71	39.96	36.86	34.39	42.82	37.83	40.70	37.74	36.78	38.63	3
4	35.96	36.15	41.59	39.82	36.68	34.38	40.54	37.89	40.51	37.74	36.76	38.63	4
5	35.96	36.54	42.30	39.51	36.61	34.35	39.57	37.91	40.46	37.52	36.77	38.59	5
6	35.98	36.47	40.89	39.11	36.59	34.32	39.98	37.84	40.42	37.49	36.76	38.57	6
7	35.97	36.80	40.17	38.84	36.56	34.30	40.13	37.79	40.37	37.40	36.77	38.66	7
8	35.96	36.79	40.32	38.72	36.53	34.39	40.80	37.81	39.97	37.06	36.79	38.70	8
9	35.97	36.75	40.54	38.41	36.51	34.94	40.82	37.83	39.54	36.84	36.77	38.74	9
10	35.98	36.71	40.29	38.36	36.48	35.68	40.84	38.04	39.17	36.85	36.88	38.73	10
11	35.94	36.54	40.49	38.78	36.46	36.39	40.86	38.42	39.10	36.85	37.47	38.27	11
12	35.94	36.46	40.47	40.02	36.40	37.19	40.37	38.42	39.02	36.82	38.13	38.17	12
13	35.97	36.38	40.39	40.20	36.39	39.73	40.49	38.42	38.88	36.84	38.55	38.54	13
14	35.97	36.46	40.33	40.51	36.37	41.33	40.11	38.41	38.92	36.85	38.66	39.28	14
15	35.95	36.43	40.31	40.62	36.37	41.67	40.49	38.32	38.93	36.87	38.64	39.80	15
16	35.95	36.40	40.49	41.68	36.37	41.69	40.60	38.29	38.85	36.89	38.64	40.13	16
17	35.94	36.41	40.90	42.20	36.19	41.68	40.63	38.31	38.78	36.87	38.66	39.60	17
18	35.92	36.40	40.66	42.13	35.79	41.57	40.57	38.34	38.89	36.90	37.96	38.70	18
19	35.92	36.40	40.10	42.45	35.75	41.52	40.53	37.74	38.57	36.89	38.24	38.21	19
20	36.01	36.40	39.42	43.54	35.73	41.21	40.70	37.16	37.93	36.89	38.62	38.13	20
21	36.03	35.98	39.27	43.72	35.70	41.14	40.34	36.84	37.70	36.91	38.62	38.19	21
22	36.05	36.35	39.36	43.44	35.58	41.08	39.82	36.47	37.72	37.12	38.63	38.18	22
23	36.09	36.37	40.02	43.31	35.27	40.85	39.30	36.37	37.62	36.93	38.66	37.91	23
24	36.13	36.25	39.78	41.86	35.06	41.26	38.80	36.32	37.93	36.38	38.67	37.60	24
25	36.12	36.19	39.28	41.23	34.94	41.75	38.65	36.30	37.82	36.50	38.66	37.33	25
26	36.13	36.33	39.18	40.67	34.71	46.52	38.57	36.38	37.60	36.89	38.66	37.01	26
27	36.15	36.30	39.22	40.11	34.72	48.53	38.52	36.96	39.56	36.90	38.66	36.68	27
28	36.14	36.54	39.34	39.55	34.69	47.79	38.50	37.96	38.83	36.87	38.63	36.41	28
29	36.14	37.74	39.71	38.97		47.53	38.29	39.70	38.45	36.86	38.62	36.13	29
30	36.06	38.57	39.89	38.34		47.25	38.01	40.32	38.20	36.81	38.56	35.66	30
31	36.12		39.74	37.71		46.31		40.46		36.81	38.64		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-5-70	0145	40.08	1-23-71	0245	43.93	3-26-71	2245	48.95	6-3-71	0815	40.82

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

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

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

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

WATER YEAR	STATION NO.	STATION NAME
1971	A06550	BEAR RIVER NEAR WHEATLAND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	4.53	NR	5.25	7.52	7.16	5.45	NR	6.00	6.14	4.43	4.31	4.86	1
2	4.58	NR	5.35	7.26	7.17	5.32	NR	5.92	6.16	4.61	4.24	4.20	2
3	4.59	NR	7.39	6.90	7.12	5.28	NR	5.98	5.99	4.35	4.27	4.27	3
4	4.60	NR	13.63	6.58	7.10	5.34	NR	6.27	5.93	4.36	4.26	4.24	4
5	4.58	4.84	11.79	6.32	7.00	5.45	NR	6.37	6.03	4.64	4.24	4.28	5
6	4.56	4.89	9.52	6.16	6.94	5.65	NR	6.21	5.96	4.50	4.25	4.32	6
7	4.56	4.87	8.49	6.08	6.93	5.82	NR	6.10	5.87	4.67	4.32	4.28	7
8	4.52	4.86	8.01	6.02	6.93	5.70	NR	6.36	5.73	4.78	4.31	4.20	8
9	4.54	4.85	7.73	5.94	6.91	6.25	NR	6.57	5.34	4.56	4.23	4.19	9
10	4.54	4.85	7.69	5.90	6.84	6.70	NR	6.27	5.25	4.28	4.17	4.14	10
11	4.54	4.84	7.60	6.55	6.77	6.83	NR	6.29	5.21	4.57	4.14	4.12	11
12	4.56	4.83	7.40	7.76	6.75	7.17	NR	6.07	5.15	4.28	4.13	4.13	12
13	4.57	4.83	7.28	8.14	6.93	NR	NR	5.89	5.31	4.22	4.13	4.18	13
14	4.57	4.83	7.16	8.18	6.87	NR	NR	5.75	5.44	4.25	4.14	4.20	14
15	4.60	4.83	7.17	7.99	6.93	NR	NR	5.85	5.20	4.25	4.14	4.44	15
16	4.59	4.83	7.67	7.77	6.94	NR	NR	5.82	5.25	4.22	4.16	4.73	16
17	4.58	4.83	8.52	7.74	6.98	NR	NR	5.95	5.06	4.22	4.17	4.43	17
18	4.58	4.84	8.28	8.05	6.94	NR	NR	5.99	5.11	4.23	4.17	4.64	18
19	4.59	4.84	7.93	8.44	6.95	NR	6.88	5.93	4.70	4.23	4.18	4.60	19
20	4.59	4.84	7.57	8.29	6.86	NR	6.82	5.87	4.88	4.23	4.15	4.57	20
21	4.55	4.84	7.89	8.03	6.58	NR	6.89	5.78	4.78	4.26	4.19	4.56	21
22	4.57	4.84	8.10	7.84	6.39	NR	6.81	5.83	4.64	4.25	4.25	4.57	22
23	4.57	4.84	7.78	7.68	6.43	NR	6.70	5.86	4.51	4.26	4.28	4.58	23
24	4.57	4.86	7.53	7.63	6.38	NR	6.58	5.84	4.88	4.26	4.23	4.57	24
25	4.54	4.88	7.14	7.63	6.30	NR	6.53	5.72	4.73	4.31	4.22	4.56	25
26	4.53	4.87	6.68	7.44	6.13	NR	6.86	5.61	4.63	4.30	4.18	4.58	26
27	4.90	4.88	6.47	7.26	5.83	NR	6.59	5.83	5.17	4.30	4.17	4.60	27
28	NR	5.02	6.57	7.35	5.63	NR	5.43	5.90	5.00	4.29	4.17	4.64	28
29	NR	5.47	7.65	7.34		NR	5.75	5.86	4.32	4.30	4.18	4.66	29
30	NR	5.10	8.59	7.26		NR	5.96	5.86	4.34	4.31	4.12	4.67	30
31	NR		8.05	7.22		NR		5.98		4.46	4.13		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
12-4-70	1330	15.35									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 00 00	121 24 20	SW 3 13N 5E	33,000	19.30	12-22-1955	OCT 1928-DATE	OCT 1928-DATE	1928	1943	81.50	USCGS
								1943	1964	78.92	USCGS
								1964	1970	76.92	USCGS
								1970		71.92	

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.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A05103	FEATHER RIVER AT NICOLAUS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	23.92	24.15	30.70	30.09	29.30	23.16	35.10	25.88	28.72	26.24	25.13	26.85	1
2	23.98	24.15	34.08	30.00	28.37	22.99	33.80	25.76	28.94	25.96	25.14	26.89	2
3	23.87	24.23	35.07	29.98	27.81	22.92	32.93	25.75	28.98	25.87	25.11	26.89	3
4	23.95	24.24	35.80	29.67	27.37	22.95	31.24	25.83	28.75	25.92	25.11	26.89	4
5	23.95	24.47	37.42	29.21	27.04	22.95	29.64	25.94	28.69	25.75	25.10	26.88	5
6	23.95	24.56	36.15	28.50	26.76	22.94	29.22	25.94	28.62	25.66	25.11	26.82	6
7	23.96	24.81	35.72	28.02	26.47	22.96	29.03	25.88	28.56	25.63	25.12	26.84	7
8	23.95	24.86	35.50	27.66	26.09	22.98	29.37	25.88	28.25	25.38	25.12	26.88	8
9	23.96	24.80	35.33	27.28	25.77	23.41	29.44	26.01	27.76	25.12	25.14	26.96	9
10	23.97	24.78	35.21	27.02	25.54	24.08	29.36	26.05	27.31	25.09	25.14	27.01	10
11	23.96	24.61	35.31	27.11	25.38	24.81	29.41	26.51	27.17	25.09	25.26	26.71	11
12	23.96	24.61	35.24	28.79	25.28	25.55	28.93	26.64	27.13	25.10	25.56	26.52	12
13	23.98	24.41	34.97	29.29	25.23	28.24	28.91	26.61	26.96	25.09	25.95	26.61	13
14	23.99	24.50	34.62	29.70	25.14	30.15	28.55	26.60	26.97	25.09	26.26	27.39	14
15	23.98	24.47	34.21	29.64	25.09	30.57	28.72	26.55	27.01	25.10	26.47	27.91	15
16	23.98	24.44	33.92	30.23	25.07	30.52	28.98	26.51	26.99	25.11	26.61	28.40	16
17	23.98	24.46	33.99	31.00	24.96	30.43	28.99	26.55	26.88	25.12	26.69	28.11	17
18	23.97	24.46	33.93	31.83	24.57	30.23	28.94	26.59	26.85	25.11	26.66	27.29	18
19	23.97	24.45	33.65	33.78	24.44	30.11	28.80	26.24	26.88	25.14	25.97	26.70	19
20	23.98	24.46	33.23	36.14	24.41	29.81	28.85	25.67	26.10	25.13	26.80	26.55	20
21	24.05	24.10	32.96	36.43	24.28	29.64	28.64	25.33	25.92	25.14	26.82	26.57	21
22	24.06	24.43	33.04	36.25	24.18	29.56	28.10	25.01	25.80	25.29	26.81	26.61	22
23	24.09	24.47	33.10	35.97	23.90	29.43	27.52	24.85	25.80	25.24	26.82	26.46	23
24	24.13	24.38	32.89	35.28	23.67	29.75	26.94	24.75	25.89	24.96	26.83	26.17	24
25	24.14	24.26	32.06	34.80	23.45	30.25	26.62	24.68	25.96	24.48	26.84	25.96	25
26	24.17	24.34	31.08	34.35	23.33	34.37	26.58	24.66	25.80	25.18	26.84	25.71	26
27	24.18	24.47	30.14	33.88	23.24	38.67	26.55	25.01	26.91	25.17	26.85	25.46	27
28	24.19	24.70	29.57	33.40	23.21	38.06	26.36	25.80	27.32	25.17	26.88	25.21	28
29	24.19	26.50	29.49	32.79		37.69	26.18	27.36	26.60	25.15	26.86	24.95	29
30	24.13	29.18	30.25	31.81		37.33	25.91	28.35	26.37	25.15	26.82	24.73	30
31	24.17		30.22	30.55		36.59		28.64		25.11	26.81		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-5-70	0700	37.78	1-21-71	0300	36.45	3-15-71	1330	30.60	3-27-71	1030	38.87

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 54 00	121 35 00	SE 12 12N 3E	357,000	51.60	12-23-1955	JUN 21-OCT 28 ⁸⁄₀ JAN 39-DATE	1920-DATE	1920 1920		0.00 -3.30	USED USCGS

Station located at State Highway 99 bridge, 2.9 miles below Bear River, 0.5 mile southwest of Nicolaus. Backwater at times affects the stage-discharge relationship. Flow partly regulated by reservoirs and powerplants. Maximum discharge of record is for period 1943 to date. Records furnished by U. S. Geological Survey. Drainage area is approximately 5,921 square miles (revised).

⁸⁄₀ - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A02150	SACRAMENTO RIVER AT VERONA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	14.67	14.68	28.62	27.06	27.22	15.64	31.14	17.54	22.45	18.07	16.44	19.41	1
2	14.84	14.65	32.23	27.09	26.15	15.42	30.16	17.83	22.55	17.84	16.67	19.51	2
3	14.78	14.79	33.10	26.73	25.47	15.11	29.23	18.30	22.60	17.54	16.77	19.46	3
4	14.78	14.81	33.11	26.39	24.80	14.95	28.20	18.83	22.37	17.41	16.76	19.35	4
5	14.72	15.09	33.95	25.82	NR	14.88	26.86	19.32	22.04	17.28	16.66	19.05	5
6	14.67	15.55	33.72	25.10	NR	14.83	25.87	19.69	21.77	17.12	16.66	18.73	6
7	14.65	16.23	33.70	24.27	NR	14.76	25.30	20.02	21.55	16.93	16.71	18.65	7
8	14.52	17.21	33.55	23.67	NR	14.74	25.09	20.29	21.20	16.60	16.66	18.67	8
9	14.53	17.37	33.42	23.15	22.22	14.86	24.92	20.64	20.61	16.26	16.64	18.71	9
10	14.56	17.20	33.42	22.55	21.90	15.22	24.47	20.94	20.03	16.07	16.61	18.82	10
11	14.54	17.94	33.50	22.35	21.57	15.67	24.11	21.37	19.70	16.10	16.85	18.83	11
12	14.57	18.84	33.49	22.90	21.39	16.20	23.88	21.55	19.54	16.20	17.29	18.85	12
13	14.60	17.89	33.29	24.05	21.09	18.24	23.74	21.54	19.32	16.22	17.70	18.79	13
14	14.66	17.35	32.80	24.32	20.77	22.44	23.55	21.50	19.24	16.19	17.95	19.16	14
15	14.57	16.90	32.27	24.18	20.42	24.26	23.40	21.51	19.15	16.16	18.09	19.64	15
16	14.51	16.51	31.95	24.21	20.03	24.01	23.42	21.55	18.96	16.16	18.18	19.97	16
17	14.43	16.28	31.78	25.73	19.75	23.75	23.33	21.55	18.76	16.13	18.20	19.97	17
18	14.35	16.60	31.70	27.86	19.40	23.18	22.96	21.48	18.58	16.16	18.20	19.47	18
19	14.36	17.39	31.58	31.20	19.10	22.42	22.41	21.20	18.59	16.30	17.58	18.80	19
20	14.46	18.00	31.30	33.73	18.74	21.74	22.00	20.63	18.07	16.24	18.11	18.46	20
21	14.70	18.20	31.10	33.92	18.21	21.17	21.69	20.24	17.74	16.15	18.26	18.45	21
22	14.82	18.34	31.09	33.74	17.72	20.75	21.26	20.01	17.49	16.07	18.35	18.45	22
23	15.02	18.49	31.02	33.50	17.28	20.50	20.60	19.72	17.45	16.15	18.52	18.47	23
24	15.19	18.50	30.70	33.11	16.94	20.58	19.88	19.24	17.44	15.96	18.60	18.27	24
25	15.16	18.51	29.88	32.72	16.48	21.77	19.23	18.82	17.60	15.61	18.67	18.05	25
26	15.20	18.90	28.80	32.36	16.18	24.74	18.84	18.67	17.51	16.09	18.78	17.83	26
27	15.05	20.11	27.61	31.93	15.98	29.41	18.48	18.79	17.82	16.20	18.84	17.56	27
28	14.95	20.80	26.60	31.49	15.81	31.75	18.24	19.43	19.06	16.08	18.93	17.36	28
29	14.88	23.30	26.17	30.90		32.62	17.96	20.64	18.80	16.01	18.97	17.19	29
30	14.82	26.51	26.56	29.90		32.49	17.58	21.83	18.39	16.10	19.04	16.97	30
31	14.69		26.94	28.58		31.97		22.33		16.24	19.20		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
12-5-70		33.95	1-2-71		27.09	1-21-71	0400	33.96	3-29-71	1800	32.70

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 46 50	121 36 10	SE 23 11N 3E	79,200	41.20	3-1-1940	MAY 26-OCT 28 ü 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.

ü - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A02100	SACRAMENTO RIVER AT SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	4.91	4.59	16.08	15.58	15.43	5.43	18.46	7.02	10.20	7.59	5.81	8.46	1
2	5.11	4.62	19.36	15.55	14.29	5.11	17.61	7.05	10.27	7.50	5.97	8.54	2
3	5.27	4.77	20.93	15.40	13.49	4.89	16.75	7.40	10.41	7.33	6.14	8.46	3
4	5.22	5.02	21.14	14.79	13.00	4.96	15.88	7.75	10.29	7.29	6.17	8.44	4
5	5.09	5.05	21.81	13.70	12.47	4.77	14.82	8.09	10.02	7.28	6.23	8.39	5
6	4.95	5.24	21.59	12.86	12.05	4.59	13.87	8.56	9.85	7.28	6.46	8.22	6
7	4.40	5.41	21.47	12.27	11.69	4.62	13.27	8.92	9.74	7.23	6.54	7.97	7
8	4.22	5.88	21.34	11.80	11.18	4.68	12.92	9.11	9.60	7.03	6.49	7.96	8
9	4.27	6.15	21.17	11.40	10.61	4.71	12.87	9.28	9.27	6.78	6.50	8.04	9
10	4.51	6.08	20.94	11.05	10.13	4.79	12.57	9.58	8.83	6.51	6.47	8.12	10
11	4.58	6.61	21.06	10.81	9.83	4.98	12.18	9.95	8.50	6.38	6.65	8.14	11
12	4.74	7.44	21.14	11.04	9.69	5.74	11.99	10.15	8.36	6.36	6.97	8.09	12
13	4.76	6.88	20.95	11.95	9.54	6.72	11.86	10.06	8.18	6.31	7.23	7.98	13
14	4.84	6.49	20.62	12.28	9.32	9.10	11.79	9.99	7.96	6.30	7.42	8.06	14
15	4.76	6.30	20.23	12.21	9.17	11.00	11.64	10.03	7.82	6.46	7.56	8.28	15
16	4.68	6.10	19.92	12.98	8.84	10.96	11.52	9.90	7.71	6.52	7.64	8.42	16
17	4.64	5.98	19.71	13.87	8.74	10.70	11.33	9.74	7.69	6.61	7.65	8.75	17
18	4.52	6.02	19.61	15.59	8.40	10.37	11.02	9.74	7.75	6.56	7.64	8.62	18
19	4.50	6.42	19.45	18.01	8.03	9.87	10.58	9.61	7.97	6.69	7.40	8.08	19
20	4.58	6.82	19.22	20.80	7.60	9.46	10.35	9.21	7.91	6.75	7.54	7.75	20
21	4.54	7.12	19.10	21.34	7.36	9.07	10.09	8.93	7.67	6.72	7.54	7.84	21
22	4.55	7.21	18.99	21.30	7.17	8.77	9.79	8.69	7.58	6.60	7.41	7.80	22
23	4.58	7.30	18.88	21.09	6.83	8.65	9.40	8.62	7.56	6.60	7.15	7.80	23
24	4.68	7.41	18.76	20.80	6.53	8.60	8.89	8.38	7.49	6.48	7.23	7.80	24
25	4.67	7.70	18.22	20.48	6.16	9.27	8.40	8.17	7.57	6.27	7.75	7.59	25
26	4.58	8.06	17.31	20.00	5.62	11.21	8.20	8.02	7.42	6.33	8.03	7.31	26
27	4.42	8.79	16.29	19.45	5.64	14.67	7.96	8.00	7.32	6.37	8.07	6.91	27
28	4.35	9.88	15.42	18.97	5.68	17.13	7.86	8.15	8.17	6.16	8.11	6.58	28
29	4.48	11.84	15.00	18.50		18.43	7.58	8.81	8.07	5.94	8.14	6.39	29
30	4.65	14.36	15.15	17.72		18.73	7.06	9.77	7.79	5.79	8.22	6.34	30
31	4.64		15.52	16.63		18.85		10.17		5.77	8.31		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
12-5-70	1245	21.90	1-21-71	1245	21.40	3-31-71	1445	18.99			

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

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

ö - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A07175	AMERICAN RIVER AT FAIR OAKS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	7.78	6.43	8.93	9.69	8.66	6.89	8.47	7.98	7.74	8.29	6.54	7.99	1
2	7.78	6.44	9.14	9.71	8.29	6.86	8.48	8.00	7.75	8.28	6.26	7.99	2
3	7.77	6.44	9.61	9.67	8.29	6.70	8.51	8.01	7.74	8.28	6.26	8.01	3
4	7.47	6.44	9.61	8.74	8.21	6.70	8.48	8.03	7.74	8.29	6.34	8.01	4
5	7.15	6.44	9.61	7.98	7.78	6.71	8.48	8.00	7.78	8.29	7.09	8.01	5
6	6.73	6.44	9.62	7.98	7.72	6.71	8.49	7.98	7.73	8.31	7.69	8.01	6
7	6.21	6.44	9.58	8.01	7.72	6.70	8.46	8.00	7.73	8.26	7.72	8.01	7
8	6.04	6.45	9.54	8.01	7.71	6.68	8.51	8.01	7.74	8.27	7.76	8.01	8
9	6.09	6.44	9.56	8.02	7.72	6.42	8.51	7.99	7.73	8.27	7.99	8.01	9
10	6.23	6.46	9.27	8.01	7.72	6.17	8.52	7.98	7.72	8.28	8.00	7.99	10
11	6.23	6.70	9.61	8.02	7.72	6.16	8.52	8.00	7.71	8.26	7.98	8.01	11
12	6.24	6.71	9.63	8.03	7.73	6.18	8.51	7.95	7.71	8.25	7.98	8.00	12
13	6.24	6.70	9.61	8.02	7.74	6.22	8.48	7.97	7.69	8.27	7.98	7.73	13
14	6.24	6.74	9.60	8.02	7.74	6.20	8.48	8.02	7.71	8.27	7.98	7.42	14
15	6.24	7.04	9.54	8.70	7.74	6.16	8.48	8.02	7.73	8.32	7.98	7.08	15
16	6.25	7.12	9.60	9.73	7.74	6.15	8.04	7.98	7.74	8.31	7.99	6.61	16
17	6.24	7.39	9.53	9.73	7.72	6.16	8.00	7.96	7.74	8.31	8.02	7.66	17
18	6.25	7.42	9.48	9.72	7.43	6.17	7.97	8.02	7.77	8.32	8.03	7.71	18
19	6.25	7.41	9.45	9 72	7.42	6.22	7.98	8.02	8.33	8.31	8.03	7.72	19
20	6.25	7.43	9.47	9.55	7.42	6.23	8.03	8.03	8.48	8.32	7.98	7.73	20
21	6.25	7.43	9.44	9.45	7.41	6.22	8.04	7.98	8.49	8.23	7.67	7.73	21
22	6.25	7.43	9.42	9.47	7.41	6.14	8.05	7.75	8.51	8.25	7.33	7.70	22
23	6.27	7.42	9.43	9.47	7.11	6.14	8.03	7.77	8.52	8.26	6.04	7.71	23
24	6.47	7.43	9.50	9.48	7.06	6.14	8.04	7.77	8.52	8.26	7.39	7.72	24
25	6.45	7.43	9.50	9.47	7.07	6.14	8.02	7.77	8.49	8.28	7.94	7.70	25
26	6.46	7.43	9.51	9.04	7.07	6.19	7.98	7.77	8.28	8.28	8.00	7.43	26
27	6.49	7.42	9.53	8.71	7.07	6.22	8.03	7.77	8.28	8.26	8.01	7.05	27
28	6.51	7.43	9.61	8.65	7.03	6.21	8.00	7.73	8.29	7.97	8.00	6.36	28
29	6.51	7.48	9.69	8.65		6.14	8.03	7.74	8.29	7.70	8.00	6.23	29
30	6.48	8.19	9.69	8.65		6.38	7.98	7.74	8.29	7.35	8.02	6.21	30
31	6.43		9.69	8.66		8.36		7.74		6.99	8.00		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
1-15	2200	9.73									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 38 08	121 13 36	NE 17 9N 7E	180,000	31.85	11-21-1950	NOV 1904-DATE	NOV 1904-DATE	1904	1930	65.79	USCGS
								1930	1957	64.79	USCGS
								1957	1970	77.53	USCGS
								1970		71.53	USCGS

Station located 2,100 feet below Nimbus Dam, 2.4 miles east of Fair Oaks. Flow regulated by Folsom Lake. Maximum discharge listed at site and datum then in use. Records furnished by U. S. Geological Survey. Drainage area is 1,888 square miles.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A07140	AMERICAN RIVER AT SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	18.73	NR	20.95	21.61	20.50	18.12	22.40	19.03	18.78	19.27	17.86	19.00	1
2	18.73	NR	23.43	21.64	19.77	18.10	21.75	19.07	18.78	19.27	17.61	19.01	2
3	17.74	NR	24.97	21.57	19.51	17.99	21.14	19.06	18.77	19.27	17.60	19.02	3
4	18.55	NR	NR	20.61	19.40	17.97	20.57	19.07	18.77	19.28	17.60	19.02	4
5	18.30	NR	NR	19.28	18.96	17.97	20.05	19.05	18.79	19.28	18.10	19.02	5
6	18.01	NR	NR	19.11	18.83	17.96	19.77	19.04	18.77	19.30	18.67	19.02	6
7	17.67	17.79	NR	19.09	18.81	17.96	19.64	19.05	18.75	19.25	18.74	19.03	7
8	17.50	17.77	NR	19.07	18.81	17.96	19.63	19.08	18.76	19.26	18.77	19.02	8
9	17.42	17.77	NR	19.07	18.81	17.81	19.63	19.05	18.76	19.26	18.97	19.01	9
10	17.59	17.76	NR	19.06	18.81	17.62	19.61	19.03	18.75	19.27	19.00	18.99	10
11	17.59	17.91	NR	19.08	18.82	17.57	19.59	19.03	18.74	19.25	18.98	19.01	11
12	NR	17.95	25.17	19.09	18.82	17.67	19.57	18.99	18.74	19.24	18.98	19.03	12
13	NR	17.95	25.00	19.10	18.82	17.62	19.56	18.99	18.74	19.23	18.98	18.79	13
14	NR	17.95	24.72	19.09	18.82	17.61	19.57	19.03	18.74	19.24	18.99	18.54	14
15	NR	18.15	24.36	19.48	18.82	17.57	19.55	19.05	18.76	19.29	18.99	18.26	15
16	NR	18.22	24.16	21.07	18.82	17.56	19.16	19.05	18.77	19.29	18.99	17.87	16
17	NR	18.44	23.95	21.20	18.82	17.57	19.06	18.99	18.76	19.30	19.01	18.57	17
18	NR	18.49	23.84	21.63	18.61	17.56	19.02	19.03	18.77	19.30	19.03	18.71	18
19	NR	18.49	23.69	22.85	18.55	17.58	19.00	19.04	19.26	19.29	19.03	18.72	19
20	NR	18.51	23.50	24.85	18.54	17.62	19.06	19.04	19.49	19.29	19.03	18.72	20
21	NR	18.53	23.43	25.26	18.54	17.61	19.07	19.02	19.50	19.25	18.75	18.73	21
22	NR	18.52	23.30	25.23	18.54	17.55	19.08	18.80	19.52	19.23	18.47	18.69	22
23	NR	18.51	23.23	25.05	18.34	17.60	19.05	18.80	19.53	19.26	17.59	18.69	23
24	NR	18.52	23.18	24.82	18.25	17.56	19.06	18.79	19.52	19.26	18.27	18.72	24
25	NR	18.57	22.82	24.56	18.25	17.62	19.05	18.80	19.52	19.30	18.88	18.73	25
26	NR	18.56	22.27	23.99	18.25	17.66	19.01	18.80	19.31	19.29	19.00	18.53	26
27	NR	18.52	21.73	23.36	18.25	18.55	19.04	18.82	19.27	19.28	19.01	18.25	27
28	NR	18.76	21.43	22.91	18.25	20.67	19.03	18.79	19.28	19.01	19.01	17.80	28
29	NR	18.98	21.44	22.53		21.90	19.07	18.80	19.27	18.77	19.02	17.61	29
30	NR	19.55	21.46	21.92		22.17	19.03	18.79	19.27	18.46	19.03	17.58	30
31	NR		21.58	21.17		22.65		18.78		18.18	19.00		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-21-71	1300	25.30	3-31-71	1245	22.88						

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		
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 ö	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.

ö - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A81820	SCOTTS CREEK AT UPPER LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3.25	4.12	8.55	8.13	7.92	NR	NR	8.87	8.24	7.07	5.67	2.77	1
2	3.25	4.20	9.99	8.00	7.87	NR	NR	8.87	8.21	7.02	5.63	2.71	2
3	3.21	4.31	12.10	7.81	7.86	NR	NR	8.86	8.19	7.00	5.56	2.70	3
4	3.16	4.68	15.89	7.65	7.86	NR	NR	8.85	8.15	6.95	5.54	2.77	4
5	3.11	4.92	12.98	7.51	7.86	NR	NR	8.83	8.13	6.91	5.49	2.79	5
6	3.10	4.94	9.96	7.40	7.88	NR	NR	8.86	8.10	6.88	5.44	2.78	6
7	3.07	4.90	8.38	7.32	7.89	NR	NR	8.84	8.07	6.82	5.37	2.77	7
8	3.02	4.88	8.26	7.27	7.89	NR	NR	8.85	8.03	6.75	5.26	2.75	8
9	2.98	4.89	8.12	7.23	7.90	NR	NR	8.82	7.97	6.70	5.15	2.74	9
10	2.98	4.89	7.77	7.27	7.90	NR	NR	8.82	7.96	6.64	4.97	2.71	10
11	3.00	4.89	7.49	7.45	7.91	NR	NR	8.81	7.94	6.63	4.85	2.69	11
12	3.02	5.61	7.25	7.56	7.92	NR	NR	8.79	7.90	6.60	4.76	2.67	12
13	3.07	5.75	7.06	7.67	7.92	NR	8.96	8.76	7.85	6.57	4.69	2.66	13
14	3.13	5.71	6.91	8.07	7.93	NR	8.99	8.74	7.82	6.53	3.22	2.71	14
15	3.14	5.66	6.89	9.95	7.91	NR	8.99	8.68	7.79	6.49	2.57	2.76	15
16	3.15	5.63	7.85	14.97	7.95	NR	8.97	8.67	7.74	6.45	2.71	2.82	16
17	3.20	5.61	8.23	16.19	7.90	NR	8.96	8.68	7.70	6.42	2.80	2.88	17
18	3.25	4.55	8.19	13.47	7.94	NR	8.97	8.64	7.64	6.36	2.87	2.93	18
19	3.27	2.09	7.96	11.20	7.92	NR	8.98	8.60	7.62	6.32	2.91	2.97	19
20	3.38	2.09	7.92	9.80	7.96	NR	8.92	8.49	7.58	6.26	2.90	3.01	20
21	3.44	2.09	8.07	9.18	7.96	NR	8.95	8.51	7.55	6.21	2.90	3.04	21
22	3.54	2.09	8.01	8.90	7.92	NR	8.96	8.51	7.48	6.16	2.89	3.06	22
23	3.58	2.09	7.88	8.72	7.96	NR	8.91	8.49	7.42	6.11	2.90	3.09	23
24	3.67	2.09	7.73	8.58	7.91	NR	8.88	8.45	7.37	6.06	2.95	3.12	24
25	3.70	2.98	7.58	8.45	NR	NR	8.93	8.39	7.31	6.02	3.01	3.14	25
26	3.74	3.81	7.47	8.33	NR	NR	8.93	8.37	7.28	5.96	3.01	3.16	26
27	3.80	4.40	7.37	8.22	NR	NR	8.90	8.39	7.22	5.91	2.99	3.18	27
28	3.84	7.86	7.47	8.12	NR	NR	8.89	8.36	7.19	5.86	2.96	3.20	28
29	3.90	8.09	8.77	8.03		NR	8.88	8.32	7.16	5.82	2.92	3.24	29
30	3.96	8.27	8.63	7.98		NR	8.88	8.23	7.12	5.75	2.81	3.27	30
31	4.04		8.33	7.95		NR		8.24		5.70	2.80		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

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

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
1971	A08125	CACHE CREEK AT YOLO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1		NF	53.80	54.13	52.76	49.63	54.91	48.74	48.83	48.99	48.98	49.11	1
2		NF	55.18	54.19	52.69	49.61	54.93	48.77	48.85	48.97	49.02	48.93	2
3		NF	54.66	53.89	52.61	49.59	54.87	49.03	48.82	49.00	48.90	48.80	3
4		NF	66.02	53.59	51.06	49.57	53.13	49.10	48.80	49.12	48.78	NF	4
5		NF	57.62	53.39	50.72	49.55	50.67	48.97	48.88	49.09	NR	48.72	5
6		NF	54.19	53.52	50.58	49.51	50.26	48.94	48.97	48.97	48.74	48.76	6
7		NF	53.03	51.98	50.48	49.51	49.79	48.90	48.96	48.71	49.03	48.86	7
8		NF	52.52	51.02	50.39	49.51	49.55	48.90	48.77	NF	49.07	49.01	8
9		NF	52.50	50.82	50.31	49.33	49.33	48.96	NF	48.71	49.11	48.91	9
10	N	NF	52.08	50.67	50.24	49.23	49.17	49.01	48.83	49.06	49.09	48.82	10
11	O	NF	51.69	50.60	50.20	49.21	49.17	48.98	48.92	49.11	49.03	48.85	11
12		NF	51.39	51.11	50.13	49.22	49.26	48.75	48.74	49.06	48.84	48.78	12
13		NF	51.17	51.52	50.07	52.67	49.08	48.71	NF	48.97	48.75	48.81	13
14		NF	51.00	52.66	50.04	51.71	48.98	48.69	48.79	48.91	48.76	48.83	14
15	F	NF	50.86	53.72	50.00	51.04	48.98	48.68	48.99	48.96	NF	48.81	15
16	L	NF	51.86	58.28	49.98	50.79	48.92	48.67	49.05	49.04	NF	48.81	16
17		NF	52.90	64.38	49.94	50.52	49.21	48.81	48.96	49.01	NF	NF	17
18	O	NF	52.23	60.67	49.90	50.26	49.24	49.00	48.75	48.93	NF	NF	18
19		NF	52.74	58.94	49.87	49.75	49.25	48.86	49.02	48.90	48.79	NF	19
20	W	NF	52.04	57.87	49.85	49.58	49.20	48.97	49.09	48.84	48.98	NF	20
21		NF	53.28	57.19	49.81	49.50	NR	48.99	49.15	48.80	49.00	NF	21
22		NF	52.58	56.80	49.79	49.40	NR	48.76	49.04	48.91	48.90	NF	22
23		NF	51.95	56.44	49.79	49.32	NR	NF	48.97	49.08	48.85	NF	23
24		NF	52.34	56.22	49.76	49.22	NR	NF	48.85	49.14	48.95	NF	24
25		NF	53.59	56.03	49.72	49.23	NR	NF	48.92	49.16	49.07	NF	25
26		NF	53.61	55.86	49.69	51.84	NR	48.79	48.70	49.12	49.05	NF	26
27		NF	53.52	55.72	49.66	55.71	NR	48.88	48.69	49.02	49.04	NF	27
28		52.41	53.47	55.57	49.65	54.95	NR	48.81	48.90	48.99	49.00	NF	28
29		56.36	54.53	55.46		5 .43	48.72	49.10	48.90	49.02	48.97	NF	29
30		54.74	55.22	53.76		54.92	48.76	49.11	48.99	48.99	49.05	NF	30
31			54.45	52.89		54.94		48.90		49.01	49.05		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
12-4-70	1430	72.27	1-17-71	0730	66.42	3-13-71	0830	55.44	3-26-71	1900	57.09

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 43 30	121 48 25		41,400	35.11	2-25-1958	JAN 1903-DATE	JAN 1903-DATE	1903	1930	58.24	USCGS
								1930	1954	56.27	USCGS
								1954	1965	52.27	USCGS
								1965	1969	50.27	USCGS
								1969		0.00	USCGS

Station located 800 feet above U. S. Highway 99W bridge, 0.5 mile south of Yolo. Tributary to Yolo Bypass. Maximum discharge listed at present datum. Records furnished by U. S. Geological Survey. Drainage area is 1,139 square miles.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A02935	YOLO BYPASS NEAR WOODLAND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	10.65	10.26	21.05	18.91	17.13	11.20	20.35	10.35	13.93	10.27	10.06	NF	1
2	10.48	10.25	21.67	18.85	16.88	11.11	19.65	10.47	13.90	10.26	10.03	10.21	2
3	10.35	10.26	24.30	18.76	17.11	11.10	19.43	10.53	13.78	10.37	10.03	10.85	3
4	10.26	10.33	24.84	18.53	15.77	11.15	19.25	10.60	13.60	10.50	10.07	10.92	4
5	10.25	10.39	25.60	18.33	14.53	11.14	17.39	10.62	12.90	10.50	10.10	10.97	5
6	10.26	10.43	25.45	18.17	13.93	11.10	15.76	10.65	12.05	10.37	10.11	10.93	6
7	10.26	10.60	25.57	17.80	13.64	11.07	14.38	11.44	11.35	10.20	10.10	10.96	7
8	10.19	10.66	25.36	16.15	13.43	11.08	13.07	12.99	10.92	10.13	10.09	10.93	8
9	10.22	10.63	25.02	15.04	13.27	11.04	12.81	13.35	10.87	10.13	10.08	10.89	9
10	10.24	10.53	24.84	14.35	13.14	10.95	12.85	13.92	10.83	10.12	10.08	10.85	10
11	10.24	10.36	24.94	14.16	13.04	10.86	12.44	14.53	10.70	10.12	10.09	10.79	11
12	10.26	10.31	24.85	14.26	13.05	10.90	12.11	14.92	10.69	10.12	10.08	10.64	12
13	10.51	10.28	24.36	14.62	13.09	11.33	11.79	15.05	10.68	10.12	10.07	10.46	13
14	10.54	10.28	23.35	15.04	13.05	14.44	11.53	15.00	10.64	10.10	10.05	10.40	14
15	10.41	10.23	21.87	16.93	12.99	14.03	11.28	14.93	10.28	10.07	10.04	10.37	15
16	10.35	10.21	20.46	18.64	12.90	13.39	10.99	14.97	NF	10.05	10.03	10.37	16
17	10.34	10.18	19.45	21.95	12.81	12.79	10.91	15.14	NF	10.05	10.03	10.39	17
18	10.35	10.18	19.18	22.40	12.72	12.17	10.93	14.84	NF	10.09	10.03	10.38	18
19	10.36	10.14	19.11	22.04	12.41	11.91	10.91	14.44	NF	10.10	10.02	10.36	19
20	10.37	10.13	19.49	24.67	12.00	11.58	10.83	13.88	NF	10.11	10.02	10.36	20
21	10.37	10.12	19.46	25.48	11.62	11.41	10.94	13.47	NF	10.11	10.01	10.37	21
22	10.36	10.14	19.64	25.22	11.53	11.30	10.90	13.02	NF	10.11	10.01	10.37	22
23	10.36	10.15	19.32	24.84	11.49	11.24	10.70	12.78	NF	10.11	10.01	10.34	23
24	10.37	10.16	18.78	24.30	11.39	11.22	10.63	12.09	NF	10.09	10.00	10.25	24
25	10.42	10.18	18.60	23.37	11.32	11.13	10.49	11.02	NF	10.07	9.96	10.24	25
26	10.48	10.24	18.73	22.26	11.28	11.51	10.36	10.83	NF	10.04	NF	10.39	26
27	10.48	10.24	18.63	21.25	11.20	17.33	10.25	10.71	NF	9.99	NF	10.48	27
28	10.47	10.45	18.51	20.42	11.26	19.39	10.26	10.73	NF	9.96	NF	10.56	28
29	10.44	13.90	18.48	19.69		20.71	10.34	10.87	10.32	10.01	NF	10.49	29
30	10.36	21.00	19.42	19.08		22.07	10.32	12.42	10.40	10.04	NF	10.47	30
31	10.30		19.26	17.68		21.54		13.74		10.06	NF		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-5-70	0700	25.64									

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

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

ö - Irrigation season only.
- Flood season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A91250	PUTAH CREEK NEAR WINTERS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	7.28	6.54	4.73	4.53	7.33	5.81	8.48	7.29	7.46	7.81	7.93	7.05	1
2	7.25	6.56	5.37	4.58	7.31	5.73	8.35	7.16	7.41	7.73	7.82	7.05	2
3	7.25	6.56	4.79	4.54	7.23	5.72	8.18	6.88	7.33	7.72	7.81	7.00	3
4	7.26	6.55	5.46	4.50	7.18	5.76	8.03	6.82	7.40	7.75	7.85	6.99	4
5	7.21	6.54	4.44	4.48	7.12	5.67	7.89	6.76	7.36	7.78	7.80	6.99	5
6	7.25	6.54	4.18	4.57	7.07	5.63	7.75	6.64	7.35	7.86	7.72	6.98	6
7	7.15	6.54	4.34	5.03	7.00	5.63	7.60	6.65	7.53	7.87	7.73	6.97	7
8	7.13	6.53	4.81	5.57	6.96	5.64	7.45	6.55	7.53	7.89	7.71	7.11	8
9	7.17	6.08	5.07	5.23	6.89	5.72	7.30	6.45	7.53	7.84	7.69	7.29	9
10	7.17	5.45	5.07	4.82	6.85	5.90	7.27	6.48	7.59	7.85	7.72	7.62	10
11	7.14	4.80	4.75	4.85	6.76	6.13	7.17	6.57	7.70	7.86	7.70	7.39	11
12	7.13	5.04	4.75	4.94	6.68	6.47	7.07	6.67	7.69	7.94	7.64	7.33	12
13	7.16	4.99	4.71	4.59	6.72	7.54	7.02	6.82	7.62	7.98	7.52	7.28	13
14	7.25	5.50	4.61	4.79	6.68	7.65	7.06	7.05	7.65	7.97	7.54	7.32	14
15	7.16	5.30	4.61	4.96	6.62	7.78	6.99	7.19	7.67	8.03	7.34	7.41	15
16	7.11	5.32	4.83	4.72	6.55	7.84	6.96	7.22	7.69	8.17	7.24	7.46	16
17	7.11	5.28	4.74	5.46	6.53	7.79	6.88	7.32	7.73	7.98	7.20	7.46	17
18	7.07	5.25	4.82	6.23	6.48	7.64	6.71	7.54	7.79	7.79	7.18	7.43	18
19	7.04	5.25	5.68	6.74	6.43	7.53	6.62	7.84	7.86	7.88	7.12	7.36	19
20	6.79	5.25	5.37	7.09	6.32	7.45	6.72	7.78	7.84	8.02	7.22	7.42	20
21	6.53	5.25	4.84	7.29	6.21	7.38	6.63	7.70	7.96	8.04	7.28	7.52	21
22	6.46	5.25	4.62	7.40	6.18	7.30	6.65	7.74	8.10	7.97	7.20	7.51	22
23	6.49	5.25	4.56	7.47	6.15	7.22	6.78	7.81	8.09	8.00	7.22	7.57	23
24	6.58	5.25	4.52	7.52	6.15	7.18	6.76	7.79	8.07	8.07	7.25	7.57	24
25	6.58	5.03	4.50	7.55	6.10	7.16	6.78	7.86	8.07	7.98	7.31	7.55	25
26	6.58	4.86	4.48	7.55	5.97	8.43	6.93	7.71	8.00	8.03	7.25	7.52	26
27	6.56	4.88	4.48	7.53	5.95	9.03	7.13	7.68	7.91	8.02	7.17	7.49	27
28	6.54	5.03	4.59	7.48	5.91	9.03	7.24	7.57	7.89	8.04	7.12	7.49	28
29	6.54	5.01	4.82	7.43		8.96	7.26	7.38	7.89	8.06	6.96	7.54	29
30	6.51	4.74	4.65	7.41		8.88	7.37	7.38	7.88	7.99	6.98	7.50	30
31	6.54		4.52	7.37		8.66		7.38		7.97	7.11		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-19-70	1715	7.08	1-26-71	0130	7.58	3-16-71	1815	7.93	3-28-71	0100	9.10

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 30 55	122 04 50	NE 28 8N 2W	81,000	30.5	2-27-1940	JULY 1930-DATE	JUNE 1930-DATE	1930 1940	1940	161.8 160.75	USCGS USCGS

Station located 1.3 miles below Monticello Dam, 6 miles west of Winters. Flow regulated by Lake Berryessa. Maximum discharge listed at present datum. Records furnished by U. S. Geological Survey. Drainage area is 574 square miles.

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

WATER YEAR	STATION NO.	STATION NAME
1971	B07020	SAN JOAQUIN RIVER NEAR VERNALIS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	11.19	10.53	13.44	15.88	14.73	12.56	11.92	10.51	11.29	11.47	9.23	9.65	1
2	11.36	10.56	13.25	15.92	14.74	12.50	11.71	10.79	11.07	10.99	9.40	9.67	2
3	11.39	10.58	13.45	16.07	15.10	12.28	11.60	11.07	10.91	10.74	9.39	9.61	3
4	11.45	10.63	13.44	16.10	14.98	12.20	11.52	11.17	10.84	10.67	9.23	9.62	4
5	11.47	10.75	13.51	16.04	14.72	12.24	11.26	11.22	10.68	10.74	9.20	9.69	5
6	11.52	10.89	14.67	15.78	14.68	12.17	11.25	11.27	10.58	10.46	9.19	9.67	6
7	11.40	11.05	15.33	15.10	14.71	12.21	11.41	11.22	10.65	10.15	9.31	9.70	7
8	11.33	11.15	15.37	14.78	14.71	12.38	11.48	11.36	10.49	10.09	9.34	9.62	8
9	11.28	11.14	14.78	14.71	14.62	12.33	11.42	11.93	10.76	10.00	9.35	9.64	9
10	11.34	11.07	13.73	14.66	14.63	11.93	11.42	12.27	11.46	9.93	9.24	9.51	10
11	11.38	11.06	12.98	14.56	14.64	11.93	11.56	12.03	12.09	9.98	9.16	9.53	11
12	11.35	11.18	13.42	14.39	14.74 E	11.98	11.49	11.76	12.06	10.04	9.17	9.84	12
13	11.34	11.19	13.80	14.35	14.69 E	12.38	11.12	11.39	11.92	9.93	9.11	9.90	13
14	11.40	11.24	14.12	15.07	14.26 E	12.64	11.46	11.22	11.88	9.73	9.24	9.71	14
15	11.49	11.26	14.34	15.66	13.94 E	13.00	11.70	10.91	12.45	9.65	9.55	9.52	15
16	11.77	11.22	14.56	15.90	14.09 E	13.14	11.56	10.83	12.83	9.58	9.66	9.43	16
17	11.84	11.25	14.69	15.53	14.63 E	13.05	11.81	11.18	12.61	9.56	9.54	9.43	17
18	11.52	11.22	15.13	15.15	14.68	12.83	12.10	11.79	12.38	9.72	9.40	9.54	18
19	11.27	11.16	15.53	15.08	14.68	12.58	12.26	11.89	12.57	9.89	9.39	9.62	19
20	11.13	11.14	15.82	15.14	14.62	12.42	12.18	11.80	12.79	9.67	9.43	9.73	20
21	11.00	11.14	16.15	15.16	14.60	12.06	12.09	11.18	12.70	9.46	9.31	9.69	21
22	10.88	11.29	16.35	15.22	14.56	12.04	11.61	10.98	12.24	9.30	9.51	9.73	22
23	10.84	11.49	16.62	15.23	14.47	11.96	11.03	10.73	12.14	9.28	9.76	9.85	23
24	10.84	11.56	16.60	15.46	13.91 E	11.95	10.96	10.72	11.93	9.25	9.78	10.08	24
25	10.85	11.65	16.49	15.56	13.74 E	12.01	11.04	10.50	11.72	9.36	9.59	10.15	25
26	10.78	11.78	16.50	15.37	13.34 E	12.85	10.99	10.35	11.98	9.61	9.39	10.23	26
27	10.75	11.83	16.49	15.03	12.74 E	13.23	10.84	10.24	11.81	9.54	9.54	10.38	27
28	10.69	11.90	16.40	14.78	12.32 E	13.10	10.78	10.36	12.57	9.53	9.50	10.50	28
29	10.68	12.91	16.31	14.55		12.95	10.56	10.83	13.82	9.46	9.75	10.45	29
30	10.66	14.01	16.24	14.42		12.72	10.47	11.12	11.97	9.40	9.85	10.48	30
31	10.57		16.00	14.56		12.41		11.50		9.33	9.79		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-23-70	1530	16.69	1-16-71	0800	15.97	6-29-71	1100	14.12			

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 40 34	121 15 55	NW 13 3S 6E	79,000	32.81	12-9-1950	JUL 22-DEC 23 ô	JUL 22-DEC 23 ô	1931	1959	5.06	USCGS
						JAN 24-FEB 25	JAN 24-FEB 25	1959		0.00	USCGS
						JUN 25-OCT 28 ô	JUN 25-OCT 28 ô	1959		3.3	USED
						MAY 29-DATE	MAY 29-DATE				

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

ô - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	B02105	MOKELUMNE RIVER AT WOODBRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	6.45	6.03	7.88	9.10	9.05	9.10	6.76	4.86	5.71	8.81	3.83	4.18	1
2	6.53	5.91	8.42	9.17	9.04	6.79	6.63	5.57	5.68	8.71	3.87	4.61	2
3	6.47	5.80	8.37	9.19	9.09	8.08	6.57	5.54	5.62	8.72	3.82	5.15	3
4	6.52	6.04	8.33	9.19	9.04	8.32	6.54	5.49	5.56	8.75	3.77	6.04	4
5	6.53	5.92	11.13	9.19	9.07	8.22	6.20	5.48	5.21	8.82	3.73	6.19	5
6	6.55	5.85	11.94	9.18	9.06	7.74	6.24	4.74	5.36	8.74	3.77	6.22	6
7	6.48	5.84	12.05	9.21	9.06	7.64	6.31	4.88	5.41	7.20	3.77	6.19	7
8	6.46	5.78	12.09	9.22	9.06	7.26	6.27	4.90	5.32	5.53	3.77	6.32	8
9	6.46	5.76	12.11	9.23	9.10	7.39	6.28	5.08	5.12	5.66	3.77	6.64	9
10	6.67	5.76	12.11	9.23	9.11	7.17	6.27	5.42	5.19	6.76	3.78	6.81	10
11	6.65	6.42	12.11	9.23	9.12	7.07	6.33	5.29	5.24	6.94	3.77	7.18	11
12	6.63	6.62	12.11	8.58	9.13	7.23	5.93	5.10	5.55	7.06	3.75	7.21	12
13	6.74	6.62	12.12	8.34	9.13	7.32	5.72	4.95	5.63	6.99	3.73	7.26	13
14	6.66	6.62	12.14	8.24	9.14	7.33	5.81	4.75	5.63	6.91	3.70	7.33	14
15	6.70	6.63	12.05	8.17	9.14	7.39	5.66	4.39	5.56	6.58	3.66	7.51	15
16	6.67	6.63	9.56	8.15	9.14	7.39	5.50	4.42	6.02	6.02	3.96	7.34	16
17	6.67	6.63	8.92	8.15	9.03	7.48	5.42	4.40	5.98	5.81	4.01	NR	17
18	6.73	6.63	8.78	8.15	9.02	7.50	5.38	4.03	5.96	5.97	3.76	NR	18
19	6.77	6.63	8.70	8.13	9.13	7.47	5.40	4.07	5.99	6.01	3.72	NR	19
20	6.87	6.65	8.65	8.13	9.11	7.05	5.45	5.06	6.05	5.79	3.81	NR	20
21	6.84	7.02	8.76	8.11	9.12	6.95	5.16	5.22	6.14	5.52	4.05	NR	21
22	7.36	7.14	8.71	8.11	9.17	6.57	4.84	5.49	6.25	5.52	4.16	NR	22
23	7.31	7.16	8.61	8.11	9.15	6.63	5.01	5.47	6.26	5.53	4.15	NR	23
24	7.30	7.17	8.76	8.11	9.17	6.58	4.79	5.45	6.38	5.56	4.07	NR	24
25	7.27	7.27	8.75	8.11	9.11	6.80	4.70	5.48	6.12	5.68	3.79	NR	25
26	7.25	7.26	8.74	8.12	9.11	7.02	4.87	5.51	4.40	5.57	3.76	NR	26
27	7.24	7.23	8.75	8.85	9.11	7.02	4.79	5.47	5.58	4.47	3.86	NR	27
28	6.64	7.58	8.76	9.02	9.10	6.97	4.79	5.52	9.34	4.29	4.16	NR	28
29	5.70	8.03	8.71	9.03		6.96	4.76	5.61	8.64	4.15	4.33	NR	29
30	8.32	7.85	7.00	9.04		6.96	4.80	5.62	8.54	4.01	4.21	NR	30
31	6.44		8.35	9.05		6.88		5.71		3.89	4.19		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
10-30-70	1230	11.94									
12-14-70	0030	12.14									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 09 30	121 18 10	NE 34 4N 6E	27,000	29.58	11-22-1950	MAY 24-OCT 25 ¤ JAN 26-DATE	MAY 1924-DATE	1924 1931	1931	18.9 14.9	USCGS USCGS

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

¤ - Irrigation season only.

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

WATER YEAR	STATION NO.	STATION NAME
1971	B11150	COSUMNES RIVER AT MICHIGAN BAR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.31	2.44	5.53	4.11	4.06	3.69	4.99	4.15	3.93	3.11	2.49	2.25	1
2	2.25	2.44	6.04	4.26	4.07	3.63	4.89	4.21	3.82	3.13	2.48	2.26	2
3	2.25	2.43	4.95	4.03	4.05	3.62	4.78	4.27	3.76	3.09	2.47	2.24	3
4	2.24	2.48	6.78	3.87	4.00	3.61	4.73	4.36	3.72	3.06	2.44	2.25	4
5	2.22	2.67	5.27	3.83	3.96	3.60	4.71	4.32	3.69	3.02	2.43	2.24	5
6	2.20	3.15	4.62	3.78	3.92	3.57	4.72	4.26	3.68	3.00	2.42	2.23	6
7	2.20	3.18	4.27	3.73	3.89	3.54	4.76	4.23	3.72	2.97	2.41	2.23	7
8	2.20	3.10	4.18	3.68	3.86	3.53	4.65	4.35	3.76	2.93	2.40	2.21	8
9	2.20	2.86	4.56	3.65	3.83	3.52	4.56	4.34	3.77	2.91	2.40	2.22	9
10	2.21	2.78	4.30	3.62	3.81	3.50	4.61	4.32	3.74	2.88	2.44	2.21	10
11	2.21	2.77	4.09	3.67	3.84	3.53	4.61	4.38	3.71	2.84	2.35	2.21	11
12	2.22	2.78	3.97	4.38	3.94	4.09	4.53	4.47	3.67	2.83	2.38	2.19	12
13	2.24	2.94	3.86	4.93	4.05	4.24	4.55	4.47	3.64	2.82	2.36	2.19	13
14	2.23	2.88	3.77	4.69	4.12	4.01	4.53	4.47	3.63	2.77	2.35	2.19	14
15	2.23	2.77	3.70	4.44	4.16	3.92	4.53	4.46	3.57	2.77	2.33	2.17	15
16	2.24	2.73	4.50	4.26	4.18	3.88	4.54	4.43	3.53	2.72	2.34	2.18	16
17	2.25	2.67	5.20	4.38	4.16	3.87	4.59	4.35	3.48	2.71	2.30	2.15	17
18	2.25	2.64	4.59	4.55	4.09	3.87	4.52	4.27	3.43	2.68	2.30	2.15	18
19	2.25	2.63	4.27	4.53	4.13	3.86	4.40	4.19	3.39	2.68	2.30	2.14	19
20	2.27	2.61	4.10	4.54	4.05	3.86	4.34	4.15	3.34	2.69	2.28	2.15	20
21	2.31	2.60	4.52	4.49	3.94	3.88	4.33	4.13	3.29	2.67	2.29	2.16	21
22	2.44	2.60	4.42	4.40	3.89	3.92	4.25	4.07	3.25	2.65	2.28	2.15	22
23	2.52	2.59	4.12	4.31	3.86	4.10	4.19	4.02	3.21	2.61	2.28	2.16	23
24	2.68	2.60	3.99	4.22	3.81	4.28	4.16	4.01	3.17	2.60	2.28	2.17	24
25	2.68	3.29	3.87	4.14	3.76	4.38	4.16	4.02	3.13	2.59	2.27	2.19	25
26	2.64	4.55	3.83	4.07	3.71	6.94	4.13	4.05	3.12	2.59	2.27	2.22	26
27	2.54	3.69	4.13	4.05	3.68	6.34	4.09	4.05	3.50	2.57	2.26	2.22	27
28	2.48	4.42	4.48	4.04	3.70	5.92	4.06	4.06	3.44	2.55	2.26	2.23	28
29	2.44	5.80	4.55	4.04		5.44	4.06	3.99	3.24	2.55	2.25	2.27	29
30	2.43	4.80	4.46	4.04		5.32	4.08	3.95	3.16	2.53	2.25	2.31	30
31	2.42		4.24	4.05		5.16		3.95		2.51	2.25		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
3-26-71	1600	7.97									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 30 00	121 02 45	SE 36 8N 8E	42,000	14.59	12-23-1955	OCT 1907-DATE	OCT 1907-DATE	1907		168.09	USCGS

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

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

WATER YEAR	STATION NO.	STATION NAME
1971	B01125	COSUMNES RIVER AT MCCONNELL

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NF	29.86	37.16	33.27	32.78	32.06	35.03	32.82	32.57	31.10			1
2	NF	29.90	38.54	33.48	32.81	31.98	34.71	32.98	32.38	31.05			2
3	NF	29.93	37.90	33.52	32.78	31.91	34.47	33.11	32.21	31.02			3
4	NF	30.15	38.39	32.75	32.72	31.92	34.29	33.29	32.12	30.98			4
5	NF	30.26	40.28	32.55	32.63	31.89	34.18	33.32	32.04	30.96			5
6	NF	30.62	35.89	32.44	32.55	31.84	34.16	33.17	32.01	30.92			6
7	NF	31.34	34.12	32.34	32.49	31.79	34.28	33.11	32.03	30.87			7
8	NF	31.19	33.46	32.21	32.42	31.77	34.13	33.23	32.08	30.83			8
9	NF	30.88	33.92	32.13	32.37	31.75	33.88	33.35	32.17	30.80			9
10	NF	30.64	33.78	32.06	32.31	31.73	33.80	33.23	32.17	30.74	N	N	10
11	NF	30.55	33.12	32.04	32.30	31.72	34.01	33.30	32.10	30.67	O	O	11
12	NF	30.53	32.78	32.81	32.45	31.81	33.77	33.49	32.03	30.54			12
13	NF	30.55	32.54	35.13	32.68	33.21	33.73	33.58	31.97	30.60			13
14	NF	30.75	32.34	35.71	32.86	32.99	33.73	33.56	31.94	30.77			14
15	NF	30.63	32.18	34.30	32.96	32.65	33.68	33.54	31.86	30.65	F	F	15
16	NF	30.53	32.44	33.67	33.03	32.47	33.67	33.48	31.76	30.54	L	L	16
17	NF	30.48	36.27	33.53	33.03	32.39	33.73	33.39	31.67	30.52			17
18	NF	30.43	34.90	33.99	32.92	32.38	33.75	33.22	31.57	30.49	O	D	18
19	NF	30.40	33.76	33.97	32.87	32.35	33.47	33.07	31.47	30.49			19
20	NF	30.38	33.15	33.96	32.85	32.34	33.31	32.97	31.40	30.74	W	W	20
21	NF	30.36	33.60	33.89	32.61	32.37	33.30	32.89	31.35	30.29			21
22	NF	30.37	34.85	33.69	32.47	32.41	33.17	32.86	31.29	30.15			22
23	NF	30.37	33.67	33.46	32.40	32.51	33.04	32.67	31.18	NF			23
24	29.80	30.36	32.97	33.26	32.32	33.01	32.94	32.65	31.12	NF			24
25	30.30	30.58	32.64	33.08	32.21	33.24	32.93	32.64	31.09	NF			25
26	30.33	33.18	32.45	32.92	32.14	37.18	32.85	32.66	31.05	NF			26
27	30.32	33.03	32.69	32.80	32.05	41.24	32.79	32.73	31.14	NF			27
28	30.15	32.51	34.25	32.75	32.04	38.39	32.71	32.72	31.89	NF			28
29	30.03	37.53	34.35	32.74		36.82	32.69	32.67	31.37	NF			29
30	29.91	37.95	34.91	32.73		36.05	32.72	32.54	31.20	NF			30
31	29.86		33.76	32.75		35.53		32.51		NF			31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
11-29-70	2400	39.34	12-5-70	0530	41.84	1-13-71	2400	36.35	3-27-71	0930	41.85

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 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-11 (CONT.)
DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1971	G32100	EAGLE LAKE NEAR SUSANVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	9.76	9.59	9.91	10.21	10.21	10.52	11.19	12.01	12.61	12.68	12.43	11.85	1
2	9.76	9.59	9.99	10.21	10.21	10.52	11.22	12.03	12.64	12.68	12.41	11.85	2
3	9.75	9.58	10.00	10.21	10.21	10.50	11.24	12.07	12.66	12.66	12.38	11.82	3
4	9.75	9.57	10.06	10.21	10.20	10.52	11.26	12.12	12.69	12.66	12.36	11.81	4
5	9.75	9.62	10.06	10.21	10.20	10.52	11.28	12.14	12.72	12.65	12.33	11.80	5
6	9.74	9.66	10.06	10.21	10.20	10.51	11.30	12.16	12.73	12.64	12.32	11.78	6
7	9.71	9.68	10.06	10.21	10.20	10.51	11.34	12.18	12.74	12.63	12.30	11.77	7
8	9.69	9.67	10.09	10.21	10.20	10.51	11.37	12.24	12.74	12.61	12.28	11.76	8
9	9.69	9.70	10.11	10.21	10.20	10.51	11.36	12.26	12.75	12.59	12.28	11.74	9
10	9.69	9.73	10.10	10.21	10.20	10.51	11.46	12.27	12.76	12.57	12.26	11.73	10
11	9.68	9.74	10.11	10.20	10.20	10.50	11.49	12.29	12.75	12.56	12.25	11.73	11
12	9.68	9.78	10.09	10.20	10.20	10.65	11.52	12.33	12.74	12.55	12.24	11.72	12
13	9.66	9.77	10.10	10.21	10.26	10.73	11.56	12.34	12.73	12.54	12.21	11.72	13
14	9.65	9.76	10.11	10.21	10.48	10.71	11.60	12.35	12.73	12.53	12.19	11.71	14
15	9.64	9.75	10.09	10.21	10.49	10.73	11.63	12.35	12.73	12.53	12.16	11.70	15
16	9.63	9.76	10.15	10.21	10.50	10.74	11.64	12.36	12.73	12.52	12.14	11.70	16
17	9.63	9.76	10.18	10.21	10.51	10.74	11.72	12.34	12.72	12.52	12.12	11.66	17
18	9.63	9.76	10.18	10.21	10.51	10.73	11.76	12.34	12.70	12.52	12.11	11.63	18
19	9.61	9.76	10.18	10.21	10.54	10.73	11.78	12.35	12.69	12.53	12.09	11.62	19
20	9.61	9.76	10.18	10.21	10.52	10.74	11.81	12.36	12.69	12.55	12.06	11.61	20
21	9.60	9.76	10.18	10.21	10.52	10.74	11.84	12.36	12.68	12.56	12.03	11.59	21
22	9.62	9.75	10.20	10.21	10.52	10.74	11.85	12.32	12.67	12.55	12.01	11.57	22
23	9.61	9.75	10.20	10.21	10.53	10.80	11.87	12.32	12.66	12.54	11.99	11.57	23
24	9.63	9.74	10.20	10.21	10.53	10.83	11.89	12.33	12.64	12.52	11.98	11.55	24
25	9.63	9.78	10.20	10.21	10.53	10.85	11.90	12.33	12.62	12.51	11.97	11.55	25
26	9.62	9.79	10.20	10.21	10.51	10.98	11.92	12.35	12.69	12.50	11.97	11.54	26
27	9.60	9.75	10.20	10.21	10.52	11.06	11.93	12.36	12.71	12.49	11.97	11.54	27
28	9.59	9.82	10.20	10.21	10.52	11.09	11.95	12.42	12.70	12.48	11.96	11.51	28
29	9.59	9.87	10.20	10.21		11.12	11.97	12.48	12.68	12.46	11.94	11.50	29
30	9.59	9.87	10.20	10.21		11.15	11.99	12.53	12.68	12.44	11.91	11.53	30
31	9.59		10.20	10.21		11.18		12.56		12.44	11.88		31

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
6-10-71	1445	12.81									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
40 36 45	120 43 34	SW22 32N 11E		12.81	6-10-71		OCT 56-DATE	1956		5095.06	USCGS

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

TABLE B-12

DAILY MAXIMUM AND MINIMUM TIDES

This table shows the water surface elevations for the daily high and low tides referenced to gage datum. The maximum and minimum water surface elevations are reported for those days where normal tide patterns did not occur.

TABLE B-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1971	A02105	SACRAMENTO RIVER AT SACRAMENTO WEIR

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	NR	8.74	22.04 A	NR	20.05 A	9.60	23.14 A	11.01	14.41 A	11.27	9.49	NR	1
	NR	7.82	19.19 A	NR	18.89 A	8.86	22.37 A	10.49	14.31 A	6.63	6.28	NR	
2	9.11	8.85	24.84 A	NR	18.87 A	9.32	22.37 A	NR	14.51 A	11.11	9.84	NR	2
	8.37	7.76	22.04 A	NR	17.80 A	8.65	21.37 A	NR	14.34 A	6.72	6.30	NR	
3	9.36	8.96	25.18 A	NR	17.80 A	9.06	21.39 A	NR	14.65 A	10.86	9.24	NR	3
	8.46	7.90	24.84 A	NR	17.25 A	8.27	20.55 A	NR	14.44 A	6.60	6.16	NR	
4	9.16	9.01	25.74 A	NR	17.25 A	9.17	20.52 A	NR	14.60	10.77	10.18	12.55	4
	8.42	8.20	24.96 A	NR	16.79 A	8.37	19.50 A	NR	14.19	6.53	6.20	12.24	
5	9.28	9.09	NR	NR	16.77 A	8.78	19.50 A	12.25	14.34	10.82	10.08	12.41	5
	8.22	8.15	NR	NR	16.26 A	8.48	18.33 A	11.72	13.97	6.76	6.66	12.10	
6	8.97	9.11	NR	NR	16.26 A	8.71	18.33 A	12.61	14.16	10.72	10.37	12.20	6
	8.15	8.48	NR	NR	15.94 A	8.07	17.60 A	12.20	13.79	6.52	6.84	11.85	
7	8.44	9.31	NR	NR	15.94 A	8.82	17.60 A	12.98	4.02	10.21	10.52	11.99	7
	7.62	8.71	NR	NR	15.49 A	7.98	17.03 A	12.57	13.70	6.44	6.86	11.65	
8	7.80	9.91	25.60 A	NR	15.49 A	8.77	17.05 A	13.19	13.91	10.60	10.48	12.05	8
	7.34	9.42	25.42 A	NR	14.91 A	8.13	16.94 A	13.01	13.38	6.50	7.09	11.72	
9	8.43	10.17	25.42 A	NR	14.89 A	8.85	17.02 A	13.40	13.54	9.95	10.49	12.16	9
	7.26	9.73	25.25 A	NR	14.37 A	8.12	16.81 A	13.08	12.99	6.35	7.28	11.73	
10	8.59	10.11	25.25 A	NR	14.35 A	8.95	16.81 A	13.74 A	13.13	9.52	10.34	12.23	10
	7.59	9.52	24.98 A	NR	14.01 A	8.29	16.35 A	13.38 A	12.44	6.23	7.25	11.87	
11	8.59	11.30	25.35 A	NR	13.99 A	9.15	16.34 A	14.14 A	12.74	9.70	10.41	12.25	11
	7.64	9.58	25.10 A	NR	13.70 A	8.51	16.07 A	13.68 A	12.19	6.25	7.28	11.84	
12	8.62	NR	25.38 A	15.62 A	13.72	10.27 A	16.15 A	14.34	12.57	10.06	10.70	12.13	12
	7.85	NR	25.24 A	14.60 A	13.61	8.82 A	15.89 A	14.04	12.11	6.35	6.90	11.89	
13	8.68	NR	25.24 A	16.31 A	13.63 A	11.65 A	15.97 A	14.27	12.34	10.14	10.65	12.14	13
	7.83	NR	24.94 A	15.62 A	13.40 A	10.02 A	15.78 A	13.92	11.85	6.42	6.66	11.63	
14	8.85	NR	24.94 A	16.36 A	13.40 A	14.89 A	15.91 A	14.18	12.05	10.12	10.79	12.09	14
	7.81	NR	24.60 A	16.24 A	13.15 A	11.67 A	15.64 A	13.81	11.73	6.38	6.67	11.90	
15	8.78	NR	24.60 A	16.58 A	13.26 A	15.45 A	15.75 A	14.20	11.96	10.11	11.12	12.37	15
	7.88	NR	24.17 A	16.06 A	12.87 A	14.89 A	15.55 A	13.92	11.63	6.27	6.83	12.18	
16	8.82	NR	24.15 A	17.14 A	12.91 A	15.37 A	15.66 A	14.04	11.90	9.94	10.99	12.60	16
	7.81	NR	23.94 A	16.58 A	12.57 A	15.02 A	15.34 A	13.74	11.46	6.29	6.88	12.32	
17	8.76	NR	23.94 A	18.77 A	12.83 A	15.09 A	15.48 A	13.89	11.88	9.35	11.23	12.85	17
	7.76	NR	23.75 A	17.16 A	12.40 A	14.80 A	15.18 A	13.71	11.25	6.33	6.99	12.68	
18	8.62	NR	23.78 A	20.63 A	12.46 A	14.81 A	15.18 A	13.87	11.96	9.87	11.28	12.74	18
	7.62	NR	23.62 A	18.81 A	11.91 A	14.23 A	14.71 A	13.68	11.40	6.44	6.87	12.37	
19	8.69	NR	23.65 A	24.11 A	12.13 A	14.23 A	14.70 A	13.86	12.04	10.10	10.75	12.21	19
	7.51	NR	23.43 A	20.67 A	11.56 A	13.67 A	14.30 A	13.29	11.72	6.41	6.90	11.75	
20	8.62	NR	23.43 A	25.48 A	11.69 A	13.74 A	14.38	13.46	12.16	9.90	11.09	11.80	20
	7.59	NR	23.22 A	24.16 A	11.23 A	13.20 A	14.24	12.91	11.33	6.38	6.98	11.61	
21	8.54	NR	23.24 A	25.64 A	11.47 A	13.28 A	14.17	13.16	11.88	9.87	11.06	11.84	21
	7.64	NR	23.12 A	25.48 A	11.00 A	12.83 A	13.79	12.67	11.04	6.31	7.14	11.59	
22	8.31	NR	23.14 A	25.55 A	11.33 A	12.91 A	13.88	12.94	11.71	9.64	11.20	11.80	22
	7.67	NR	22.99 A	25.33 A	10.83 A	12.55 A	13.64	12.46	10.96	6.19	7.12	11.58	
23	8.47	NR	23.00 A	25.34 A	10.88 A	12.85 A	13.52	12.92	11.66	9.52	11.15	11.82	23
	7.73	NR	22.91 A	25.15 A	10.43 A	12.50 A	12.94	12.34	10.98	6.10	7.02	11.58	
24	8.54	NR	22.91 A	25.16 A	10.72 A	12.84 A	13.07	12.69	11.54	9.35	11.30	11.81	24
	7.97	NR	22.66 A	24.80 A	10.10 A	12.45 A	12.44	11.97	11.05	6.08	7.48	11.52	
25	8.57	NR	NR	24.81 A	10.14	14.20 A	12.50	12.40	11.64	9.16	11.69	11.50	25
	7.94	NR	NR	24.50 A	9.71	12.75 A	11.90	11.79	11.14	6.04	7.69	11.27	
26	8.47	NR	NR	24.50 A	9.57	17.48 A	12.33	12.24	11.48	9.39	11.70	11.23	26
	7.95	NR	NR	23.95 A	9.22	14.21 A	11.67	11.60	10.91	6.13	7.42	11.01	
27	8.32	NR	NR	23.95 A	9.66	20.78 A	12.09	12.20	11.23	9.51	11.82	11.23 A	27
	7.84	NR	NR	23.42 A	9.25	17.52 A	11.43	11.68	10.97	6.08	7.30	10.59	
28	8.35	NR	NR	23.41 A	9.75	22.60 A	11.98	12.31 A	12.22 A	9.30	11.53	10.82	28
	7.77	NR	NR	22.99 A	9.28	20.80 A	11.27	11.91 A	7.84 A	6.21	7.22	10.23	
29	8.57	NR	NR	22.97 A		23.26 A	11.65	13.37 A	11.97 A	9.16	11.48	10.56	29
	7.77	NR	NR	22.33 A		22.60 A	10.87	12.31 A	7.21 A	6.12	7.22	10.00	
30	8.80	NR	NR	22.33 A		23.31 A	11.07	14.17 A	11.59 A	9.31	11.64	NR	30
	7.89	NR	NR	21.34 A		23.10 A	10.38	13.40 A	6.73 A	6.21	7.23	NR	
31	8.73		NR	21.34 A		23.38 A		14.39 A		9.41	NR		31
	7.92		NR	20.07 A		23.08 A		14.17 A		6.26	NR		
MAXIMUM	9.36	NR	NR	NR	20.05 A	23.38 A	23.14 A	14.39 A	14.65 A	11.27	11.82	NR	MAXIMUM
MINIMUM	7.26	NR	NR	NR	9.22	7.98	10.38	10.49	6.73 A	6.04	6.16	NR	MINIMUM

A - High flows affected the normal tidal pattern. Gage heights listed are maximum and minimum stage for day.
NR - No record.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 36 09	121 33 12	NE 29 9N 4E		33.1	12-23-1955		NOV 26-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-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1971	A02100	SACRAMENTO RIVER AT SACRAMENTO

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	5.42	5.27	17.62 A	15.64 A	16.00 A	5.86	18.83 A	7.32	10.29	7.93 A	6.40	8.70	1
	4.46	4.10	15.16 A	15.52 A	14.88 A	4.97	18.06 A	6.65	10.12	7.30 A	5.39	8.22	
2	5.65	5.41	20.67 A	15.62 A	14.86 A	5.58	18.05 A	7.21	10.35	7.88 A	6.52	8.96	2
	4.69	4.05	17.65 A	15.47 A	13.76 A	4.73	17.15 A	6.96	10.23	7.22 A	5.53	8.34	
3	5.91	5.51	21.03 A	15.48 A	13.75 A	5.36	17.14 A	7.58	10.51	7.77	6.72	8.73	3
	4.81	4.19	20.70 A	15.29 A	13.18 A	4.42	16.32 A	7.36	10.32	7.04	5.69	8.27	
4	5.73	5.55	21.61 A	15.29 A	13.17 A	5.54	16.31 A	7.85	10.52 A	7.72	6.81	8.74	4
	4.80	4.55	20.83 A	14.31 A	12.72 A	4.55	15.35 A	7.69	10.03 A	6.99	5.70	8.21	
5	5.85	5.59	21.90 A	14.30 A	12.72 A	5.11	15.34 A	8.31	10.25	7.76	6.78	8.62	5
	4.55	4.49	21.61 A	13.21 A	12.16 A	4.68	14.28 A	7.99	9.82	6.94	5.86	8.18	
6	5.51	5.50	21.77 A	13.19 A	12.16 A	5.03	14.26 A	8.70	10.10	7.75	6.97	8.44	6
	4.49	4.73	21.47 A	12.48 A	11.86 A	4.19	13.54 A	8.48	9.67	6.94	5.95	7.95	
7	4.95	5.68	21.52 A	12.47 A	11.85 A	5.17	13.53 A	9.09	10.02	7.75	7.05	8.17	7
	3.92	4.94	21.42 A	11.97 A	11.47 A	4.11	13.00 A	8.82	9.55	6.84	6.17	7.70	
8	4.22	6.19	21.43 A	11.96 A	11.45 A	5.13	12.99 A	9.29	9.90	7.58	6.90	8.32	8
	3.59	5.53	21.24 A	11.58 A	10.91 A	4.28	12.87 A	8.89	9.35	6.58	6.12	7.76	
9	4.94	6.50	21.24 A	11.56 A	10.90 A	5.19	12.93 A	9.45	9.63	7.31	6.81	8.42	9
	3.58	5.84	21.11 A	11.21 A	10.38 A	4.29	12.76 A	9.07	8.98	6.36	6.20	7.81	
10	5.12	6.50	21.10 A	11.20	10.36 A	5.24	12.75 A	9.77	9.21	6.99	6.79	8.04	10
	3.94	5.72	20.75 A	10.92	9.99 A	4.44	12.34 A	9.35	8.43	6.09	6.14	7.91	
11	5.12	7.53	21.16 A	11.02	10.72 A	5.40	12.34 A	10.15	8.85	6.80	7.26	8.50	11
	3.99	5.78	20.90 A	10.68	9.70 A	4.58	12.05 A	9.65	8.18	6.04	6.39	7.91	
12	5.15	7.71	21.17 A	11.67 A	9.77	6.57 A	12.11 A	10.39	8.69	6.68	6.90	8.37	12
	4.21	7.25	21.06 A	10.63 A	9.60	4.89 A	11.87 A	9.95	8.08	6.03	6.72	7.90	
13	5.23	7.13	21.06 A	12.31 A	9.65	7.59 A	11.99 A	10.29	8.43	6.51	7.57	8.37	13
	4.19	6.58	20.83 A	11.63 A	9.43	6.11 A	11.78 A	9.84	7.87	6.03	7.01	7.68	
14	5.41	6.92	20.82 A	12.36 A	9.46	10.60 A	11.91 A	10.20	8.12	6.61	7.80	8.28	14
	4.32	6.23	20.45 A	12.20 A	9.18	7.59 A	11.66 A	9.82	7.70	5.97	7.18	7.82	
15	5.36	6.77	20.45 A	12.64 A	9.37	11.16 A	11.75 A	10.20	7.97	6.85	7.94	8.49	15
	4.25	5.97	20.04 A	12.05 A	8.95	10.62 A	11.52 A	9.88	7.58	6.09	7.29	8.07	
16	5.41	6.52	20.02 A	13.24 A	9.05	11.09 A	11.65 A	10.05	8.01	7.01	8.04	8.65	16
	4.17	5.76	19.84 A	12.65 A	8.65	10.81 A	11.32 A	9.65	7.43	6.20	7.36	8.20	
17	5.36	6.38	19.84 A	14.72 A	8.99	10.81 A	11.45 A	9.83	8.03	7.17	8.00	8.94	17
	4.13	5.61	19.65 A	13.25 A	8.51	10.54 A	11.14 A	9.60	7.45	6.24	7.40	8.36	
18	5.19	6.48	19.65 A	16.46 A	8.63 A	10.53 A	11.17 A	9.82	8.16	7.10	7.99	NR	18
	4.01	5.65	19.55 A	14.74 A	7.97 A	10.01 A	10.68 A	9.58	7.48	6.17	7.39	8.43	
19	5.28	6.57	19.55 A	19.79 A	8.29 A	10.05 A	10.69 A	9.87	8.23	7.23	7.83	NR	19
	3.85	6.04	19.34 A	16.49 A	7.59 A	9.48 A	10.32 A	9.23	7.82	6.29	7.00	7.85	
20	5.16	7.02	19.35 A	21.24 A	7.82 A	9.69 A	10.46	9.51	8.43	7.32	7.83	NR	20
	3.94	6.50	19.15 A	19.82 A	7.30 A	9.04 A	10.27	8.90	7.51	6.32	7.24	7.70	
21	4.65	7.32	19.15 A	21.40 A	7.67 A	9.26 A	10.27	9.28	8.17	7.33	7.82	8.07	21
	3.96	6.89	19.03 A	21.24 A	7.09 A	8.72 A	10.03	8.64	7.33	6.27	7.28	7.65	
22	5.05	7.47	19.05 A	21.37 A	7.57	8.95	9.98	9.06	8.05	7.14	7.64	8.02	22
	4.03	6.96	18.92 A	21.17 A	6.92	8.68	9.68	8.43	7.27	6.18	7.16	7.61	
23	4.93	7.55	18.92 A	21.17 A	7.09	8.93	9.68	9.06	8.00	7.12	7.43	8.07	23
	3.99	7.09	18.83 A	20.96 A	6.55	8.42	9.17	8.33	7.23	6.21	6.76	7.63	
24	4.98	7.73	18.83 A	20.96 A	6.99	8.86	9.29	8.87	7.87	6.93	7.72	8.10	24
	4.23	7.19	18.61 A	20.64 A	6.21	8.40	8.60	8.01	7.19	6.08	6.82	7.59	
25	5.01	8.11	18.60 A	20.64 A	6.35	10.06 A	8.76	8.59	7.90	6.66	8.14	7.79	25
	4.22	7.39	17.78 A	20.31 A	5.84	8.62 A	8.08	7.85	7.30	5.82	7.54	7.38	
26	4.87	8.51	17.77 A	20.31 A	5.81	12.81 A	8.64	8.45	7.74	6.60	8.30	7.52	26
	4.20	7.63	16.82 A	19.75 A	5.32	10.06 A	7.85	7.65	7.05	6.03	7.89	7.07	
27	4.72	9.49 A	16.81 A	19.74 A	5.87	16.09 A	8.38	8.37	7.44	6.63	8.00	6.71	27
	4.10	8.16 A	15.84 A	19.19 A	5.34	12.85 A	7.63	7.76	7.14	6.03	7.91	6.64	
28	4.78	10.40 A	15.82 A	19.19 A	6.02	17.97 A	8.30	8.35	8.37 A	6.18	8.38	7.06	28
	4.03	9.31 A	15.22 A	18.77 A	5.39	16.12 A	7.50	7.94	7.89 A	5.75	7.94	6.24	
29	5.05	13.50 A	15.21 A	18.76 A		18.68 A	7.98	9.25 A	8.32 A	6.46	8.42	6.80	29
	4.03	10.42 A	14.86 A	18.18 A		17.98 A	7.07	8.34 A	7.79 A	5.55	7.96	6.00	
30	5.31	15.16 A	15.45 A	18.17 A		18.81 A	7.34	10.02 A	8.13 A	6.36	8.51	6.85	30
	4.17	13.51 A	14.96 A	17.22 A		18.68 A	6.60	9.27 A	7.46 A	5.42	7.97	5.94	
31	5.24		15.64 A	17.21 A		18.99 A		10.23 A		6.31	8.61		31
	4.21		15.44 A	16.02 A		18.68 A		10.04 A		5.42	8.08		
MAXIMUM	5.91	15.16 A	21.90 A	21.40 A	16.00 A	18.99 A	18.83 A	10.39	10.52 A	7.93 A	8.61	8.96	MAXIMUM
MINIMUM	3.58	4.05	14.86 A	10.63 A	5.32	4.11	6.60	6.65	7.05	5.42	5.39	5.94	MINIMUM

NR - No record.
A - High flows affected the normal tidal pattern. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 35 20	121 30 15	NW 35 9N 4E	104,000	30.14	11-21-1950	04- 05	JAN 04-JULY 05	1904	1956	0.12	USCGS
						JUN 21-NOV 21	20-DATE	1956		0.00	USCGS
						MAY 24-DEC 42 ö		1956		2.93	USED
						MAY 43-DATE			1965	-0.23	USCGS
								1965		0.00	USCGS

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

ö - Irrigation season only.

TABLE B-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1971	B91850	SACRAMENTO RIVER NEAR FREEPORT

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	4.39	4.45	13.70 A	12.15 A	12.48 A	4.58	14.95 A	5.56	7.56	6.02	5.19	6.70	1
	3.03	2.72	11.71 A	12.00 A	11.48 A	3.25	14.31 A	4.46	7.17	5.06	3.69	5.82	
2	4.64	4.62	16.42 A	12.11 A	11.47 A	4.29	14.30 A	5.27	7.62	6.06	5.33	6.98	2
	3.19	2.70	13.73 A	11.96 A	10.47 A	3.02	13.52 A	4.62	7.29	5.08	3.82	5.99	
3	4.93	4.68	16.83 A	11.95 A	10.47 A	4.18	13.51 A	5.51	7.81	6.04	5.56	6.77	3
	3.33	2.82	16.43 A	11.78 A	9.93 A	2.79	12.75 A	5.00	7.45	4.93	3.95	5.87	
4	4.82	4.61	17.31 A	11.78 A	10.05	4.48	12.75 A	5.80	7.92	6.09	5.66	6.74	4
	3.45	3.12	16.64 A	10.98 A	9.81	3.03	11.90 A	5.22	7.23	4.90	3.97	5.85	
5	5.01	4.55	17.63 A	10.96 A	9.62	3.95	11.89 A	6.04	7.75	6.16	5.55	6.69	5
	3.16	3.03	17.32 A	9.98 A	9.38	2.58	10.95 A	5.56	7.09	4.87	4.05	5.89	
6	4.69	4.50	17.53 A	9.97	9.34	3.87	10.94 A	6.58	7.65	6.25	5.67	6.54	6
	3.17	3.12	17.22 A	9.27	8.98	3.00	10.27 A	6.09	6.96	4.87	4.25	5.73	
7	4.30	4.32	17.32 A	9.53	9.03	4.10	10.32 A	6.97	7.68	6.34	5.69	6.28	7
	2.64	3.26	17.18 A	9.15	8.68	2.52	9.79 A	6.37	6.87	4.84	4.30	5.46	
8	4.15	4.67	17.24 A	9.22	8.60	4.06	9.91	7.11	7.63	6.21	5.52	6.50	8
	2.29	3.65	17.03 A	8.76	8.22	2.75	9.67	6.48	6.72	4.63	4.23	5.49	
9	3.49	5.01	17.09 A	8.96	8.08	4.10	9.91	7.21	7.51	5.99	5.31	6.61	9
	2.33	3.92	16.90 A	8.45	7.72	2.78	9.64	6.56	6.48	4.46	4.27	5.62	
10	4.35	5.22	16.94 A	8.74	7.70	4.09	9.79	7.51	7.27	5.69	5.33	6.67	10
	2.67	3.91	16.67 A	8.11	7.28	2.92	9.34	6.83	6.06	4.20	4.21	5.69	
11	4.34	5.85	17.03 A	8.62	7.45	4.14	9.44	7.88	6.91	5.43	5.77	6.50	11
	2.75	4.05	16.70 A	7.89	7.05	3.00	8.95	7.13	5.77	4.10	4.43	5.71	
12	4.38	6.09	17.07 A	8.92	7.30	5.31	9.28	8.12	6.74	5.22	6.02	5.92	12
	2.99	5.11	16.90 A	7.80	6.91	3.24	8.84	7.31	5.67	4.09	4.67	5.56	
13	4.47	5.70	16.90 A	9.51	7.23	5.52	9.23	8.00	6.49	5.14	6.17	6.46	13
	2.98	4.74	16.70 A	8.59	6.80	4.34	8.75	7.19	5.50	4.00	4.92	5.44	
14	4.66	5.56	16.70 A	9.51	7.14	7.76	9.19	7.87	6.09	5.46	5.31	6.40	14
	3.10	4.35	16.40 A	9.07	6.65	5.34	8.68	7.14	5.28	4.02	5.03	5.51	
15	4.64	5.51	16.39 A	9.47	7.15	8.37	9.11	7.86	5.95	4.76	6.29	6.54	15
	3.06	4.15	16.01 A	9.04	6.50	7.77	8.55	7.25	5.17	4.22	5.12	5.74	
16	4.71	5.27	16.01 A	10.01 A	6.87	8.36	9.02	7.60	6.01	5.66	6.36	6.68	16
	2.93	4.01	15.88 A	9.48 A	6.27	7.93	8.39	6.93	5.05	4.41	5.16	5.89	
17	4.67	5.05	15.88 A	11.19 A	6.94	8.18	8.83	7.31	6.14	5.89	6.30	6.89	17
	2.89	3.83	15.68 A	9.97 A	6.20	7.66	8.23	6.86	5.19	4.45	5.17	6.27	
18	4.49	4.96	15.70 A	12.70 A	6.59	7.95	8.45	7.33	6.41	5.79	6.27	6.94	18
	2.78	3.82	15.58 A	11.20 A	5.67	7.28	7.80	6.89	5.30	4.29	5.19	6.12	
19	4.55	5.13	15.58 A	15.54 A	6.35	7.61	8.05	7.47	6.46	5.92	6.27	6.42	19
	2.59	4.07	15.40 A	12.72 A	5.17	6.85	7.51	6.55	5.48	4.41	4.97	5.64	
20	4.29	5.21	15.40 A	16.99 A	5.82	7.39	7.95	7.20	6.65	6.03	6.11	6.26	20
	2.67	4.41	15.21 A	15.58 A	5.26	6.52	7.41	6.37	5.37	4.47	5.14	5.51	
21	4.12	5.55	15.26 A	17.18 A	5.84	7.09	7.82	7.17	6.51	6.06	6.05	6.24	21
	2.62	4.76	15.14 A	16.99 A	4.91	6.24	7.11	6.09	5.17	4.43	5.10	5.49	
22	3.81	5.66	15.15 A	17.16 A	5.91	6.87	7.62	7.00	6.47	5.89	5.86	6.17	22
	2.66	4.82	15.02 A	16.94 A	4.74	6.05	6.89	5.98	5.08	4.35	5.02	5.46	
23	3.86	5.71	15.03 A	16.99 A	5.55	6.84	7.45	7.10	6.43	5.79	5.67	6.25	23
	2.55	4.92	14.92 A	16.76 A	4.66	6.23	6.56	5.93	5.08	4.36	4.78	5.44	
24	3.91	5.95	14.98 A	16.78 A	5.53	6.76	7.24	7.04	6.30	5.62	5.87	6.37	24
	2.77	5.06	14.75 A	16.51 A	4.32	6.06	6.23	5.72	5.00	4.23	4.75	5.45	
25	3.94	6.40	14.74 A	16.51 A	4.79	7.48	6.87	6.86	6.25	5.40	6.25	6.04	25
	2.75	5.26	14.04 A	16.24 A	4.04	6.17	5.76	5.60	5.09	4.04	5.31	5.33	
26	3.78	6.75	14.02 A	16.22 A	4.26	9.62 A	6.89	6.73	6.02	5.14	6.43	5.87	26
	2.75	5.49	13.20 A	15.74 A	3.45	7.29 A	5.62	5.41	4.89	4.14	5.64	5.03	
27	3.63	7.41	13.20 A	15.74 A	4.43	12.42 A	6.67	6.58	5.90	5.16	6.47	5.47	27
	2.61	5.84	12.34 A	15.26 A	3.50	9.65 A	5.40	5.47	4.85	4.12	5.68	4.68	
28	3.73	8.20	12.33 A	15.25 A	4.69	14.14 A	6.60	6.31	6.23	5.06	6.48	4.83	28
	2.58	6.83	11.78 A	14.89 A	3.64	12.43 A	5.36	5.54	5.58	3.90	5.68	4.36	
29	4.09	10.27 A	11.77 A	14.90 A		14.86 A	6.30	6.60	5.90	5.02	6.58	5.33	29
	2.57	7.71 A	11.48 A	14.40 A		14.14 A	4.87	6.03	5.37	3.77	5.63	4.13	
30	4.42	11.81 A	11.98 A	14.39 A		15.01 A	5.61	7.37	6.10	5.03	6.59	5.53	30
	2.74	10.27 A	11.48 A	13.56 A		14.85 A	4.42	6.89	5.14	3.74	5.65	4.23	
31	4.38		12.18 A	13.55 A		15.03 A		7.58		4.00	6.63		31
	2.85		11.88 A	12.50 A		14.81 A		7.15		3.72	5.72		
MAXIMUM	5.01	11.81 A	17.63 A	17.18 A	12.48 A	15.03 A	14.95 A	8.12	7.92	6.34	6.63	6.98	MAXIMUM
MINIMUM	2.29	2.70	11.48 A	7.80	3.45	2.52	4.42	4.46	4.85	3.72	3.69	4.13	MINIMUM

A - High flows affected the normal tidal pattern. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 28 23	121 31 58	SW 10 7N 4E		23.9	12-23-1955		AUG 1955-DATE	1955	1956	4.93	USCGS
								1956		0.00	USCGS
									1964	-0.43	USCGS
								1964		0.00	USCGS

Station located 10.7 miles below Sacramento, 1.9 miles northwest of Freeport. Maximum gage height listed at present datum.

TABLE B-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1971	B91750	SACRAMENTO RIVER AT SNODGRASS SLOUGH

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	6.72	6.94	12.32	11.40	11.56 A	6.68	13.30	7.16	7.94	6.34	5.91	8.08	1
	4.71	4.33	10.63	10.87	10.66 A	4.52	12.71	5.25	6.84	5.83	4.98	6.19	
2	7.00	7.10	14.40	11.40	10.95 A	6.42	12.79	6.72	8.02	7.64	7.53	8.37	2
	4.79	4.32	12.18	10.89	9.78 A	4.29	12.06	5.27	7.06	5.91	5.08	6.37	
3	7.32	7.15	14.98	11.17	10.38 A	6.37	12.17	6.83	8.28	7.70	7.79	8.12	3
	4.97	4.46	14.33	10.68	9.28 A	4.14	11.44	5.61	7.24	5.71	5.20	6.24	
4	7.22	6.98	15.17	10.99	10.12	6.77	11.60	7.17	8.47	7.83	7.90	8.09	4
	5.09	4.62	14.50	10.13	8.96	4.48	10.77	5.68	7.17	5.69	5.19	6.26	
5	7.44	6.85	15.51	10.50	9.90	6.13	11.01	7.21	8.44	7.95	7.78	8.10	5
	4.81	4.56	15.03	9.37	8.59	3.97	10.07	6.09	6.98	5.69	5.21	6.43	
6	7.17	6.65	15.40	10.09	9.74	6.08	10.52	7.87	8.44	8.13	7.83	7.96	6
	4.87	4.57	14.98	8.83	8.86	3.93	9.49	6.68	6.90	5.70	5.32	6.36	
7	6.59	6.40	15.39	9.92	9.54	6.39	10.07	8.23	8.64	8.27	7.77	7.77	7
	4.39	4.63	14.93	8.50	8.40	4.23	9.13	6.87	6.87	5.73	5.37	6.05	
8	5.64	6.56	15.39	9.82	9.27	6.35	9.79	8.31	8.67	8.20	7.54	8.06	8
	4.03	4.79	14.87	8.73	8.16	4.27	9.03	6.85	6.80	5.61	5.30	6.10	
9	5.92	6.93	15.29	9.72	8.80	6.40	9.79	8.32	8.73	8.03	7.21	8.19	9
	4.10	5.02	14.75	8.27	7.62	4.65	8.98	6.86	6.74	5.48	5.28	6.23	
10	6.85	7.35	15.09	9.61	8.51	6.35	9.86	8.61	8.65	7.75	7.28	8.23	10
	4.45	5.16	14.54	8.08	7.41	4.43	8.82	7.08	6.40	5.22	5.26	6.24	
11	6.84	7.74	15.14	9.58	8.31	6.28	9.62	8.99	8.34	7.44	7.72	7.99	11
	4.53	5.53	14.54	7.95	7.22	4.43	8.50	7.35	6.17	5.14	5.52	6.21	
12	6.89	7.85	15.22	9.65	8.14	7.44	9.52	9.20	8.17	7.12	7.88	7.89	12
	4.82	6.33	14.74	7.91	7.13	4.63	8.38	7.46	6.13	5.09	5.69	6.01	
13	6.99	7.65	15.10	10.01	8.11	7.02	9.59	9.00	7.86	7.07	7.98	7.04	13
	4.84	5.86	14.69	8.42	7.07	5.66	8.34	7.31	5.95	5.03	5.78	5.95	
14	7.18	7.60	14.81	9.82	8.14	8.05	9.59	8.85	7.34	7.47	8.04	7.88	14
	4.96	5.44	14.51	8.75	7.02	6.10	8.30	7.24	5.69	5.11	5.80	6.01	
15	7.17	7.63	14.47	9.54	8.24	8.79	9.58	8.80	7.38	7.74	6.88	7.95	15
	4.93	5.32	14.25	8.70	7.10	7.69	8.20	7.38	5.58	5.41	5.83	6.18	
16	7.25	7.38	14.35	9.78	8.02	8.83	9.51	8.33	6.64	8.02	8.08	8.07	16
	4.73	5.25	13.95	8.88	6.89	7.82	8.16	6.96	5.61	5.57	5.84	6.37	
17	7.20	7.07	14.14	10.24	8.21	8.77	9.36	7.94	7.65	6.41	8.04	8.29	17
	4.68	5.10	13.86	9.22	6.90	7.61	8.02	6.87	5.92	5.59	5.83	6.70	
18	7.02	6.91	14.05	11.33 A	7.86	8.59	8.87	8.06	8.07	7.89	7.95	8.20	18
	4.56	5.05	13.73	10.22 A	6.35	7.33	7.59	6.96	6.07	5.33	5.85	6.58	
19	7.08	6.76	13.91	13.49 A	7.78	8.44	8.61	8.33	8.14	8.01	8.04	7.75	19
	4.36	5.17	13.61	11.34 A	5.73	7.04	7.45	6.55	6.03	5.43	5.86	6.26	
20	6.73	6.80	13.75	14.79 A	7.19	8.40	8.69	8.17	8.28	8.15	7.82	7.79	20
	4.40	5.36	13.48	13.51 A	5.52	6.87	7.48	6.65	5.98	5.54	5.85	6.20	
21	6.49	7.13	13.79	15.16 A	7.37	8.26	8.60	8.45	8.24	8.20	7.67	7.74	21
	4.28	5.65	13.40	14.79 A	5.49	6.69	7.24	6.43	5.85	5.56	5.83	6.23	
22	6.09	7.24	13.65	15.19 A	7.66	8.12	8.51	8.30	8.28	8.02	7.48	7.65	22
	4.32	5.73	13.27	14.73 A	5.61	6.59	7.16	6.34	5.87	5.46	5.79	6.25	
23	6.18	7.24	13.54	15.09 A	7.41	8.13	8.49	8.53	8.24	7.89	7.21	7.76	23
	4.15	5.81	13.16	14.59 A	5.83	6.63	7.03	6.42	5.80	5.46	5.61	6.10	
24	6.15	7.55	13.53	14.96 A	7.46	8.05	8.53	8.59	8.10	7.66	7.40	7.96	24
	4.37	5.99	13.04	14.37 A	5.34	6.68	6.71	6.26	5.74	5.36	5.70	6.18	
25	6.26	8.06	13.19	14.71 A	6.62	8.38	8.35	8.52	7.97	7.46	7.75	7.63	25
	4.35	6.34	12.50	14.17 A	5.28	6.99	6.40	6.24	5.81	5.27	6.05	6.08	
26	5.96	8.41	12.69	14.37 A	6.12	9.53	8.53	8.42	7.67	7.07	7.92	7.52	26
	4.35	6.88	12.36	13.80 A	4.62	8.19	6.33	6.04	5.59	5.26	6.33	5.79	
27	5.89	8.77	12.19	13.97 A	6.37	11.07 A	8.37	8.25	7.30	7.06	7.89	7.16	27
	4.14	6.52	11.69	13.46 A	4.66	9.05 A	6.20	6.00	5.55	5.21	6.34	5.53	
28	6.03	9.50	11.73	13.60 A	6.75	12.46 A	8.30	7.68	7.45	7.05	7.87	7.15	28
	4.21	7.20	11.01	13.19 A	4.91	11.07 A	6.19	5.84	5.94	5.10	6.23	5.28	
29	6.48	10.60	11.46	13.31 A		13.23 A	7.98	7.62	7.40	7.09	8.00	6.51	29
	4.14	7.76	10.65	12.83 A		12.45 A	5.59	6.22	5.79	5.09	6.12	5.13	
30	6.86	11.64	11.45	12.88 A		13.64 A	7.23	8.09	7.49	7.15	8.02	7.53	30
	4.33	9.53	10.46	12.20 A		13.14 A	5.19	6.82	5.76	5.15	6.10	5.33	
31	6.84		11.51	12.25 A		13.45 A		7.67		7.35	7.03		31
	4.47		10.74	11.41 A		13.12 A		6.84		5.00	6.14		
MAXIMUM	7.44	11.64	15.51	15.19 A	11.56 A	13.64 A	13.30	9.20	8.73	8.27	8.08	8.37	MAXIMUM
MINIMUM	4.03	4.32	10.46	7.91	4.62	3.93	5.19	5.25	5.55	5.00	4.98	5.13	MINIMUM

A - High flows affected the normal tidal pattern. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 21 02	121 31 56	SW 22 6N 4E		20.57	12-25-1964		AUG 1939-DATE	1939		0.00	USED
								1939		-3.02	USCGS
									1964	-3.40	USCGS
								1964		-3.00	USCGS

Station located 0.2 mile above head of slough (leveed off from river), west of State Highway 160, 2.5 miles northeast of Courtland. At times, tidal fluctuation is influenced by operation of the Delta Cross Channel gates.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1971	B91650	SACRAMENTO RIVER AT WALNUT GROVE

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	3.50 0.89	3.78 0.43	7.12 4.82	6.01 4.70	6.28 4.70	3.34 0.31	NR NR	3.50 0.75	3.39 1.39	3.99 1.43	2.41 0.79	4.29 1.28	1
2	3.77 0.93	3.96 0.43	7.91 5.71	6.10 4.71	5.98 4.12	3.10 0.07	6.43 5.36	3.02 0.66	3.47 1.78	2.25 1.37	4.24 0.85	4.56 1.46	2
3	4.09 1.10	4.00 0.57	8.09 6.82	5.71 4.47	5.59 3.71	3.09 -0.01	6.01 4.94	3.05 0.98	3.79 1.94	4.09 1.18	4.48 0.95	4.30 1.37	3
4	4.01 1.21	3.75 0.70	7.99 7.04	5.79 4.28	5.42 3.49	3.57 0.39	5.73 4.55	3.34 0.94	4.04 1.80	4.29 1.14	4.59 0.94	4.28 1.38	4
5	4.23 0.94	3.63 0.60	8.22 7.24	5.61 3.82	5.32 3.28	2.87 -0.17	5.49 4.18	3.32 1.43	4.12 1.68	4.45 1.15	4.48 0.91	4.32 1.72	5
6	4.01 1.01	3.35 0.58	8.35 7.37	5.43 3.44	5.26 3.18	2.84 -0.19	5.43 3.83	4.03 2.13	4.21 1.65	4.67 1.18	4.47 0.95	4.16 1.72	6
7	3.46 0.55	3.08 0.61	8.44 7.28	5.41 3.24	5.13 3.00	3.15 0.16	5.19 3.64	4.38 2.23	4.53 1.69	4.85 1.27	4.35 0.98	4.04 1.37	7
8	3.50 0.21	3.16 0.63	8.56 7.36	5.43 3.12	4.97 3.49	3.13 0.21	5.00 3.57	4.39 2.10	4.64 1.66	4.77 1.16	4.11 0.92	4.37 1.41	8
9	3.72 0.31	3.50 0.83	8.53 7.22	5.45 3.81	4.50 2.79	3.14 0.39	5.03 3.53	4.35 2.01	4.78 1.76	4.63 1.08	3.73 0.90	4.51 1.53	9
10	3.06 0.67	4.27 1.07	8.33 7.05	5.44 3.02	4.29 2.44	3.09 0.38	5.19 3.45	4.63 2.18	4.81 1.52	4.36 0.85	3.83 0.93	4.53 1.51	10
11	3.69 0.77	4.37 1.61	8.31 7.26	5.44 2.97	4.11 2.30	2.95 0.65	5.03 3.20	4.99 2.41	4.57 1.36	4.03 0.77	4.25 1.29	4.26 1.45	11
12	3.74 1.10	4.35 2.21	8.36 7.17	5.38 2.94	3.92 2.27	4.15 0.54	4.99 3.11	5.15 2.50	4.40 1.37	3.69 0.72	4.40 1.41	4.12 1.22	12
13	3.84 1.13	4.26 1.60	8.32 7.17	5.58 3.28	3.91 2.23	3.59 1.54	5.15 3.11	4.94 2.34	4.02 1.21	3.62 0.70	4.44 1.30	4.17 1.16	13
14	4.03 1.28	4.27 1.28	8.09 7.07	5.23 3.48	4.03 2.27	3.61 1.74	5.16 3.10	4.80 2.23	3.46 0.89	4.04 0.86	4.48 1.20	3.33 1.27	14
15	4.03 1.15	4.34 1.22	7.76 6.87	4.90 3.41	4.20 2.48	4.28 2.61	5.20 3.00	4.71 2.40	3.60 0.85	4.34 1.27	3.05 1.19	4.17 1.36	15
16	4.12 0.94	4.09 1.20	7.81 6.71	4.96 3.44	4.03 2.31	4.41 2.67	5.17 3.04	4.08 1.91	3.96 0.99	4.63 1.28	4.51 1.18	4.26 1.62	16
17	4.08 0.88	3.72 1.08	7.51 6.67	5.11 3.64	4.32 2.34	4.42 2.52	5.05 2.93	3.60 1.81	2.60 1.49	2.79 1.28	4.44 1.17	4.52 1.90	17
18	3.90 0.76	3.51 1.00	7.42 6.52	5.66 4.23	3.97 1.77	4.24 2.56	4.41 2.48	3.82 1.96	4.47 1.54	4.52 0.94	4.36 1.19	4.30 1.80	18
19	3.94 0.55	3.18 1.08	7.31 6.42	6.40 5.02	4.00 0.93	4.21 2.08	4.27 2.48	4.17 1.30	4.54 1.37	4.65 1.04	4.47 1.36	3.89 1.62	19
20	3.57 0.60	3.21 1.17	7.29 6.39	7.61 6.40	3.36 0.77	4.30 1.99	4.44 2.61	4.02 1.76	4.65 1.30	4.77 1.20	4.22 1.24	4.07 1.64	20
21	3.30 0.44	3.52 1.43	7.45 6.48	8.05 7.19	3.67 0.82	4.27 1.86	4.40 2.37	4.58 1.62	4.67 1.23	4.81 1.23	4.01 1.21	4.02 1.75	21
22	2.89 0.49	3.65 1.53	7.25 6.31	8.16 7.15	4.11 1.05	4.19 1.83	4.37 2.36	4.43 1.41	4.77 1.34	4.66 1.16	3.82 1.22	3.92 1.71	22
23	2.97 0.33	3.62 1.61	7.09 6.16	8.18 7.07	3.96 0.88	4.23 1.88	4.45 2.29	4.76 1.57	4.73 1.25	4.49 1.13	3.51 1.09	4.04 1.49	23
24	2.88 0.50	3.97 1.85	7.24 6.07	8.19 6.95	4.00 1.25	4.19 1.94	4.66 2.10	4.88 1.48	4.57 1.17	4.26 1.07	3.69 1.22	4.29 1.53	24
25	3.03 0.49	4.49 2.11	7.08 5.74	8.04 7.14	3.17 1.07	4.26 2.26	4.62 1.81	4.88 1.54	4.40 1.22	4.04 1.03	3.99 1.53	3.97 1.51	25
26	2.69 0.50	4.87 2.18	6.97 5.34	7.83 6.77	2.69 0.37	4.97 3.06	4.90 1.78	4.79 1.31	4.05 1.02	3.62 0.99	4.16 1.75	3.87 1.20	26
27	2.66 0.26	5.00 2.53	6.89 5.64	7.61 6.50	2.94 0.38	NR NR	4.78 1.70	4.60 1.24	3.66 0.98	3.59 0.96	4.10 1.72	3.57 0.99	27
28	2.83 0.24	5.67 3.72	6.71 4.93	7.33 6.26	3.36 0.72	NR NR	4.73 1.72	3.87 0.88	3.54 1.08	3.65 0.93	4.07 1.51	3.64 0.79	28
29	3.28 0.76	6.30 3.00	6.52 4.68	6.95 6.05		NR NR	4.38 0.95	3.56 1.07	3.56 1.03	3.73 1.07	4.19 1.35	4.11 0.72	29
30	3.70 0.43	6.95 4.10	6.34 4.51	6.75 5.70		NR NR	3.56 0.62	3.63 1.45	3.76 1.20	3.83 1.00	4.24 1.27	3.00 1.01	30
31	3.68 0.59		6.22 4.63	6.51 5.24		NR NR		2.91 1.33		4.05 0.82	2.94 1.28		31
MAXIMUM	4.23	6.95	8.56	8.19	6.28	NR	NR	5.15	4.81	4.85	4.59	4.56	MAXIMUM
MINIMUM	0.21	0.43	4.51	2.94	0.37	NR	0.62	0.66	0.85	0.70	0.79	0.72	MINIMUM

NR - No record.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 14 22	121 30 57	SW 35 5N 4E		12.24	12-25-1964		FEB 1929-DATE	1929	1931	0.00	USED
								1931	1940	0.33	USED
								1940		0.00	USCGS
								1940		2.84	USED
									1964	-0.69	USCGS
								1964		0.00	USCGS

Station located at head of Georgiana Slough, immediately southwest of Walnut Grove. At times, tidal fluctuation is influenced by operation of the Delta Cross Channel gates.

TABLE B-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1971	B91560	YOLO BYPASS NEAR LISBON

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	6.42 2.75	6.61 2.27	10.10 8.98	9.76 9.33	11.53 A 11.12 A	6.48 2.08	11.45 A 11.31 A	6.39 2.06	6.72 4.16	6.35 3.02	5.26 2.40	6.91 2.41	1
2	6.66 2.72	6.76 2.39	10.46 9.91	9.83 9.45	11.12 A 10.40 A	6.29 1.93	11.45 A 11.34 A	5.90 2.01	6.81 4.50	6.55 2.79	6.93 2.50	7.21 2.46	2
3	6.91 2.99	6.73 2.57	11.40 A 10.40 A	9.45 9.06	10.39 A 9.28 A	6.23 1.93	11.35 A 11.16 A	5.97 2.50	7.05 4.64	6.72 2.52	7.22 2.60	6.90 2.27	3
4	6.83 3.11	6.69 2.82	13.51 A 11.42 A	9.27 8.67	9.30 A 7.78 A	6.57 2.33	11.16 A 10.92 A	6.34 2.27	7.27 4.34	6.98 2.44	7.27 2.40	7.05 2.52	4
5	7.13 2.75	6.59 2.84	15.39 A 13.53 A	9.16 8.35	8.13 6.24	5.90 1.65	10.92 A 10.51 A	6.21 2.71	7.25 3.78	7.10 2.30	7.14 2.33	7.14 3.12	5
6	6.83 2.97	6.35 2.69	15.65 A 15.40 A	8.99 8.05	7.66 6.35	5.90 1.69	10.54 A 9.21 A	6.56 2.89	7.28 3.37	7.29 2.37	7.11 2.31	7.10 3.25	6
7	6.17 2.29	6.18 2.77	15.69 A 15.62 A	8.91 8.11	7.50 5.48	6.27 2.05	9.20 7.96	7.01 3.09	7.43 3.41	7.44 2.54	7.01 2.31	6.85 2.57	7
8	6.31 1.97	6.17 2.71	15.70 A 15.67 A	8.48 7.52	7.45 5.09	6.26 2.21	7.47 5.64	7.32 3.71	7.41 2.63	7.43 2.50	6.81 2.22	7.13 2.73	8
9	5.71 2.15	6.41 2.88	15.68 A 15.30 A	8.04 6.41	7.07 4.94	6.32 2.31	7.17 4.86	7.23 3.77	7.63 2.89	7.28 2.43	6.48 2.26	7.28 2.93	9
10	6.53 2.45	6.56 3.09	15.30 A 14.92 A	7.92 5.36	7.01 4.54	6.10 2.64	7.29 4.48	7.55 4.36	7.57 2.51	6.97 2.15	6.54 2.27	7.28 2.84	10
11	6.50 2.58	6.91 3.40	14.92 A 14.79 A	7.95 4.74	6.85 4.36	6.03 2.13	7.19 3.93	8.06 5.09	7.32 2.33	6.65 1.98	6.98 2.97	7.01 2.78	11
12	6.61 2.98	6.70 3.16	14.81 A 14.78 A	7.86 4.75	6.62 4.29	6.97 2.41	7.14 3.43	8.26 5.49	7.21 2.60	6.39 2.04	7.08 3.16	6.85 2.48	12
13	6.76 2.97	6.68 2.65	14.78 A 14.58 A	7.88 5.05	6.65 4.10	6.52 2.93	7.34 3.35	8.02 5.49	6.87 2.35	6.26 2.01	7.06 2.87	5.92 2.37	13
14	6.94 3.18	6.73 2.50	14.57 A 14.07 A	7.41 5.05	6.82 4.11	7.11 4.21	7.17 3.04	7.86 5.42	6.25 1.83	6.68 2.33	7.11 2.60	6.91 2.42	14
15	6.89 3.06	6.83 2.57	14.06 A 13.43 A	7.62 5.20	6.98 4.45	7.17 5.29	7.22 2.91	7.76 5.54	6.23 1.76	6.95 2.90	5.81 2.54	6.86 2.51	15
16	6.94 2.74	6.63 2.70	13.42 A 12.94 A	7.78 6.54	6.83 4.31	7.01 4.89	7.21 3.38	7.11 5.15	5.33 2.13	5.59 2.92	7.14 2.36	6.96 2.74	16
17	6.91 2.68	6.32 2.59	12.94 A 12.39 A	9.45 A 7.38 A	7.09 4.41	6.79 4.24	6.98 2.74	6.63 5.27	6.55 2.74	7.21 2.95	7.10 2.36	7.16 2.97	17
18	6.74 2.53	5.92 2.93	12.39 A 11.99 A	10.61 A 9.48 A	6.67 3.92	6.46 3.74	6.20 2.08	6.66 5.07	7.03 2.75	7.17 2.31	6.97 2.32	6.96 2.85	18
19	6.84 2.33	5.67 2.72	11.99 A 11.61 A	11.76 A 10.62 A	6.80 3.27	6.59 3.57	6.23 2.67	7.34 4.81	7.18 2.48	7.27 2.39	7.05 2.62	6.60 2.76	19
20	6.50 2.55	5.67 2.71	11.60 A 11.20 A	12.89 A 11.77 A	6.23 2.86	6.71 3.16	6.67 2.78	7.57 4.71	7.24 2.25	7.40 2.58	6.97 2.54	6.81 3.00	20
21	6.23 2.33	5.93 2.77	11.24 A 11.16 A	15.02 A 12.91 A	6.85 2.84	6.97 3.30	6.55 2.44	7.70 4.16	7.25 2.17	7.41 2.64	6.70 2.47	6.70 3.11	21
22	5.83 2.46	6.09 2.79	11.16 A 11.03 A	15.23 A 15.01 A	7.27 2.94	7.04 3.18	6.57 2.60	7.74 3.83	7.32 2.56	7.28 2.57	6.58 2.54	6.64 3.15	22
23	5.86 2.20	6.06 2.81	11.03 A 10.83 A	15.22 A 14.90 A	7.05 3.63	7.13 3.24	6.72 2.56	8.12 3.98	7.41 2.36	7.18 2.57	6.32 2.33	6.74 2.88	23
24	5.85 2.34	6.38 3.09	10.84 A 10.54 A	14.90 A 14.46 A	7.31 2.93	7.13 3.52	6.92 2.24	8.14 3.37	7.27 2.40	6.95 2.52	6.42 2.60	7.07 3.13	24
25	5.87 2.30	6.93 3.38	10.54 A 10.09 A	14.45 A 13.93 A	6.34 3.06	7.14 3.65	6.95 2.26	7.91 3.08	7.06 2.44	6.76 2.52	6.65 3.04	6.70 3.02	25
26	5.61 2.29	7.28 4.32	10.16 A 9.71 A	13.93 A 13.39 A	5.99 2.23	7.48 4.29	7.39 2.38	7.62 2.59	6.74 2.26	6.37 2.47	6.85 3.37	6.66 2.73	26
27	5.54 2.07	7.44 3.27	9.99 9.65	13.39 A 12.90 A	6.22 2.33	8.48 4.58	7.24 2.33	7.43 2.61	6.35 2.30	6.31 2.45	6.76 3.29	6.33 2.54	27
28	5.69 2.10	8.05 4.07	9.77 9.32	12.89 A 12.50 A	6.61 2.70	9.54 9.03	7.28 2.58	6.67 2.04	6.17 2.00	6.32 2.69	6.77 2.95	6.44 2.46	28
29	6.13 2.79	9.16 3.90	9.57 8.89	12.50 A 12.17 A		10.11 9.42	7.01 2.22	6.42 2.20	6.17 2.18	6.39 2.92	6.90 2.77	5.87 2.37	29
30	6.55 2.28	9.69 7.68	9.55 8.77	12.16 A 11.86 A		10.62 10.08	6.38 1.85	6.81 3.65	5.13 2.63	6.49 2.77	6.94 2.58	6.86 2.60	30
31	6.43 2.44		9.75 9.03	11.85 A 11.53 A		11.31 A 10.59 A		6.13 4.02		6.75 2.54	5.72 2.50		31
MAXIMUM	7.13	9.69	15.70 A	15.23 A	11.53 A	11.31 A	11.45 A	8.26	7.63	7.44	7.27	7.28	MAXIMUM
MINIMUM	1.97	2.27	8.77	4.74	2.23	1.65	1.85	2.01	1.76	1.98	2.22	2.27	MINIMUM

NR - No record.
A - High flows affected the normal tidal pattern. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 28 30	121 35 14	SE 1 7N 3E					FEB 1959-DATE	1959	1962	0.43	USED
								1962		0.00	USED
								1962		-3.04	USCGS
									1964	-3.39	USCGS
								1964		-3.00	USCGS

Station located in West Cut, 6.9 miles south of U. S. Highway 40, 5.2 miles northwest of Clarksburg.

TABLE B-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1971	B91210	SACRAMENTO RIVER AT RIO VISTA

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	6.38 2.50	6.72 3.60	8.08 3.10	6.52 2.01	6.88 2.70	6.16 1.38	6.52 1.86	6.16 1.70	5.98 2.01	6.72 3.02	7.12 2.40	7.30 2.10	1
2	6.64 2.70	6.88 1.78	7.80 3.20	6.48 2.20	6.94 2.48	5.92 1.18	6.10 1.80	5.76 1.70	6.32 2.70	6.88 2.70	7.34 2.34	7.24 2.20	2
3	6.96 3.70	6.88 1.98	7.28 2.74	5.94 1.70	6.70 2.10	5.92 1.22	5.90 1.80	6.00 2.04	6.54 2.60	7.08 2.40	5.70 2.30	7.06 1.94	3
4	6.88 2.80	6.60 2.10	6.78 2.90	6.36 2.01	6.66 1.98	6.28 1.68	5.78 1.90	5.20 2.00	6.58 2.32	5.26 2.30	7.50 2.20	7.08 2.10	4
5	7.10 2.50	6.44 2.00	6.54 2.48	6.68 2.18	6.72 1.90	5.68 0.98	6.04 2.40	5.94 2.48	6.72 2.14	7.26 2.20	7.40 2.10	7.14 2.70	5
6	6.86 2.58	6.14 1.98	6.82 2.70	6.70 1.90	6.82 1.90	5.62 0.98	6.20 2.40	6.36 2.60	6.86 2.08	7.50 2.24	7.40 2.10	6.94 2.72	6
7	6.32 2.08	5.88 2.00	7.28 3.10	6.94 1.88	6.78 1.86	5.96 1.40	6.28 2.50	6.70 2.50	7.14 2.18	7.68 2.34	7.28 2.10	6.84 2.40	7
8	6.38 1.70	5.94 1.90	7.72 3.60	7.14 1.98	6.74 1.90	5.94 1.50	6.18 2.50	6.68 2.16	7.30 2.10	7.60 2.10	7.00 2.10	7.18 2.40	8
9	6.60 1.86	6.30 2.18	7.86 3.01	7.34 2.10	6.28 1.60	5.94 1.70	6.22 2.40	6.60 1.80	7.46 2.28	7.50 2.06	6.60 2.16	7.34 2.54	9
10	6.62 2.24	6.64 2.26	7.62 2.74	7.42 2.28	6.14 1.70	5.84 1.70	6.54 2.28	6.86 1.90	7.48 1.98	7.18 1.84	6.74 2.30	7.30 2.50	10
11	6.22 2.30	6.96 2.20	7.56 2.64	7.50 2.40	6.00 1.88	5.70 1.90	6.50 2.00	7.20 2.20	7.28 1.98	6.90 1.80	7.16 2.98	7.04 2.40	11
12	6.66 2.70	6.88 1.80	7.64 2.70	7.32 2.70	5.76 2.00	6.70 2.60	6.52 1.90	7.22 2.10	7.10 2.00	6.52 1.84	7.28 2.94	6.88 2.18	12
13	6.80 2.80	6.90 1.60	7.70 2.70	7.24 4.28	5.84 2.88	6.14 2.40	6.78 2.10	7.04 1.90	6.74 1.80	6.48 1.98	7.30 2.70	6.94 2.08	13
14	7.00 2.70	6.90 1.68	7.40 4.78	6.66 2.50	6.06 2.30	5.92 2.10	6.80 2.08	6.88 1.82	6.14 1.60	6.94 2.40	7.32 2.48	6.96 2.24	14
15	7.00 2.40	6.98 3.80	7.08 2.50	6.22 2.30	6.28 2.80	5.90 1.86	6.80 2.08	6.76 2.01	6.34 1.74	7.22 3.12	7.32 2.30	6.20 2.30	15
16	7.14 3.30	6.74 1.78	7.34 2.80	6.00 2.28	6.18 2.70	6.00 1.90	6.80 2.30	5.92 1.22	6.74 2.20	7.50 2.84	7.24 2.20	7.04 2.60	16
17	7.06 2.30	6.36 1.70	6.68 2.94	6.00 2.36	6.54 2.70	6.04 1.72	6.68 2.34	5.76 1.20	7.22 2.70	7.40 2.70	5.84 2.10	7.24 2.94	17
18	6.84 2.20	6.06 1.70	6.64 2.70	6.14 2.60	6.10 2.08	5.92 1.60	5.88 1.62	6.22 1.60	7.34 2.62	7.52 2.10	7.20 2.20	7.00 2.80	18
19	6.82 1.98	5.64 1.78	6.48 2.60	6.34 3.01	6.32 1.60	6.00 1.70	5.88 1.98	5.66 2.04	5.52 2.28	5.86 2.20	7.34 2.50	6.66 2.74	19
20	6.42 2.10	5.72 1.78	6.62 3.00	6.54 2.78	6.04 1.46	6.26 1.78	6.24 2.20	5.48 2.60	7.46 2.08	7.68 2.38	7.06 2.34	6.82 3.10	20
21	6.10 1.98	6.02 2.14	7.14 3.90	6.68 2.60	6.36 1.50	6.36 1.70	6.30 2.00	7.22 2.40	7.50 2.00	7.70 2.42	6.84 2.30	6.78 2.90	21
22	5.72 2.22	6.16 2.34	6.78 3.10	6.92 2.66	6.86 1.84	6.42 1.76	6.34 2.20	7.14 2.04	7.50 2.14	7.54 2.30	6.62 2.40	6.70 2.70	22
23	5.80 1.90	6.16 2.44	6.54 2.60	7.22 2.60	6.74 1.60	6.50 1.84	6.58 2.20	7.56 2.20	7.50 2.01	7.38 2.34	6.28 2.38	6.78 3.70	23
24	5.72 2.10	6.50 2.50	6.90 2.40	7.50 2.58	6.72 1.98	6.54 1.98	6.96 1.96	7.64 2.10	7.32 2.06	7.12 2.30	6.48 2.70	6.98 2.78	24
25	5.86 2.12	7.04 2.70	6.92 2.20	7.42 2.38	6.00 1.20	6.48 2.30	7.08 1.78	7.64 2.10	7.18 2.01	6.88 2.38	6.76 3.00	6.74 2.70	25
26	5.56 2.10	7.34 2.56	7.26 2.20	7.30 2.28	5.46 1.42	6.86 2.60	7.40 1.80	7.50 1.90	6.74 1.96	6.44 2.48	6.90 3.28	6.62 2.40	26
27	5.50 1.78	7.44 2.90	7.62 2.34	7.26 2.30	5.62 1.80	6.84 2.38	7.30 1.80	7.30 1.98	6.40 2.01	6.42 2.50	6.84 3.10	6.28 2.20	27
28	5.80 1.70	7.98 2.78	7.70 2.50	6.94 3.52	6.10 2.01	6.96 2.18	7.28 1.90	6.56 1.40	6.22 1.98	6.48 2.78	6.78 2.80	6.40 2.10	28
29	6.20 1.80	8.22 3.00	7.58 4.30	6.48 2.28		7.22 2.30	6.90 1.68	6.22 1.68	6.24 2.20	6.56 3.10	6.84 2.60	6.94 1.94	29
30	6.70 1.90	8.32 4.90	7.26 2.24	6.32 2.20		7.62 2.70	6.28 1.48	6.10 1.94	6.48 2.70	6.66 2.80	6.98 2.40	6.36 2.30	30
31	6.60 1.70		6.90 2.10	6.58 2.30		6.90 1.88		5.88 1.80		6.92 2.54	7.02 2.20		31
MAXIMUM	7.14	8.32	8.08	7.50	6.94	7.62	7.40	7.64	7.50	7.70	7.50	7.34	MAXIMUM
MINIMUM	1.70	1.60	2.10	1.70	1.20	0.98	1.48	1.20	1.60	1.80	2.10	1.94	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 08 42	121 41 30	SW 31 4N 3E		10.2	12-26-1955		1925-DATE	1925		0.00	USED
								1961		-0.57	USED
								1961		-3.63	USCGS
									1964	-3.80	USCGS
								1964		-3.00	USCGS

Station located on dock at U. S. Engineers Transportation Depot, 1.1 miles below State Highway 12 bridge.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1971	B91110	SACRAMENTO RIVER AT COLLINSVILLE

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	5.70 2.14	6.05 1.39	7.30 4.53	5.74 1.54	6.12 2.25	5.47 1.03	5.75 1.30	5.41 1.26	5.17 1.60	5.94 2.52	6.34 1.91	6.50 1.59	1
2	5.97 2.20	6.20 3.58	7.05 5.07	5.78 1.75	6.20 1.97	5.25 0.92	5.34 1.23	5.00 1.25	5.53 2.23	6.07 2.21	6.55 1.86	5.07 1.75	2
3	6.20 2.25	6.21 1.53	6.52 2.21	5.22 1.27	5.99 1.62	5.23 0.93	5.18 1.34	5.20 1.52	5.78 2.17	6.29 1.94	6.70 1.83	6.28 1.57	3
4	6.16 3.47	5.96 1.74	6.00 2.43	5.59 1.64	5.93 1.45	5.55 1.16	5.04 1.40	5.20 1.57	5.90 1.85	6.46 1.78	4.93 1.72	6.30 1.75	4
5	6.31 2.04	5.80 1.67	5.74 1.92	5.94 1.70	5.97 1.41	5.01 0.92	5.25 1.79	5.57 2.05	4.43 1.64	4.80 1.73	6.59 1.63	6.33 2.21	5
6	6.16 2.12	5.51 1.60	6.00 2.11	5.96 1.43	6.08 1.47	4.97 0.92	5.26 1.81	5.93 2.16	6.04 1.55	6.70 1.72	6.64 1.68	6.15 2.27	6
7	5.68 1.71	5.19 1.62	6.45 2.53	6.21 1.39	6.05 1.38	5.23 0.97	5.44 1.96	5.83 1.36	6.31 1.61	6.91 1.78	6.50 1.69	6.09 2.02	7
8	5.72 1.33	5.25 1.55	6.92 2.89	6.41 1.48	5.99 1.44	5.28 1.09	5.34 2.06	6.38 1.48	6.53 1.54	6.78 1.58	6.19 1.69	6.41 2.48	8
9	5.96 1.46	5.62 1.85	7.05 2.38	6.61 1.61	5.56 1.15	5.23 1.23	5.42 1.95	5.88 1.46	6.67 1.61	6.68 1.47	5.80 1.73	6.55 2.12	9
10	5.90 1.85	5.93 1.91	6.83 2.07	6.71 1.81	5.44 1.27	5.13 1.34	5.74 1.79	6.12 1.58	6.71 1.53	6.35 1.36	5.93 1.96	6.50 2.06	10
11	5.47 1.94	6.23 1.84	6.76 1.94	6.76 1.93	5.28 1.50	5.05 1.59	5.64 1.57	6.43 1.70	6.52 1.47	6.10 1.37	6.31 2.54	6.26 1.93	11
12	5.88 2.16	6.21 1.44	6.86 2.03	6.59 2.17	5.04 1.58	5.95 2.27	5.72 1.47	6.41 1.52	6.34 1.42	5.78 1.46	6.41 2.50	6.12 1.72	12
13	6.03 2.35	6.20 1.26	6.92 2.04	6.50 2.03	5.09 1.91	5.40 2.02	5.94 1.64	6.24 1.37	5.91 1.31	5.70 1.62	6.50 2.20	6.19 1.65	13
14	6.26 2.13	6.20 1.29	6.62 1.90	5.94 1.88	5.32 2.35	5.18 1.74	6.06 1.57	6.11 1.29	5.39 1.15	6.10 2.04	6.53 2.02	6.21 1.82	14
15	6.30 1.90	6.28 1.36	6.38 4.06	5.51 3.47	5.48 2.42	5.15 1.41	6.03 1.51	5.94 1.34	5.54 1.33	6.38 2.55	6.51 1.85	5.44 1.92	15
16	6.36 1.78	6.04 3.57	6.56 2.20	5.24 1.82	5.47 2.31	5.25 1.46	5.97 1.66	5.15 0.82	5.96 1.84	6.62 2.30	6.47 1.73	6.23 2.14	16
17	6.34 3.42	5.66 1.32	5.95 2.32	5.24 1.91	5.81 2.28	5.40 1.29	5.93 1.62	4.92 0.83	6.43 2.31	6.58 2.10	5.02 1.72	6.39 2.43	17
18	6.15 1.70	5.37 1.29	5.88 2.21	5.38 2.24	5.37 1.61	5.31 1.21	5.14 1.07	5.34 1.20	6.53 2.07	6.73 1.70	6.43 1.74	6.21 2.44	18
19	6.12 1.58	4.93 1.39	5.76 2.15	5.60 2.57	5.61 1.22	5.32 1.25	5.17 1.36	5.76 1.56	6.61 1.76	5.03 1.70	6.49 1.99	5.88 2.35	19
20	5.75 1.72	5.00 1.41	5.91 2.49	5.83 2.26	5.42 1.01	5.58 1.32	5.43 1.59	6.33 2.16	4.77 1.58	6.85 1.84	6.25 1.84	5.95 2.60	20
21	5.51 1.58	5.28 1.75	6.42 3.46	5.97 2.01	5.67 1.01	5.55 1.23	5.07 1.44	4.69 2.00	6.69 1.54	6.85 1.88	6.01 1.85	5.97 2.38	21
22	5.04 1.84	5.43 1.97	6.07 2.61	6.20 1.96	6.07 1.37	5.65 1.24	5.47 1.71	6.35 1.61	6.76 1.53	6.70 1.84	5.81 1.94	5.90 2.21	22
23	5.14 1.55	5.40 2.08	5.82 2.13	6.46 1.88	6.10 1.23	5.79 1.38	5.78 1.68	6.73 1.72	6.75 1.51	6.51 1.84	5.52 2.04	5.92 3.26	23
24	5.06 1.70	5.78 2.17	6.21 1.93	6.72 1.85	5.98 1.36	5.76 1.53	6.13 1.45	6.86 1.57	6.61 1.51	6.33 1.82	5.66 2.32	6.14 2.18	24
25	5.15 1.74	6.30 2.34	6.19 1.66	6.65 1.68	5.38 0.93	5.74 1.87	6.28 1.34	6.78 1.49	6.33 1.51	6.02 1.90	5.92 2.52	5.98 2.32	25
26	4.94 1.78	6.58 2.12	6.53 1.72	6.51 1.63	4.80 0.98	6.09 2.24	6.63 1.38	6.76 1.40	5.99 1.51	5.61 1.99	6.09 2.72	5.87 1.98	26
27	4.85 1.44	6.73 2.54	6.88 1.79	6.48 1.66	4.86 1.42	6.03 1.92	6.50 1.28	6.53 1.55	5.65 1.56	5.57 2.06	6.00 2.56	5.57 1.83	27
28	5.05 1.36	7.26 2.37	6.94 2.00	6.19 1.68	5.40 1.55	6.12 1.67	6.48 1.28	5.89 1.02	5.38 1.56	5.65 2.29	5.96 2.20	5.68 1.63	28
29	5.56 1.50	7.49 2.52	6.83 1.69	5.70 1.63		6.39 1.77	6.11 1.12	5.51 1.21	5.43 1.80	5.71 2.59	6.06 2.04	6.18 1.55	29
30	6.02 1.57	7.53 2.62	6.46 3.51	5.54 2.50		6.72 2.02	5.56 1.02	5.26 1.44	5.66 2.30	5.89 2.30	6.22 1.84	5.67 1.87	30
31	5.93 1.38		6.14 1.57	5.79 1.79		6.12 1.33		5.13 1.34		6.14 2.06	6.24 1.72		31
MAXIMUM	6.36	7.53	7.30	6.76	6.20	6.72	6.63	6.86	6.76	6.91	6.70	6.55	MAXIMUM
MINIMUM	1.33	1.26	1.57	1.27	0.93	0.92	1.02	0.82	1.15	1.36	1.63	1.55	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 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 04 25	121 51 18	SW 27 3N 1E		9.2	4-6-1958		JUNE 1929-DATE	1929		0.00	USED
								1929		-3.05	USCGS
									1964	-3.54	USCGS
								1964		-3.00	USCGS

Station located 0.4 mile southwest of Collinsville, 3.3 miles northesst of Pittsburg.

TABLE B-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1971	B95820	SAN JOAQUIN RIVER AT MOSSDALE BRIDGE

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	3.00 1.09	3.44 1.69	5.01 3.34	5.26 4.68	4.55 3.63	3.30 2.11	3.46 1.52	2.98 0.80	2.57 0.92	3.07 1.36	NR NR	3.36 0.75	1
2	3.31 1.24	3.61 1.75	4.99 3.27	5.53 4.69	4.66 3.80	2.97 1.76	3.16 1.31	2.44 0.87	2.58 1.06	3.28 1.22	NR NR	3.62 1.02	2
3	3.70 1.41	3.70 1.87	4.37 2.99	5.14 4.67	4.89 3.84	2.89 1.54	2.95 1.23	2.44 1.10	2.86 1.24	3.42 1.03	NR NR	3.06 0.89	3
4	3.62 1.55	3.44 1.91	4.05 3.02	5.15 4.60	4.81 4.01	3.23 1.73	2.72 1.80	2.59 1.01	3.07 1.15	3.68 1.05	NR NR	2.87 0.85	4
5	3.91 1.41	3.51 1.78	3.82 2.71	5.30 4.66	4.66 3.87	3.03 2.15	2.75 1.15	2.56 1.13	3.23 1.16	3.74 1.12	NR NR	3.31 1.29	5
6	4.09 1.92	2.89 1.92	4.54 3.09	5.27 4.65	4.69 3.73	2.71 1.48	2.58 1.25	2.77 1.36	3.34 1.08	4.00 1.14	3.30 0.55	3.18 1.37	6
7	3.57 2.31	3.26 1.94	4.94 3.85	4.93 4.36	4.52 3.77	2.87 1.34	2.63 1.14	3.08 1.43	3.67 1.29	4.08 1.17	3.14 0.50	2.98 1.08	7
8	2.65 1.94	2.93 1.91	5.35 4.27	4.82 3.90	4.61 3.74	2.97 1.63	2.62 1.36	3.08 1.31	3.73 1.24	3.84 1.07	2.88 0.60	3.11 1.04	8
9	3.58 2.02	3.19 1.93	5.33 4.26	4.87 3.77	4.37 3.69	2.97 1.77	2.62 1.33	3.17 1.60	3.83 1.42	3.78 1.09	2.45 0.46	3.50 1.14	9
10	3.70 2.16	3.41 2.04	4.88 3.69	4.89 3.81	4.30 3.60	2.83 1.68	3.01 1.45	3.60 1.90	4.04 1.59	3.40 0.81	2.52 0.44	3.55 1.11	10
11	3.68 2.29	3.53 2.02	4.47 2.98	4.88 3.80	4.20 3.53	2.54 1.46	2.98 1.41	3.91 1.93	3.91 1.85	3.20 0.76	2.03 0.66	2.42 0.95	11
12	3.75 2.48	3.73 2.19	4.68 2.71	4.66 3.74	4.24 3.61	3.04 1.46	3.07 1.41	4.02 1.80	3.90 1.85	2.82 0.67	2.87 0.76	3.45 0.86	12
13	3.81 2.38	3.26 1.65	4.88 3.12	4.81 3.63	4.29 3.77	2.93 1.94	3.30 1.27	3.76 1.48	3.57 1.73	2.42 0.51	3.06 0.67	3.42 0.92	13
14	3.70 2.54	3.26 1.09	4.72 3.31	4.90 3.72	4.21 3.69	2.87 1.94	3.45 1.54	3.64 1.37	3.13 1.43	2.49 0.55	3.29 0.59	3.46 1.02	14
15	3.96 2.51	3.46 1.09	4.34 3.41	5.02 4.21	3.98 3.33	2.93 2.00	3.74 1.63	3.51 1.28	2.74 1.63	2.89 0.85	3.45 0.62	3.49 0.98	15
16	4.10 2.60	3.42 1.18	5.01 3.53	4.95 4.55	3.87 3.10	3.12 2.20	3.50 1.58	2.82 0.80	3.12 1.93	3.26 0.91	3.48 0.79	3.44 1.13	16
17	4.13 2.73	3.13 1.09	4.74 3.84	4.76 4.36	4.42 3.52	3.42 2.30	3.81 1.81	2.57 0.98	3.50 2.03	3.63 0.92	3.38 0.66	3.64 1.40	17
18	3.91 2.64	3.01 0.95	4.72 3.77	4.49 3.97	4.31 3.45	3.16 1.88	3.25 1.60	2.39 1.25	3.88 2.14	3.57 0.67	3.18 0.69	3.38 1.34	18
19	3.91 2.36	2.65 0.89	4.87 4.12	4.54 3.80	4.65 3.41	3.28 1.74	3.14 1.73	2.68 1.49	3.99 2.06	3.87 0.92	3.23 0.88	3.10 1.23	19
20	3.60 2.25	2.35 0.72	5.03 4.34	4.75 3.89	4.42 3.50	3.49 2.37	3.19 1.94	3.00 1.75	4.22 2.27	3.85 0.96	3.10 0.78	2.98 1.23	20
21	3.27 2.05	2.44 0.77	5.64 4.79	4.87 3.97	4.34 3.14	3.38 1.73	3.14 2.03	3.56 1.48	4.30 2.35	3.78 0.92	2.78 0.57	3.08 1.23	21
22	2.86 1.86	2.53 0.83	5.61 4.92	5.02 4.04	4.55 3.38	3.30 1.59	2.93 1.63	3.33 1.29	4.31 2.15	NR NR	2.64 0.72	3.14 1.26	22
23	2.89 1.70	2.54 0.89	5.72 5.06	5.14 4.14	4.50 3.50	3.15 1.67	2.88 1.34	3.68 1.34	4.19 1.99	NR NR	2.50 0.62	2.91 1.15	23
24	2.87 1.75	2.87 1.16	7.09 5.18	5.41 4.19	4.20 3.24	3.05 1.68	3.20 1.37	3.87 1.38	4.01 1.79	NR NR	2.60 0.74	3.69 1.15	24
25	2.93 1.71	3.36 1.36	5.79 5.14	5.39 4.47	3.72 3.07	2.81 1.73	3.18 1.30	3.85 1.41	3.76 1.62	NR NR	2.74 0.90	3.31 1.33	25
26	2.78 1.73	3.92 1.63	5.94 5.08	5.21 4.42	3.14 2.63	3.64 1.85	3.59 1.30	3.79 1.19	3.54 1.62	NR NR	3.26 1.05	3.22 1.06	26
27	2.42 1.50	3.55 1.73	6.07 5.15	4.98 4.21	3.06 2.30	3.79 2.66	3.49 1.15	3.68 0.93	3.19 1.49	NR NR	3.34 1.01	2.31 1.01	27
28	2.30 0.59	4.24 1.49	6.10 5.17	4.68 4.02	3.21 2.32	3.80 2.58	3.58 1.16	3.08 0.66	2.96 1.72	NR NR	1.72 0.89	3.28 1.08	28
29	2.97 0.53	4.77 2.17	5.93 5.15	4.34 3.81		3.90 2.54	3.34 0.89	2.90 0.97	3.23 2.48	NR NR	3.35 0.77	3.37 1.70	29
30	3.30 1.66	5.12 2.91	5.73 5.01	4.08 3.58		4.27 2.70	3.03 0.64	2.82 1.26	3.45 1.36	NR NR	3.65 0.79	3.80 2.29	30
31	3.30 1.77		5.44 4.85	4.12 3.44		3.94 2.11		2.71 1.13		NR NR	3.51 0.86		31
MAXIMUM	4.13	5.12	7.09	5.53	4.89	4.27	3.81	4.02	4.31	NR	NR	3.80	MAXIMUM
MINIMUM	0.53	0.72	2.71	3.44	2.30	1.34	0.64	0.66	0.92	NR	NR	0.75	MINIMUM

NR - No record.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 47 12	121 18 21	SW 3 2S 6E		24.4	12-10-1950		1920-DATE	1920	1943	5.16	USED
								1943		0.00	USCGS
								1943		3.27	USED
									1964	-0.17	USCGS
								1964		0.00	USCGS

Station located on U. S. Highway 50 bridge, 3.0 miles southwest of Lathrop.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1971	B95740	SAN JOAQUIN RIVER AT BRANDT BRIDGE

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	6.07 3.18	6.49 2.97	7.91 4.71	NR NR	6.76 3.88	6.07 3.03	6.32 2.75	5.98 2.54	5.62 2.54	6.10 3.37	6.62 2.80	6.80 2.90	1
2	6.34 3.18	6.67 3.01	7.79 4.74	NR NR	6.92 4.04	5.73 2.51	6.02 2.62	5.44 2.49	5.64 3.10	6.34 3.12	6.74 2.86	7.00 3.14	2
3	6.72 3.40	6.72 3.16	7.12 4.36	NR NR	6.83 3.96	5.75 2.42	5.82 2.63	5.44 2.76	5.95 3.13	6.50 3.00	7.03 2.91	6.64 2.95	3
4	6.65 3.50	6.40 3.26	6.62 4.31	NR NR	6.76 3.83	6.25 2.82	5.60 2.58	5.65 2.67	6.16 3.00	6.74 2.98	7.08 2.92	6.55 2.99	4
5	6.88 3.23	6.42 3.02	6.49 3.90	NR NR	6.77 4.80	5.77 2.33	5.77 3.03	5.62 2.91	6.31 2.98	6.90 3.00	6.92 2.88	6.59 3.55	5
6	6.90 3.40	6.14 3.11	6.79 3.84	6.84 4.10	6.85 3.78	5.58 2.22	5.72 2.97	5.87 3.20	6.43 2.95	7.11 3.03	6.82 2.83	6.47 3.53	6
7	6.37 3.43	5.80 3.11	7.09 4.22	6.96 4.77	6.75 3.83	5.82 3.50	5.68 3.50	6.16 3.21	6.74 3.04	7.24 3.10	6.67 2.83	6.31 3.25	7
8	6.41 2.96	5.80 3.03	7.58 4.71	7.10 3.90	6.74 3.74	5.84 2.59	5.69 3.12	6.16 2.96	6.87 3.03	7.10 3.05	6.41 2.84	6.66 3.23	8
9	5.64 3.06	6.08 3.15	7.79 5.06	7.26 3.91	6.30 3.78	5.82 2.72	5.70 2.98	6.16 2.88	6.98 3.19	7.00 3.04	6.06 2.76	6.89 3.36	9
10	6.56 3.41	6.34 3.46	7.52 4.48	7.29 4.00	6.16 3.55	5.73 2.85	6.05 3.11	6.46 3.08	7.12 3.12	6.73 2.78	6.07 2.79	6.94 3.34	10
11	6.51 3.51	6.52 3.38	7.29 3.92	7.29 4.07	5.99 3.55	5.51 2.80	5.99 2.96	6.82 3.26	6.96 3.12	6.41 2.74	6.50 3.21	6.77 3.19	11
12	6.58 3.85	6.68 3.45	7.40 3.73	7.17 4.14	5.86 3.60	6.16 2.81	6.08 2.84	6.95 3.25	6.85 3.23	6.05 2.61	6.65 3.26	5.52 2.95	12
13	6.67 3.86	6.43 3.32	7.55 3.92	7.16 4.15	5.89 3.70	5.83 3.42	6.33 2.93	6.72 2.93	6.49 3.12	5.87 2.58	5.16 3.08	6.67 2.92	13
14	6.66 3.99	6.43 2.72	7.30 4.00	6.73 4.14	6.08 3.85	5.60 2.97	6.46 3.08	6.58 2.89	6.05 2.70	5.29 2.82	6.79 2.93	6.71 3.09	14
15	6.85 3.86	6.60 2.72	6.55 3.91	6.47 4.25	6.25 3.95	5.63 2.93	6.63 3.09	6.46 3.04	5.73 2.72	6.30 3.35	6.89 2.89	6.66 3.11	15
16	6.97 3.75	6.47 2.81	7.36 4.03	6.28 4.31	6.17 3.78	5.78 3.05	6.54 3.23	5.78 2.32	6.00 3.02	6.62 3.25	6.92 2.91	6.70 3.40	16
17	7.00 3.73	6.16 2.73	6.76 4.32	6.25 4.18	6.63 4.06	6.08 3.22	6.68 3.37	5.39 2.32	6.40 3.55	7.01 3.18	6.81 2.86	6.90 3.70	17
18	6.78 3.62	6.01 2.60	6.43 4.12	6.25 4.05	6.26 3.52	5.89 2.69	5.92 2.69	5.32 2.53	6.84 3.52	6.90 2.81	6.70 2.91	6.71 3.61	18
19	6.80 3.37	5.51 2.60	6.67 4.20	6.45 4.08	6.81 3.59	6.03 2.68	5.82 2.94	5.67 2.85	6.99 3.33	7.07 2.96	6.78 3.17	6.30 3.48	19
20	6.44 3.34	5.42 2.47	6.73 4.41	6.72 4.17	6.55 3.37	6.30 2.82	5.99 3.28	6.11 3.34	7.11 3.36	7.17 3.11	6.53 3.02	6.46 3.52	20
21	6.14 3.17	5.62 2.62	7.34 5.00	6.88 4.11	6.51 3.41	6.20 2.82	6.00 3.09	6.80 3.38	7.19 3.37	7.18 3.17	6.30 2.95	6.47 3.70	21
22	5.72 3.08	5.71 2.75	7.10 4.96	7.06 5.01	6.93 4.49	6.17 2.89	5.85 3.10	6.54 2.99	7.26 3.40	7.02 3.07	6.13 3.04	6.40 3.61	22
23	5.74 2.91	5.70 2.81	6.95 4.77	7.29 4.18	6.89 3.73	6.14 2.97	5.93 3.03	6.90 3.19	7.17 3.25	6.82 3.02	5.86 2.91	6.44 3.42	23
24	5.72 3.10	6.02 3.15	7.23 5.29	7.55 4.22	6.67 3.59	6.11 3.53	6.33 3.11	7.06 3.16	7.01 3.14	6.59 2.97	6.01 3.10	6.78 3.37	24
25	5.81 3.04	6.50 3.65	7.21 4.69	7.46 4.39	6.17 3.70	5.83 3.05	6.36 2.88	7.06 3.22	6.80 3.16	6.44 3.02	6.29 3.41	6.58 3.46	25
26	5.61 3.10	7.04 3.44	7.46 4.57	7.28 4.32	5.52 3.18	6.35 3.16	6.68 2.90	7.02 3.01	6.53 2.98	6.06 2.99	6.58 3.59	6.54 3.12	26
27	5.38 2.90	6.74 3.44	7.77 4.68	7.15 4.22	5.59 2.95	6.50 3.71	6.63 2.88	6.83 2.74	6.18 2.99	5.90 2.94	6.63 3.55	6.34 3.00	27
28	5.41 2.48	7.40 3.17	7.82 4.75	6.84 4.14	5.92 3.22	6.52 3.56	6.68 2.86	6.22 2.42	5.96 2.89	5.98 2.94	6.63 3.28	5.56 2.85	28
29	5.96 2.45	7.84 3.88	7.66 4.81	6.40 4.01		6.75 3.57	6.42 2.66	5.95 2.57	5.36 3.16	6.12 3.25	6.78 3.05	6.43 3.04	29
30	6.31 2.97	7.98 4.49	NR NR	6.20 3.82		7.22 4.02	6.03 2.37	5.80 2.83	6.15 3.12	4.62 2.99	5.40 2.93	6.86 3.63	30
31	6.36 3.11		NR NR	6.40 3.73		6.73 3.19		5.82 2.53		6.31 2.82	6.85 2.98		31
MAXIMUM	7.00	7.98	NR	NR	6.93	7.22	6.68	7.06	7.26	7.24	7.08	7.00	MAXIMUM
MINIMUM	2.45	2.47	NR	NR	2.95	2.22	2.37	2.32	2.54	2.58	2.76	2.85	MINIMUM

NR - No record.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 51 53	121 19 18	NW 9 1S 6E		19.5	12-10-1950		JULY 40-SEPT 66	1940	1952	-3.61	USCGS
							JAN 68-DATE	1952		-3.79	USCGS
								1952		-0.58	USED
									1964	-3.34	USCGS
								1964		-3.00	USCGS

Station located on Bowman Road between Roberts Island and Reclamation District 17. Maximum of record is maximum recorded stage -- record not complete in December 1955. Station was discontinued October 1, 1966, and reactivated January 2, 1968.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1971	B95660	STOCKTON SHIP CHANNEL AT BURNS CUTOFF

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	6.23 2.78	6.61 2.10	7.89 3.47	NR NR	6.58 2.76	6.07 2.05	6.38 2.00	6.15 1.98	5.77 2.09	6.30 2.98	5.20 2.54	7.68 2.43	1
2	6.50 2.72	6.80 2.12	7.73 3.60	NR NR	6.76 2.66	5.75 1.51	6.07 1.92	5.62 1.92	5.82 2.82	6.55 2.70	7.01 2.54	7.20 2.60	2
3	6.87 2.94	6.83 2.28	7.04 3.07	NR NR	6.61 2.33	5.80 1.52	5.88 1.98	5.63 2.21	6.16 2.71	6.73 2.56	7.25 2.57	6.89 2.40	3
4	6.79 3.00	6.50 2.40	6.54 3.08	NR NR	6.58 2.22	6.36 1.98	5.66 1.98	5.83 2.16	6.39 2.50	6.95 2.47	7.36 2.65	6.82 2.57	4
5	7.02 2.71	6.43 2.17	NR NR	NR NR	6.61 2.21	5.72 1.36	5.92 2.55	5.81 2.49	6.56 2.41	7.14 2.50	7.23 2.56	6.85 3.05	5
6	6.84 2.74	6.11 2.21	NR NR	6.55 2.21	6.70 2.28	5.61 1.33	5.91 2.52	6.07 2.73	6.68 2.38	7.36 2.50	7.17 2.50	6.68 3.05	6
7	6.31 2.45	5.79 2.22	NR NR	6.75 2.24	6.61 3.97	5.89 1.74	5.90 2.62	6.37 2.68	6.98 2.44	7.52 2.61	7.03 2.53	6.57 2.77	7
8	6.35 1.96	5.79 2.17	NR NR	6.95 2.33	6.55 2.19	5.87 1.86	5.84 2.62	6.35 2.33	7.12 2.47	7.41 2.55	6.74 2.48	6.97 2.70	8
9	5.59 2.09	6.12 2.37	7.64 3.22	7.12 4.17	6.11 2.25	5.86 2.86	5.85 2.51	6.29 2.12	7.27 2.64	7.31 2.53	6.38 2.46	7.16 2.83	9
10	6.54 2.53	6.39 2.50	7.39 4.13	7.18 2.47	5.95 1.96	5.80 2.03	6.22 2.54	6.55 2.25	7.36 2.44	7.05 2.23	6.44 2.58	7.13 2.79	10
11	6.47 2.61	6.58 2.58	7.30 2.87	7.19 2.61	5.79 2.02	5.60 2.04	6.14 2.31	6.92 2.48	7.15 2.36	6.70 2.21	6.88 3.07	6.93 2.68	11
12	6.54 3.03	6.73 3.45	7.38 2.76	7.06 2.75	5.60 2.12	6.35 2.14	6.22 2.19	7.06 2.49	6.96 2.52	6.34 2.15	7.02 3.02	6.79 2.41	12
13	6.66 3.11	6.61 2.30	7.48 2.84	7.02 2.90	5.62 2.24	5.89 2.77	6.52 2.35	6.86 2.23	6.57 2.40	6.21 2.19	7.12 2.79	5.76 2.36	13
14	6.83 3.28	6.64 2.03	7.18 2.87	6.47 2.81	5.84 2.47	5.62 2.21	6.62 2.41	6.74 2.22	6.10 1.96	6.68 2.55	7.17 2.62	6.84 2.53	14
15	6.86 3.01	6.79 2.04	6.54 2.68	6.14 2.62	6.09 2.88	5.61 2.06	6.70 2.35	6.58 2.54	5.55 1.99	6.98 3.10	5.70 2.50	6.82 2.60	15
16	6.97 2.76	6.60 2.14	7.19 2.91	5.91 2.57	6.04 2.78	5.74 2.18	6.62 2.61	5.86 1.66	6.11 2.33	5.46 2.91	7.17 2.49	6.89 2.94	16
17	6.99 2.65	6.24 2.07	6.60 3.08	5.93 2.52	6.45 2.89	6.02 2.26	6.71 2.69	5.42 1.63	6.49 2.92	7.35 2.82	7.09 2.46	7.09 3.24	17
18	6.76 2.51	6.09 1.99	6.26 2.81	6.04 2.69	6.07 2.13	5.87 1.78	5.88 1.92	5.46 1.92	7.02 2.88	7.20 2.36	7.00 2.55	6.89 3.15	18
19	6.80 2.30	5.54 2.02	NR NR	6.27 3.00	6.55 2.07	5.98 1.82	5.79 2.20	5.82 2.22	7.16 2.62	7.35 2.49	7.09 2.84	6.47 2.99	19
20	6.41 2.34	5.58 1.96	NR NR	6.56 2.86	6.35 1.82	6.27 1.97	6.01 2.54	6.30 2.79	7.23 2.47	7.47 2.69	6.81 2.65	6.66 3.09	20
21	6.11 2.19	5.79 2.19	NR NR	6.70 2.69	6.36 1.88	6.23 2.03	6.07 2.33	7.08 2.83	7.29 2.41	7.50 2.76	6.58 2.64	6.66 3.32	21
22	5.69 2.28	5.91 2.37	NR NR	6.94 2.73	6.79 2.27	6.25 2.10	5.95 2.48	6.86 2.39	7.40 2.63	7.35 2.69	6.42 2.70	6.56 3.17	22
23	5.73 2.10	5.88 2.46	NR NR	7.13 2.68	6.71 3.50	6.25 2.18	6.16 2.47	7.24 2.61	7.35 2.52	7.17 2.68	6.10 2.58	6.65 2.93	23
24	5.75 2.35	6.20 2.69	NR NR	7.38 4.57	6.59 2.11	6.25 2.30	6.59 2.52	7.43 2.54	7.18 2.49	6.92 2.63	6.28 2.85	6.90 2.89	24
25	5.81 2.32	6.72 2.89	NR NR	7.24 2.73	5.99 2.49	5.98 2.48	6.64 2.21	7.38 2.66	7.00 2.57	6.72 2.69	6.56 3.13	6.67 2.91	25
26	5.57 2.39	7.22 2.80	NR NR	7.07 2.59	5.39 1.90	6.43 3.06	6.97 2.20	7.35 2.40	6.66 2.33	6.32 2.70	6.83 3.30	6.63 2.60	26
27	5.38 2.03	6.97 3.85	NR NR	6.96 2.56	5.58 1.86	6.50 2.75	6.91 2.25	7.14 2.16	6.29 2.49	6.20 2.70	6.83 3.25	6.33 2.44	27
28	5.69 2.01	7.67 2.61	NR NR	6.65 2.58	5.95 2.30	6.55 2.55	6.93 2.27	6.49 1.83	6.01 2.29	6.28 2.82	6.76 2.93	6.39 2.23	28
29	6.05 2.84	7.92 3.21	NR NR	6.21 2.56		6.80 2.62	6.64 2.09	6.14 1.98	6.11 2.31	6.39 3.06	6.89 2.65	5.68 2.19	29
30	6.41 2.14	8.05 3.39	NR NR	6.02 2.46		7.34 3.21	6.22 1.82	5.92 2.25	4.94 2.76	6.55 2.79	6.98 2.50	6.84 2.72	30
31	6.47 2.27		NR NR	6.25 2.49		6.78 2.24		6.00 1.96		6.84 2.60	5.63 2.53		31
MAXIMUM	7.02	8.05	NR	NR	6.79	7.34	6.97	7.43	7.40	7.52	7.36	7.68	MAXIMUM
MINIMUM	1.96	1.96	NR	NR	1.82	1.33	1.82	1.63	1.96	2.15	2.46	2.19	MINIMUM

NR - No record.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 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 57 46	121 21 54	SW 6 1N 6E		10.3	12-26-1955		MAY 1940-DATE	1940	1963	-4.22	USCGS
								1943	1945	-4.39	USCGS
								1945	1946	-4.70	USCGS
								1946	1951	-3.00	USCGS
								1951		-3.02	USCGS
									1964	-3.53	USCGS
								1964		-3.00	USCGS

Station located on north end of Rough and Ready Island, approximately 0.4 mile above Burns Cutoff.

TABLE B-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1971	B95620	SAN JOAQUIN RIVER AT RINDGE PUMP

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	3.06	NR	4.74	3.21	3.44	2.91	3.24	3.01	2.62	3.14	2.04	3.80	1
	-0.25	NR	0.45	-0.57	-0.28	-1.00	-1.02	-1.04	-0.95	-0.10	-0.57	-0.60	
2	NR	NR	4.58	3.49	3.60	2.61	2.93	2.48	2.67	3.40	3.85	4.02	2
	NR	NR	0.57	-0.31	-0.41	-1.52	-1.11	-1.11	-0.22	-0.38	-0.55	-0.44	
3	NR	NR	3.93	2.81	3.45	2.66	2.73	2.46	3.00	3.57	4.08	3.70	3
	NR	NR	0.05	-0.81	-0.70	-1.53	-1.04	-0.82	-0.32	-0.49	-0.55	-0.65	
4	NR	NR	3.40	2.95	3.42	3.18	2.52	2.69	3.24	3.80	4.19	3.64	4
	NR	NR	0.04	-0.86	-0.83	-1.05	-1.04	-0.87	-0.53	-0.59	-0.53	-0.53	
5	NR	NR	3.26	3.30	3.49	2.58	2.76	2.65	3.42	3.97	4.05	3.67	5
	NR	NR	-0.31	-0.63	-0.80	-1.68	-0.50	-0.52	-0.61	-0.55	-0.56	0.01	
6	NR	2.97	3.45	3.38	3.55	2.46	2.77	2.90	3.53	4.20	3.99	3.50	6
	NR	-0.80	-0.25	-0.82	-0.74	-1.71	-0.50	-0.29	-0.64	-0.54	-0.59	0.03	
7	NR	2.64	3.79	3.60	3.46	2.75	2.75	3.21	3.83	4.36	3.86	3.39	7
	NR	-0.80	0.01	-0.79	0.91	-1.28	-0.41	-0.35	-0.60	-0.42	-0.56	-0.26	
8	NR	2.64	4.23	3.78	3.39	2.70	2.69	3.20	3.97	4.24	3.56	3.76	8
	NR	-1.29	0.57	-0.70	-0.82	-1.14	-0.38	-0.66	-0.59	-0.50	-0.60	-0.32	
9	NR	2.95	4.44	3.96	2.95	2.71	2.70	3.14	4.12	4.15	3.21	3.98	9
	NR	-0.64	0.18	1.11	-0.77	-1.01	-0.51	-0.90	-0.39	-0.51	-0.62	-0.20	
10	NR	3.22	4.23	4.03	2.81	2.62	3.06	3.42	4.21	3.87	3.26	3.96	10
	NR	-0.52	1.08	-0.56	-1.05	-0.26	-0.48	-0.76	-0.62	-0.79	-0.51	-0.25	
11	NR	3.42	4.13	4.05	2.66	2.44	2.99	3.77	3.98	3.53	3.69	3.76	11
	NR	-0.43	-0.15	-0.44	-1.00	-1.01	-0.71	-0.55	-0.70	-0.83	0.00	-0.35	
12	NR	3.55	4.21	3.92	2.46	3.19	3.06	3.88	3.83	3.17	3.84	3.62	12
	NR	0.39	-0.26	-0.26	-0.92	-0.87	-1.08	-0.54	-0.57	-0.87	-0.05	-0.62	
13	NR	3.46	4.32	3.88	2.46	2.74	3.37	3.71	3.45	3.03	3.94	2.59	13
	NR	-0.73	-0.18	-0.09	-0.81	-0.27	-0.67	-0.80	-0.70	-0.83	-0.29	-0.67	
14	NR	3.48	4.05	3.36	2.69	2.48	3.47	3.59	2.94	3.51	4.00	3.66	14
	NR	-0.96	-0.15	-0.20	-0.58	-0.83	-0.63	-0.83	-1.09	-0.49	-0.45	-0.51	
15	NR	3.61	3.51	3.00	2.94	2.46	3.56	3.44	2.94	3.81	2.53	3.64	15
	NR	-0.97	-0.34	-0.40	-0.16	-0.98	-0.69	-0.52	-1.05	0.06	-0.55	-0.43	
16	NR	3.43	4.06	2.75	2.88	2.59	3.52	2.70	2.12	2.28	4.00	3.71	16
	NR	-0.87	-0.11	-0.48	-0.27	-0.89	-0.47	-1.36	-0.75	-0.13	-0.58	-0.10	
17	NR	3.09	3.46	2.76	3.31	2.88	3.57	2.26	3.36	4.18	3.91	3.91	17
	NR	-0.95	0.06	-0.53	-0.15	-0.82	-0.39	-1.40	-0.15	-0.20	-0.61	0.19	
18	NR	2.94	3.15	2.87	2.92	2.73	2.74	2.29	3.85	4.04	3.83	3.70	18
	NR	-1.03	-0.20	-0.36	-0.90	-1.26	-1.16	-1.11	-0.23	-0.67	-0.54	0.11	
19	NR	2.40	3.27	3.11	3.34	2.84	2.66	2.69	3.99	4.18	3.91	3.29	19
	NR	-1.00	-0.23	-0.05	-0.98	-1.21	-0.90	-0.78	-0.45	-0.54	-0.25	-0.04	
20	NR	2.40	3.38	3.42	3.13	3.13	2.82	3.14	4.06	4.30	3.64	3.48	20
	NR	-1.07	-0.06	-0.19	-1.20	-1.13	-0.48	-0.24	-0.58	-0.34	-0.42	0.05	
21	NR	2.64	3.94	3.55	3.20	3.08	2.91	3.91	4.13	4.32	3.40	3.47	21
	NR	-0.84	0.77	-0.36	-1.14	-0.99	-0.66	-0.20	-0.62	-0.27	-0.45	0.28	
22	NR	2.76	3.62	3.76	3.65	3.09	2.79	3.70	4.23	4.17	3.24	3.37	22
	NR	-0.66	0.18	-0.37	-0.76	-0.92	-0.52	-0.64	-0.46	-0.36	-0.38	0.13	
23	NR	2.71	3.40	3.97	3.54	3.08	2.99	4.08	4.18	4.00	2.94	3.48	23
	NR	-0.56	-0.19	-0.35	0.41	-0.88	-0.54	-0.44	-0.57	-0.37	-0.48	-0.12	
24	NR	3.05	3.72	4.21	3.42	3.07	3.43	4.29	4.01	3.75	3.11	3.74	24
	NR	-0.35	-0.32	1.49	-0.90	-0.69	-0.52	-0.48	-0.64	-0.41	-0.25	-0.15	
25	NR	3.56	3.71	4.07	2.82	2.83	3.47	4.23	3.83	3.55	3.38	3.50	25
	NR	-0.34	-0.52	-0.30	-0.74	-0.51	-0.79	-0.40	-0.53	-0.37	0.04	-0.13	
26	NR	4.04	4.00	3.89	2.23	3.26	3.80	4.18	3.50	3.14	3.66	3.47	26
	NR	-0.22	1.30	-0.45	-1.14	-0.18	-0.80	-0.63	-0.76	-0.37	0.24	-0.45	
27	NR	3.84	4.33	3.79	2.36	3.34	3.74	4.02	3.13	3.04	3.66	3.18	27
	NR	0.85	-0.39	-0.48	-1.15	-0.27	-0.76	-0.80	-0.64	-0.38	0.19	-0.62	
28	NR	4.53	4.36	3.49	2.80	3.39	3.78	3.31	2.85	3.11	3.61	3.26	28
	NR	-0.35	-0.29	-0.45	-0.71	-0.43	-0.73	-1.20	-0.85	-0.28	-0.14	-0.82	
29	NR	4.77	4.23	3.08		3.66	3.49	2.99	2.93	3.23	3.73	2.52	29
	NR	0.17	-0.18	-0.47		-0.40	-0.92	-1.06	-0.76	-0.04	-0.40	-0.86	
30	NR	4.88	3.90	2.86		4.16	3.08	2.75	1.80	3.39	3.81	3.68	30
	NR	0.35	-0.35	-0.56		0.14	-1.21	-0.86	-0.33	-0.31	-0.55	-0.41	
31	NR		3.58	3.10		3.57		2.86		3.68	2.46		31
	NR		-0.66	-0.54		-0.78		-1.12		-0.51	-0.52		
MAXIMUM	NR	NR	4.74	4.21	3.65	4.16	3.80	4.29	4.23	4.36	4.19	4.02	MAXIMUM
MINIMUM	NR	NR	-0.66	-0.86	-1.20	-1.71	-1.21	-1.40	-1.09	-0.87	-0.62	-0.86	MINIMUM

NR - No record.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 59 51	121 25 06	NW 27 2N 5E		7.1	12-26-1955		JULY 1939-DATE	1939	1940	-2.2	USED
								1940		0.00	USCGS
								1940		3.00	USED
									1964	-0.52	USCGS
								1964		0.00	USCGS

Station located on Rindge Tract at Fourteenmile Slough near junction with Stockton Ship Channel, 8 miles northwest of Stockton.

TABLE B-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1971	B95580	SAN JOAQUIN RIVER AT VENICE ISLAND

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	5.92 3.08	6.30 2.19	7.60 3.53	6.08 2.51	6.25 2.79	5.73 2.00	6.11 2.07	5.88 2.05	5.47 2.13	4.52 2.98	4.94 2.50	6.67 2.47	1
2	6.19 2.80	6.50 2.19	7.45 3.60	6.17 2.73	6.42 2.68	5.47 1.56	5.80 1.94	5.33 1.91	5.52 2.77	6.26 2.70	6.72 2.54	6.88 2.64	2
3	6.55 3.01	6.57 2.35	6.83 3.15	5.58 2.19	6.30 2.37	5.51 1.56	5.61 2.03	5.32 2.29	5.88 2.74	6.44 2.57	6.95 2.55	6.55 2.44	3
4	6.48 3.07	6.26 2.48	6.29 3.18	5.77 2.19	6.27 2.26	6.01 2.03	5.40 2.05	5.55 2.21	6.09 2.53	6.66 2.49	7.05 2.57	6.48 2.57	4
5	6.74 2.78	6.19 2.31	6.07 2.72	6.13 2.43	6.32 2.27	5.42 1.38	5.59 2.60	5.48 2.56	6.26 2.47	6.84 2.52	6.91 2.53	6.50 3.11	5
6	6.58 2.80	5.85 2.24	6.28 2.82	6.22 2.25	6.41 2.33	5.32 1.39	5.60 2.60	5.74 2.79	6.39 2.45	7.06 2.56	6.85 2.50	6.34 3.13	6
7	6.07 2.46	5.50 2.30	6.64 3.07	6.45 2.28	6.31 2.25	5.60 1.82	5.59 2.67	6.06 2.76	6.69 2.47	7.22 2.67	6.70 2.53	6.22 2.85	7
8	6.09 2.02	5.49 2.24	7.07 3.65	6.63 2.40	6.24 3.62	5.55 1.86	5.53 2.71	6.04 2.42	6.82 2.50	7.09 2.57	6.41 2.48	6.59 2.78	8
9	5.29 2.15	5.80 2.46	7.26 3.25	6.81 2.53	5.80 2.31	5.54 2.11	5.55 2.57	5.98 2.18	6.98 2.71	7.00 2.55	6.07 2.49	6.81 2.92	9
10	6.27 2.58	6.07 2.61	7.04 2.94	6.88 4.28	5.65 2.04	5.45 2.12	5.90 2.59	6.24 2.32	7.07 2.49	6.73 2.30	6.11 2.60	6.81 2.86	10
11	6.19 2.69	6.27 2.63	6.99 4.21	6.92 2.70	5.49 2.09	5.28 2.27	5.83 2.33	6.62 2.53	6.84 2.39	6.38 2.27	6.55 3.08	6.62 2.76	11
12	6.23 3.06	6.36 2.37	7.07 2.84	6.83 2.83	5.30 2.20	6.04 2.99	5.91 2.24	6.76 2.53	6.66 2.42	6.02 2.23	6.68 3.05	6.49 2.47	12
13	6.32 3.18	6.30 2.33	7.17 2.92	6.72 3.02	5.29 2.22	5.60 2.81	6.22 2.28	6.55 2.29	6.32 2.34	5.89 2.27	6.80 2.81	5.45 2.42	13
14	6.50 3.36	6.32 2.13	6.89 2.95	6.25 2.91	5.53 2.51	5.35 2.29	6.32 2.43	6.45 2.24	5.79 2.00	6.36 2.60	6.87 2.65	6.53 2.58	14
15	6.52 3.12	6.47 2.15	6.55 2.75	5.86 2.70	5.80 2.95	5.30 2.08	6.44 2.39	6.32 2.47	5.79 2.03	6.67 3.15	5.39 2.55	6.50 2.66	15
16	6.71 2.85	6.29 2.22	6.92 2.98	5.59 2.58	5.74 2.76	5.45 2.16	6.38 2.56	5.54 1.68	4.97 2.34	5.14 2.96	6.87 2.52	6.57 2.98	16
17	6.68 2.73	5.96 2.15	6.35 3.13	5.58 2.53	6.17 2.92	5.71 2.17	6.42 2.69	5.09 1.65	6.20 2.94	7.04 2.89	6.77 2.49	6.75 3.27	17
18	6.46 2.59	3.82 2.05	6.09 2.89	5.72 2.68	5.80 2.19	5.60 1.82	5.60 1.88	5.15 1.92	6.70 2.88	6.90 2.43	6.67 2.56	6.54 3.20	18
19	6.52 2.38	5.32 2.09	6.12 2.79	5.97 2.89	6.18 2.06	5.71 1.86	5.53 2.21	5.52 2.33	6.84 2.64	7.05 2.54	6.75 2.86	6.14 3.06	19
20	6.16 2.42	5.26 2.01	6.24 2.99	6.25 2.85	5.96 1.84	6.00 1.97	5.69 2.60	5.98 2.84	6.92 2.48	7.16 2.75	6.49 2.64	6.32 3.17	20
21	5.87 2.23	3.53 2.24	6.77 3.84	6.41 2.70	6.07 1.94	5.97 2.08	5.76 2.41	6.69 2.84	6.98 2.48	7.19 2.81	6.25 2.62	6.29 3.35	21
22	3.42 2.34	5.64 2.42	6.45 3.24	6.59 2.64	6.49 2.34	5.95 2.17	5.64 2.59	6.52 2.45	7.08 2.59	7.03 2.73	6.09 2.69	6.22 3.22	22
23	5.47 2.13	5.57 2.51	6.24 2.86	6.83 2.73	6.36 2.21	5.94 2.24	5.83 2.54	6.92 2.68	7.03 2.48	6.86 2.71	5.79 2.62	6.33 2.97	23
24	5.42 2.39	5.92 2.75	6.57 2.75	7.07 2.76	6.23 2.52	5.89 2.39	6.26 2.50	7.09 2.62	6.90 2.45	6.60 2.68	5.94 2.85	6.61 2.93	24
25	5.48 2.39	6.43 2.98	6.56 2.56	6.90 4.28	5.63 3.30	5.72 2.60	6.29 2.30	7.07 2.65	6.69 2.51	6.39 2.72	6.24 3.12	6.36 2.96	25
26	5.24 2.39	6.88 2.88	6.84 2.68	6.73 2.64	5.07 1.89	6.10 3.03	6.63 2.31	7.05 2.45	6.36 2.33	6.01 2.71	6.50 3.32	6.36 2.63	26
27	5.07 2.10	6.77 2.98	7.17 4.52	6.63 2.60	5.19 1.94	6.17 2.80	6.61 2.32	6.92 2.35	6.00 2.39	5.91 2.71	6.51 3.26	6.07 2.47	27
28	5.25 2.05	7.36 4.64	7.20 2.78	6.33 2.65	5.64 2.40	6.22 2.62	6.64 2.35	6.17 1.90	5.71 2.22	5.98 2.78	6.49 2.95	6.14 2.26	28
29	5.73 2.25	7.62 3.21	7.07 2.93	5.91 2.61		6.47 2.69	6.34 2.12	5.87 2.01	5.78 2.30	6.11 3.04	6.61 2.68	6.54 2.22	29
30	6.16 3.28	7.76 3.44	6.75 2.73	5.69 2.47		6.99 3.18	5.94 1.85	5.69 2.28	6.01 2.72	6.28 2.76	6.68 2.52	5.41 2.65	30
31	6.16 2.36		6.41 2.58	5.92 2.45		6.42 2.30		5.66 2.00		6.55 2.57	5.32 2.52		31
MAXIMUM	6.74	7.76	7.60	7.07	6.49	6.99	6.64	7.09	7.08	7.22	7.05	6.88	MAXIMUM
MINIMUM	2.02	2.01	2.56	2.19	1.84	1.38	1.85	1.63	2.00	2.23	2.48	2.22	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 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 01	121 29 45	NE 2 2N 4E		10.7	12-26-1955		OCT 1927-DATE	1927		-3.45	USCGS
								1959		-4.00	USCGS
									1964	-4.01	USCGS
								1964		-3.00	USCGS

Station located on Little Connection Slough on Empire Tract, 0.7 mile south of Venice Island Ferry.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1971	B95540	MIDDLE RIVER AT MOWRY BRIDGE

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	5.77 3.26	6.18 2.85	7.55 4.52	6.41 4.39	6.43 3.95	5.57 3.15	6.13 2.85	5.86 2.72	5.27 2.59	5.89 3.04	6.04 2.78	6.23 2.72	1
2	6.06 3.17	6.31 2.89	7.57 4.55	6.79 4.55	6.50 4.09	5.42 2.77	5.85 2.72	5.31 2.74	5.39 2.93	6.08 2.78	6.13 2.73	6.52 3.03	2
3	6.44 3.37	6.45 2.92	6.82 4.17	6.04 4.24	6.57 4.39	5.22 2.70	5.67 3.95	5.27 2.91	5.71 3.02	6.28 2.19	6.53 2.39	5.98 2.97	3
4	6.37 3.49	6.12 2.99	6.46 4.08	6.02 4.06	6.41 4.02	5.65 2.95	5.42 2.60	5.42 3.23	5.96 2.74	6.53 2.86	6.65 2.68	5.85 3.04	4
5	6.55 3.21	6.12 2.87	6.11 3.78	6.36 4.29	6.41 3.93	5.46 3.79	5.50 2.71	5.37 2.64	6.12 2.69	6.60 2.74	6.40 2.21	6.26 3.50	5
6	6.45 3.16	5.49 2.92	6.69 3.82	6.50 4.28	6.56 3.92	5.04 2.66	5.42 2.93	5.60 2.93	6.22 2.84	6.89 2.76	6.26 2.67	6.10 3.49	6
7	6.04 2.93	5.76 2.87	6.68 4.14	6.58 4.13	6.21 3.97	5.24 2.64	5.40 2.95	5.96 3.16	6.55 2.98	6.98 2.92	6.06 2.69	5.93 3.19	7
8	5.08 2.68	5.31 2.86	7.22 4.61	6.72 3.96	6.36 3.90	5.35 2.84	5.37 3.10	5.94 3.01	6.62 3.06	6.78 2.84	5.75 2.78	6.05 3.21	8
9	5.94 2.75	5.55 2.92	7.43 4.80	6.79 3.99	6.18 3.85	5.43 2.93	5.39 2.92	5.98 3.00	6.75 3.14	6.70 2.97	5.38 2.80	6.48 3.22	9
10	6.07 2.96	5.86 3.13	7.30 4.46	6.90 4.08	6.03 3.67	5.52 3.01	5.88 3.11	6.32 3.11	6.90 3.07	6.33 2.79	5.42 2.69	6.46 3.12	10
11	5.99 3.06	6.06 3.05	7.02 4.00	6.95 4.15	5.83 3.65	5.03 2.99	5.83 3.03	6.70 3.29	6.72 3.07	6.07 2.61	5.81 2.92	5.26 2.96	11
12	6.10 3.23	6.26 3.09	7.14 3.86	6.81 4.23	5.71 3.69	5.65 2.97	5.89 2.92	6.85 3.24	6.62 3.03	5.76 2.70	4.61 2.96	6.35 2.88	12
13	6.17 3.33	6.12 2.98	7.24 4.03	7.12 4.22	5.63 3.77	5.49 3.43	6.17 2.95	6.57 2.93	6.23 3.00	5.29 2.22	6.04 2.64	6.20 2.80	13
14	6.50 3.45	6.12 3.00	6.98 4.09	6.69 4.22	5.66 3.90	5.34 3.09	6.28 3.13	6.46 2.64	5.75 2.18	5.39 2.65	6.23 2.51	6.30 2.84	14
15	6.58 3.33	6.31 3.02	6.30 4.02	6.37 4.25	NR 3.93	5.07 3.07	6.59 3.12	6.33 3.01	5.20 2.29	5.84 3.00	6.37 2.65	6.39 2.97	15
16	6.43 3.22	6.25 3.09	7.20 4.10	5.83 4.26	NR 3.77	5.24 3.15	6.14 3.10	5.67 2.36	5.57 2.76	6.26 2.57	6.36 2.25	6.38 3.26	16
17	6.46 3.08	5.92 3.03	6.64 4.36	5.81 4.14	NR NR	5.57 3.28	6.62 3.32	5.29 2.22	5.91 3.21	6.53 2.80	6.29 2.19	6.62 3.61	17
18	6.35 3.06	5.80 2.92	6.06 4.13	5.84 3.99	NR NR	5.39 2.86	5.92 2.71	4.97 2.66	6.59 3.22	6.50 2.75	6.07 2.63	6.29 3.60	18
19	6.45 2.94	5.46 2.94	6.26 4.18	6.11 4.01	NR NR	5.64 2.85	5.76 3.08	5.26 2.92	6.71 2.97	6.77 2.78	6.14 2.90	6.02 3.35	19
20	6.34 2.96	5.15 2.84	6.33 4.27	6.42 4.30	NR NR	5.93 2.92	5.85 3.33	5.65 3.28	6.91 3.19	6.78 2.84	5.96 2.64	5.85 3.43	20
21	5.84 2.85	5.25 2.90	7.03 4.81	6.57 4.11	NR NR	6.07 4.29	5.86 3.54	6.36 3.34	6.95 3.24	6.70 3.00	5.66 2.67	5.94 3.52	21
22	5.51 2.84	5.37 2.96	6.79 4.70	6.74 4.10	6.53 3.51	5.91 2.92	5.70 3.13	6.23 2.96	7.06 3.18	6.50 2.98	5.51 2.87	5.97 3.58	22
23	5.56 2.79	5.32 2.99	6.64 4.72	6.97 4.20	6.44 3.77	5.76 2.96	5.77 3.05	6.59 3.15	6.94 3.19	6.16 2.82	5.33 2.80	5.80 3.34	23
24	5.50 2.88	5.65 3.19	6.91 4.60	7.20 4.26	6.33 3.67	5.56 3.07	6.09 3.06	6.80 3.18	6.78 3.11	6.04 2.89	5.48 2.92	6.57 3.33	24
25	5.37 2.88	6.22 3.35	6.90 4.60	7.07 4.41	5.84 3.74	5.34 3.05	6.06 2.90	6.72 3.21	6.53 3.11	5.83 2.91	5.66 3.22	6.15 3.32	25
26	5.26 2.90	6.75 3.59	7.15 4.53	6.94 4.38	5.22 3.34	6.08 3.26	6.43 2.90	6.76 3.00	6.31 2.86	5.47 2.57	6.15 3.38	6.07 3.07	26
27	5.09 2.78	6.45 3.60	7.42 4.64	6.76 4.30	5.26 3.15	6.18 3.70	6.41 2.83	6.60 2.79	5.97 2.87	4.92 2.33	6.20 3.27	6.08 2.96	27
28	5.17 2.75	7.14 3.42	7.65 4.70	6.49 4.24	5.57 3.35	6.22 3.52	6.44 2.76	6.00 2.61	5.62 2.63	5.39 2.60	6.20 3.02	5.38 2.83	28
29	5.54 2.82	7.46 4.03	7.33 4.78	6.27 4.13		6.21 3.52	6.23 2.77	5.78 2.68	5.58 3.02	5.33 2.95	4.83 2.89	6.10 2.75	29
30	5.97 2.84	7.73 4.29	7.04 4.65	5.87 3.97		6.80 3.85	5.90 2.49	5.64 2.87	5.77 2.93	5.65 2.79	6.52 2.61	6.62 2.83	30
31	5.99 2.93		6.73 4.51	5.81 3.87		6.49 3.22		5.45 2.58		5.78 2.18	6.33 2.65		31
MAXIMUM	6.58	7.73	7.65	7.20	NR	6.80	6.62	6.85	7.06	6.98	6.65	6.62	MAXIMUM
MINIMUM	2.68	2.84	3.78	3.87	NR	2.64	2.49	2.22	2.18	2.18	2.19	2.72	MINIMUM

NR - No record.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 50 04	121 22 59	NE 24 1S 5E		16.8	12-10-1950		JULY 48-SEPT 66	1948	1952	-2.70	USCGS
							MAR 68-DATE	1952		-2.67	USCGS
									1964	-3.23	USCGS
							-	1964		-3.00	USCGS

Station located at Undine Road crossing on Upper Roberts Island. Maximum of record is maximum recorded stage -- record not complete in December 1955.
Station was discontinued October 1, 1966, and reactivated February 26, 1968.

TABLE B-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1971	B95500	MIDDLE RIVER AT BORDEN HIGHWAY

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	2.60 -0.33	3.00 -0.91	4.25 0.56	2.88 -0.39	3.06 -0.23	2.37 -0.98	2.87 -1.12	2.69 -1.10	2.18 -1.06	2.70 -0.28	3.11 -0.73	3.26 -0.72	1
2	2.87 -0.37	3.17 -0.89	4.23 0.58	3.20 -0.10	3.13 -0.28	2.16 -1.56	2.60 -1.24	2.10 -1.18	2.23 -0.48	2.97 -0.48	3.19 -0.68	3.50 -0.50	2
3	3.23 -0.15	3.26 -0.75	3.51 0.15	2.46 -0.60	3.15 -0.58	2.09 -1.58	2.41 -1.20	2.08 -0.85	2.60 -0.48	3.16 -0.67	3.66 -0.67	3.03 -0.65	3
4	3.17 -0.09	2.95 -0.60	3.05 0.13	2.46 -0.78	3.03 -0.68	2.51 -1.15	2.18 -1.19	2.27 -0.94	2.82 -0.66	3.39 -0.74	3.74 -0.65	2.94 -0.53	4
5	3.43 -0.38	2.93 -0.81	2.76 -0.25	2.82 -0.51	3.05 -0.66	2.24 -1.72	2.35 -0.61	2.19 -0.61	2.97 -0.72	3.55 -0.69	3.55 -0.68	3.18 0.00	5
6	3.31 -0.36	2.62 -0.81	3.17 -0.21	3.00 -0.67	3.17 -0.59	1.92 -1.76	2.30 -0.66	2.44 -0.41	3.11 -0.73	3.77 -0.66	3.45 -0.71	3.03 -0.02	6
7	2.88 -0.63	2.17 -0.79	3.23 0.03	3.13 -0.62	2.90 0.90	2.14 -1.32	2.27 -0.53	2.78 -0.44	3.43 -0.68	3.91 -0.56	3.32 -0.67	2.81 -0.28	7
8	2.82 -1.17	2.19 -0.84	3.78 0.60	3.30 0.89	3.00 -0.68	2.17 -1.21	2.25 -0.49	2.76 -0.76	3.51 -0.65	3.78 -0.61	2.99 -0.71	3.00 -0.35	8
9	2.06 -1.00	2.41 -0.63	4.00 0.29	3.42 -0.51	2.71 -0.73	2.23 -0.23	2.25 -0.65	2.73 -0.94	3.67 -0.49	3.68 -0.65	2.56 -0.73	3.36 -0.23	9
10	2.96 -0.55	2.69 -0.48	3.91 1.07	3.48 -0.39	2.55 -1.01	2.21 -1.03	2.66 -0.54	3.02 -0.81	3.76 -0.70	3.37 -0.85	2.64 -0.65	3.52 -0.29	10
11	2.87 -0.44	2.87 -0.06	3.69 -0.04	3.53 -0.23	2.37 -0.98	1.94 -1.01	2.58 -0.79	3.41 -0.57	3.56 -0.78	3.05 -0.94	3.00 -0.15	3.37 -0.40	11
12	2.90 -0.04	3.06 -0.45	3.78 -0.14	3.45 -0.10	2.23 -0.87	2.54 -0.92	2.68 -0.89	3.56 -0.55	3.40 -0.71	2.69 -0.99	3.19 -0.19	2.13 -0.66	12
13	3.02 0.04	2.95 -0.70	3.87 -0.06	3.64 0.03	2.17 -0.77	2.31 -0.31	2.96 -0.76	3.33 -0.84	3.02 -0.80	2.49 -0.97	3.40 -0.43	3.22 -0.99	13
14	3.25 0.22	2.96 -0.88	3.61 -0.04	3.17 -0.11	2.27 -0.55	2.05 -0.92	3.11 -0.65	3.24 -0.86	2.54 -1.21	1.91 -0.65	1.62 -0.60	3.30 -0.52	14
15	3.28 -0.03	3.16 -0.86	3.06 -0.21	2.84 -0.26	2.47 -0.18	1.90 -1.03	3.30 -0.69	3.14 -0.70	2.18 -1.18	2.96 -0.10	3.51 -0.68	3.26 -0.49	15
16	3.26 -0.28	3.06 -0.75	3.81 -0.03	2.34 -0.38	2.53 -0.26	2.04 -0.95	3.07 -0.64	2.44 -1.44	2.42 -0.85	3.30 -0.29	3.50 -0.72	3.31 -0.18	16
17	3.29 -0.41	2.73 -0.83	3.23 0.15	2.32 -0.45	2.89 -0.20	2.38 -0.76	3.31 -0.41	2.06 -1.39	2.82 -0.27	3.64 -0.36	3.44 -0.72	3.51 0.11	17
18	3.18 -0.54	2.61 -0.97	2.72 -0.14	2.39 -0.35	2.72 -0.93	2.20 -1.31	2.56 -1.21	1.89 -1.25	3.34 -0.34	3.55 -0.78	3.21 -0.65	3.30 0.07	18
19	3.26 -0.76	2.21 -0.91	2.82 -0.16	2.68 -0.07	3.07 -0.94	2.46 -1.27	2.41 -0.92	2.21 -0.89	3.51 -0.56	3.72 -0.66	3.33 -0.37	2.91 -0.09	19
20	3.05 -0.71	1.98 -1.01	2.91 -0.05	2.98 -0.16	2.90 -1.24	2.77 -1.14	2.49 -0.51	2.59 -0.35	3.61 -0.67	3.81 -0.46	3.16 -0.55	2.86 -0.01	20
21	2.68 -0.87	2.14 -0.81	3.52 0.76	3.16 -0.29	2.89 -1.17	2.80 -1.07	2.54 -0.69	3.30 -0.25	3.68 -0.67	3.83 -0.39	2.89 -0.58	2.95 0.19	21
22	2.23 -0.82	2.24 -0.64	3.26 0.24	3.33 -0.23	3.19 -0.75	2.74 -0.97	2.42 -0.54	3.12 -0.71	3.78 -0.54	3.63 -0.47	2.71 -0.53	2.97 0.05	22
23	2.28 -0.99	2.19 -0.57	3.07 -0.12	3.53 -0.23	3.14 0.38	2.62 -0.86	2.56 -0.55	3.54 -0.50	3.74 -0.66	3.32 -0.51	2.48 -0.60	2.82 -0.18	23
24	2.27 -0.74	2.52 -0.29	3.35 -0.19	3.77 1.49	2.92 -0.87	2.47 -0.75	2.96 -0.59	3.72 -0.52	3.56 -0.76	3.21 -0.54	2.60 -0.38	3.40 -0.22	24
25	2.24 -0.74	3.07 -0.07	3.36 1.07	3.67 -0.16	2.44 -0.56	2.29 -0.63	2.99 -0.83	3.74 -0.49	3.40 -0.69	2.94 -0.49	2.79 -0.11	3.07 -0.20	25
26	2.08 -0.67	3.55 1.08	3.60 -0.35	3.51 -0.27	1.84 -1.08	2.77 0.00	3.34 -0.80	3.68 -0.68	3.09 -0.88	2.67 -0.52	3.20 0.09	2.98 -0.53	26
27	1.85 -0.99	3.34 -0.13	3.90 -0.22	3.36 -0.30	1.91 -1.19	2.85 -0.30	3.30 -0.76	3.54 -0.88	2.74 -0.83	2.53 -0.53	3.23 0.02	2.94 -0.69	27
28	2.01 -0.65	3.95 -0.36	4.13 -0.12	3.10 -0.30	2.31 -0.77	2.88 -0.53	3.39 -0.84	2.89 -1.26	2.40 -0.98	2.55 -0.47	3.24 -0.29	2.97 -0.91	28
29	2.40 -1.01	4.25 0.31	3.81 0.00	2.83 -0.32		3.03 -0.43	3.10 -1.02	2.62 -1.14	1.74 -0.88	2.77 -0.23	3.41 -0.55	2.13 -0.95	29
30	2.80 -0.84	4.39 0.42	3.51 -0.16	2.48 -0.43		3.52 0.02	2.74 -1.28	2.40 -0.98	2.50 -0.46	2.92 -0.49	3.38 -0.71	3.33 -0.49	30
31	2.83 -0.75		3.19 -0.31	2.50 -0.45		3.20 -0.80		2.42 -1.24		3.07 -0.69	1.88 -0.67		31
MAXIMUM	3.43	4.39	4.25	3.77	3.19	3.52	3.39	3.74	3.78	3.91	3.74	3.52	MAXIMUM
MINIMUM	-1.17	-1.01	-0.35	-0.78	-1.24	-1.76	-1.28	-1.44	-1.21	-0.99	-0.73	-0.99	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 53 28	121 29 20	NW 36 1N 4E		7.2	12-26-1965		JULY 1939-DATE	1939	1943	-4.10	USCGS
								1943		0.00	USCGS
								1943		3.15	USED
									1964	-0.59	USCGS
								1964		0.00	USCGS

Station located on Victoria Island, below State Highway 4 bridge, 10 miles northwest of Tracy.

TABLE B-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1971	B95460	MIDDLE RIVER AT BACON ISLAND

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	5.84 2.79	6.24 2.14	7.51 3.50	6.03 2.47	6.19 2.75	5.67 2.02	6.04 2.01	5.83 2.00	5.39 2.06	4.46 2.92	4.85 2.45	6.61 2.42	1
2	6.11 2.75	6.43 2.15	7.39 3.59	6.22 2.73	6.35 2.66	5.37 1.52	5.75 1.89	5.26 1.91	5.45 2.71	6.19 2.66	6.65 2.49	6.81 2.59	2
3	6.48 2.97	6.49 2.31	6.75 3.09	5.57 2.19	6.26 2.33	5.45 1.52	5.55 1.97	5.26 2.23	5.81 2.70	6.38 2.51	6.89 2.49	6.47 2.41	3
4	6.41 3.02	6.20 2.42	6.22 3.08	5.70 2.15	6.21 2.22	5.94 1.97	5.34 1.98	5.48 2.18	6.03 2.47	6.60 2.43	6.98 2.51	6.40 2.52	4
5	6.63 2.73	6.12 2.25	5.99 2.70	6.05 2.40	6.26 2.23	5.38 1.36	5.53 2.54	5.41 2.50	6.19 2.41	6.77 2.47	6.85 2.47	6.43 3.06	5
6	6.51 2.75	5.79 2.25	6.20 2.76	6.16 2.22	6.34 2.31	5.26 1.34	5.54 2.50	5.68 2.75	6.31 2.39	6.99 2.50	6.76 2.45	6.28 3.06	6
7	6.00 2.43	5.44 2.25	6.55 3.02	6.38 2.25	6.24 2.22	5.53 1.77	5.51 2.63	6.00 2.71	6.62 2.45	7.15 2.61	6.63 2.48	6.15 2.79	7
8	6.03 1.97	5.41 2.20	7.00 3.60	6.56 2.36	6.19 3.67	5.49 1.88	5.48 2.64	5.98 2.37	6.74 2.45	7.02 2.54	6.33 2.42	6.51 2.74	8
9	5.21 2.11	5.72 2.42	7.19 3.21	6.73 2.50	5.76 2.26	5.47 2.05	5.49 2.50	5.92 2.13	6.91 2.64	6.93 2.49	5.99 2.44	6.73 2.86	9
10	6.20 2.54	6.01 2.56	6.98 2.89	6.80 4.21	5.59 1.99	5.39 2.08	5.85 2.53	6.19 2.27	6.99 2.43	6.64 2.25	6.03 2.54	6.73 2.81	10
11	6.12 2.64	6.20 2.60	6.91 4.17	6.84 2.66	5.45 2.05	5.20 2.21	5.77 2.29	6.57 2.48	6.76 2.34	6.31 2.22	6.47 3.03	6.55 2.70	11
12	6.14 3.05	6.33 3.38	6.98 2.79	6.71 2.79	5.25 2.16	5.98 2.88	5.87 2.19	6.69 2.47	6.59 2.41	5.95 2.17	6.61 2.99	6.43 2.42	12
13	6.25 3.12	6.24 2.34	7.11 2.87	6.66 2.98	5.23 2.24	5.54 2.76	6.15 2.33	6.48 2.23	6.22 2.25	5.81 2.22	6.73 2.76	5.38 2.36	13
14	6.43 3.31	6.26 2.10	6.82 2.90	6.17 2.86	5.48 2.48	5.27 2.24	6.26 2.38	6.39 2.21	5.73 1.94	6.27 2.54	6.80 2.59	6.47 2.54	14
15	6.43 3.06	6.40 2.11	6.45 2.72	5.81 2.65	5.73 2.89	5.24 2.05	6.38 2.34	6.27 2.39	5.71 1.98	6.60 3.10	5.30 2.49	6.43 2.61	15
16	6.56 2.80	6.24 2.20	6.86 2.92	5.53 2.54	5.68 2.80	5.39 2.11	6.32 2.50	5.52 1.62	4.91 2.30	5.08 2.91	6.79 2.46	6.49 2.93	16
17	6.58 2.67	5.93 2.11	6.30 3.09	5.52 2.48	6.11 2.86	5.66 2.20	6.37 2.64	5.07 1.63	6.11 2.88	6.95 2.84	6.70 2.43	6.68 3.22	17
18	6.39 2.53	5.77 2.01	6.01 2.84	5.64 2.63	5.74 2.13	5.54 1.78	5.58 1.83	5.08 1.87	6.62 2.82	6.83 2.38	6.60 2.51	6.48 3.15	18
19	6.46 2.32	5.24 2.05	6.04 2.75	5.90 2.95	6.11 2.04	5.66 1.82	5.48 2.14	5.46 2.26	6.76 2.58	6.97 2.49	6.68 2.79	6.07 3.01	19
20	6.10 2.37	5.20 1.99	6.14 2.94	6.18 2.81	5.95 1.81	5.97 1.96	5.62 2.54	5.90 2.79	6.84 2.44	7.08 2.70	6.42 2.60	6.25 3.10	20
21	5.81 2.21	5.44 2.21	6.69 3.79	6.34 2.65	6.01 1.89	5.93 2.03	5.68 2.35	6.60 2.82	6.91 2.43	7.11 2.77	6.19 2.57	6.23 3.31	21
22	5.37 2.29	5.56 2.38	6.38 3.19	6.54 2.69	6.43 2.29	5.90 2.11	5.58 2.53	6.43 2.40	7.00 2.57	6.96 2.69	6.02 2.64	6.15 3.16	22
23	5.40 2.11	5.50 2.47	6.18 2.81	6.76 2.69	6.30 2.16	5.89 2.20	5.77 2.49	6.83 2.62	6.95 2.47	6.77 2.66	5.72 2.57	6.25 2.93	23
24	5.36 2.35	5.84 2.71	6.50 2.71	6.97 2.73	6.15 2.96	5.84 2.34	6.21 2.44	7.00 2.57	6.78 2.39	6.53 2.61	5.86 2.80	6.52 2.87	24
25	5.41 2.33	6.35 2.93	6.49 2.52	6.85 4.23	5.57 2.46	5.66 2.52	6.23 2.25	6.99 2.60	6.60 2.44	6.33 2.66	6.16 3.07	6.29 2.90	25
26	5.19 2.39	6.81 2.84	6.78 2.64	6.67 2.60	5.01 1.88	6.03 2.97	6.57 2.28	6.97 2.39	6.30 2.29	5.95 2.67	6.44 3.27	6.29 2.58	26
27	5.00 2.05	6.68 2.86	7.10 4.49	6.57 2.56	5.11 1.87	6.09 2.75	6.52 2.29	6.80 2.29	5.93 2.32	5.83 2.66	6.44 3.20	6.01 2.42	27
28	5.19 2.03	7.28 4.61	7.13 2.74	6.28 2.62	5.55 2.33	6.14 2.58	6.57 2.28	6.11 1.84	5.63 2.18	5.91 2.73	6.42 2.88	6.08 2.20	28
29	5.65 2.20	7.55 3.22	7.00 2.87	5.86 2.58		6.41 2.64	6.29 2.09	5.81 1.96	5.71 2.26	6.03 2.99	6.54 2.61	5.30 2.16	29
30	6.11 3.24	7.67 3.38	6.67 2.68	5.63 2.47		6.91 3.09	5.89 1.81	5.61 2.19	5.94 2.68	6.20 2.70	6.63 2.46	6.48 2.59	30
31	6.09 2.32		6.34 2.54	5.85 2.49		6.36 2.26		4.79 1.91		6.49 2.51	5.23 2.46		31
MAXIMUM	6.63	7.67	7.51	6.97	6.43	6.91	6.57	7.00	7.00	7.15	6.98	6.81	MAXIMUM
MINIMUM	1.97	1.99	2.52	2.15	1.81	1.34	1.81	1.62	1.94	2.17	2.42	2.16	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 00 07	121 31 22	SW 22 2N 4E		10.2	12-26-1955		OCT 48-SEPT 66 MAR 68-DATE	1948 1964	1964	-2.94 -3.65 -3.00	USCGS USCGS USCGS

Station located at northeast corner of Bacon Island at junction of Middle River and Connection Slough. Station was discontinued October 1, 1966, and reactivated February 26, 1968.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1971	B95380	OLD RIVER AT TRACY ROAD BRIDGE

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	5.57 2.65	6.05 2.07	7.33 3.88	6.10 3.20	5.92 2.93	5.17 2.17	5.94 1.91	5.74 1.83	4.97 1.85	5.72 2.56	5.72 2.09	5.87 2.18	1
2	5.88 2.62	6.16 2.09	7.37 3.91	6.47 3.54	6.04 2.94	4.94 1.73	5.66 1.75	5.23 1.83	5.20 2.41	5.87 2.38	5.93 2.14	6.23 2.46	2
3	6.24 2.86	6.26 2.23	6.62 3.50	5.66 3.04	6.12 2.69	4.81 1.72	5.43 1.76	5.08 2.15	5.53 2.43	6.06 2.17	6.19 2.20	5.99 2.36	3
4	6.13 2.90	5.99 2.41	6.25 3.41	5.64 2.74	6.04 3.70	5.11 1.90	5.21 1.76	5.24 2.04	5.78 2.23	6.34 2.16	6.37 2.22	5.43 2.44	4
5	6.31 2.61	5.92 2.19	5.81 3.06	5.98 3.04	6.14 2.82	4.99 NR	5.27 3.08	5.26 2.29	5.97 2.20	6.39 2.20	6.05 2.19	6.13 2.97	5
6	6.25 2.59	5.30 2.21	6.59 3.08	6.11 3.56	6.26 2.84	4.57 NR	5.24 2.28	5.37 2.49	6.10 2.19	6.73 2.22	5.90 2.17	6.01 2.91	6
7	5.81 2.29	5.61 2.21	6.33 3.32	6.29 2.90	5.72 2.91	4.77 NR	5.16 2.27	5.78 2.50	6.39 2.29	6.83 2.35	5.78 2.21	5.83 2.69	7
8	4.94 1.76	5.17 2.16	6.93 3.87	6.56 2.89	6.12 2.83	4.90 1.77	5.15 2.43	5.74 2.21	6.47 2.30	6.61 2.27	5.38 2.19	6.06 2.64	8
9	5.74 1.91	5.36 2.31	7.18 4.00	6.64 2.99	5.95 2.65	4.92 1.88	5.19 2.26	5.85 2.12	6.58 2.46	6.57 2.31	5.01 2.10	6.40 2.76	9
10	5.92 2.35	5.68 2.64	7.03 3.66	6.58 3.10	5.81 2.41	5.25 2.03	5.72 2.45	6.15 2.26	6.70 2.28	6.15 2.04	5.01 2.16	6.14 2.70	10
11	5.82 2.46	5.87 2.46	6.78 3.28	6.97 3.21	5.60 2.36	4.47 2.00	5.67 2.25	6.53 2.48	6.52 2.22	5.92 2.01	5.45 2.61	6.02 2.55	11
12	5.90 2.85	6.05 2.51	6.88 3.17	6.47 3.34	5.40 2.44	5.23 2.02	5.73 2.12	6.69 2.48	6.43 2.29	5.58 1.88	4.42 2.64	5.97 2.32	12
13	6.02 2.92	5.96 2.28	6.90 3.29	7.02 3.43	5.41 2.56	4.97 2.67	5.99 2.25	6.45 2.22	6.10 2.20	5.15 1.88	5.64 2.43	5.94 2.27	13
14	6.37 3.06	5.94 2.31	6.72 3.32	6.57 3.35	5.22 2.74	5.00 2.09	6.09 2.43	6.34 2.18	5.61 1.75	5.22 2.17	5.84 2.24	6.15 2.46	14
15	6.46 2.86	6.12 2.34	6.13 3.19	6.04 3.23	5.53 2.99	4.58 2.05	6.43 2.39	6.18 2.25	5.02 1.78	5.56 2.70	6.01 2.19	6.28 2.48	15
16	6.23 2.65	6.10 2.47	6.85 3.31	5.47 3.14	5.53 2.89	4.81 2.11	5.86 2.44	5.56 NR	5.34 2.06	6.09 2.52	6.01 2.16	6.22 2.73	16
17	6.27 2.53	5.78 2.41	6.36 3.53	5.42 3.00	5.90 2.98	5.09 2.33	6.48 2.68	5.17 1.74	5.69 2.62	6.17 2.45	5.92 2.15	6.46 3.05	17
18	6.18 2.41	5.65 2.24	5.92 3.25	5.39 3.00	5.71 2.33	4.85 1.75	5.79 1.96	4.91 1.76	6.34 2.57	6.14 2.07	5.72 2.21	5.97 3.02	18
19	6.26 2.21	5.39 2.28	5.85 3.24	5.70 3.16	6.03 2.39	5.30 1.73	5.63 2.27	5.06 2.12	6.52 2.39	6.58 2.18	5.80 2.48	5.89 2.83	19
20	6.21 2.29	4.97 2.14	5.94 3.31	5.95 3.05	5.80 3.93	5.64 1.91	5.69 2.62	5.37 2.59	6.71 2.33	6.57 2.41	5.65 2.29	5.68 2.93	20
21	5.66 2.11	5.05 2.30	6.72 4.04	6.09 3.89	5.77 2.03	5.73 1.93	5.68 2.97	6.09 2.69	6.79 2.31	6.44 2.46	5.32 2.25	5.64 3.06	21
22	5.39 2.12	5.14 2.45	6.47 3.78	6.25 2.98	5.98 2.14	5.48 3.36	5.49 2.45	6.02 2.26	6.85 2.44	6.13 2.38	5.14 2.35	5.96 2.98	22
23	5.44 1.95	5.09 2.50	6.28 3.66	6.45 3.08	5.97 2.52	5.32 2.00	5.58 2.47	6.37 2.48	6.75 2.31	5.88 2.34	5.09 2.25	5.45 2.77	23
24	5.27 2.20	5.44 2.85	6.55 3.34	6.70 3.12	5.89 2.42	5.20 2.12	5.89 2.45	6.58 2.45	6.58 2.19	5.71 2.30	5.14 2.47	6.45 2.78	24
25	5.18 2.18	6.04 2.84	6.55 3.36	6.53 3.21	5.58 2.61	4.94 2.20	5.86 2.23	6.42 2.48	6.30 2.26	5.47 2.37	5.49 2.73	5.90 2.76	25
26	5.05 2.33	6.56 3.09	6.81 3.27	6.48 3.15	4.93 2.19	5.61 2.28	6.28 2.21	6.56 2.29	6.12 2.07	5.19 2.32	5.91 2.95	5.81 2.42	26
27	4.88 2.12	6.24 3.07	7.05 3.40	6.27 3.10	4.92 1.98	5.68 2.74	6.23 2.19	6.45 2.07	5.79 2.09	4.81 2.27	5.93 2.86	5.82 2.25	27
28	4.99 2.09	6.96 2.81	7.24 3.48	5.96 3.10	5.01 2.33	5.80 2.50	6.21 2.14	5.84 1.74	5.32 1.97	5.35 2.28	5.88 2.59	5.83 2.04	28
29	5.38 2.08	7.21 3.60	6.97 3.59	5.85 3.01		5.62 2.57	6.05 1.95	5.63 1.85	5.33 2.09	5.29 2.60	5.80 2.34	5.82 1.97	29
30	5.79 2.11	7.50 3.69	6.72 3.45	5.36 2.88		6.34 2.95	5.78 1.74	5.44 2.04	5.47 2.36	5.42 2.32	6.26 2.16	6.47 2.40	30
31	5.83 2.23		6.34 3.31	5.10 2.79		6.06 2.19		5.07 1.76		5.57 2.13	6.03 2.22		31
MAXIMUM	6.46	7.50	7.37	7.02	6.26	6.34	6.48	6.69	6.85	6.83	6.37	6.47	MAXIMUM
MINIMUM	1.76	2.07	3.06	2.74	1.98	NR	1.74	NR	1.75	1.88	2.09	1.97	MINIMUM

NR - No record.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 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 30	121 26 06	SW 32 1S 5E		13.2	12-29-1955		JUN 51-DEC 54 ⁸ FEB 55-DATE	1958 1964	 1964	-4.44 -4.47 -3.00	USCGS USCGS USCGS

Station located 30 feet above Tracy Road bridge, 3.5 miles northwest of Tracy.

⁸ - Irrigation season only.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1971	B95420	TOM PAINE SLOUGH ABOVE MOUTH

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	5.56 2.82	6.04 2.13	7.34 4.04	6.12 3.51	6.11 3.32	5.29 2.50	5.94 2.18	5.72 2.06	4.94 2.05	5.71 2.75	5.71 2.26	5.90 2.36	1
2	5.85 2.77	6.17 2.15	7.38 4.05	6.56 3.82	6.23 3.39	5.05 1.92	5.67 2.01	5.22 2.02	5.16 2.56	5.83 2.58	5.91 2.31	6.25 2.64	2
3	6.27 2.99	6.30 2.29	6.62 3.68	5.69 3.36	6.36 3.22	4.89 1.86	5.42 2.02	5.09 2.32	5.47 2.63	6.00 2.37	6.18 2.42	5.98 2.53	3
4	6.17 3.06	6.00 2.46	6.27 3.58	5.65 3.09	6.12 4.11	5.23 2.23	5.19 2.01	5.21 2.24	5.74 2.43	6.33 2.37	6.32 2.42	5.45 2.58	4
5	6.35 2.78	5.95 2.24	5.83 3.23	6.02 3.37	6.16 3.13	5.12 1.76	5.27 2.49	5.26 2.47	5.95 2.39	6.36 2.42	6.06 2.37	6.14 3.10	5
6	6.26 2.75	5.34 2.26	6.60 3.27	6.14 3.81	6.29 3.15	4.67 3.08	5.21 3.20	5.34 2.67	6.08 2.39	6.74 2.43	5.94 2.35	6.02 3.07	6
7	5.85 2.38	5.62 2.25	6.36 3.53	6.30 3.23	5.75 3.20	4.87 1.67	5.15 2.47	5.74 2.70	6.37 2.49	6.82 2.53	5.77 2.40	5.83 2.84	7
8	4.97 1.82	5.18 2.21	6.97 4.05	6.52 3.18	6.14 3.11	5.00 2.06	5.13 2.62	5.69 2.41	6.45 2.51	6.58 2.49	5.41 2.37	6.03 2.79	8
9	5.74 1.98	5.37 2.37	7.21 4.20	6.65 3.27	5.95 2.99	5.04 2.21	5.19 2.45	5.82 2.32	6.57 2.66	6.56 2.47	5.03 2.28	6.41 2.93	9
10	5.92 2.45	5.69 2.78	7.06 3.85	6.62 3.36	5.82 2.75	5.34 2.34	5.69 2.64	6.13 2.50	6.66 2.50	6.12 2.24	5.04 2.35	6.14 2.86	10
11	5.82 2.56	5.86 2.55	6.80 3.45	6.95 3.46	5.61 2.73	4.60 2.29	5.64 2.46	6.49 2.73	6.48 2.48	5.86 2.20	5.46 2.76	5.19 2.73	11
12	5.88 2.95	6.08 2.59	6.90 3.34	6.48 3.58	5.42 2.79	5.31 2.32	5.67 2.34	6.68 2.68	6.41 2.57	5.54 2.11	4.44 2.82	6.01 2.49	12
13	6.01 3.01	5.94 2.37	6.91 3.47	7.03 3.62	5.44 2.89	5.12 2.92	5.93 2.46	6.41 2.43	6.10 2.44	5.11 2.08	5.65 2.61	5.95 2.44	13
14	6.38 3.15	5.95 2.47	6.73 3.50	6.59 3.58	5.23 3.06	5.12 2.40	6.01 2.60	6.35 2.39	5.62 2.01	5.15 2.34	5.85 2.42	6.16 2.63	14
15	6.45 2.96	6.14 2.50	6.17 3.39	6.08 3.51	5.53 3.25	4.70 2.37	6.41 2.61	6.16 2.49	5.04 2.05	5.50 2.85	6.02 2.39	6.29 2.64	15
16	6.25 2.77	6.09 2.62	6.89 3.51	5.48 3.44	5.54 3.14	4.90 2.44	5.85 2.62	5.56 1.82	5.32 2.33	6.04 2.69	5.99 2.37	6.19 2.89	16
17	6.29 2.65	5.79 2.56	6.40 3.76	5.45 3.31	5.95 3.28	5.17 2.66	6.48 2.85	5.19 1.87	5.66 2.85	6.18 2.62	5.92 2.34	6.45 3.19	17
18	6.19 2.52	5.67 2.38	5.96 3.47	5.48 3.26	5.82 2.68	4.96 2.09	5.78 2.19	4.88 2.00	6.30 2.80	6.13 2.27	5.73 2.41	6.02 3.17	18
19	6.28 2.28	5.39 2.42	5.88 3.47	5.79 3.40	6.13 2.76	5.39 2.10	5.64 2.47	5.01 2.34	6.47 2.63	6.58 2.38	5.81 2.66	5.90 2.98	19
20	6.22 2.35	5.05 2.28	5.97 3.55	6.13 3.41	5.89 4.12	5.71 2.24	5.70 2.81	5.33 2.78	6.68 2.61	6.53 2.56	5.62 2.50	5.69 3.06	20
21	5.67 2.17	5.08 2.42	6.74 4.21	6.27 4.15	5.85 2.47	5.80 2.26	5.62 2.65	6.04 2.87	6.79 2.59	6.41 2.63	5.35 2.43	5.66 3.19	21
22	5.40 2.17	5.15 2.56	6.49 4.00	6.44 3.37	6.09 2.54	5.63 3.59	5.43 2.72	5.99 2.44	6.82 2.66	6.15 2.53	5.16 2.53	5.92 3.13	22
23	5.45 2.03	5.09 2.61	6.31 3.92	6.65 3.45	6.08 2.89	5.44 2.36	5.50 2.63	6.32 2.67	6.71 2.57	5.85 2.51	5.07 2.43	5.49 2.92	23
24	5.30 2.25	5.44 2.94	6.58 3.66	6.91 3.51	5.99 2.79	5.30 2.45	5.79 2.64	6.53 2.62	6.54 2.45	5.73 2.48	5.09 2.61	6.46 2.92	24
25	5.20 2.24	6.05 2.96	6.58 3.67	6.75 3.63	5.68 2.98	5.06 2.54	5.78 2.43	6.37 2.69	6.27 2.50	5.50 2.53	5.43 2.90	5.91 2.92	25
26	5.07 2.41	6.57 3.21	6.83 3.58	6.69 3.58	5.02 2.53	5.75 2.61	6.25 2.43	6.52 2.50	6.12 2.32	5.20 2.49	5.87 3.08	5.83 2.58	26
27	4.94 2.16	6.26 3.21	7.08 3.72	6.47 3.53	5.01 2.34	5.83 3.09	6.16 2.42	6.41 2.27	5.78 2.35	4.83 2.45	5.89 3.00	5.82 2.45	27
28	5.00 2.22	6.97 2.94	7.28 3.80	6.18 3.50	5.14 2.63	5.97 2.88	6.18 2.38	5.79 1.93	5.33 2.24	5.26 2.45	5.83 2.77	5.82 2.24	28
29	5.37 2.20	7.23 3.70	7.01 3.88	6.04 3.42		5.80 2.92	6.02 2.18	5.62 2.06	5.29 2.39	5.26 2.77	4.71 2.52	5.86 2.09	29
30	5.79 2.17	7.50 3.83	6.74 3.78	5.54 3.28		6.46 3.31	5.75 1.90	5.45 2.24	5.46 2.54	5.37 2.47	6.27 2.34	6.46 2.47	30
31	5.82 2.28		6.39 3.63	5.34 3.19		6.23 2.58		5.04 1.95		5.52 2.30	5.99 2.39		31
MAXIMUM	6.45	7.50	7.38	7.03	6.36	6.46	6.48	6.68	6.82	6.82	6.32	6.48	MAXIMUM
MINIMUM	1.82	2.13	3.23	3.09	2.34	1.67	1.90	1.82	2.01	2.08	2.26	2.09	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 47 27	121 25 03	NE 4 2S 5E		14.6	12-29-1955		JUNE 51-OCT 53 o APR 54-SEP 66 MAR 68-DATE	1955 1964	 1964 	-4.22 -4.43 -3.00	USCGS USCGS USCGS

Station located 0.1 mile east of mouth of Sugar Cut, 2.2 miles above mouth, 2.6 miles north of Tracy. Station was discontinued September 30, 1966, and reactivated February 26, 1968.

o - Irrigation season only.

TABLE B-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1971	B95340	OLD RIVER AT CLIFTON COURT FERRY

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
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						NO RECORD							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
MAXIMUM													MAXIMUM
MINIMUM													MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 49 28	121 33 05	SE 20 1S 4E		9.7	12-26-1955		DEC 1948-DATE	1948	1952	-2.25	USCGS
								1952		-2.12	USCGS
									1964	-2.56	USCGS
								1964		-3.00	USCGS

Statioo located approximately 2,000 feet below junction with Grant Line Canal. Maximum gage height listed does not indicate maximum discharge.

TABLE B-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1971	B95278	ITALIAN SLOUGH NEAR MOUTH

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	2.60 -0.29	3.05 -0.84	3.29 -0.29	1.98 -1.21	3.07 -0.10	2.25 -0.92	2.93 -1.09	2.76 -1.09	2.13 -1.08	2.77 -0.27	3.07 -0.73	NR NR	1
2	2.91 -0.32	3.19 -0.82	3.32 -0.29	2.22 -0.96	3.12 -0.12	2.14 -1.18	2.64 -1.15	2.19 -1.07	2.26 -0.52	3.02 -0.45	3.12 -0.68	3.42 -0.48	2
3	3.28 -0.09	3.30 -0.68	2.63 -0.70	1.52 -1.45	3.26 -0.42	2.02 -1.18	2.46 -1.14	2.12 -0.88	2.63 -0.52	3.22 -0.69	3.57 -0.71	2.96 -0.61	3
4	3.20 -0.04	3.03 -0.52	2.14 -0.74	1.49 -1.64	3.06 -0.52	2.38 -1.15	2.23 -1.14	2.32 -0.92	2.85 -0.66	3.43 -0.74	3.73 -0.64	2.82 -0.50	4
5	3.41 -0.33	2.97 -0.71	1.77 -1.12	2.69 -1.12	3.06 -0.50	2.18 -1.17	2.39 -0.61	2.25 -0.65	3.02 -0.70	3.63 -0.69	3.51 -0.67	3.25 0.04	5
6	3.33 -0.36	2.62 -0.72	2.30 -1.08	3.05 -0.50	3.20 1.07	1.88 -1.18	2.33 -0.66	2.48 -0.41	3.17 -0.71	3.83 -0.65	3.41 -0.70	3.08 -0.08	6
7	2.91 -0.62	2.16 -0.71	2.25 -0.85	3.18 -0.46	2.84 -0.42	2.03 -1.18	2.29 -0.54	2.84 -0.42	3.42 -0.74	3.96 -0.62	3.30 -0.68	2.95 -0.23	7
8	2.83 -1.06	2.14 -0.76	2.82 -0.28	3.34 0.99	3.03 -0.50	2.09 -0.07	2.30 -0.49	2.83 -0.74	3.54 -0.75	3.82 -0.68	2.90 -0.70	3.05 -0.31	8
9	2.14 -0.96	2.42 -0.57	3.05 0.22	3.42 -0.34	2.82 -0.62	2.06 -1.17	2.31 -0.65	2.80 -0.92	3.66 -0.62	3.74 -0.75	2.42 -0.75	3.52 -0.18	9
10	2.97 -0.51	2.71 -0.41	2.91 -0.57	3.52 -0.21	2.68 -0.89	2.26 -1.05	2.71 -0.52	3.11 -0.78	3.83 -0.72	3.42 -0.89	2.57 -0.67	3.44 -0.25	10
11	2.87 -0.39	2.91 0.01	2.75 -0.89	3.58 -0.07	2.49 -0.90	1.75 -1.00	2.64 -0.79	3.48 -0.59	3.61 -0.79	3.11 -0.94	2.86 -0.19	3.33 -0.35	11
12	2.93 -0.01	3.10 -0.38	2.81 -0.99	3.42 0.04	2.30 -0.80	2.49 -0.91	2.75 -0.88	3.62 -0.59	3.43 -0.77	2.76 -0.99	3.05 -0.19	3.17 -0.62	12
13	3.01 0.08	1.97 -0.64	2.89 -0.90	3.79 0.18	2.21 -0.68	2.26 -0.30	3.02 -0.73	3.41 -0.82	3.08 -0.82	2.53 -0.96	3.32 -0.41	3.12 -0.68	13
14	3.33 0.19	1.97 -1.77	2.66 -0.90	3.32 0.10	2.22 -0.46	2.11 -0.89	3.17 -0.68	3.32 -0.91	2.60 -1.18	1.96 -0.65	1.52 -0.59	3.29 -0.49	14
15	3.37 0.01	2.17 -1.75	2.22 -1.04	2.91 -0.08	2.47 - .13	1.79 -0.99	3.36 -0.71	3.22 -0.81	2.20 -1.15	3.00 -0.10	3.44 -0.69	3.33 -0.44	15
16	3.28 -0.23	2.10 -1.62	2.80 -0.91	2.40 -0.21	2.46 -0.21	1.97 -0.95	3.03 -0.64	2.53 -1.16	2.48 -0.87	3.35 -0.29	3.36 -0.71	3.40 -0.16	16
17	3.30 -0.35	1.77 -1.70	2.28 -0.71	2.35 -0.30	2.88 -0.17	2.25 -0.72	3.37 -0.43	2.09 -1.17	2.89 -0.27	3.61 -0.35	3.34 -0.73	3.59 0.11	17
18	3.21 -0.52	1.62 -1.84	1.83 -0.94	2.40 -0.22	2.72 -0.86	2.14 -1.17	2.65 -1.14	1.92 -1.15	3.40 -0.34	3.56 -0.78	3.11 -0.65	3.26 0.09	18
19	3.28 -0.72	1.25 -1.79	1.83 -1.02	2.70 0.04	3.04 -0.86	2.45 -1.17	2.44 -0.96	2.24 -0.89	3.58 -0.54	3.79 -0.64	3.18 -0.37	2.99 -0.06	19
20	3.13 -0.63	1.02 -1.89	1.95 -0.91	3.01 -0.05	2.89 -1.16	2.77 -1.10	2.52 -0.47	2.55 -0.42	3.69 -0.65	3.87 -0.45	2.95 -0.62	2.81 0.01	20
21	2.68 -0.80	1.09 -1.70	2.58 -0.11	3.19 -0.18	2.91 -1.11	2.88 -1.05	2.61 -0.65	3.28 -0.24	3.77 -0.66	3.84 -0.37	2.60 -0.74	2.86 0.21	21
22	2.32 -0.76	1.21 -1.55	2.33 -0.61	3.37 -0.10	3.16 0.63	2.71 -0.96	2.46 -0.55	3.17 -0.70	3.84 -0.60	3.60 -0.48	2.33 -0.73	2.92 0.09	22
23	2.37 -0.92	1.14 -1.47	2.13 -0.99	3.56 1.49	3.12 -0.71	2.53 -0.87	2.64 -0.57	3.58 -0.47	3.79 -0.73	3.23 -0.50	2.09 -0.87	2.71 -0.14	23
24	2.33 -0.69	1.49 -1.17	2.41 -1.02	3.81 -0.07	2.96 -0.81	2.40 -0.72	3.01 -0.62	3.79 -0.51	3.60 -0.81	3.11 -0.59	2.06 -0.76	3.43 -0.25	24
25	2.20 -0.71	2.08 -0.95	2.43 0.01	3.75 0.00	2.51 -0.62	2.20 -0.31	3.03 -0.79	3.72 -0.63	3.43 -0.74	2.86 -0.49	2.06 -0.52	3.01 -0.17	25
26	2.11 -0.62	2.58 0.11	2.67 -1.16	3.58 -0.09	1.90 -1.04	2.79 -0.63	3.38 -0.79	3.73 -0.72	3.13 -0.90	2.61 -0.50	NR NR	2.94 -0.50	26
27	1.90 -0.73	2.39 -1.00	2.95 -1.03	3.44 -0.14	1.91 -1.15	2.89 -0.26	3.37 -0.78	3.58 -0.82	2.81 -0.92	2.46 -0.56	NR NR	2.92 -0.69	27
28	1.99 -0.90	2.98 -1.10	3.16 -0.94	3.13 -0.11	2.17 -0.76	2.93 -0.50	3.39 -0.94	2.95 -1.17	2.42 -1.01	2.37 -0.53	NR NR	2.94 -0.92	28
29	2.41 -0.94	3.29 -0.56	2.87 -0.82	2.91 -0.15		2.93 -0.40	3.13 -1.05	2.68 -1.11	1.82 -0.88	2.71 -0.22	NR NR	2.15 -0.94	29
30	2.83 -0.78	3.43 -0.44	2.57 -0.96	2.49 -0.27		3.52 -0.04	2.82 -1.15	2.40 -1.05	2.53 -0.53	2.80 -0.49	NR NR	3.39 -0.46	30
31	2.87 -0.69		2.23 -1.12	2.43 -0.29		3.24 -0.77		2.31 -1.17		2.99 -0.69	NR NR		31
MAXIMUM	3.41	3.43	3.32	3.81	3.26	3.52	3.39	3.79	3.84	3.96	NR	3.59	MAXIMUM
MINIMUM	-1.06	-1.89	-1.16	-1.64	-1.16	-1.18	-1.15	-1.17	-1.18	-0.99	NR	-1.58	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 51 38	121 34 48	NW 7 1S 4E		6.34	2-15-1969		MAY 1968-DATE	1968		0.00	USCGS

Station located on Clifton Court Island, 6.1 miles southeast of Byron.

TABLE B-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1971	B95300	GRANT LINE CANAL AT TRACY ROAD BRIDGE

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	3.52 2.82	5.98 2.19	7.33 4.00	6.02 3.37	6.07 3.23	5.20 2.41	3.89 2.13	5.68 2.03	4.86 2.02	5.63 2.74	5.69 2.27	5.84 2.35	1
2	5.81 2.77	6.10 2.20	7.34 4.02	6.40 3.65	6.28 3.30	3.04 1.83	5.62 1.96	5.17 1.99	5.07 2.33	5.73 2.57	6.04 2.33	6.16 2.63	2
3	6.19 2.98	6.21 2.35	6.60 3.62	5.58 3.18	6.34 3.09	4.87 1.77	5.39 1.98	5.03 2.30	5.44 2.39	5.95 2.36	6.27 2.39	5.87 2.50	3
4	6.10 3.04	5.94 2.31	6.23 3.54	5.57 2.92	6.06 3.00	5.21 2.15	5.17 1.98	5.13 2.19	5.69 2.41	6.29 2.34	6.30 2.41	5.49 2.59	4
5	6.28 2.76	5.91 2.29	5.80 3.18	5.94 3.21	6.10 4.21	3.10 1.66	5.22 2.49	5.19 2.45	3.91 2.39	6.28 2.41	6.03 2.38	6.06 3.11	5
6	6.22 2.75	5.37 2.30	6.52 3.21	6.10 3.70	6.25 3.02	4.66 1.60	5.15 2.45	5.30 2.66	6.05 2.39	6.68 2.42	3.89 2.36	5.93 3.04	6
7	5.81 2.38	5.58 2.31	6.30 3.44	6.23 3.07	5.69 3.08	4.85 3.02	5.09 2.98	5.71 2.67	6.33 2.47	6.75 2.53	5.74 2.40	5.74 2.84	7
8	4.89 1.85	5.10 2.25	6.89 3.98	6.59 3.05	6.05 3.00	NR NR	5.07 2.59	5.66 2.38	6.41 2.46	6.50 2.45	5.38 2.38	5.94 2.80	8
9	5.72 2.04	5.29 2.42	7.26 4.42	6.58 3.14	5.83 2.85	NR NR	5.12 2.44	5.77 2.29	6.53 2.60	6.49 2.45	4.99 2.29	6.32 2.92	9
10	5.87 2.50	5.61 2.83	7.03 3.78	6.56 3.26	5.77 2.60	NR NR	5.64 2.60	6.08 2.45	6.64 2.46	6.04 2.22	5.02 2.37	6.07 2.85	10
11	5.76 2.60	5.80 2.60	6.75 3.40	6.87 3.37	5.46 2.58	NR NR	5.58 2.41	6.45 2.63	6.41 2.42	5.80 2.20	5.40 2.79	5.97 2.71	11
12	5.80 2.98	6.00 2.65	6.86 3.30	6.44 3.47	5.35 2.65	NR NR	5.65 2.30	6.62 2.64	6.34 2.49	5.30 2.10	4.44 2.83	5.16 2.48	12
13	5.95 3.05	5.87 2.42	6.85 3.42	6.96 3.55	5.36 2.76	NR NR	5.89 2.43	6.37 2.38	6.05 2.38	5.07 2.08	5.61 2.60	5.90 2.44	13
14	6.29 3.18	5.89 2.46	6.69 3.44	6.52 3.50	5.21 2.93	NR NR	6.00 2.58	6.29 2.34	5.58 1.97	5.00 2.35	5.82 2.42	6.22 2.63	14
15	6.37 3.01	6.09 2.48	6.17 3.32	5.97 3.39	5.47 3.16	NR NR	6.37 2.54	6.13 2.44	4.97 1.99	5.45 2.88	5.99 2.39	6.20 2.65	15
16	6.17 2.81	6.06 2.61	6.88 3.43	5.39 3.30	5.54 3.07	NR NR	5.82 2.58	5.49 1.77	5.26 2.28	5.97 2.70	5.97 2.36	6.10 2.89	16
17	6.21 2.68	5.82 2.54	6.37 3.66	5.36 3.18	5.92 3.17	NR NR	6.42 2.80	3.13 1.83	3.60 2.81	6.15 2.63	5.90 2.35	6.37 3.19	17
18	6.13 2.55	5.70 2.37	5.87 3.40	5.40 3.15	5.80 2.56	4.97 2.02	5.72 2.13	4.86 1.95	6.22 2.76	6.11 2.28	5.70 2.42	5.96 3.14	18
19	6.21 2.32	5.34 2.42	5.83 3.38	5.73 3.31	6.06 2.59	5.38 2.02	5.57 2.40	4.93 2.28	6.43 2.59	6.52 2.38	5.77 2.68	5.83 3.00	19
20	6.16 2.39	4.95 2.28	5.94 3.45	6.06 3.30	5.87 2.30	5.71 2.17	5.64 2.76	5.22 2.75	6.62 2.54	6.47 2.57	5.60 2.49	5.62 3.07	20
21	5.63 2.21	5.01 2.42	6.68 4.13	6.22 3.25	5.81 3.77	5.78 2.20	5.57 2.61	5.94 2.87	6.75 2.53	6.39 2.63	5.30 2.43	5.60 3.20	21
22	5.32 2.22	5.09 2.56	6.43 3.79	6.45 4.40	6.08 2.39	5.63 2.30	5.38 2.65	5.95 2.43	6.75 2.60	6.12 2.55	5.14 2.52	5.84 3.13	22
23	5.38 2.06	5.04 2.61	6.24 3.94	6.60 3.34	6.05 2.76	5.42 3.26	5.46 2.61	6.27 2.63	6.62 2.52	5.83 2.51	4.99 2.44	5.51 2.92	23
24	5.25 2.30	5.40 2.96	6.51 3.50	6.84 3.39	5.94 2.65	5.35 2.40	5.78 2.61	6.46 2.61	6.50 2.38	3.66 2.49	5.06 2.62	6.39 2.90	24
25	5.12 2.29	5.99 2.96	6.51 3.52	6.69 3.51	5.57 2.82	5.10 2.49	5.74 2.42	6.35 2.63	6.21 2.45	5.50 2.54	5.48 2.90	5.85 2.90	25
26	5.00 2.44	6.51 3.21	6.76 3.42	6.71 3.44	4.94 2.41	5.72 2.56	6.19 2.40	6.48 2.46	6.07 2.27	5.18 2.50	5.84 3.09	5.78 2.58	26
27	4.86 2.23	6.22 3.19	7.01 3.55	6.44 3.40	4.90 2.24	5.82 3.00	6.15 2.39	6.38 2.26	5.69 2.28	5.20 2.45	5.85 3.01	5.76 2.42	27
28	4.93 2.22	6.91 2.99	7.28 3.65	6.17 3.39	5.09 2.55	5.84 2.81	6.13 2.32	5.74 1.89	5.17 2.19	4.84 2.45	5.81 2.76	5.72 2.23	28
29	5.30 2.20	7.18 3.68	6.94 3.75	5.94 3.32		5.82 2.85	5.97 2.14	5.57 2.03	5.24 2.31	5.22 2.76	6.17 2.49	5.83 2.12	29
30	5.73 2.22	7.46 3.81	6.66 3.61	5.46 3.18		6.38 3.24	5.73 1.88	5.40 2.20	5.38 2.53	3.87 2.49	6.08 2.35	6.40 2.52	30
31	5.76 2.34		6.31 3.47	5.30 3.10		6.07 2.52		5.01 1.90		5.34 2.30	5.94 2.37		31
MAXIMUM	6.37	7.46	7.34	6.96	6.34	NR	6.42	6.62	6.75	6.75	6.30	6.40	MAXIMUM
MINIMUM	1.85	2.19	3.18	2.92	2.24	NR	1.88	1.77	1.97	2.08	2.27	2.12	MINIMUM

NR - No record.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 49 13	121 26 53	NE 29 1S 5E		14.7	12-11-1930		OCT 40-SEPT 66 MAR 68-DATE	1940 1932 1953 1960 1964	1952 1953 1960 1964	-3.66 -4.13 -2.13 -3.00 -3.56 -3.00	USCGS USCGS USCGS USCGS USCGS USCGS

Station located at Tracy Road bridge crossing, 5 miles north of Tracy. Station was discontinued October 4, 1966, and reactivated March 1, 1968.

TABLE B-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1971	B95270	OLD RIVER NEAR BYRON

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	2.59 -0.31	2.99 -0.89	4.26 0.59	2.87 -0.36	3.02 -0.20	2.31 -0.97	2.86 -1.13	2.69 -1.11	2.11 -1.11	2.70 -0.29	3.10 -0.75	3.24 -0.74	1
2	2.85 -0.36	3.15 -0.88	4.22 0.61	3.14 -0.07	3.10 -0.24	2.14 -1.57	2.58 -1.27	2.10 -1.18	2.21 -0.51	2.96 -0.46	3.20 -0.68	3.46 -0.52	2
3	3.23 -0.13	3.26 -0.73	3.53 0.19	2.42 -0.60	3.13 -0.54	2.05 -1.59	2.40 -1.22	2.05 -0.88	2.58 -0.51	3.16 -0.69	3.63 -0.68	2.99 -0.66	3
4	3.16 -0.07	2.97 -0.59	3.04 0.16	2.45 -0.76	3.01 -0.65	2.44 -1.17	2.17 -1.20	2.26 -0.94	2.78 -0.67	3.38 -0.73	3.74 -0.65	2.91 -0.53	4
5	3.37 -0.37	2.93 -0.77	2.74 -0.23	2.82 -0.47	3.02 -0.62	2.19 -1.73	2.33 -0.63	2.18 -0.64	2.96 -0.74	3.56 -0.69	3.56 -0.68	3.19 -0.02	5
6	3.29 -0.36	2.61 -0.79	3.16 -0.18	2.99 -0.63	3.15 -0.55	1.89 -1.76	2.28 -0.66	2.42 -0.41	3.10 -0.74	3.78 -0.66	3.46 -0.70	3.01 -0.08	6
7	2.87 -0.67	2.15 -0.76	3.23 0.06	3.13 -0.59	2.88 0.91	2.09 -1.33	2.26 -0.53	2.77 -0.43	3.38 -0.70	3.92 -0.58	3.33 -0.67	2.82 -0.28	7
8	2.82 -1.16	2.15 -0.82	3.76 0.63	3.30 0.91	2.98 -0.63	2.12 -1.23	2.25 -0.50	2.76 -0.76	3.50 -0.69	3.77 -0.65	2.98 -0.71	3.01 -0.35	8
9	2.06 -0.99	2.40 -0.62	3.98 0.31	3.42 -0.49	2.70 -0.70	2.15 -0.28	2.25 -0.68	2.72 -0.95	3.63 -0.56	3.68 -0.72	2.58 -0.75	3.38 -0.23	9
10	2.95 -0.54	2.70 -0.46	3.88 1.15	3.49 -0.34	2.55 -0.97	2.19 -1.06	2.64 -0.55	3.02 -0.81	3.77 -0.72	3.37 -0.89	2.64 -0.66	3.49 -0.29	10
11	2.87 -0.43	2.88 -0.04	3.70 -0.01	3.54 -0.20	2.38 -0.95	1.86 -1.00	2.57 -0.82	3.39 -0.60	3.56 -0.79	3.06 -0.94	2.98 -0.16	3.36 -0.40	11
12	2.88 -0.03	3.05 -0.46	3.77 -0.12	3.40 -0.09	2.20 -0.85	2.52 -0.93	2.67 -0.91	3.53 -0.59	3.37 -0.76	2.70 -0.98	3.18 -0.19	3.21 -0.67	12
13	3.01 0.04	2.95 -0.70	3.86 -0.02	3.64 0.06	2.14 -0.74	2.29 -0.33	2.95 -0.76	3.32 -0.84	3.00 -0.84	2.51 -0.96	3.40 -0.42	2.23 -0.71	13
14	3.23 0.22	2.95 -0.85	3.60 -0.01	3.16 -0.03	2.24 -0.53	2.05 -0.90	3.10 -0.70	3.23 -0.89	2.53 -1.23	2.97 -0.66	1.60 -0.59	3.31 -0.54	14
15	3.28 -0.02	3.14 -0.84	3.15 -1.17	2.82 -0.23	2.44 -0.17	1.83 -1.04	3.26 -0.72	3.13 -0.80	2.17 -1.19	1.87 -0.10	3.51 -0.68	3.25 -0.49	15
16	3.26 -0.26	3.06 -0.72	3.77 0.00	2.33 -0.34	2.49 -0.26	1.99 -0.97	3.01 -0.69	2.42 -1.47	2.43 -0.88	3.31 -0.29	3.46 -0.71	3.31 -0.19	16
17	3.28 -0.40	2.72 -0.81	3.22 0.17	2.30 -0.43	2.84 -0.22	2.31 -0.78	3.26 -0.49	1.99 -1.41	2.83 -0.29	3.66 -0.35	3.42 -0.72	3.50 0.10	17
18	3.17 -0.53	2.56 -0.94	2.77 -0.06	2.37 -0.33	2.67 -0.91	2.17 -1.32	2.52 -1.22	1.86 -1.26	3.34 -0.34	3.57 -0.77	3.23 -0.65	3.26 0.06	18
19	3.25 -0.75	2.18 -0.90	2.79 -0.15	2.67 -0.05	3.00 -0.92	2.42 -1.29	2.40 -0.96	2.19 -0.91	3.51 -0.57	3.73 -0.66	3.33 -0.37	2.90 -0.11	19
20	3.04 -0.67	1.96 -0.99	2.92 -0.02	2.97 -0.16	2.85 -1.24	2.73 -1.13	2.45 -0.52	2.56 -0.43	3.61 -0.67	3.83 -0.46	3.15 -0.57	2.83 -0.02	20
21	2.65 -0.85	2.11 -0.79	3.51 0.79	3.14 -0.28	2.87 -1.15	2.79 -1.09	2.52 -0.71	3.27 -0.27	3.68 -0.68	3.85 -0.39	2.89 -0.60	2.94 0.20	21
22	2.27 -0.80	2.22 -0.62	3.25 0.27	3.32 -0.22	3.14 -0.75	2.72 -0.97	2.38 -0.55	3.13 -0.72	3.77 -0.58	3.67 -0.47	2.70 -0.52	2.95 0.06	22
23	2.25 -0.96	2.17 -0.55	3.05 -0.11	3.53 -0.20	3.11 0.35	2.60 -0.88	2.55 -0.59	3.54 -0.49	3.71 -0.70	3.34 -0.52	2.48 -0.61	2.79 -0.18	23
24	2.26 -0.73	2.51 -0.26	3.34 -0.15	3.76 1.49	2.90 -0.86	2.43 -0.74	2.95 -0.63	3.73 -0.53	3.55 -0.79	3.23 -0.54	2.58 -0.39	3.36 -0.26	24
25	2.21 -0.74	3.04 -0.04	3.35 1.09	3.66 -0.14	2.41 -0.65	2.29 -0.64	2.98 -0.82	3.72 -0.59	3.38 -0.73	2.94 -0.48	2.74 -0.11	3.01 -0.21	25
26	2.06 -0.65	3.54 1.06	3.59 -0.30	3.50 -0.23	1.82 -1.09	2.76 -0.03	3.32 -0.80	3.68 -0.72	3.07 -0.91	2.68 -0.52	3.21 0.09	2.96 -0.54	26
27	1.84 -0.97	3.36 -0.11	3.89 -0.19	3.36 -0.27	1.85 -1.21	2.84 -0.31	3.31 -0.79	3.53 -0.83	2.73 -0.88	2.52 -0.54	3.21 0.00	2.89 -0.70	27
28	1.98 -0.64	3.96 -0.17	4.10 -0.09	3.09 -0.24	2.24 -0.78	2.87 -0.54	3.35 -0.92	2.89 -1.27	2.37 -0.99	2.51 -0.51	3.19 -0.30	2.93 -0.92	28
29	2.38 -0.99	4.27 0.33	3.81 0.05	2.81 -0.28		3.01 -0.44	3.08 -1.04	2.61 -1.14	1.73 -0.90	2.76 -0.23	3.37 -0.59	2.09 -0.97	29
30	2.80 -0.84	4.40 0.45	3.50 -0.12	2.45 -0.39		3.45 -0.07	2.74 -1.31	2.34 -1.05	2.48 -0.50	2.90 -0.50	3.37 -0.73	3.30 -0.50	30
31	2.83 -0.73		3.17 -0.27	2.48 -0.41		3.15 -0.81		2.35 -1.33		3.10 -0.69	1.87 -0.73		31
MAXIMUM	3.37	4.40	4.26	3.76	3.15	3.45	3.35	3.73	3.77	3.92	3.74	3.50	MAXIMUM
MINIMUM	-1.16	-0.99	-0.30	-0.76	-1.24	-1.76	-1.31	-1.47	-1.23	-0.98	-0.75	-0.97	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 53 28	121 34 09	NE 31 1N 4E		6.17	2-15-1969		MAY 1963-DATE	1963 1964	1964	-10.42 0.00	USCGS USCGS

Station located at Highway 4 bridge, 4.2 miles east of Byron.

TABLE B-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1971	B95180	OLD RIVER NEAR ROCK SLOUGH

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	5.84 3.11	6.24 2.22	7.50 3.58	6.01 2.55	6.18 2.82	5.64 2.08	6.03 2.07	5.83 2.07	5.37 2.12	4.48 3.00	4.86 2.52	6.61 2.49	1
2	6.11 2.83	6.42 2.23	7.38 3.59	6.19 2.81	6.34 2.73	5.34 1.59	5.74 1.96	5.26 1.98	5.43 2.74	6.20 2.72	6.65 2.57	6.81 2.67	2
3	6.47 3.04	6.49 2.38	6.76 3.17	5.56 2.27	6.25 2.41	5.42 1.58	5.55 2.02	5.23 2.29	5.80 2.75	6.38 2.58	6.90 2.57	6.46 2.50	3
4	6.41 3.10	6.22 2.49	6.23 3.18	5.67 2.22	6.20 2.29	5.87 2.02	5.34 2.05	5.46 2.24	6.01 2.54	6.60 2.36	6.98 2.59	6.40 2.61	4
5	6.64 2.80	6.13 2.32	5.98 2.77	6.04 2.47	6.26 2.31	5.37 1.42	5.52 2.62	5.39 2.57	6.18 2.48	6.77 2.53	6.84 2.55	6.42 3.14	5
6	6.52 2.83	5.80 2.31	6.19 2.83	6.14 2.29	6.32 2.38	5.25 1.41	5.51 2.57	5.65 2.80	6.31 2.46	6.99 2.58	6.75 2.54	6.27 3.13	6
7	6.02 2.51	5.44 2.33	6.51 3.09	6.36 2.33	6.22 2.30	5.50 1.84	5.49 2.70	5.98 2.78	6.61 2.51	7.15 2.68	6.61 2.54	6.14 2.89	7
8	6.03 2.04	5.40 2.28	6.97 3.67	6.54 2.44	6.18 3.73	5.48 1.94	5.47 2.73	5.97 2.44	6.73 2.53	7.02 2.59	6.33 2.50	6.49 2.83	8
9	6.20 2.18	5.70 2.48	7.16 3.28	6.71 4.21	5.75 2.34	5.44 2.11	5.47 2.57	5.90 2.20	6.89 2.69	6.92 2.54	5.98 2.52	6.71 2.95	9
10	5.49 2.61	5.99 2.65	6.96 2.97	6.78 2.58	5.60 2.06	5.35 2.15	5.83 2.60	6.19 2.33	6.97 2.50	6.62 2.34	6.01 2.62	6.73 2.89	10
11	6.12 2.70	6.19 2.67	6.90 4.23	6.81 2.73	5.44 2.12	5.17 2.53	5.76 2.36	6.56 2.54	6.76 2.42	6.31 2.28	6.47 3.11	6.56 2.78	11
12	6.11 3.12	6.30 2.41	6.96 2.87	6.70 2.87	5.25 2.23	5.94 2.26	5.84 2.26	6.68 2.53	6.59 2.47	5.95 2.26	6.60 3.06	6.44 2.50	12
13	6.23 3.19	6.23 3.42	7.08 2.95	6.65 3.06	5.22 2.31	5.51 2.81	6.13 2.39	6.47 2.30	6.21 2.33	5.80 2.30	6.73 2.85	5.40 2.45	13
14	6.41 3.38	6.25 2.17	6.81 2.97	6.16 2.93	5.47 2.55	5.26 2.32	6.26 2.44	6.38 2.27	5.72 1.99	6.25 2.61	6.80 2.67	6.48 2.63	14
15	6.44 3.12	6.41 2.19	6.46 2.79	5.82 2.73	5.72 2.94	5.23 2.10	6.37 2.41	6.27 2.39	5.69 2.04	6.58 3.18	5.30 2.57	6.44 2.70	15
16	6.56 2.87	6.25 2.27	6.83 3.01	5.51 2.61	5.68 2.86	5.37 2.17	6.33 2.52	5.52 1.68	4.92 2.38	5.10 2.98	6.79 2.54	6.49 3.01	16
17	6.54 2.75	5.93 2.20	6.29 3.16	5.49 2.56	6.10 2.92	5.64 2.26	6.36 2.65	5.07 1.71	6.09 2.96	6.95 2.91	6.71 2.52	6.68 3.28	17
18	6.38 2.60	5.75 2.08	6.01 2.91	5.62 2.70	5.74 2.20	5.52 1.85	5.59 1.87	5.07 1.94	6.61 2.89	6.82 2.46	6.60 2.59	6.48 3.25	18
19	6.46 2.40	5.27 2.12	6.02 2.84	5.89 3.01	6.10 2.11	5.67 1.88	5.48 2.19	5.43 2.32	6.74 2.65	6.96 2.57	6.67 2.88	6.08 3.10	19
20	6.11 2.46	5.20 2.05	6.14 3.00	6.15 2.86	5.93 1.87	5.97 2.03	5.59 2.60	5.87 2.84	6.83 2.54	7.08 2.78	6.42 2.66	6.24 3.20	20
21	5.82 2.28	5.44 2.28	6.68 3.86	6.33 2.71	6.00 1.96	5.92 2.09	5.66 2.41	6.54 2.88	6.89 2.50	7.10 2.84	6.18 2.66	6.22 3.39	21
22	5.38 2.37	5.54 2.46	6.36 3.26	6.53 2.76	6.42 2.35	5.89 2.18	5.55 2.60	6.40 2.47	6.98 2.63	6.95 2.76	6.03 2.72	6.16 3.23	22
23	5.40 2.19	5.49 2.54	6.16 2.87	6.74 2.76	6.27 2.24	5.88 2.29	5.74 2.55	6.80 2.68	6.94 2.54	6.76 2.75	5.73 2.66	6.24 3.01	23
24	5.38 2.41	5.84 2.79	6.49 2.77	6.95 2.80	6.11 2.50	5.82 2.42	6.17 2.52	6.98 2.64	6.78 2.45	6.53 2.70	5.85 2.88	6.52 2.94	24
25	5.39 2.40	6.35 3.02	6.48 2.59	6.84 4.30	5.55 2.83	5.66 2.58	6.21 2.30	6.97 2.63	6.60 2.50	6.32 2.74	6.15 3.15	6.31 2.99	25
26	5.19 2.48	6.78 2.92	6.75 4.38	6.66 2.68	4.98 1.95	6.00 3.04	6.54 2.34	6.94 2.46	6.29 2.35	5.95 2.74	6.42 3.35	6.29 2.66	26
27	5.00 2.13	6.69 4.04	7.08 2.71	6.56 2.65	5.06 1.94	6.06 2.82	6.52 2.34	6.79 2.38	5.93 2.39	5.82 2.74	6.44 3.28	6.03 2.50	27
28	5.19 2.10	7.27 2.98	7.12 2.81	6.26 2.68	5.49 2.37	6.11 2.62	6.56 2.33	6.10 1.92	5.61 2.25	5.90 2.79	6.43 2.96	6.10 2.29	28
29	5.65 2.91	7.57 3.31	6.97 2.96	5.84 2.65		6.37 2.70	6.27 2.16	5.81 2.03	5.69 2.32	6.03 3.05	6.55 2.68	5.30 2.25	29
30	6.10 2.28	7.65 3.45	6.65 2.76	5.61 2.55		6.86 3.12	5.90 1.87	5.57 2.24	5.93 2.76	6.20 2.78	6.65 2.52	6.48 2.68	30
31	6.09 2.38		6.32 2.62	5.82 2.57		6.31 2.32		4.79 1.95		6.51 2.58	5.23 2.50		31
MAXIMUM	6.64	7.65	7.50	6.95	6.42	6.86	6.56	6.98	6.98	7.15	6.98	6.81	MAXIMUM
MINIMUM	2.04	2.05	2.59	2.22	1.87	1.41	1.87	1.68	1.99	2.26	2.50	2.25	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
37 59 25	121 34 49	SW 30 2N 4E		10.0	12-26-1955		MAR 1945-DATE	1945		0.00	USED
								1945		-3.00	USCGS
									1964	-3.58	USCGS
								1964		-3.00	USCGS

Station located on American Island (formerly Holland Tract), 1.2 miles north of Rock Slough, 4.7 miles northeast of Knightsen. Station was rendered inoperative by amphibious craft October 1, 1968; reinstalled April 24, 1969.

TABLE B-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1971	B94175	MOKELUMNE RIVER NEAR THORNTON

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	3.23 0.59	3.53 0.14	7.28 6.89	4.38 3.83	3.77 1.71	3.34 1.16	4.57 3.39	3.34 0.66	3.11 1.04	3.49 1.33	3.67 0.20	3.83 0.57	1
2	3.46 0.64	3.68 0.10	8.00 A 7.13 A	4.10 3.29	3.88 1.77	3.12 0.44	4.07 2.63	2.82 0.77	3.17 1.36	3.72 1.25	3.81 0.28	4.02 0.77	2
3	3.77 0.80	3.71 0.22	8.63 A 8.02 A	3.92 2.82	3.83 1.56	3.02 0.50	3.71 2.13	2.90 1.06	3.46 1.48	3.85 1.09	4.00 0.34	3.77 0.43	3
4	3.71 0.92	3.50 0.40	8.26 A 7.09 A	3.93 2.66	3.81 1.44	3.51 0.94	3.45 1.83	3.17 1.06	3.66 1.32	4.03 1.08	4.05 0.34	3.79 0.85	4
5	3.93 0.64	3.39 0.29	9.18 A 7.11 A	3.94 2.24	3.83 2.28	2.89 0.37	3.45 1.83	3.12 0.62	3.77 1.20	4.18 1.14	3.93 0.30	3.83 1.30	5
6	3.78 0.70	3.12 0.18	9.12 A 7.67 A	3.91 1.89	3.84 1.43	2.80 0.19	3.40 1.83	3.08 0.82	3.86 1.17	4.39 1.16	3.87 0.34	3.72 1.30	6
7	3.29 0.21	2.86 0.25	7.66 A 6.10 A	3.99 2.35	3.78 1.45	3.09 1.23	3.38 2.21	3.33 0.73	4.11 1.26	4.50 1.07	3.75 0.38	3.59 0.94	7
8	3.31 -0.13	2.89 0.27	6.10 A 5.18 A	4.07 1.71	3.71 1.34	2.99 0.51	3.35 1.90	3.32 0.49	4.20 1.27	4.33 0.72	3.53 0.34	3.86 0.95	8
9	2.58 0.00	3.19 0.47	5.54 4.89	4.17 1.69	3.37 1.33	3.04 0.40	3.34 1.75	3.27 0.46	4.33 1.42	4.19 0.62	3.22 0.30	4.06 1.11	9
10	3.49 0.39	3.09 0.68	5.59 4.85	4.22 1.75	3.22 1.06	2.96 0.64	3.50 1.57	3.53 0.57	4.38 1.19	4.00 0.53	3.25 0.35	4.11 1.09	10
11	3.46 0.53	3.40 0.01	5.35 4.75	4.24 1.82	3.09 1.03	2.81 0.56	3.41 1.43	3.85 0.82	4.18 1.02	3.74 0.49	3.63 0.72	3.95 1.06	11
12	3.49 0.88	3.40 0.18	5.15 4.41	4.18 1.88	2.95 1.09	3.36 0.71	3.48 1.30	3.97 0.85	4.05 1.09	3.40 0.42	3.75 0.82	3.83 0.85	12
13	3.59 0.92	3.40 -0.10	5.08 4.12	4.38 2.19	2.95 1.15	2.94 0.88	3.65 1.26	3.78 0.67	3.74 0.91	3.30 0.39	3.87 0.63	2.90 0.82	13
14	3.74 1.06	3.46 -0.28	4.85 3.95	5.14 3.46	3.20 1.37	3.03 1.29	3.73 1.31	3.69 0.58	3.23 0.51	3.67 0.56	2.39 0.55	3.87 0.96	14
15	3.76 0.94	3.58 -0.22	4.72 3.63	5.04 4.63	3.43 1.74	2.89 0.74	3.83 1.23	3.61 0.75	2.67 0.41	2.53 0.97	3.93 0.52	3.86 1.06	15
16	3.84 0.74	3.43 -0.20	4.46 3.46	4.29 3.66	3.40 1.68	2.94 0.67	3.78 1.26	2.86 -0.17	3.29 0.65	3.92 0.88	3.94 0.47	3.91 1.30	16
17	3.84 0.64	3.13 -0.31	4.94 2.81	3.77 2.79	3.77 1.85	2.98 0.40	3.78 1.21	2.31 -0.30	3.62 1.13	4.20 0.83	3.88 0.49	4.10 1.61	17
18	3.68 0.54	2.94 -0.47	5.78 4.91	3.74 2.30	3.49 1.25	2.97 0.22	3.11 0.59	2.47 -0.16	4.03 1.18	4.08 0.49	3.63 0.73	3.92 1.53	18
19	3.73 0.31	2.52 -0.47	5.61 A 4.76 A	3.96 2.56	3.86 1.87	3.10 0.21	3.05 0.77	2.80 0.81	4.13 0.98	4.20 0.61	3.44 0.55	3.58 1.38	19
20	3.39 0.36	2.48 -0.54	4.70 4.08	4.09 2.67	3.64 1.81	3.33 0.24	3.18 0.98	3.60 1.55	4.18 0.90	4.28 0.76	2.96 0.55	3.75 1.43	20
21	3.14 0.20	2.74 -0.32	4.68 3.74	4.18 2.56	3.78 2.56	3.31 0.29	3.13 0.70	4.13 1.55	4.22 0.84	4.29 0.77	3.33 0.63	3.72 1.55	21
22	2.74 0.25	2.83 -0.13	5.07 3.97	4.23 3.02	4.04 1.80	3.28 0.24	3.06 0.76	4.02 1.38	4.30 0.98	4.15 0.71	3.05 0.49	3.64 1.49	22
23	2.80 0.16	2.80 -0.06	5.31 4.83	4.33 2.48	3.90 2.00	3.27 1.22	3.17 0.74	4.33 1.56	4.27 0.89	4.02 0.67	3.18 0.63	3.75 1.27	23
24	2.73 0.31	3.14 0.31	4.77 4.11	4.42 2.39	3.89 1.82	3.24 0.51	3.51 0.60	4.44 1.45	4.13 0.78	3.84 0.63	2.74 0.92	3.99 1.32	24
25	2.84 0.35	3.61 0.93	4.40 3.48	4.28 2.28	3.22 1.85	3.22 0.74	3.52 0.40	4.44 1.51	4.02 0.90	3.66 0.66	3.45 1.11	3.74 1.35	25
26	2.48 0.35	4.03 0.62	4.43 2.83	4.12 2.02	2.80 1.23	3.64 1.28	3.81 0.45	4.40 1.28	3.73 0.47	3.32 0.57	3.65 1.05	3.71 1.06	26
27	2.44 0.23	4.10 1.18	4.61 2.62	4.07 1.84	2.96 1.24	7.64 A 2.62 A	3.78 0.40	4.26 1.19	3.31 0.42	3.16 0.44	3.67 0.84	3.46 0.87	27
28	2.60 0.11	4.52 1.54	4.87 2.87	3.87 2.00	3.33 1.50	8.25 A 7.42 A	3.82 0.36	3.61 0.74	3.33 1.23	3.20 0.39	3.70 0.69	3.50 0.73	28
29	3.02 0.00	4.94 1.78	5.21 4.00	3.54 1.89		7.41 A 6.10 A	3.57 0.81	3.36 0.91	3.31 0.93	3.29 0.57	3.83 2.05	2.83 0.69	29
30	3.50 0.07	7.33 A 3.89 A	5.04 4.23	3.38 1.72		6.11 5.18	3.37 0.52	3.25 1.19	2.24 1.07	3.43 0.40	3.85 0.59	3.88 1.00	30
31	3.42 0.78		4.87 4.13	3.53 1.64		5.21 4.15		3.33 0.99		1.92 0.24	2.63 0.58		31
MAXIMUM	3.93	7.33	9.18	5.14	4.04	8.25 A	4.57	4.44	4.38	4.50	4.05	4.11	MAXIMUM
MINIMUM	-0.13	-0.54	2.62	1.64	1.03	0.19	0.36	-0.30	0.41	0.24	0.20	0.43	MINIMUM

A - High flows affected the normal tidal pattern. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 15 20	121 26 21	NW 28 5N 5E		14.5	2-2-1963		FEB 1959-DATE	1959		0.4	USCGS
									1964	-0.48	USCGS
								1964		0.00	USCGS

Station located at highway bridge, 2.3 miles northwest of Thornton. Also known as "Mokelumne River at Benson's Ferry". At times, tidal fluctuation is influenced by operation of the Delta Cross Channel gates.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1971	B94150	MOKELUMNE RIVER, SOUTH FORK, AT NEW HOPE BRIDGE

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	3.25 0.46	3.60 -0.05	5.03 1.77	3.39 0.31	3.51 0.23	3.11 -0.12	3.44 -0.14	3.28 0.14	3.02 0.55	1.94 0.92	2.18 0.22	3.96 0.53	1
2	3.51 0.48	3.78 -0.05	4.89 1.89	3.19 0.31	3.65 0.18	2.86 -0.39	3.09 -0.36	2.75 0.10	3.08 1.01	3.66 0.76	3.97 0.30	4.19 0.71	2
3	3.87 0.67	3.82 0.10	4.46 1.73	2.77 -0.29	3.56 -0.12	2.89 -0.46	2.88 -0.37	2.78 0.42	3.41 1.12	3.81 0.59	4.21 0.35	3.89 0.32	3
4	3.79 0.76	3.57 0.26	3.87 1.85	3.10 -0.26	3.54 -0.24	3.40 -0.01	2.72 -0.40	3.06 0.36	3.62 0.95	4.00 0.54	4.30 0.35	3.85 0.66	4
5	4.02 0.47	3.43 0.13	3.69 1.14	3.42 -0.02	3.38 -0.21	2.69 -0.61	2.91 0.07	2.98 -0.12	3.74 0.86	4.16 0.58	4.17 0.32	3.89 1.10	5
6	3.84 0.54	3.15 0.08	3.96 1.85	3.50 -0.20	3.63 1.27	2.66 -0.65	2.94 0.08	2.97 0.13	3.84 0.83	4.39 0.61	4.12 0.33	3.74 1.11	6
7	3.34 0.05	2.84 0.10	4.15 1.28	3.71 -0.18	3.58 -0.14	2.97 -0.26	2.92 0.19	3.27 0.12	4.13 0.90	4.54 0.69	3.98 0.37	3.62 0.76	7
8	3.53 -0.29	2.87 0.11	4.49 1.43	3.87 1.19	3.50 -0.23	2.92 -0.21	2.86 0.19	3.27 -0.19	4.22 0.89	4.43 0.56	3.73 0.32	3.95 0.77	8
9	2.59 -0.16	3.19 0.31	4.58 1.75	4.02 -0.06	3.09 -0.17	2.93 0.51	2.88 0.07	3.19 -0.42	4.36 1.06	4.31 0.49	3.37 0.31	4.14 0.90	9
10	3.54 0.23	3.21 -0.10	4.40 1.13	4.11 0.08	2.93 -0.46	2.87 -0.01	3.20 0.05	3.47 -0.26	4.43 0.81	4.03 0.26	3.43 0.36	4.18 0.87	10
11	3.50 0.35	3.42 0.30	4.35 0.89	4.13 0.25	2.78 -0.44	2.72 -0.03	3.12 -0.18	3.80 -0.03	4.21 0.66	3.72 0.20	3.85 0.77	3.95 0.79	11
12	3.54 0.72	3.42 -0.02	4.40 0.74	4.07 0.38	2.60 -0.34	3.29 0.14	3.20 -0.27	3.93 0.00	4.04 0.69	3.37 0.15	3.98 0.82	3.82 0.55	12
13	3.65 0.76	3.42 -0.35	4.47 0.78	4.02 0.57	2.59 -0.29	2.85 0.14	3.49 -0.13	3.74 -0.25	3.70 0.55	3.27 0.15	4.07 0.66	2.83 0.50	13
14	3.82 0.93	3.47 -0.52	4.21 0.77	3.60 0.56	2.84 -0.09	2.67 -0.20	3.56 -0.06	3.65 -0.30	3.16 0.18	3.68 0.36	4.13 0.54	3.86 0.62	14
15	3.84 0.77	3.60 -0.51	4.11 0.56	3.22 0.52	3.07 0.33	2.60 -0.49	3.68 -0.11	3.57 0.00	3.21 0.14	3.99 0.82	2.73 0.50	3.85 0.71	15
16	3.92 0.54	3.45 -0.44	4.19 0.72	2.95 0.29	3.01 0.20	2.72 -0.42	3.64 0.10	NR NR	2.32 0.36	2.46 0.75	4.16 0.47	3.92 1.00	16
17	3.93 0.45	3.15 -0.53	3.69 0.79	2.92 0.07	3.46 0.34	2.79 -0.65	3.64 0.08	NR NR	3.60 0.88	4.32 0.73	4.06 0.46	4.13 1.27	17
18	3.74 0.34	2.99 -0.66	3.60 0.80	3.03 0.10	3.08 -0.42	2.81 -0.79	2.82 -0.69	NR NR	4.07 0.90	4.21 0.34	3.97 0.50	3.91 1.19	18
19	3.79 0.10	2.51 -0.65	3.47 0.62	3.28 0.38	3.62 0.35	2.96 -0.77	2.81 -0.31	NR NR	4.20 0.71	4.32 0.45	4.05 0.73	3.54 1.03	19
20	3.42 0.16	2.44 -0.74	3.58 0.63	3.52 0.37	3.22 0.22	3.24 -0.60	3.00 0.01	NR NR	4.26 0.61	4.43 0.63	3.82 0.56	3.73 1.08	20
21	3.16 -0.02	2.70 -0.51	4.06 1.34	3.67 0.26	3.46 0.29	3.23 -0.55	2.98 -0.19	NR NR	4.31 0.57	4.48 0.68	3.60 0.54	3.68 1.23	21
22	2.72 0.05	2.80 -0.34	3.78 0.95	3.83 0.31	3.86 0.58	3.21 -0.45	2.93 -0.04	3.98 0.75	4.42 0.72	4.32 0.60	3.43 0.59	3.59 1.15	22
23	2.79 -0.12	2.73 -0.28	3.59 0.62	4.08 0.36	3.72 1.21	3.19 -0.30	3.07 -0.07	4.33 0.94	4.37 0.62	4.15 0.57	3.13 0.47	3.71 0.91	23
24	2.73 0.07	3.10 0.06	3.89 0.44	4.26 1.84	3.72 0.42	3.14 -0.19	3.45 -0.19	4.46 0.85	4.21 0.54	3.91 0.52	3.28 0.62	3.98 0.95	24
25	2.83 0.07	3.60 0.30	3.85 1.47	4.14 0.40	2.94 0.38	3.06 0.20	3.46 -0.32	4.47 0.94	4.05 0.60	3.71 0.53	3.60 0.93	3.70 0.94	25
26	2.50 0.08	4.01 1.40	4.11 0.24	3.97 0.28	2.47 -0.05	3.38 0.19	3.77 -0.24	4.42 0.70	3.72 0.35	3.32 0.47	3.81 1.12	3.67 0.63	26
27	2.43 -0.18	4.06 0.29	4.40 0.33	3.88 0.22	2.65 -0.02	3.51 0.57	3.75 -0.23	4.25 0.61	3.33 0.35	3.23 0.42	3.80 1.07	3.39 0.42	27
28	2.60 0.03	4.50 0.75	4.47 0.47	3.62 0.27	3.11 0.34	3.80 1.14	3.80 -0.20	3.56 0.17	3.17 0.46	3.30 0.43	3.79 0.84	3.45 0.24	28
29	3.06 -0.21	4.85 0.69	4.40 0.74	3.21 0.21		3.97 0.90	3.53 0.34	3.28 0.34	3.22 0.40	3.39 0.62	3.93 0.65	2.73 0.18	29
30	3.47 -0.04	5.20 1.17	4.08 0.59	3.01 0.08		4.37 1.17	3.33 0.01	3.25 0.69	3.42 0.64	3.56 0.44	3.96 0.55	3.85 0.51	30
31	3.48 0.19		3.76 0.43	3.22 0.05		3.71 0.11		2.50 0.50		3.80 0.26	2.65 0.55		31
MAXIMUM	4.02	5.20	5.03	4.26	3.86	4.37	3.80	NR	4.43	4.54	4.30	4.19	MAXIMUM
MINIMUM	-0.29	-0.74	0.24	-0.29	-0.46	-0.79	-0.69	NR	0.14	0.15	0.22	0.18	MINIMUM

NR - No record.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 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 13 33	121 29 24	NW 1 4N 4E		13.3	12-23-1955		AUG 1920-DATE	1920	1940	0.26	USED
								1940		0.00	USCGS
								1940		2.84	USED
									1964	-0.62	USCGS
								1964		0.00	USCGS

Station located south of Walnut Grove-Thornton Highway bridge, 3.8 miles west of Thorotoo. At times, tidal fluctuation is influenced by operation of the Delta Cross Channel gates.

TABLE B-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1971	B95100	SAN JOAQUIN RIVER AT SAN ANDREAS LANDING

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	5.80 2.91	6.19 2.28	7.47 3.59	5.91 2.55	6.11 2.85	5.56 1.96	5.98 2.14	5.77 2.11	4.36 2.19		NR NR	2.67 -0.15	1
2	6.09 3.48	6.39 2.28	7.30 3.67	5.85 2.70	6.27 2.76	5.29 1.65	5.67 1.95	5.22 2.02	5.39 2.81		NR NR	4.07 0.03	2
3	6.44 3.09	6.44 2.45	6.75 3.19	5.35 2.12	6.17 2.44	5.38 1.64	5.48 2.09	5.19 2.36	5.76 2.84		NR NR	3.74 -0.19	3
4	6.39 3.15	6.17 2.56	6.20 3.25	5.60 2.23	6.14 2.31	5.89 2.08	5.28 2.12	5.43 2.28	5.98 2.60		NR NR	3.68 -0.03	4
5	6.62 2.86	6.07 2.42	5.92 2.79	5.99 2.48	6.19 2.32	5.27 1.46	5.46 2.64	5.32 2.64	6.15 2.55		NR NR	3.70 0.49	5
6	6.48 2.90	5.74 2.37	6.13 2.87	6.07 2.31	6.26 2.38	5.20 1.46	5.49 2.66	5.60 2.87	6.28 2.52		4.05 -0.10	3.55 0.50	6
7	5.98 2.45	5.37 2.38	6.51 3.12	6.32 2.33	6.19 2.31	5.45 1.87	5.46 2.72	5.94 2.84	6.58 2.57		3.90 -0.08	3.43 0.23	7
8	5.99 2.12	5.36 2.32	6.95 3.71	6.50 2.45	6.10 2.36	5.41 1.90	5.41 2.77	5.93 2.50	6.70 2.57		3.62 -0.13	3.76 0.20	8
9	6.16 2.25	5.67 2.54	7.10 3.29	6.67 2.59	5.66 2.08	5.39 2.16	5.43 2.66	5.84 2.25	6.87 2.72		3.26 -0.12	3.98 0.31	9
10	5.44 2.67	5.95 2.70	6.90 2.99	6.76 2.74	5.51 3.18	5.30 2.20	5.77 2.64	6.13 2.38	6.94 2.55	N	3.30 0.02	4.02 0.25	10
11	6.09 2.78	6.15 2.74	6.83 2.88	6.79 4.33	5.35 2.14	5.14 2.35	5.72 2.41	6.52 2.58	6.73 2.46	O	3.74 0.49	3.83 0.14	11
12	6.09 3.15	6.20 2.41	6.94 4.56	6.68 2.87	5.16 2.28	5.92 3.01	5.79 2.31	6.64 2.55	6.56 2.46	R	3.90 0.48	3.70 -0.12	12
13	6.18 3.23	6.17 3.45	7.03 2.97	6.59 3.07	5.14 2.35	5.46 2.78	6.08 2.42	6.41 2.36	6.20 2.35	E C	4.01 0.15	3.74 -0.18	13
14	6.37 3.16	6.21 2.21	6.77 2.99	6.08 2.95	5.39 2.58	5.22 2.41	6.20 2.48	6.32 2.28	5.65 2.07	O	4.08 0.06	2.83 -0.01	14
15	6.40 3.48	6.35 2.24	6.54 2.82	5.71 2.75	5.66 2.98	5.17 2.16	6.31 2.45	6.22 2.45	5.65 2.11	R D	2.58 -0.04	3.71 0.06	15
16	6.51 2.93	6.18 2.31	6.79 3.04	5.43 2.63	5.59 2.91	5.31 2.22	6.27 2.60	5.39 1.69	6.06 2.46		4.08 -0.09	3.75 0.37	16
17	6.52 2.82	5.86 2.24	6.21 3.19	5.42 2.57	6.04 2.98	5.51 2.17	6.28 2.70	5.00 1.67	4.82 3.02		3.99 -0.10	3.94 0.66	17
18	6.34 2.67	5.70 2.12	6.04 2.98	5.56 2.73	5.68 2.24	5.48 1.91	5.46 1.91	4.82 1.99	6.58 2.90		3.88 -0.03	3.72 0.57	18
19	6.42 2.46	5.18 2.16	5.97 2.85	5.83 3.04	5.98 2.06	5.61 1.95	5.39 2.25	5.40 2.38	6.71 2.70		3.95 0.25	3.34 0.46	19
20	6.06 2.52	5.13 2.10	6.11 3.04	6.10 2.89	5.77 1.89	5.91 2.08	5.54 2.63	5.89 2.92	6.80 2.58		3.70 0.01	3.50 0.74	20
21	5.78 2.35	5.39 2.34	6.63 3.91	6.26 2.74	5.94 1.98	5.88 2.11	5.60 2.44	6.49 2.84	6.88 2.56		3.47 0.01	3.47 0.80	21
22	5.30 2.45	5.51 2.52	6.30 3.28	6.45 2.78	6.34 2.36	5.84 2.20	5.50 2.63	6.40 2.53	6.93 2.63		3.32 0.09	3.41 0.61	22
23	5.35 2.26	5.44 2.60	6.10 2.89	6.70 2.74	6.19 2.25	5.83 2.30	5.71 2.59	6.80 2.74	6.91 2.57		3.00 0.03	3.53 0.37	23
24	5.25 2.44	5.81 2.86	6.43 2.79	6.89 2.82	6.08 2.54	5.76 2.45	6.12 2.48	6.97 2.68	6.78 2.49		3.16 0.25	3.79 0.34	24
25	5.33 2.46	6.32 3.05	6.42 2.59	6.76 2.68	5.43 1.88	5.68 2.71	6.16 2.34	6.96 2.67	6.57 2.54		3.43 0.55	3.57 0.38	25
26	5.09 2.49	6.76 2.96	6.71 2.71	6.58 4.02	4.88 2.07	5.98 3.11	6.52 2.39	6.93 2.51	6.25 2.37		3.67 0.73	3.59 0.04	26
27	4.95 2.19	6.76 3.17	7.03 2.80	6.48 2.64	4.99 1.98	6.03 2.83	6.51 2.37	6.76 2.45	5.90 2.43		3.67 0.65	3.29 -0.14	27
28	5.13 2.16	7.24 4.81	7.05 4.45	6.19 2.68	5.51 2.43	6.07 2.65	6.52 2.34	6.05 1.95	5.59 2.30		3.67 0.33	3.36 -0.33	28
29	5.60 2.33	7.57 3.26	6.93 2.97	5.73 2.63		6.34 2.74	6.23 2.17	5.76 2.09	5.65 2.38		3.81 0.08	3.74 -0.37	29
30	6.08 2.46	7.66 3.47	6.58 2.75	5.54 2.55		6.83 3.14	5.83 1.91	5.55 2.33	5.90 2.78		3.90 -0.08	2.58 0.03	30
31	6.06 2.45		6.25 2.62	5.77 2.59		6.24 2.30		5.33 2.07			3.87 -0.11		31
MAXIMUM	6.62	7.66	7.47	6.89	6.34	6.83	6.52	6.97	6.94		NR	4.07	MAXIMUM
MINIMUM	2.12	2.10	2.59	2.12	1.88	1.46	1.91	1.67	2.07		NR	-0.37	MINIMUM

NR - No record.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 06 12	121 35 26	SE 13 3N 3E		9.7	12-26-1955		MAY 1952-DATE	1952		-2.84	USCGS
									1964	-3.39	USCGS
								1964	AUG 1971	-3.00	USCGS
								1971		0.00	USCGS

Station located approximately 1.2 miles below Mokelumne River.

TABLE B-12 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1971	B95060	THREE MILE SLOUGH AT SAN JOAQUIN RIVER

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	2.66	NR	4.37	2.65		NR	2.91	2.64	1.20	NR	3.53	2.21	1
	-0.12	NR	0.54	-0.35		NR	-0.87	-0.83	-0.77	NR	-0.40	-0.53	
2	2.93	NR	4.21	2.59		NR	2.58	2.04	2.27	NR	2.10	3.67	2
	0.48	NR	0.59	-0.19		NR	-0.90	-0.88	-0.21	NR	-0.39	-0.34	
3	3.22	NR	3.66	1.97		NR	2.38	2.11	2.65	NR	3.77	3.34	3
	0.01	NR	0.14	-0.75		NR	-0.87	-0.68	-0.15	NR	-0.39	-0.56	
4	3.22	NR	3.00	2.30		2.75	2.19	2.35	2.88	NR	3.87	3.32	4
	0.08	NR	0.34	-0.66		-0.95	-0.86	-0.74	-0.41	NR	-0.39	-0.39	
5	3.43	NR	2.84	2.71		2.18	2.38	2.24	3.03	NR	3.74	3.34	5
	-0.16	NR	-0.24	-0.44		-1.39	-0.41	-0.36	-0.47	NR	-0.45	0.10	
6	3.34	NR	3.04	2.81		2.11	2.40	2.52	3.14	NR	3.68	3.17	6
	-0.10	NR	-0.16	-0.62		-1.39	-0.41	-0.16	-0.51	NR	-0.45	0.11	
7	2.77	NR	3.43	3.06		2.37	2.42	2.87	3.37	3.90	3.53	3.05	7
	-0.50	NR	0.11	-0.61		-1.06	-0.29	-0.21	-0.47	-0.31	-0.45	-0.12	
8	2.82	NR	3.91	3.24		2.35	2.36	2.90	3.43	3.79	3.21	3.39	8
	-0.77	NR	0.69	-0.49		-0.98	-0.26	-0.49	-0.47	-0.42	-0.49	-0.16	
9	3.01	NR	4.02	3.41		2.30	2.39	2.72	3.71	3.56	2.84	3.58	9
	-0.73	NR	0.25	-0.34		-0.89	-0.37	-0.73	-0.32	-0.46	-0.46	-0.07	
10	2.13	NR	3.84	3.50	N	2.19	2.75	3.10	3.75	3.34	2.93	3.62	10
	-0.34	NR	-0.06	-0.15		-0.83	-0.41	-0.63	-0.47	-0.59	-0.34	-0.12	
11	2.91	NR	3.79	3.52	O	2.07	2.66	3.34	3.45	2.93	3.39	3.42	11
	-0.24	NR	-0.15	1.45		-0.64	-0.62	-0.47	-0.54	-0.61	0.15	-0.24	
12	2.89	NR	3.89	3.41	R	2.63	2.72	3.53	3.29	2.54	3.52	3.30	12
	0.06	NR	-0.08	-0.02		-0.02	-0.72	-0.53	-0.55	-0.64	0.14	-0.47	
13	3.00	2.92	3.97	3.32	E	2.41	3.02	3.35	2.97	2.61	3.64	3.34	13
	0.19	0.56	1.78	0.19	C	-0.26	-0.56	-0.69	-0.65	-0.57	-0.09	-0.53	
14	3.22	2.99	3.71	2.77	O	2.20	3.15	3.20	2.40	3.10	3.69	2.42	14
	0.07	-0.63	-0.06	0.05		-0.55	-0.57	-0.76	-0.82	-0.28	-0.27	-0.36	
15	3.30	3.20	3.20	2.43	R	2.13	3.22	3.06	2.32	3.45	3.65	3.30	15
	0.44	-0.66	-0.21	-0.15	D	-0.86	-0.62	-0.68	-0.81	0.24	-0.37	-0.29	
16	3.42	2.99	3.67	2.10		2.28	3.22	2.30	2.90	3.77	2.17	3.33	16
	-0.12	-0.62	0.05	-0.27		-0.81	-0.49	-1.03	-0.48	0.05	-0.44	0.00	
17	3.41	2.62	3.11	2.07		2.47	3.17	1.92	1.65	1.96	3.58	3.49	17
	-0.27	-0.67	0.19	-0.31		-0.72	-0.41	-1.02	0.03	-0.03	-0.45	0.29	
18	3.25	2.57	2.57	2.23		2.41	2.40	1.73	3.43	3.69	3.50	3.31	18
	-0.40	-0.72	0.05	-0.13		-0.98	-0.92	-0.89	-0.08	-0.48	-0.39	0.22	
19	3.29	2.10	2.82	2.49		2.53	2.31	2.30	3.53	3.83	3.57	2.95	19
	-0.58	-0.79	-0.08	0.18		-0.96	-0.81	-0.65	-0.30	-0.42	-0.12	0.12	
20	2.92	2.07	2.91	2.99		2.82	2.43	2.75	3.41	3.97	3.33	3.06	20
	-0.48	-0.82	0.13	-0.12		-0.89	-0.48	-0.12	-0.41	-0.24	-0.36	0.35	
21	2.66	2.34	3.03	3.19		2.79	2.52	3.38	3.53	3.94	3.09	3.06	21
	-0.66	-0.66	1.06	-0.27		-0.88	-0.66	-0.15	-0.45	-0.18	-0.36	0.46	
22	2.17	2.46	2.58	3.38		2.78	2.46	3.26	3.74	3.82	2.89	3.02	22
	-0.52	-0.48	0.35	-0.26		-0.84	-0.42	-0.49	-0.42	-0.23	-0.27	0.20	
23	2.24	2.42	2.87	3.62		2.80	2.69	3.66	3.79	3.66	2.59	3.11	23
	-0.73	-0.40	-0.04	-0.26		-0.73	-0.48	-0.29	-0.49	-0.25	-0.30	0.02	
24	2.11	2.78	3.17	3.83		2.74	3.09	3.66	3.58	3.40	2.72	3.36	24
	-0.57	-0.16	-0.13	-0.25		-0.61	-0.60	-0.34	-0.54	-0.32	-0.06	-0.05	
25	2.17	3.31	3.13	3.70		2.68	3.16	3.71	3.45	3.15	3.01	3.18	25
	-0.56	0.05	-0.30	-0.37		-0.31	-0.67	-0.41	-0.50	-0.25	0.16	0.04	
26	1.91	3.69	3.42	3.55		2.97	3.52	3.75	NR	2.77	3.25	3.18	26
	-0.48	-0.07	-0.19	-0.41		0.02	-0.68	-0.53	NR	-0.23	0.40	-0.28	
27	1.71	3.78	3.75	3.46		3.00	3.47	3.55	NR	2.70	3.24	2.84	27
	-0.74	0.33	-0.11	0.83		-0.22	-0.71	-0.50	NR	-0.23	0.26	-0.48	
28	1.96	4.22	3.77	3.16		3.05	3.51	2.79	NR	2.77	3.26	2.94	28
	-0.75	0.23	1.57	-0.37		-0.41	-0.75	-0.85	NR	-0.15	-0.04	-0.64	
29	2.46	4.47	3.66	2.71		3.33	3.19	2.64	NR	2.88	3.39	3.33	29
	-0.68	2.07	0.08	-0.39		-0.33	-0.86	-0.82	NR	0.14	-0.24	-0.71	
30	2.94	4.54	3.25	NR		3.76	2.74	2.37	NR	3.07	3.49	2.18	30
	-0.55	0.42	-0.17	NR		0.00	-0.94	-0.67	NR	-0.10	-0.44	-0.33	
31	2.88		2.97	NR		3.18		2.21		3.38	3.45		31
	0.59		-0.31	NR		-0.73		-0.86		-0.32	-0.48		
MAXIMUM	3.43	NR	4.37	NR	NR	NR	3.52	3.75	NR	NR	3.87	3.67	MAXIMUM
MINIMUM	-0.77	NR	-0.31	NR	NR	NR	-0.94	-1.03	NR	NR	-0.49	-0.71	MINIMUM

NR - No record.

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 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 05 15	121 41 08	SE 19 3N 3E		5.9	4-6-1958		JUNE 1929-DATE	1929	1940	0.00	USED
								1940	1959	0.00	USCGS
								1959		-10.00	USCGS
								1959		-7.11	USED
									1964	-10.45	USCGS
								1964		0.00	USCGS

Station located on Sherman Island, 4.9 miles south of Rio Vista. Maximum of record is maximum recorded stage -- record not complete in December 1955.

TABLE B-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1971	B95020	SAN JOAQUIN RIVER AT ANTIOCH

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	2.76 -0.67	3.11 -1.39	4.36 -0.17	2.81 -1.22	3.14 -0.58	2.54 -1.66	2.85 -1.49	2.51 -1.52	2.26 -1.23	3.04 -0.29	3.46 -0.89	3.60 -1.19	1
2	3.03 -0.56	3.28 0.72	4.15 -0.11	2.86 -1.01	3.27 -0.82	2.29 -2.00	2.45 -1.56	2.09 -1.54	2.63 -0.61	3.21 -0.61	3.68 -0.93	2.14 -1.02	2
3	3.31 -0.50	3.31 -1.23	3.58 -0.58	2.36 -1.46	3.07 -1.16	2.31 -1.95	2.30 -1.46	2.30 -1.29	2.89 -0.65	3.42 -0.85	3.80 -0.96	3.35 -1.23	3
4	3.27 0.65	3.05 -1.06	3.07 -0.39	2.64 -1.20	3.02 -1.32	2.64 -1.63	2.12 -1.41	1.64 -1.24	1.26 -0.97	3.57 -1.00	2.04 -1.05	3.36 -1.06	4
5	3.43 -0.72	2.90 -1.14	2.81 -0.88	2.99 -1.09	3.06 -1.34	2.10 -2.21	2.34 -0.98	2.28 -0.78	2.99 -1.12	1.91 -1.05	3.71 -1.11	3.40 -0.54	5
6	3.27 -0.66	2.60 -1.20	3.04 -0.71	3.03 -1.35	3.17 -1.30	2.04 -2.18	2.35 -0.97	2.62 -0.64	3.15 -1.20	3.82 -1.04	3.72 -1.09	3.22 -0.56	6
7	2.76 -1.08	2.27 -1.17	3.49 -0.31	3.27 -1.37	3.12 -1.39	2.32 -1.80	2.46 -0.84	2.96 -0.79	3.43 -1.14	4.02 -1.00	3.56 -1.09	3.14 -0.80	7
8	2.81 -1.46	2.30 -1.25	3.96 0.09	3.48 -1.28	3.05 -1.32	2.34 -1.69	2.39 -0.75	2.97 -1.09	3.63 -1.20	3.88 -1.16	3.27 -1.10	3.46 -0.37	8
9	3.04 -1.33	2.66 -0.97	4.11 -0.47	3.68 -1.17	2.61 -1.61	2.29 -1.52	2.46 -0.87	2.89 -1.43	3.76 -1.12	3.78 -1.27	2.88 -1.06	3.62 -0.69	9
10	2.98 -0.93	2.95 -0.89	3.89 -0.73	3.77 -0.97	2.48 -1.50	2.20 -1.43	2.79 -1.00	3.13 -1.29	3.79 -1.25	3.43 -1.39	2.98 -0.86	3.60 -0.74	10
11	2.55 -0.85	3.25 -0.96	3.81 -0.85	3.81 -0.84	2.33 -1.31	2.08 -1.26	2.69 -1.24	3.46 -1.12	3.61 -1.27	3.16 -1.40	3.40 -0.26	3.36 -0.86	11
12	2.97 -0.58	3.30 -1.33	3.90 -0.76	3.64 -0.65	2.10 -1.22	2.95 -0.56	2.78 -1.32	3.52 -1.22	3.43 -1.34	2.86 -1.34	3.52 -0.33	3.22 -1.09	12
13	3.11 -0.40	3.24 -1.53	3.99 -0.75	3.54 -0.76	2.13 -0.90	2.44 -0.79	3.02 -1.15	3.34 -1.38	3.00 -1.44	2.77 -1.21	3.62 -0.62	3.27 -1.15	13
14	3.35 -0.61	3.24 -1.48	3.69 -0.89	2.98 0.69	2.37 -0.47	2.22 -1.08	3.14 -1.21	3.22 -1.46	2.48 -1.63	3.19 -0.79	3.64 -0.80	3.29 -1.00	14
15	3.37 -0.84	3.34 0.63	3.41 1.21	2.57 -0.92	2.56 -0.40	2.19 -1.39	3.14 -1.23	3.06 -1.40	2.60 -1.48	3.48 -0.22	3.62 -0.95	2.51 -0.91	15
16	3.44 -0.97	3.11 -1.41	3.64 -0.61	2.31 -0.97	2.53 -0.50	2.31 -1.34	3.09 -1.12	2.26 -2.05	3.00 -1.00	3.75 -0.48	3.55 -1.05	3.34 -0.63	16
17	3.42 0.41	2.74 -1.45	3.04 -0.48	2.31 -0.90	2.91 -0.53	2.48 -1.37	3.04 -1.15	1.98 -1.98	3.53 -0.51	3.69 -0.65	2.12 -1.08	3.49 -0.36	17
18	3.23 -1.06	2.48 -1.48	2.93 -0.61	2.46 -0.61	2.49 -1.19	2.45 -1.60	2.27 -1.70	2.40 -1.60	3.63 -0.73	3.84 -1.09	3.51 -1.03	3.30 -0.37	18
19	3.22 -1.20	2.03 -1.41	2.85 -0.65	2.69 -0.26	2.74 -1.51	2.42 -1.56	2.23 -1.45	2.80 -1.23	1.84 -1.29	2.13 -1.06	3.58 -0.76	2.96 -0.48	19
20	2.86 -1.09	2.07 -1.42	2.96 -0.34	2.94 -0.56	2.61 -1.74	2.70 -1.47	2.44 -1.17	3.41 -0.68	3.67 -1.19	3.97 -0.90	3.35 -0.96	3.05 -0.17	20
21	2.60 -1.22	2.36 -1.08	3.50 0.63	3.08 -0.79	2.75 -1.75	2.69 -1.52	2.49 -1.33	1.78 -0.80	3.77 -1.21	3.95 -0.86	3.08 -0.95	3.05 -0.41	21
22	2.12 -0.98	2.50 -0.87	3.16 -0.22	3.29 -0.84	3.16 -1.39	2.75 -1.51	2.50 -1.07	3.41 -1.18	3.88 -1.21	3.81 -0.90	2.90 -0.87	3.01 -0.59	22
23	2.21 -1.24	2.45 -0.74	2.92 -0.68	3.55 -0.90	3.16 -1.51	2.84 -1.44	2.79 -1.12	3.83 -1.02	3.82 -1.25	3.64 -0.93	2.59 -0.81	3.06 0.43	23
24	2.13 -1.09	2.83 -0.66	3.29 -0.87	3.81 -0.93	3.02 -1.42	2.82 -1.25	3.15 -1.31	3.93 -1.15	3.69 -1.27	3.41 -0.95	2.73 -0.50	3.24 -0.65	24
25	2.23 -1.07	3.35 -0.50	3.27 -1.12	3.70 -1.09	2.44 -1.89	2.75 -0.97	3.28 -1.43	3.87 -1.27	3.44 -1.26	3.14 -0.84	3.00 -0.30	3.09 -0.52	25
26	2.06 -1.01	3.68 -0.68	3.63 -1.05	3.55 -1.14	1.85 -1.79	3.10 -0.57	3.65 -1.40	3.83 -1.36	3.06 -1.29	2.73 -0.79	3.20 -0.10	2.99 -0.87	26
27	1.90 -1.37	3.79 -0.36	3.95 -0.98	3.52 -1.11	1.91 -1.37	3.07 -0.88	3.54 -1.47	3.61 -1.23	2.74 -1.21	2.69 -0.74	3.13 -0.22	2.68 -1.02	27
28	2.10 -1.44	4.32 -0.42	4.01 -0.79	3.21 -1.10	2.42 -1.28	3.14 -1.10	3.55 -1.48	2.96 -1.76	2.46 -1.24	2.77 -0.51	3.07 -0.60	2.78 -1.22	28
29	2.59 -1.30	4.53 -0.26	3.88 -1.06	2.77 -0.06		3.42 -1.02	3.18 -1.62	2.59 -1.57	2.52 -1.02	2.81 -0.23	3.20 -0.78	3.27 -1.31	29
30	3.06 -1.21	4.57 1.69	3.54 0.69	2.56 -1.16		3.78 -0.77	2.65 -1.78	2.32 -1.33	2.79 -0.51	3.02 -0.51	3.37 -0.98	2.73 -0.98	30
31	2.98 -1.40		3.19 -1.19	2.82 -1.01		3.19 -1.42		2.20 -1.46		3.28 -0.76	3.36 -1.09		31
MAXIMUM	3.44	4.57	4.36	3.81	3.27	3.78	3.65	3.93	3.88	4.02	3.80	3.62	MAXIMUM
MINIMUM	-1.46	-1.53	-1.19	-1.46	-1.89	-2.21	-1.78	-2.05	-1.63	-1.40	-1.11	-1.31	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R., M.D.B. & M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 01 04	121 48 06	SW 18 2N 2E		6.2	12-26-1955		JUNE 1929-DATE	1929	1940	0.00	USED
								1940	1957	0.00	USCGS
								1957	1957	-9.71	USCGS
								1957		-9.96	USCGS
								1957		-6.97	USED
									1964	-10.11	USCGS
								1964		0.00	USCGS

Station located in pump house on wharf at city water works immediately north of Antioch.

TABLE B-12 (CONT.)

DAILY MAXIMUM AND MINIMUM TIDES

(IN FEET)

WATER YEAR	STATION NUMBER	STATION NAME
1971	E03300	SUISUN BAY AT BENICIA

DATE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	DATE
1	3.10 -1.64	3.39 -2.62	4.50 -1.68	3.02 -2.58	3.46 -1.66	2.86 -2.98	2.90 -3.06	2.54 -2.70	2.37 -1.81	3.03 -0.95	3.38 -1.79	3.55 -2.36	1
2	3.35 -1.69	3.51 -2.46	4.18 -2.30	3.08 -2.82	3.43 -2.09	2.68 -3.25	2.43 -2.88	2.36 -2.46	2.58 -1.09	3.14 -1.43	3.56 -1.94	3.51 -2.31	2
3	3.42 -1.82	3.47 -2.15	3.70 -1.85	2.50 -2.03	3.16 -2.51	2.59 -3.10	2.29 -2.68	2.43 -2.16	2.81 -1.54	3.33 -1.81	3.81 -2.08	3.62 -2.54	3
4	3.36 -1.95	3.29 -2.11	3.13 -2.34	2.87 -2.08	3.14 -2.76	2.71 -2.84	2.21 -2.55	2.48 -2.03	3.05 -2.05	3.59 -2.06	3.79 -2.34	2.82 -2.30	4
5	3.45 -1.73	2.98 0.97	2.89 -0.13	3.20 -2.37	3.19 -2.90	2.25 -3.48	2.36 -2.24	2.81 -1.44	3.21 -2.38	3.85 -2.28	3.92 -2.52	3.67 -1.93	5
6	3.26 0.85	2.70 -2.20	3.14 -2.01	3.23 -2.83	3.30 -2.94	2.29 -3.45	2.59 -2.24	3.11 -1.64	3.48 -2.57	4.05 -2.35	2.31 -2.48	3.45 -1.73	6
7	2.87 -2.06	2.59 -2.16	3.59 -1.32	3.45 -3.00	3.32 -3.02	2.45 -3.07	2.56 -2.07	3.17 -1.93	3.71 -2.66	2.27 -2.39	3.80 -2.55	3.56 -1.92	7
8	2.91 -2.43	2.70 -2.28	4.03 -1.60	3.69 -2.94	3.25 -2.99	2.55 -2.93	2.18 -1.86	1.96 -2.27	2.13 -2.70	4.02 -2.76	3.48 -2.46	3.84 -1.85	8
9	3.13 -2.30	3.09 -1.91	4.16 -2.35	3.95 -2.84	2.86 -3.18	2.53 -2.81	2.65 -2.05	3.08 -2.76	3.84 -2.82	3.92 -2.89	3.09 -2.27	3.88 -1.92	9
10	3.14 -1.96	3.46 -2.01	3.97 -2.70	4.04 -2.59	2.77 -2.94	2.46 -2.63	2.93 -2.33	3.24 -2.76	3.91 -2.90	3.60 -2.99	3.28 -1.92	3.70 0.13	10
11	3.09 -1.93	3.72 -2.24	3.98 -2.87	4.17 -2.42	2.62 -2.62	2.40 -2.28	2.86 -2.63	3.42 -2.73	3.76 -2.87	3.31 -2.82	3.59 -1.22	3.44 -2.03	11
12	3.06 -1.84	3.63 -2.78	4.11 -2.80	3.88 -2.17	2.30 -2.40	3.33 -1.49	2.94 -2.75	3.50 -2.86	3.52 -2.88	3.01 -2.55	3.62 -0.68	3.35 -2.21	12
13	3.39 -1.62	3.67 -3.01	4.16 -2.79	3.73 -2.29	2.46 -1.87	2.71 -1.82	3.12 -2.62	3.45 -3.03	3.03 -2.95	3.10 -2.24	3.68 -1.57	3.40 -2.23	13
14	3.69 -1.92	3.66 -2.92	3.81 -2.79	3.20 -2.33	2.65 -1.31	2.46 -2.05	3.41 -2.63	3.25 -3.03	2.59 -2.93	3.41 -1.56	3.66 -1.83	3.41 -2.06	14
15	3.74 -2.25	3.62 -2.81	3.54 -2.20	2.78 -2.21	2.71 -1.35	2.42 -2.54	3.10 -2.77	3.09 -2.92	2.92 -2.52	3.67 -1.33	3.62 -2.07	3.42 -1.95	15
16	3.77 -2.42	3.31 -2.72	3.72 -2.06	2.54 -1.81	2.71 -1.24	2.48 -2.49	3.04 -2.53	2.34 -3.55	3.34 -1.71	3.81 -1.65	3.63 -2.21	3.41 -1.81	16
17	3.72 -2.43	2.93 -2.65	3.07 -1.94	2.46 -1.20	2.92 -1.43	2.56 -2.55	3.05 -2.47	2.14 -3.23	3.75 -1.44	3.80 -1.98	3.61 -2.33	2.95 -1.56	17
18	3.49 -2.43	2.59 -2.47	3.17 -1.53	2.53 -0.78	2.49 -2.07	2.48 -2.56	2.27 -2.94	2.61 -2.69	3.76 -1.84	3.91 -2.32	3.65 -2.32	3.26 -1.47	18
19	3.27 -2.16	2.21 0.56	2.85 -1.01	2.67 -0.97	2.57 -2.61	2.44 -2.48	2.33 -2.66	3.11 -2.26	3.89 -2.30	4.02 -2.53	2.43 -2.18	3.08 -1.47	19
20	2.93 0.98	2.28 -2.21	2.95 0.63	2.86 -1.58	2.56 -3.05	2.64 -2.49	2.64 -2.69	3.53 -1.79	3.97 -2.69	4.04 -2.48	3.45 -2.22	3.17 -1.19	20
21	2.68 -2.21	2.57 -1.72	3.50 -0.16	2.96 -2.11	2.95 -3.24	2.63 -2.80	2.76 -2.80	3.74 -2.14	4.02 -2.90	2.37 -2.47	3.24 -2.12	3.21 -1.47	21
22	2.31 -1.72	2.74 -1.38	3.13 -1.19	3.21 -2.48	3.30 -3.00	2.76 -2.93	3.15 -2.42	4.05 -2.61	2.19 -2.99	3.85 -2.52	3.00 -1.95	3.19 -1.68	22
23	2.45 -2.04	2.69 -1.45	2.97 -1.85	3.53 -2.83	3.47 -3.17	3.03 -2.85	3.44 -2.54	2.29 -2.73	3.97 -2.95	3.66 -2.44	2.78 -1.74	3.08 -1.72	23
24	2.38 -1.97	3.09 -1.53	3.28 -2.33	3.80 -3.01	3.44 -3.02	3.06 -2.68	2.12 -3.07	4.09 -3.02	3.88 -2.85	3.45 -2.19	2.92 -1.32	3.26 -1.50	24
25	2.49 -1.91	3.62 -1.51	3.45 -2.75	3.80 -3.29	2.77 -3.50	3.14 -2.15	3.66 -3.19	4.10 -3.09	3.55 -2.76	3.03 -2.13	3.09 -0.99	3.16 -1.75	25
26	2.38 -1.86	3.70 -1.88	3.84 -2.82	3.74 -3.30	2.32 -3.32	3.56 -1.88	4.04 -3.15	3.99 -3.09	3.17 -2.56	2.63 -1.93	3.22 -1.17	2.92 1.05	26
27	2.33 -2.27	4.05 -1.35	4.14 -2.87	3.79 -3.23	2.34 -2.68	3.35 -2.38	3.86 -3.31	3.81 -2.88	2.86 -2.33	2.75 -1.56	3.02 0.16	2.65 -1.91	27
28	2.50 -2.44	4.63 -1.74	4.24 -2.87	3.52 -3.03	2.85 -2.64	3.44 -2.81	3.69 -3.18	3.21 -3.21	2.59 -2.17	2.78 -1.06	2.90 -1.45	2.75 -2.11	28
29	2.99 -2.34	4.83 -1.77	4.16 -3.06	3.06 -2.89		3.68 -2.71	3.25 -3.18	2.76 -2.83	2.67 -1.63	2.79 -0.90	3.02 -1.67	3.30 -2.28	29
30	3.42 -2.31	4.82 -1.81	3.78 -3.14	2.97 -2.43		3.85 -2.56	2.79 -3.14	2.38 -2.63	2.82 -0.96	2.90 -1.33	3.26 -1.90	2.87 -2.05	30
31	3.29 -2.58		3.41 -3.05	3.19 -1.56		3.27 -3.21		2.30 -2.29		3.14 -1.50	3.32 -2.06		31
MAXIMUM	3.77	4.83	4.50	4.17	3.47	3.85	4.04	4.10	4.02	4.05	3.92	3.88	MAXIMUM
MINIMUM	-2.58	-3.01	-3.14	-3.30	-3.50	-3.48	-3.31	-3.55	-2.99	-2.99	-2.55	-2.54	MINIMUM

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 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 02 27	122 08 04	SW 6 2N 2W		5.7	4-6-1958		JUNE 29-APR 40 APR 40-DATE	1929 1940 1942	1940 1942	-2.21 -5.00 0.00	USCGS USCGS USCGS

Station located on channel side of wharf (formerly located on inshore side of wharf) immediately southeast of Benicia. Period of record intermittent from 1929 to 1940.

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

WATER YEAR	STATION NO.	STATION NAME
1971	A55527	FRENCHMAN LAKE NEAR CHILCOOT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	41,038	40,619	42,030	43,159	45,708	48,202	54,941	57,103	57,555	55,445	52,908	47,539	1
2	41,025	40,619	42,190	43,186	45,792	48,260	55,303	57,184	57,539	55,350	52,755	47,453	2
3	41,012	40,619	42,230	43,199	45,863	48,318	55,682	57,426 E	57,555	55,287	52,587	47,352	3
4	40,986	40,671	42,257	43,226	45,947	48,405	56,047	57,490	57,555	55,240	52,404	47,266	4
5	40,973	40,868	42,284	43,240	46,017	48,448	56,366	57,490	57,539	55,177	52,236	47,138	5
6	40,946	40,907	42,324	43,267	46,074	48,492	56,622	57,490	57,458	55,114	52,069	46,995	6
7	40,907	40,920	42,364	43,294	46,158	48,550	56,814	57,604	57,377	55,067	51,902	46,852	7
8	40,881	NR	42,404	43,308	46,215	48,594	56,942	57,830	57,329	55,051	51,751	46,696	8
9	40,881	NR	42,445	43,335	46,285	48,652	57,023	57,879	57,248	55,035	51,585	46,625	9
10	40,855	41,196	42,458	43,376	46,342	48,695	57,152	57,879	57,168	55,004	51,464	46,526	10
11	40,841	41,275	42,485	43,416	46,469	48,768	57,184	58,074	56,975	55,004	51,329	46,427	11
12	40,828	41,314	42,512	43,539	46,568	49,060	57,200	58,107	56,910	54,988	51,239	46,356	12
13	40,802	41,328	42,525	43,648	46,710	49,148	57,216	58,123	56,862	54,988	51,134	46,285	13
14	40,776	41,328	42,538	43,716	46,852	49,221	57,264	58,074	56,798	54,925	51,044	46,215	14
15	40,763	41,328	42,632	43,730	46,995	49,309	57,297	57,993	56,750	54,862	50,939	46,172	15
16	40,750	41,328	42,740	43,757	47,152	49,412	57,313	57,830	56,702	54,800	50,730	46,130	16
17	40,724	41,354	42,780	43,866	47,266	49,471	57,377	57,652	56,654	54,831	50,506	46,102	17
18	40,724	41,354	42,807	44,154	47,381	49,559	57,329	57,507	56,606	54,800	50,254	46,060	18
19	40,698	41,341	42,807	44,415	47,453	49,603	57,232	57,329	56,574	54,737	49,972	46,031	19
20	40,711	41,341	42,848	44,636	47,567	49,736	57,168	57,377	56,526	54,690	49,648	45,989	20
21	40,698	41,341	42,875	44,788	47,654	49,869	57,103	57,377	56,462	54,659	49,339	45,947	21
22	40,671	41,354	42,888	44,913	47,740	50,061	56,975	57,410	56,318	54,596	49,016	45,933	22
23	40,711	41,367	42,902	45,024	47,812	50,536	56,878	57,393	56,191	54,502	48,783	45,905	23
24	40,698	41,420	42,915	45,108	47,884	50,939	56,830	57,345	56,047	54,393	48,623	45,891	24
25	40,685	41,632	42,915	45,191	47,970	51,359	56,878	57,264	55,920	54,237	48,463	45,863	25
26	40,671	41,645	42,969	45,261	48,028	52,312	56,926	57,281	55,888	54,035	48,289	45,849	26
27	40,645	41,658	42,996	45,331	48,086	52,770	56,926	57,232	55,777	53,818	48,144	45,820	27
28	40,645	41,791	43,037	45,400	48,158	53,215	56,894	57,281 E	55,651	53,632	47,985	45,778	28
29	40,632	41,831	43,077	45,470		53,663	56,910	57,345 E	55,571	53,462	47,812	45,806	29
30	40,632	41,937	43,091	45,540		54,159	56,975	57,410 E	55,524	53,246	47,697	45,806	30
31	40,632		43,118	45,624		54,580		57,458 E		53,077	47,596		31
CHNG	-419	+1,305	+1,181	+2,506	+2,534	+6,422	+2,395	+483	-1,934	-2,447	-5,481	-1,790	CHNG
MAX.	41,038	41,937	43,118	45,624	48,158	54,580	57,377	58,123	57,555	55,445	52,908	47,539	MAX.
MIN.	40,632	40,619	42,030	43,159	45,708	48,202	54,941	57,103	55,524	53,077	47,596	45,778	MIN.

E — ESTIMATED
NR — NO RECORD

WATER YEAR SUMMARY

MAXIMUM					MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME	CONTENT	GAGE HT.	MO.	DAY	TIME
58,123		5	13	2400	40,619		11	1	2400

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	INFLOW	CONTENT	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 53 36	120 11 17	NE 33 24N 16E					JAN 1962-DATE	1962		5500.00	USCGS

Station located at toe of Frenchman Dam on Little Last Chance Creek, 7.1 miles north of Chilcoot.

Frenchman Dam was completed in October 1961 and storage began in November 1961. The lake has a usable capacity of 53,582 acre-feet between elevations 5517 feet (invert of intake) and 5588 feet (crest of spillway). Not available for release, 1,835 acre-feet.

Daily content given is shown at 2400 hours.

Drainage area is 81.1 square miles.

TABLE B-13 (Cont.)
CONTENT OF RESERVOIRS
(IN ACRE-FEET)

WATER YEAR	STATION NO.	STATION NAME
1971	A55383	LAKE DAVIS NEAR PORTOLA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	72,792	71,497	74,271 E	77,099	71,570	72,161	78,332	81,262	84,130	83,568	82,093	78,797	1
2	72,718	71,497	74,667 E	77,099	71,166	72,124	78,641	81,499	83,969	83,528	81,974	78,719	2
3	72,718	71,386	75,063 E	77,099	70,762	72,124	78,991	81,776	83,768	83,448	81,816	78,603	3
4	72,681	71.497	75,459	77,099	70,579	72,273	79,341	82,133	83,648	83,408	81,736	78,525	4
5	72,606	71,903	75,497	77,060	70,652	72,235	79,770	82,252	83,568	83,328	81,618	78,409	5
6	72,569	72,124	75,383	77,060	70,689	72,273	80,279	82,212	83,448	83,288	81,499	78,293	6
7	72,458	72,124	75,573	77,060	70,689	72,273	80,671	82,490	83,368	83,248	81,420	78,177	7
8	72,421	72.124	75,648	77,099	70,725	72,310	81,789	82,650	83,288	83,128	81,302	78,100	8
9	72,421	72,273	75,686	77,060	70,725	72,310	81,183	82,809	83,208	83,048	81,223	78,022	9
10	72,347	72,235	75,724	77,060	70,799	72,310	81,539	82,849	83,208	82,928	81,065	77,945	10
11	72,310	72,421	75,724	77,406	70,835	72,347	81,697	83,128	83,168	82,889	81,026	77,907	11
12	72,273	72,532	75,724	77,830	70,909	73,314	81,895	83,248	83,288	82,809	80,947	77,830	12
13	72,198	72,532	75,724	78,216	71,019	73,314	82,014	83,368	83,328	82,769	80,789	77,791	13
14	72,124	72,495	75,762	78,448	71,166	73,314	82,133	83,368	83,368	82,928	80,671	77,752	14
15	72,124	72,458	75,991	78,138	71,166	73,389	82,252	83,368	83,408	82,849	80,554	77,675	15
16	72,050	72,421	76,372	77,714	71,276	73,501	82,530	83,288	83,448	82,769	80,436	77,637	16
17	71,976	72,384	76,372	77,445	71,386	73,463	82,689	83,048	83,448	83,008	80,357	77,445	17
18	71,939	72,384	76,448	77,060	71,386	73,538	82,490	82,889	83,488	83,008	80,240	77,368	18
19	71,866	72,384	76,448	76,677	71,607	73,501	82,331	82,729	83,448	82,928	80,161	77,291	19
20	71,976	72,310	76,563	76,334	71,644	73,576	82,331	83,088	83,488	83,008	80,005	77,176	20
21	71,866	72,273	76,639	75,991	71,718	73,613	82,133	83,128	83,488	82,968	79,848	77,099	21
22	71,903	72,273	76,601	75,611	71,792	73,538	81,855	83,248	83,448	82,889	79,770	77,060	22
23	72,087	72,235	76,677	75,194	71,792	74,175	81,657	83,208	83,368	82,809	79,653	77,022	23
24	72,050	72,495	76,601	74,816	71,866	74,439	81.420	83,288	83,368	82,729	79,614	76,907	24
25	72,050	73,016	76,677	74,401	71,829	75,080	81,302	83,288	83,288	82.650	79,536	76,792	25
26	71,939	73,053	76,639	74,025	71,903	76,067	81,183	83,488	83,648	82,570	79,458	76,831	26
27	71,903	73,090	76,716	73,613	71,976	76,448	81,104	83,688	83,688	82,530	79,380	76,754	27
28	71,866	73,501	76,792	73,202	72,124	76,831	81,065	83,809	83,688	82,411	79,302	76,639	28
29	71,829	73,688	76,984	72,792		77,214	81,104	83,929	83,608	82,331	79,146	76,792	29
30	71,792	73,875	76,945	72,384		77,714	81,223	84,331	83,608	82,252	79,030	76,754	30
31	71,792		76,945	71,976		78,061		84,250		82,172	78,913		31
CHNG	-1,037	+2,083	+3,070	-4,969	+148	+5,937	+3,162	+3,027	-642	-1,436	-3,259	-2,159	CHNG
MAX.	72,792	73,875	76,984	78,448	72,124	78,061	82,689	84,331	84,130	83,568	82,093	78,797	MAX.
MIN.	71,792	71,386	74,271	71,976	70,579	72,124	78,332	81,262	83,168	82,172	78,913	76,639	MIN.

E — ESTIMATED
NR — NO RECORD

MAXIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME
84,331		5	30	2400

MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME
70,579		2	4	2400

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			INFLOW	CONTENT	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 53 03	120 38 31	SW 1 23N 13E					DEC 1966-DATE	1966		5700.00	USCGS

Station located near left abutment of Grizzly Valley Dam on Big Grizzly Creek, 5.3 miles north of Portola. Grizzly Valley Dam, creating Lake Davis, was completed in September 1967; however, storage by the contractor in order to test the outlet works, began on October 18, 1966. The lake has a usable capacity of 84,043 acre-feet between elevations 5700 feet (top of low-level intake) and 5775 feet (crest of spillway). Not available for release 108 acre-feet. Daily content given is shown at 2400 hours. Drainage area is 44.0 square miles.

TABLE B-13 (Cont.)

CONTENT OF RESERVOIRS
(IN ACRE-FEET)

WATER YEAR	STATION NO.	STATION NAME
1971	A54473	ANTELOPE LAKE NEAR BOULDER CREEK GUARD STATION

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	20,630	20,234	21,500	22,809	23,081 E	22,987	23,565 E	23,890	24,093	23,223	17,108	9,022	1
2	20,613	20,225	21,627	22,790	23,081 E	22,968	23,584 E	23,977	24,066	23,195	16,849	8,773 E	2
3	20,595	20,225	21,718	22,790	23,072 E	22,978	23,594 E	24,083	23,987	23,147	16,591	8,524 E	3
4	20,568	20,216	21,773	22,771	23,072 E	22,978	23,613 E	24,354	23,967	23,128	16,306	8,275 E	4
5	20,542	20,348	21,819	22,771	23,072 E	22,968	23,632 E	24,315	23,958	23,110	16,076	8,026 E	5
6	20,515	20,401	21,873	22,771	23,072 E	22,959	23,651 E	24,228	23,919	22,950	15,803	7,777 E	6
7	20,489	20,427	21,956	22,771	23,062 E	22,950	23,660 E	24,247	23,910	22,743	15,548	7,528	7
8	20,462	20,445	22,048	22,771	23,053 E	22,950	23,680 E	24,286	23,910	22,538	15,281	7,286 E	8
9	20,454	20,515	22,121	22,771	23,034 E	22,950	23,766	24,257	23,881	22,352	15,023	7,044 E	9
10	20,436	20,551	22,195	22,790	23,053 E	22,950	23,823	24,306	23,842	22,140	14,768	6,803 E	10
11	20,418	20,604	22,223	22,837	23,072 E	22,987	23,756	24,325	23,804	21,938	14,495	6,561 E	11
12	20,401	20,648	22,260	22,865	23,091 E	23,223	23,727	24,393	23,756	21,727	14,231	6,319 E	12
13	20,366	20,657	22,287	22,931	23,100 E	23,204	23,737	24,393	23,708	21,509	13,957	6,077	13
14	20,348	20,666	22,324	22,912	23,110 E	23,157	23,756	24,383	23,660	21,292	13,686	5,811 E	14
15	20,330	20,675	22,399	22,884	23,119 E	23,119	23,814	24,334	23,622	21,067	13,424	5,545 E	15
16	20,313	20,675	22,491	22,874	23,128 E	23,110	23,890	24,306	23,565	20,835	13,153	5,279	16
17	20,295	20,675	22,538	22,921	23,119 E	23,072	23,910	24,180	23,527	20,630	12,891	5,039 E	17
18	20,287	20,666	22,557	23,147	23,110	23,053	23,804	24,102	23,460	20,436	12,633	4,798 E	18
19	20,260	20,666	22,585	23,261	23,091	23,034	23,747	24,073	23,422	20,234	12,359	4,558 E	19
20	20,269	20,666	22,622	23,280	23,062	23,053	23,727	24,141	23,394	20,024	12,120	4,318 E	20
21	20,278	20,657	22,659	23,242	23,044	23,081	23,680	24,102	23,346	19,816	11,840 E	4,078 E	21
22	20,278	20,675	22,678	23,195	23,053	23,138	23,632	24,064	23,308	19,592	11,564 E	3,838 E	22
23	20,330	20,684	22,687	23,157	23,044	23,365	23,575	24,064	23,289	19,344	11,293 E	3,597 E	23
24	20,330	20,719	22,696	23,110	23,034	23,460	23,546	24,073	23,242	19,106	11,019 E	3,357	24
25	20,330	21,013	22,706	23,081	23,006	23,555	23,536	24,083	23,232	18,870	10,756 E	3,152 E	25
26	20,313	21,112	22,725	23,081	22,997	23,852	23,575	24,102	23,460	18,619	10,491 E	2,946 E	26
27	20,295	21,166	22,743	23,081	22,997	23,737	23,584	24,122	23,451	18,370	10,236 E	2,741 E	27
28	20,287	21,283	22,771	23,081	22,997	23,641	23,641	24,238	23,375	18,090	9,985 E	2,536 E	28
29	20,278	21,337	22,799	23,081		23,594	23,727	24,247	23,308	17,870	9,738 E	2,330 E	29
30	20,260	21,427	22,790	23,081		23,584	23,814	24,257	23,261	17,619	9,496 E	2,125	30
31	20,251		22,790	23,081		23,555		24,160		17,371	9,257 E		31
CHNG	-406	+1,176	+1,363	+291	-84	+558	+259	+346	-899	-5,890	-8,114	-7,132	CHNG
MAX.	20,630	21,427	22,799	23,280	23,128 E	23,852	23,910	24,393	24,093	23,223	17,108	9,022	MAX.
MIN.	20,251	20,216	21,500	22,771	22,997	22,950	23,536	23,890	23,232	17,371	9,257	2,125	MIN.

E — ESTIMATED
NR — NO RECORD

WATER YEAR SUMMARY

MAXIMUM					MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME	CONTENT	GAGE HT.	MO.	DAY	TIME
24,393		5	12	2400	2,125		9	30	

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.)

CONTENT OF RESERVOIRS
(IN THOUSANDS OF ACRE-FEET)

WATER YEAR	STATION NO.	STATION NAME
1971	A51141	LAKE OROVILLE NEAR OROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2,531.8	2,468.0	2,666.1	2,795.6	2,816.7	3,101.7	3,240.9	3,272.4	3,531.9	3,510.9	3,352.4	3,020.6 E	1
2	2,522.0	2.465.7	2,682.0	2,793.9	2,827.6	3,108.6	3,233.2	3,290.2	3,533.0	3,505.8	3,340.3	3,009.7	2
3	2,523.5	2.462.4	2,695.4	2,791.9	2,838.0	3,115.8	3,240.9	3,292.1	3,527.8	3,503.2	3,328.9	2,997.2	3
4	2,525.1	2,460.8	2,722.9	2,789.9	2,847.4	3,123.3	3,260.0	3,297.6	3,520.1	3,507.0	3,318.6	2,988.2	4
5	2,516.1	2,466.6	2,733.0	2,786.9	2,856.5	3,128.7	3,265.8	3,298.6	3,511.7	3,510.5	3,309.6	2,992.7	5
6	2,508.2	2,471.5	2,742.4	2,784.5	2,868.9	3,139.7	3,270.7	3,299.4	3,512.5	3,506.7	3,300.7	2,980.1	6
7	2,500.4	2,483.5	2,747.0	2,784.4	2,881.8	3,151.2	3,273.1	3,299.5	3,511.6	3,502.8	3,294.3	2,962.0	7
8	2,491.9	2,493.1	2,754.4	2,784.4	2,889.9	3,151.6	3,272.2	3,311.7	3,509.5	3,498.8	3,290.6	2,942.8	8
9	2,483.3	2,499.4	2,765.9	2,785.6	2,897.7	3,151.7	3,271.0	3,333.9	3,507.0	3,494.6	3,282.9	2,924.5	9
10	2,484.7	2,507.0	2,773.0	2,794.4	2,904.2	3,148.7	3,279.7	3,339.7	3,503.6	3,495.4	3,274.2	2,897.7	10
11	2,486.3	2,519.7	2,772.7	2,797.9	2,911.3	3,140.3	3,294.0	3,348.8	3,500.4	3,503.4	3,265.1	2,882.8	11
12	2,478.7	2,525.5	2,772.4	2,795.2	2,919.2	3,165.2	3,293.2	3,357.5	3,501.4	3,498.8	3,251.9	2,877.1	12
13	2,471.7	2,528.7	2,776.2	2,790.3	2,933.8	3,184.5	3,283.2	3,368.4	3,506.4	3,493.2	3,238.0	2,859.1	13
14	2,465.3	2,538.3	2,772.2	2,790.1	2,948.6	3,190.5	3,280.6	3,379.9	3,501.0	3,487.4	3,232.2	2,842.0	14
15	2,460.3	2,547.1	2,768.6	2,788.1	2,962.5	3,188.0	3,279.4	3,398.4	3,495.7	3,479.3	3,231.0	2,823.7	15
16	2,456.6	2,549.0	2,767.1	2,788.8	2,970.9	3,178.7	3,280.2	3,423.4	3,495.1	3,469.1	3,221.2	2,809.3	16
17	2,462.4	2,549.6	2,764.1	2,802.9	2,979.6	3,168.2	3,294.0	3,428.2	3,494.6	3,464.5	3,208.6	2,795.8	17
18	2,468.8	2,550.0	2,760.7	2,806.2	2,988.5	3,156.0	3,303.3	3,431.9	3,494.0	3,463.5	3,196.6	2,792.3	18
19	2,463.0	2,551.6	2,765.0	2,805.4	2,999.2	3,145.8	3,297.4	3,433.9	3,500.7	3,455.0	3,182.6	2,792.3	19
20	2,460.9	2,552.7	2,778.0	2,795.2	3,013.3	3,140.3	3,290.2	3,437.0	3,515.7	3,446.3	3,168.7	2,783.1	20
21	2,458.6	2,561.0	2,787.1	2,784.4	3,026.0	3,143.5	3,281.7	3,442.7	3,517.7	3,437.6	3,157.1	2,771.9	21
22	2,455.5	2,569.2	2,787.7	2,783.7	3,034.3	3,138.8	3,273.9	3,455.6	3,518.8	3,428.6	3,146.9	2,760.7	22
23	2,453.1	2,569.0	2,785.5	2,780.3	3,042.4	3,146.9	3,268.5	3,475.5	3,518.3	3,419.5	3,134.9	2,751.2	23
24	2,461.9	2,567.8	2,782.3	2,779.3	3,051.5	3,157.1	3,271.0	3,482.7	3,516.3	3,412.9	3,120.6	2,741.7	24
25	2,469.3	2,576.5	2,781.6	2,777.5	3,057.9	3,175.4	3,284.2	3,491.2	3,511.7	3,409.5	3,106.0	2,739.5	25
26	2,465.8	2,593.3	2,782.0	2,776.7	3,067.2	3,250.3	3,280.3	3,498.8	3,515.3	3,401.7	3,091.9	2,747.4	26
27	2,463.3	2,599.1	2,783.9	2,777.2	3,080.7	3,276.0	3,275.8	3,504.2	3,527.5	3,385.9	3,077.7	2,742.0	27
28	2,460.5	2,621.3	2,785.5	2,778.3	3,091.5	3,279.9	3,271.2	3,505.8	3,523.8	3,375.5	3,066.9	2,735.4	28
29	2,457.7	2,643.0	2,792.6	2,782.3		3,269.7	3,268.0	3,505.6	3,515.0	3,368.9	3,061.9	2,730.6	29
30	2,454.8	2,655.7	2,795.2	2,791.8		3,257.2	3,265.5	3,515.5 E	3,513.9	3,357.9	3,049.6	2,730.4	30
31	2,461.2		2,795.5	2,806.1		3,247.3		3,525.0 E		3,352.6	3,034.9		31
CHNG	-80.6	+194.5	+139.8	+10.6	+285.4	+155.8	+18.2	+259.5	-11.0	-161.3	-317.7	-304.5	CHNG
MAX.	2,531.8	2,655.7	2,795.5	2,806.2	3,091.5	3,279.9	3,303.3	3,525.0 E	3,533.0	3,510.9	3,352.4	3,020.6 E	MAX.
MIN.	2,453.1	2,460.8	2,666.1	2,776.7	2,816.7	3,101.7	3,233.2	3,272.4	3,494.0	3,352.6	3,034.9	2,730.4	MIN.

E — ESTIMATED
NR — NO RECORD

WATER YEAR SUMMARY

MAXIMUM					MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME	CONTENT	GAGE HT.	MO.	DAY	TIME
3,533.0	899.71	6	2	2400	2,453.1	822.26	10	23	2400

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	INFLOW	CONTENT	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
39 32 05	121 28 25	SW 1 19N 4E					Nov 1967-DATE	1967		0.47	USCGS

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.

TABLE B-13 (Cont.)
CONTENT OF RESERVOIRS
(IN THOUSANDS OF ACRE-FEET)

WATER YEAR	STATION NO.	STATION NAME
1971	A65105	CAMP FAR WEST RESERVOIR NEAR SHERIDAN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	38.9 E	36.7 E	93.0 E	104.2	106.6	105.1	107.0	106.4	106.1	105.7	93.7	81.1	1
2	38.6 E	36.7 E	104.4	104.0	106.4	105.1	107.0	106.4	105.9	105.5	93.1	80.9	2
3	38.3 E	36.9 E	108.7	103.8	106.4	105.1	107.0	106.4	105.9	105.5	92.6	80.6	3
4	37.9 E	37.0 E	112.9	103.6	106.4	105.1	107.0	106.4	105.9	105.7	92.0	80.6	4
5	37.7 E	37.7 E	109.2	103.5	106.1	105.1	106.8	106.4	105.9	105.7	91.6	80.3	5
6	37.5 E	38.8 E	107.7	105.5	106.1	105.3	106.8	106.4	105.9	105.7	91.1	80.1	6
7	37.4 E	40.6 E	106.6	105.5	106.1	105.3	106.8	106.1	105.9	105.7	90.9	80.0	7
8	37.3 E	42.7 E	106.4	105.3	106.1	105.3	106.6	106.6	105.9	105.7	90.3	79.8	8
9	37.1 E	44.7 E	104.4	105.3	106.1	106.1	106.6	106.4	105.7	105.7	89.9	79.6	9
10	37.0 E	46.0 E	104.8	105.3	105.9	106.1	107.0	106.4	105.7	105.3	89.5	79.6	10
11	36.9 E	47.3 E	106.6	106.6	105.9	106.1	107.0	106.1	105.7	104.8	89.0	79.5	11
12	36.7 E	48.4	106.4	107.2	106.1	107.9	106.6	106.1	105.7	104.4	88.6	79.5	12
13	36.7 E	49.5	106.4	107.4	106.1	108.3	106.4	106.1	105.9	104.0	88.0	79.5	13
14	36.7 E	50.4	106.1	107.4	106.1	107.7	106.4	105.9	105.9	103.6	87.5	79.5	14
15	36.7 E	51.2	104.2	107.0	106.1	107.4	106.6	106.1	105.7	103.3	87.1	79.8	15
16	36.7 E	52.2	105.3	106.8	106.1	107.0	106.6	106.1	105.7	102.9	86.7	80.3	16
17	36.7 E	52.4	105.5	107.0	106.1	106.8	106.8	106.1	105.7	102.3	86.4	80.6	17
18	36.7 E	52.5	105.1	107.7	106.1	106.8	106.6	106.1	105.7	102.0	86.0	80.8	18
19	36.7 E	52.6	104.6	107.9	106.1	106.8	106.6	106.1	105.7	101.6	85.4	81.4	19
20	36.7 E	52.7	104.6	107.4	105.9	106.8	106.6	105.9	105.7	101.0	85.1	81.6	20
21	36.7 E	52.7	105.3	107.2	105.7	106.8	106.6	106.1	105.7	100.6	84.8	81.6	21
22	36.7 E	52.9	104.8	107.0	105.7	106.8	106.6	106.1	105.7	100.1	84.5	81.4	22
23	36.7 E	53.0	104.6	107.0	105.7	107.0	106.6	105.9	105.7	99.7	84.2	81.3	23
24	36.7 E	53.1	104.4	107.0	105.7	107.2	106.6	105.9	105.5	99.3	83.7	81.1	24
25	36.7 E	55.6	103.8	106.8	105.7	109.4	106.6	105.9	105.5	99.1	83.5	81.1	25
26	36.7 E	59.6	103.6	106.6	105.5	112.6	105.9	105.9	105.3	98.4	83.2	80.9	26
27	36.7 E	62.5 E	103.6	106.6	105.3	109.6	105.5	105.9	105.5	97.6	82.9	80.8	27
28	36.7 E	64.2 E	103.8	106.6	105.3	108.3	106.1	105.9	105.3	96.9	82.5	80.8	28
29	36.7 E	67.5 E	105.7	106.6		107.9	106.1	105.9	105.5	96.1	82.1	80.6	29
30	36.7 E	83.0 E	105.3	106.6		107.4	106.4	105.9	105.7	95.4	81.7	80.6	30
31	36.7 E		104.6	106.6		107.2		105.9		94.2	81.4		31
CHNG	-2.4 E	+46.3 E	+13.8 E	-0.2	-1.3	+1.9	-0.8	-0.5	-0.2	-11.5	-12.8	-0.8	CHNG
MAX.	38.9 E	83.0 E	112.9	107.9	106.6	112.6	107.0	106.6	106.1	105.7	93.7	81.6	MAX.
MIN.	36.7 E	36.7 E	93.0 E	103.5	105.3	105.1	105.5	105.9	105.3	94.2	81.4	79.5	MIN.

E — ESTIMATED
NR — NO RECORD

MAXIMUM					MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME	CONTENT	GAGE HT.	MO.	DAY	TIME
117.6	306.1	12	4	1300	NR				

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			INFLOW	CONTENT	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 03 00	121 18 53	SW 21 14N 6E					MAR 1966-DATE	1966		0.00	USCGS

Station located near left abutment of Camp Far West Dam on the Bear River 6.4 miles east of Wheatland and 11.8 miles northwest of Sheridan. Camp Far West Reservoir, owned and operated by the South Sutter Irrigation District, began storage September 30, 1963. Station was installed March 1966, jointly by the South Sutter Irrigation District and the Department of Water Resources. The lake has a usable capacity of 139,600 acre-feet between the elevation 175.00 feet and 316.3 feet (top of spillway gate). Drainage area is 283 square miles. Daily content given is shown at 2400 hours.

TABLE B-14

DAILY INFLOW

This table presents the daily inflow rates to Folsom, Shasta, and Whiskeytown Lakes. The daily inflow rates were computed from information about changes in storage, releases, spills, precipitation, and evaporation. The computed values represent the flow at each damsite if the dam did not exist.

TABLE B-14 (Cont.)

DAILY INFLOW

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1971	A21051	SHASTA LAKE NEAR REDDING

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	4,640	2,900	23,290	12,060	10,800	6,150	20,940	11,920	10,180	6,630	1,790	5,890	1
2	3,210	4,190	21,320	11,300	11,620	5,980	18,330	11,860	9,110	5,510	4,520	6,830	2
3	2,070	3,960	27,650	9,210	10,670	5,920	15,900	12,930	8,860	5,310	7,690	5,040	3
4	1,340	8,740	25,330	8,400	10,880	5,930	16,730	13,270	10,010	5,650	6,830	550	4
5	4,760	12,690	19,630	7,360	10,890	6,490	15,650	12,580	9,850	5,020	5,840	140	5
6	4,130	11,890	19,510	6,590	10,580	6,590	15,850	13,090	10,190	5,830	5,210	1,640	6
7	4,740	7,350	26,860	6,290	9,980	6,510	15,010	12,990	10,560	5,690	950	4,980	7
8	4,710	9,180	30,200	8,580	10,500	7,810	14,520	14,300	10,900	5,020	370	5,310	8
9	5,390	18,080	26,120	7,790	8,670	9,950	18,610	13,660	10,790	6,150	3,220	4,470	9
10	5,400	9,700	21,070	9,540	9,080	9,880	17,680	13,560	10,570	5,060	4,140	5,360	10
11	4,820	11,050	17,150	9,860	9,140	14,590	15,740	14,310	10,190	5,200	2,840	4,250	11
12	4,100	8,120	15,410	10,080	9,660	23,230	15,090	14,020	9,760	5,630	3,940	5,140	12
13	3,880	7,910	13,170	8,670	10,220	14,960	14,490	13,580	9,380	5,200	3,780	4,320	13
14	4,400	6,960	12,300	11,220	11,060	14,920	13,650	13,220	9,340	6,120	3,030	3,430	14
15	3,610	7,190	14,060	33,670	10,660	14,850	13,820	12,570	8,500	4,430	1,020	1,900	15
16	3,290	7,900	16,010	46,880	10,040	13,620	13,600	12,370	6,490	4,690	4,380	3,070	16
17	3,100	7,940	12,880	38,860	9,700	13,300	13,490	11,790	7,640	2,370	5,570	3,720	17
18	3,110	5,200	11,480	32,480	10,480	12,930	12,940	11,080	7,270	1,660	7,940	3,580	18
19	4,340	6,270	10,680	29,620	11,430	12,350	12,630	10,200	7,930	5,330	4,180	5,260	19
20	5,980	4,080	11,730	28,770	10,180	12,170	13,430	9,810	6,680	5,430	4,010	3,920	20
21	5,770	1,550	12,390	26,240	8,930	11,810	12,150	10,140	6,690	4,810	110	2,650	21
22	4,720	4,940	8,580	24,520	9,660	13,090	11,810	10,300	8,440	4,730	320	4,310	22
23	6,460	5,630	8,490	22,380	8,840	16,920	11,480	10,070	9,080	5,190	2,970	3,530	23
24	4,600	14,080	8,150	19,660	10,110	17,940	10,990	8,730	8,730	2,610	3,460	3,590	24
25	4,280 A	15,490	10,160	14,930	11,020	34,300	11,410 B	9,700	6,410	2,170	4,820	2,930	25
26	4,580	10,670	7,800	13,180	9,910	62,070	10,460	10,370	1,620	4,980	4,770	4,060	26
27	4,990	27,600	7,920	12,460	8,460	37,820	10,710	8,070	1,280	3,910	2,800	2,760	27
28	4,160	33,420	12,550	12,520	8,400	34,150	10,890	10,840	7,300	5,420	1,770	3,580	28
29	4,080	24,330	18,130	12,680		30,620	11,270	9,510	7,600	6,080	2,680	5,750	29
30	4,640	38,820	15,160	10,940		27,340	11,530	9,170	6,900	4,310	4,630	2,920	30
31	4,360		12,490	11,370		23,500		9,060		1,870	5,270		31
MEAN	4,312	10,994	16,054	16,713	10,056	17,022	14,027	11,583	8,275	4,775	3,705	3,829	MEAN
MAX.	6,460	33,420	30,200	46,880	11,620	62,070	20,940	14,310	10,900	6,630	7,940	6,830	MAX.
MIN.	1,340	1,550	7,800	6,290	8,400	5,920	10,460	8,070	1,280	1,660	110	140	MIN.
AC. FT.	265,470	654,220	987,130	1,027,670	558,490	1,046,670	833,710	712,220	492,400	293,580	227,800	227,860	AC. FT.

A - 25-Hour Day.
B - 23-Hour Day.

WATER YEAR SUMMARY

MEAN INFLOW	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
10,121											7,327,220

LOCATION			MAXIMUM 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
1971	A36171	WHISKEYTOWN LAKE NEAR WHISKEYTOWN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	980	100	1,600	630	4,590	2,530	1,710	3,360	3,440	3,410	2,000	1,510	1
2	1,000	390	1,270	500	4,740	2,460	1,660	3,310	3,390	3,420	2,050	1,420	2
3	990	340	2,800	660	4,560	2,490	1,610	3,510	3,370	3,510	2,080	1,510	3
4	80	840	2,010	1,500	4,610	2,330	1,510	3,330	3,370	3,570	2,040	560	4
5	1,100	1,180	1,460	1,500	2,470	2,160	2,980	3,300	3,240	3,620	2,020	290	5
6	1,060	750	1,180	1,510	2,420	2,420	4,060	3,150	3,490	3,820	2,010	290	6
7	1,260	540	2,670	1,340	570	1,710	2,260	3,290	3,350	3,620	1,580	2,110	7
8	1,120	320	3,170	1,610	2,870	2,370	2,160	3,370	3,500	3,620	1,400	2,140	8
9	1,070	1,320	2,060	1,140	3,060	2,040	2,320	3,230	3,670	3,610	1,580	1,960	9
10	970	740	1,550	1,470	1,840	1,590	3,400	3,460	3,670	3,560	1,580	1,990	10
11	80	650	1,270	2,170	3,420	2,560	3,250	3,280	3,620	3,820	1,380	1,410	11
12	980	640	730	2,110	3,030	3,530	3,250	3,320	3,520	3,410	1,410	1,450	12
13	1,000	450	630	2,090	2,920	2,800	3,360	3,440	3,500	3,470	1,460	1,480	13
14	980	500	1,390	2,260	2,050	2,440	3,340	3,620	3,730	3,450	1,420	1,430	14
15	1,180	160	1,840	5,060	2,230	2,250	3,340	2,990	4,070	2,100	1,590	1,040	15
16	1,410	440	1,500	6,140	2,940	2,250	3,350	2,390	3,620	1,960	1,440	1,540	16
17	1,420	440	1,900	5,190	2,770	2,510	3,290	3,500	3,550	2,100	1,430	1,710	17
18	160	400	1,700	3,850	2,530	2,560	3,290	3,590	3,840	2,040	1,460	1,340	18
19	1,170	430	600	3,740	2,440	2,490	3,460	3,540	3,650	2,180	1,390	1,590	19
20	1,420	460	740	3,380	2,370	2,500	3,450	2,950	3,660	2,190	1,460	1,640	20
21	1,720	370	1,570	3,040	1,950	2,440	3,840	3,140	3,440	1,930	1,580	940	21
22	1,420	230	1,420	3,190	2,440	2,560	3,300	3,290	3,670	1,990	1,390	420	22
23	1,410	500	1,410	2,890	2,400	3,110	3,230	3,360	3,070	1,980	1,470	100	23
24	1,280	1,090	1,300	1,020	2,390	2,920	3,200	3,560	3,210	2,050	1,530	600	24
25	150 A	1,190	440	2,930	2,370	4,290	3,190 B	3,670	3,310	2,000	1,520	1,450	25
26	210	850	440	3,390	2,410	5,950	3,210	3,300	3,180	1,960	1,550	1 390	26
27	380	2,560	390	4,650	2,460	4,280	3,420	3,240	3,090	2,010	1,530	1,680	27
28	360	2,800	2,200	4,660	1,740	2,110	3,460	3,300	3,180	2,120	1,420	1,540	28
29	390	1,770	1,880	4,550		2,720	3,360	3,480	3,460	2,000	1,510	1,770	29
30	340	2,160	1,930	4,580		1,960	3,270	3,620	3,370	2,110	1,520	1,550	30
31	200		1,710	4,640		2,060		3,580		2,080	1,450		31
MEAN	880	820	1,508	2,819	2,735	2,658	3,018	3,338	3,474	2,733	1,589	1,328	MEAN
MAX.	1,720	2,800	3,170	6,140	4,740	5,950	4,060	3,670	4,070	3,820	2,080	2,140	MAX.
MIN.	80	100	390	500	570	1,590	1,510	2,390	3,070	1,930	1,380	100	MIN.
AC. FT.	54,140	48,810	92,750	173,340	151,920	163,420	179,300	205,230	206,740	168,020	97,690	79,040	AC. FT.

A - 25-Hour Day.
B - 23-Hour Day.

WATER YEAR SUMMARY

MEAN INFLOW	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
2,238											1,620,400

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	INFLOW	CONTENT	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
40 37 03	122 31 31	32N 6W				MAY 1963-DATE	MAY 1963-DATE	1963		0.00	USCGS

The figures contained herein are computed inflow to Whiskeytown Reservoir and take into account change in storage, release, spill, precipitation, and evaporation. Records furnished by USBR. Drainage area is 200 square miles.

Whiskeytown Reservoir has a usable capacity of 241,100 acre-feet between elevations 1100.0 feet and 1210.0 feet above mean sea level. Not available for release, 27,500 acre-feet.

TABLE B-14 (Cont.)
DAILY INFLOW
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1971	A71121	FOLSOM LAKE NEAR FOLSOM

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1,460	1,630	10,450	4,320	4,500	2,590	7,070	4,580	3,890	4,210	2,270	2,290	1
2	1,350	1,520	15,180	3,710	4,080	2,420	6,500	5,200	3,610	4,040	2,180	2,380	2
3	1,290	1,840	8,840	3,090	4,500	2,740	6,170	5,070	3,710	3,640	2,500	2,170	3
4	1,240	2,620	23,430	3,310	4,810	2,340	6,060	5,420	3,820	3,540	2,990	2,150	4
5	1,320	3,320	12,660	3,990	4,800	2,550	5,840	5,240	3,990	3,190	2,350	1,510	5
6	1,360	4,810	8,520	3,960	4,350	2,210	6,220	5,090	4,130	3,020	2,470	1,560	6
7	1,200	4,560	6,260	3,860	3,730	1,820	6,110	4,930	4,490	3,210	2,870	1,920	7
8	1,470	3,060	6,190	3,810	4,040	1,560	5,490	5,790	5,080	3,240	1,600	2,200	8
9	1,410	3,360	6,890	3,470	4,760	1,980	5,380	5,100	5,540	3,280	2,140	1,900	9
10	1,410	3,650	5,990	3,080	4,740	2,060	6,030	5,380	5,200	2,530	2,920	1,970	10
11	1,380	2,420	5,400	3,940	5,100	2,230	5,480	6,980	5,720	1,740	2,200	1,980	11
12	1,440	2,740	4,940	5,900	5,200	3,920	5,180	7,210	5,770	1,990	2,850	1,750	12
13	1,380	2,830	4,230	6,630	5,010	6,460	5,050	7,300	5,330	2,660	2,020	1,680	13
14	1,390	2,460	3,540	6,610	4,120	4,050	5,450	7,370	5,590	2,860	2,260	2,300	14
15	1,420	2,100	4,460	6,320	3,610	3,010	5,620	7,120	5,950	3,120	2,060	2,110	15
16	1,410	1,990	6,700	5,160	4,680	3,170	5,920	6,950	6,350	2,480	1,890	1,960	16
17	1,400	2,380	7,950	5,870	4,470	3,300	6,180	6,340	6,450	2,520	2,850	2,120	17
18	1,410	2,200	6,220	8,460	5,230	3,560	5,360	6,040	6,170	2,350	2,170	1,730	18
19	1,380	2,070	5,480	9,360	5,260	3,140	4,800	5,850	6,250	2,480	2,810	1,420	19
20	1,900	1,850	5,250	8,620	4,850	2,780	4,610	5,860	5,900	2,550	2,200	1,390	20
21	1,870	1,840	5,350	7,770	3,880	2,500	4,540	6,310	6,040	3,040	2,810	1,560	21
22	2,320	1,850	5,540	7,130	4,470	2,730	4,130	5,030	5,380	2,960	1,570	1,700	22
23	2,440	1,480	5,100	6,520	3,910	4,170	3,690	4,690	4,890	2,510	2,340	1,700	23
24	2,440	2,340	4,370	5,900	3,860	4,810	3,560	5,410	4,930	2,390	2,840	1,540	24
25	1,930 A	5,980	3,730	5,570	3,740	6,850	3,530 B	6,570	4,350	2,060	2,170	2,200	25
26	1,480	9,750	3,940	5,340	3,670	30,870	3,260	6,720	4,770	1,850	2,780	1,640	26
27	2,190	4,930	4,640	5,260	3,540	20,580	3,440	6,100	7,660	2,590	2,170	1,530	27
28	2,180	7,270	4,360	5,290	2,450	11,930	3,370	5,800	7,190	2,310	2,180	1,850	28
29	2,210	10,270	7,340	5,140		9,530	3,500	4,760	5,630	2,440	1,730	1,690	29
30	2,260	6,680	6,910	5,200		8,860	4,060	4,400	4,310	2,360	1,940	2,120	30
31	2,040		5,750	5,300		7,760		4,030		2,420	2,310		31
MEAN	1,657	3,527	6,955	5,416	4,334	5,435	5,053	5,763	5,270	2,761	2,337	1,867	MEAN
MAX.	2,440	10,270	23,430	9,360	5,260	30,870	7,070	7,370	7,660	4,210	2,990	2,380	MAX.
MIN.	1,200	1,480	3,540	3,090	2,450	1,560	3,260	4,030	3,610	1,740	1,570	1,390	MIN.
AC. FT.	102,070	209,850	427,660	333,010	240,720	334,180	300,310	354,330	313,570	169,750	143,680	111,120	AC. FT.

A - 25-Hour Day.
B - 23-Hour day.

WATER YEAR SUMMARY

MEAN INFLOW	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MAXIMUM MO.	MAXIMUM DAY	MAXIMUM TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MINIMUM MO.	MINIMUM DAY	MINIMUM TIME	TOTAL ACRE FEET
4,200											3,040,350

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	CFS	GAGE HT.	DATE	INFLOW	CONTENT	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38 42 29	121 09 22	NE 24 10N 7E				FEB 1955-DATE	FEB 1955-DATE	1955		0.00	USCGS

The figures contained herein are computed inflow to Folsom Reservoir and take into account change in storage, release, spill, precipitation, and evaporation. They are representative of the natural flow which would pass the damsite (2.3 miles northeast of Folsom) if the dam had not been constructed. Records furnished by USBR. Drainage area is 1,861 square miles (Revised).

TABLE B-15

CORRECTIONS AND REVISIONS TO
PREVIOUSLY PUBLISHED REPORTS

Corrections and revisions pertain to bulletins of surface water flows published from 1924 to date. These publications are:

Report 1. "Report of Sacramento-San Joaquin Water Supervision". Published from 1924 through 1955.

Report 2. Bulletin No. 23, "Surface Water Flow". Published from 1956 through 1962.

Report 3. "Flood Flows and Stages in Sacramento and Northern San Joaquin Valleys". Published from 1913 through 1956.

Report 4. Bulletin No. 130, "Hydrologic Data: Volume II, Northeastern California". Published from 1963 to date.

Corrections and revisions to surface water data made prior to publication of Bulletin No. 130-68, "Hydrologic Data: Volume II, Northeastern California", are in Bulletin No. 130-67. This report contains corrections made since publication of Bulletin No. 130-67.

TABLE B-15

CORRECTIONS AND REVISIONS TO PREVIOUSLY PUBLISHED REPORTS OF SURFACE WATER DATA

Location of Error or Revision						Change or Revision	
Report	Page	Mile & Bank	Name	Item		From	To
				1965			
4	286		Mokelumne River near Thornton	Datum of Gage		1964, -3.00 USCGS	1964, 0.00 USCGS
				1966			
4	151		Sacramento River, 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	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.-5 USCGS 1964 — -3.54 USCGS 1964 — -3.00 USCGS
4	296		Sacramento River at Collinsville	Daily Maximum and Minimum Tides			Notation: In order to machine process the data, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain gage heights.
4	312		Suisun Bay at Benicia	Daily Maximum and Minimum Tides			Notation: In order to machine process the data, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain gage heights.

TABLE B-15 (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
				1968			
4	54		Clover Creek Bypass near Upper Lake	Number Change		A89140	A81940
4	55, 61, 68		Grindstone Creek near Elk Creek	Number Change		A31300	A31302
4	94		Grindstone Creek near Elk Creek	Number Change		A31395	A31302
4	55, 63, 73		Kellogg Creek near Byron	Number Change		B95295	B89200
4	70		Fremont Weir Spill to Yolo Bypass	Map Plotting			To be located approximately midway between A02160 and A02170.
4	79		Willow Creek near Litchfield	Date of Discontinuance		9-30-68	9-30-67
4	87		Red Bank Creek near Red Bluff	Station Location		Station located at Red Bank Road Bridge, 11 miles southwest of Red Bluff.	Station located at Briggs Road Bridge, 11 miles southwest of Red Bluff.
4	198	11.0R	Hallwood Irrigation Company	Diversions	December	13,503	4,863
					January	2,530	1,140
					April	17,650	10,950
					May	32,730	19,600
					June	29,734	17,210
					July	29,880	17,540
					August	28,060	16,120
					September	15,160	9,880
					TOTAL	169,334	97,390
4	239		Sutter Bypass at Long Bridge	Station Location		Station located on west levee, 0.2 mile north of State Highway 20, 319 miles east of Meridian.	Station located on west levee, 0.2 mile north of State Highway 20, 3.9 miles east of Meridian.
4	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	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 heignts above 99.99 feet. For values at reference datum, add 50 feet to gage height readings.
				1970			
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 neignt readings.
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

TABLE B-15 (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
4	67		Burney Creek near Burney (Continued)	Daily Mean Discharge	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	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

Appendix C

GROUND WATER MEASUREMENTS

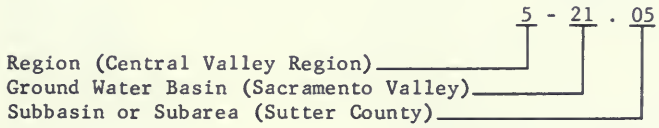
INTRODUCTION

This appendix contains ground water level measurements from 2,162 wells for the period October 1, 1970, through September 30, 1971. It contains hydrographs of selected wells and tables which summarize the measurements.

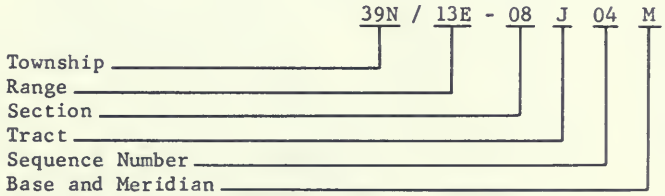
There are 37 ground water basins or areas in the Northern Central Valley Region and the Northern Lahontan Region for which data are reported. Wells are selected to reflect the ground water conditions of the area. These wells are continuously reviewed, and when conditions dictate, replacement wells are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

Two numbering systems are used by the Department to facilitate processing of water level measurement data. The two systems are the Region and Basin Designation and the State Well Numbering System as described below.

The regions used in this report are geographic areas defined in Section 13200 of the Water Code. That portion of Northern California covered by this report comprises the northern portions of Central Valley Region No. 5 and Lahontan Region No. 6. A decimal system of the form 0-00.00 has been selected according to geographic regions, ground water basins, and subbasins or subareas as follows:



The State Well Numbering System is based on township, range, and section subdivisions of the public land survey. The number of a well, assigned in accordance with this system, is referred to as the State Well Number, as illustrated below:



This number identifies and locates the well. In the example, the well is in Township 39 North, Range 13 East, Tract J of Section 8, located in the Mount Diablo Base and Meridian. A section is divided into 40-acre tracts as follows:

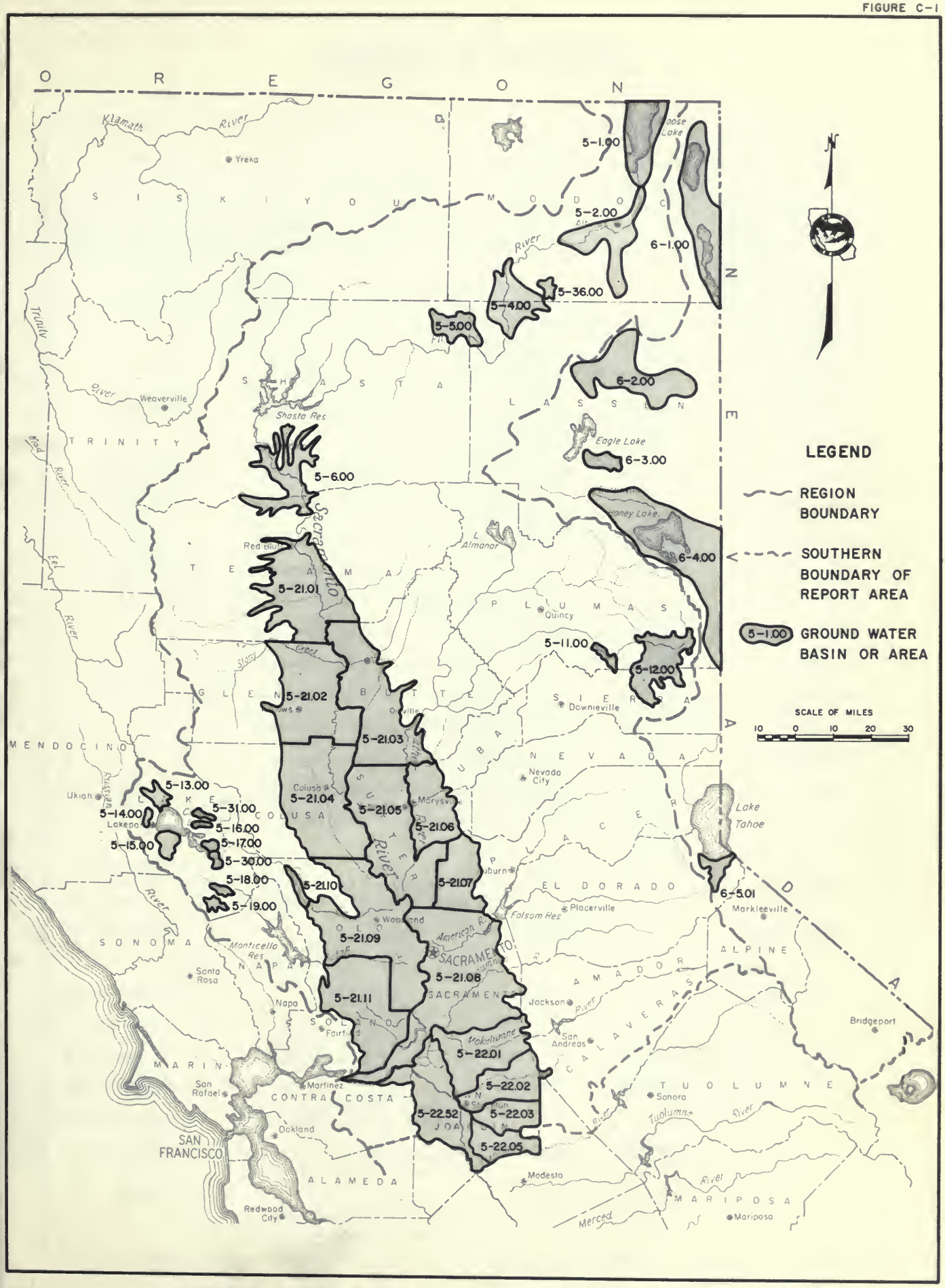
D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Sequence numbers in a tract are generally assigned in chronological order. The example designates the fourth well to be assigned a number in Tract J.

INDEX TO GROUND WATER MEASUREMENT DATA
IN NORTHEASTERN CALIFORNIA

Number		Page
	CENTRAL VALLEY REGION 5-00.00	
5-01.00	Goose Lake Valley	222, 233
5-02.00	Alturas Basin	222, 233
5-04.00	Big Valley	222, 233
5-36.00	Round Valley	222, 233
5-05.00	Fall River Valley	222, 233
5-06.00	Redding Basin	222, 233
5-11.00	Mohawk Valley	222, 234
5-12.00	Sierra Valley	222, 234
5-13.00	Upper Lake Valley	222, 234
5-14.00	Scott Valley	222, 234
5-15.00	Kelseyville Valley	222, 234
5-31.00	Long Valley	222, 235
5-16.00	High Valley	222, 235
5-17.00	Burns Valley	222, 235
5-30.00	Lower Lake Area	222, 235
5-18.00	Coyote Valley	222, 235
5-19.00	Collayomi Valley	222, 235
5-21.00	Sacramento Valley	
5-21.01	Tehama County	222, 235
5-21.02	Glenn County	222, 237
5-21.03	Butte County	222, 241
5-21.04	Colusa County	222, 244
5-21.05	Sutter County	222, 246
5-21.06	Yuba County	222, 248
5-21.07	Placer County	222, 250
5-21.08	Sacramento County	223, 252
5-21.09	Yolo County	223, 258
5-21.10	Capay Valley	223, 264
5-21.11	Solano County	223, 264
5-22.00	San Joaquin Valley	
5-22.01	Mokelumne River Area	223, 268
5-22.02	Calaveras River Area	223, 271
5-22.03	Farmington-Collegeville Area	223, 275
5-22.05	South San Joaquin Irrigation District	223, 276
5-22.52	Delta Area	223, 276
	LAHONTAN REGION 6-00.00	
6-01.00	Surprise Valley	223, 277
6-02.00	Madeline Plains	223, 277
6-04.00	Honey Lake Valley	223, 277
6-05.00	Tahoe Valley	
6-05.01	South Tahoe Valley	223, 278

FIGURE C-1



GROUND WATER BASINS IN NORTHEASTERN CALIFORNIA

TABLE C-1

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

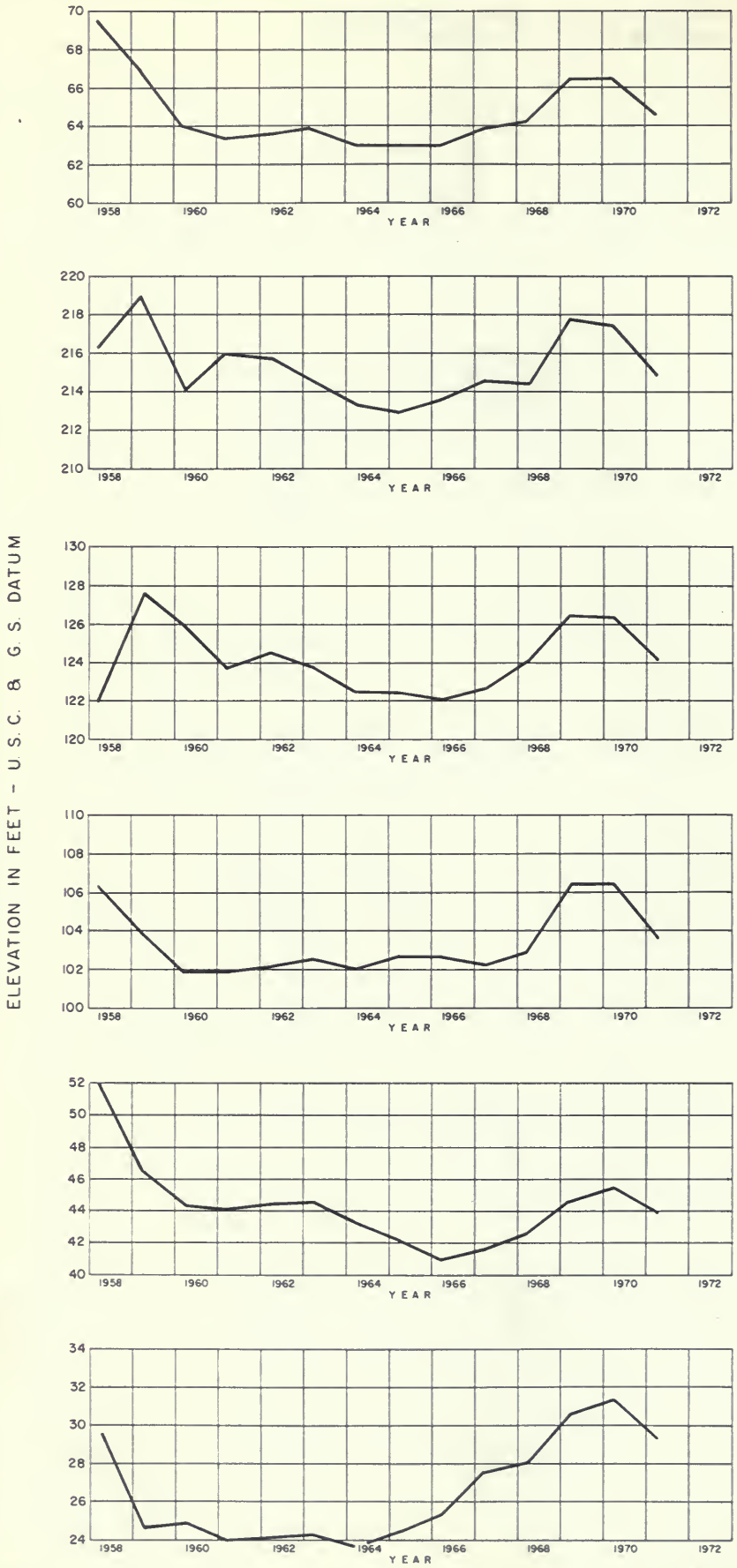
Ground Water Basin or Area		Average Change Spring 1970 to Spring 1971 in Feet	Measuring Agency	Number of Wells Reported		
Name	Number			Monthly 1970-71	Fall 1970	Spring 1971
CENTRAL VALLEY REGION						
Goose Lake Valley	5-01.00	+1.2	Department of Water Resources		2	2
Alturas Basin	5-02.00	+1.0	Department of Water Resources	6		
Big Valley	5-04.00	+0.2	Department of Water Resources		4	4
Round Valley	5-36.00	+1.1	Department of Water Resources		2	2
Fall River Valley	5-05.00	-1.0	Department of Water Resources		3	3
Redding Basin	5-06.00	-0.5	Department of Water Resources	10		
Mohawk Valley	5-11.00	-0.4	Department of Water Resources			1
Sierra Valley	5-12.00	+0.6	Department of Water Resources		25	25
Upper Lake Valley	5-13.00	-0.4	Department of Water Resources		5	5
Scott Valley	5-14.00	+1.0	Department of Water Resources		1	1
Kelseyville Valley	5-15.00	-1.7	Department of Water Resources		11	11
Long Valley	5-31.00	-0.2	Department of Water Resources		2	2
High Valley	5-16.00	-0.2	Department of Water Resources		2	2
Burns Valley	5-17.00	0.0	Department of Water Resources		1	1
Lower Lake Area	5-30.00	-0.8	Department of Water Resources		1	1
Coyote Valley	5-18.00	-0.2	Department of Water Resources		1	1
Collayomi Valley	5-19.00	-0.2	Department of Water Resources		1	2
Sacramento Valley	5-21.00					
Tehama County	5-21.01	-2.6	U. S. Bureau of Reclamation		5	5
			Department of Water Resources	14	60	60
Glenn County	5-21.02	-2.2	Glenn County		113	113
			U. S. Bureau of Reclamation		25	25
			Department of Water Resources	13		
Butte County	5-21.03	-2.8	Butte County		123	123
			Department of Water Resources	14		
Colusa County	5-21.04	-1.6	U. S. Bureau of Reclamation		32	32
			Department of Water Resources	8	36	36
Sutter County	5-21.05	-2.0	Sutter County		107	108
			South Sutter Water District		25	26
			Department of Water Resources		22	22
Yuba County	5-21.06	-2.6	Yuba County		68	69
			Department of Water Resources	1	26	26
Placer County	5-21.07	+1.2	Placer County		72	74
			South Sutter Water District		2	2
			Department of Water Resources	7	5	7

TABLE C-1 (Continued)

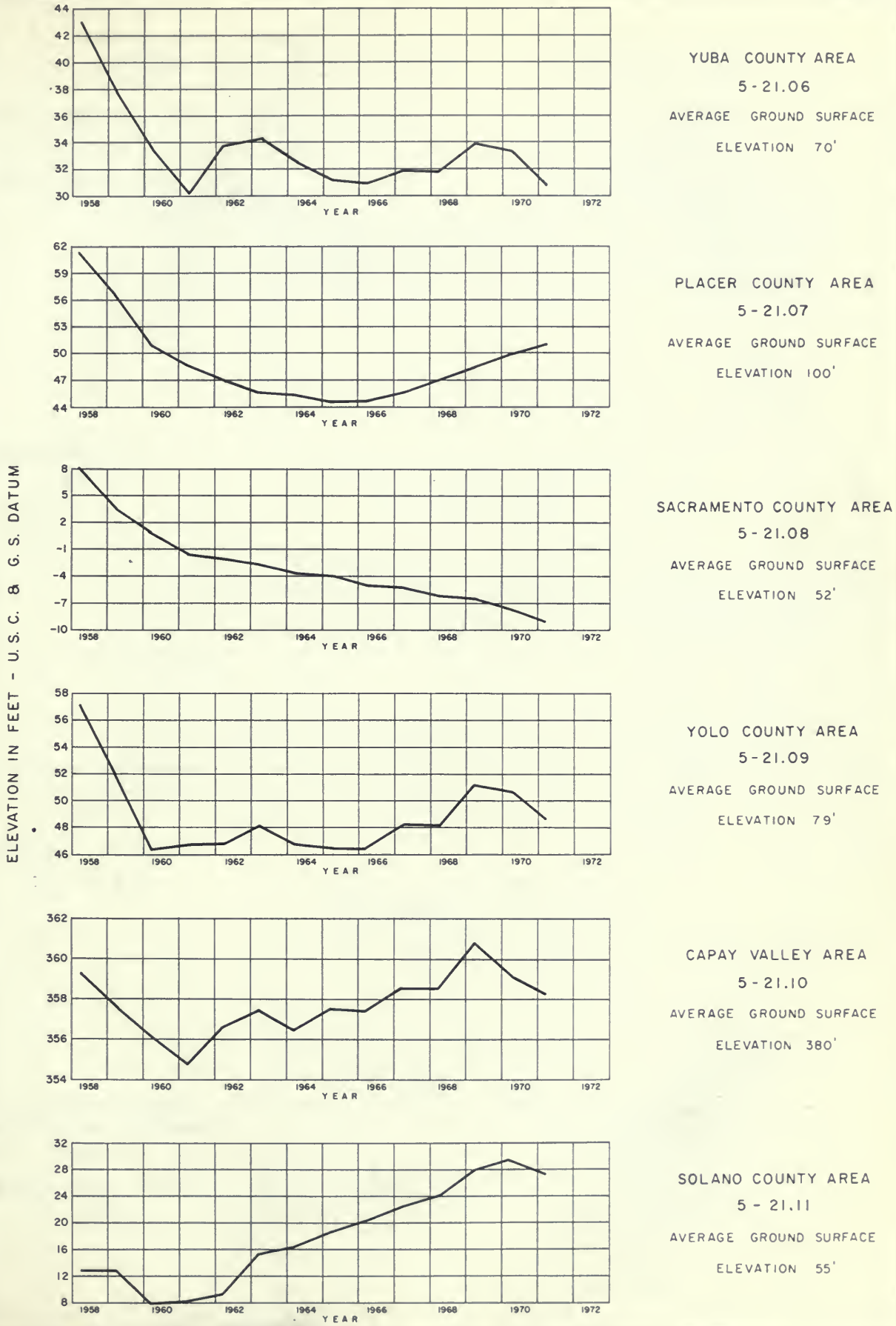
AVERAGE CHANGE OF GROUND WATER LEVELS
AND SUMMARY OF WELL MEASUREMENTS REPORTED

Ground Water Basin or Area		Average Change Spring 1970 to Spring 1971 in Feet	Measuring Agency	Number of Wells Reported		
Name	Number			Monthly 1970-71	Fall 1970	Spring 1971
Sacramento Valley (Continued)						
Sacramento County	5-21.08	-1.5	Sacramento County		100	99
			Sacramento Muni. Utility Dist.		18	19
			Arcade Water District		28	39
			U. S. Bureau of Reclamation		92	91
			Department of Water Resources	17	58	60
Yolo County	5-21.09	-2.0	Yolo County		165	164
			U. S. Bureau of Reclamation		87	86
			Department of Water Resources	12	25	27
Capay Valley	5-21.10	-1.0	Yolo County		21	21
Solano County	5-21.11	-2.2	Solano County		28	28
			U. S. Bureau of Reclamation		100	99
			Department of Water Resources	11	24	22
San Joaquin Valley	5-22.00					
Mokelumne River Area	5-22.01	-1.0	San Joaquin County		81	82
			California Water Service Company		4	4
			East Bay Municipal Utility Dist.	1	64	63
			U. S. Bureau of Reclamation		4	4
			Department of Water Resources	1	37	40
Calaveras River Area	5-22.02	-1.3	San Joaquin County		76	76
			California Water Service Company		19	19
			East Bay Municipal Utility Dist.		3	3
			Stockton & East San Joaquin WCD		36	36
			Department of Water Resources	3	36	36
Farmington-Collegeville Area	5-22.03	-2.3	San Joaquin County		50	52
			Oakdale Irrigation District		2	2
			Stockton & East San Joaquin WCD		1	1
			Department of Water Resources	1	18	20
South San Joaquin Irrigation District	5-22.05	-0.6	San Joaquin County		2	2
			Oakdale Irrigation District		1	1
			Department of Water Resources		30	31
Delta Area	5-22.52	-1.0	San Joaquin County		2	2
			Department of Water Resources	1	13	13
LAHONTAN REGION						
Surprise Valley	6-01.00	+0.1	Department of Water Resources	6	1	1
Madeline Plains	6-02.00	+1.6	Department of Water Resources		2	2
Honey Lake Valley	6-04.00	-1.6	Department of Water Resources	5		
Tahoe Valley	6-05.00					
South Tahoe Valley	6-05.01	-0.2	Department of Water Resources	7	22	22
TOTAL				138	2,032	2,058

FIGURE C-2 SHEET 1 OF 3

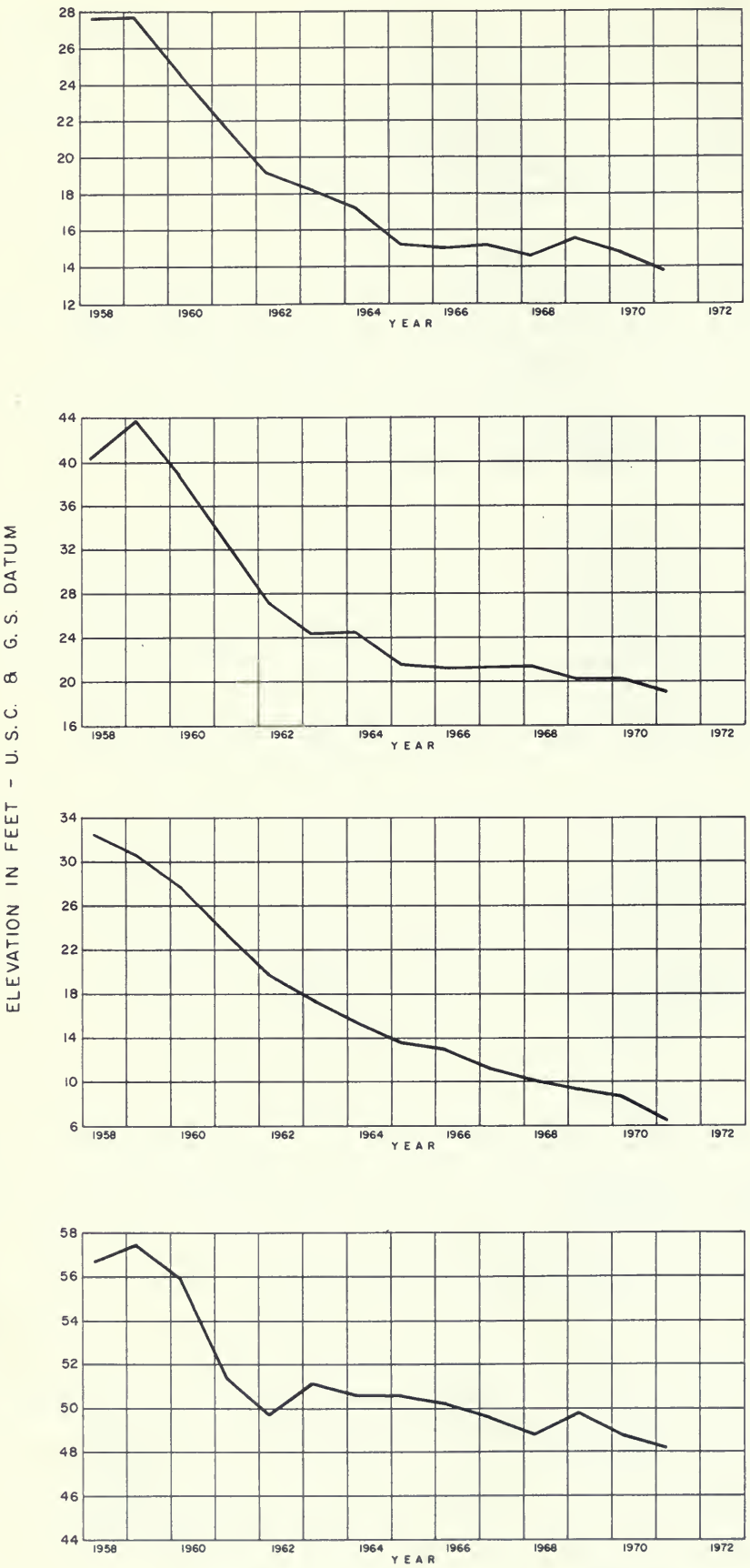


FLUCTUATION OF AVERAGE GROUND WATER LEVEL IN SELECTED AREAS



FLUCTUATION OF AVERAGE GROUND WATER LEVEL IN SELECTED AREAS

FIGURE C-2 SHEET 3 OF 3



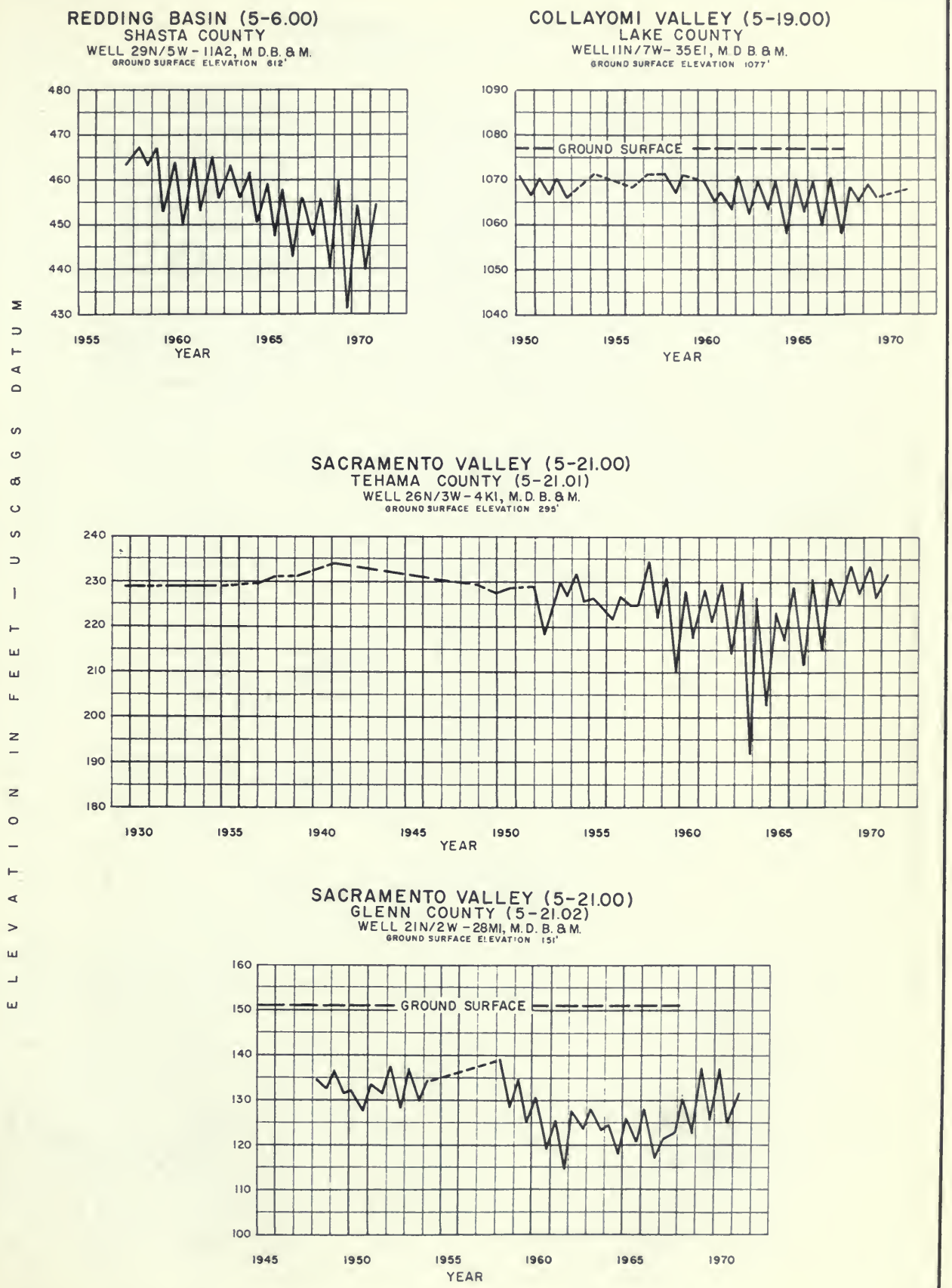
MOKELUMNE RIVER AREA
5-22.01
AVERAGE GROUND SURFACE
ELEVATION 73'

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

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

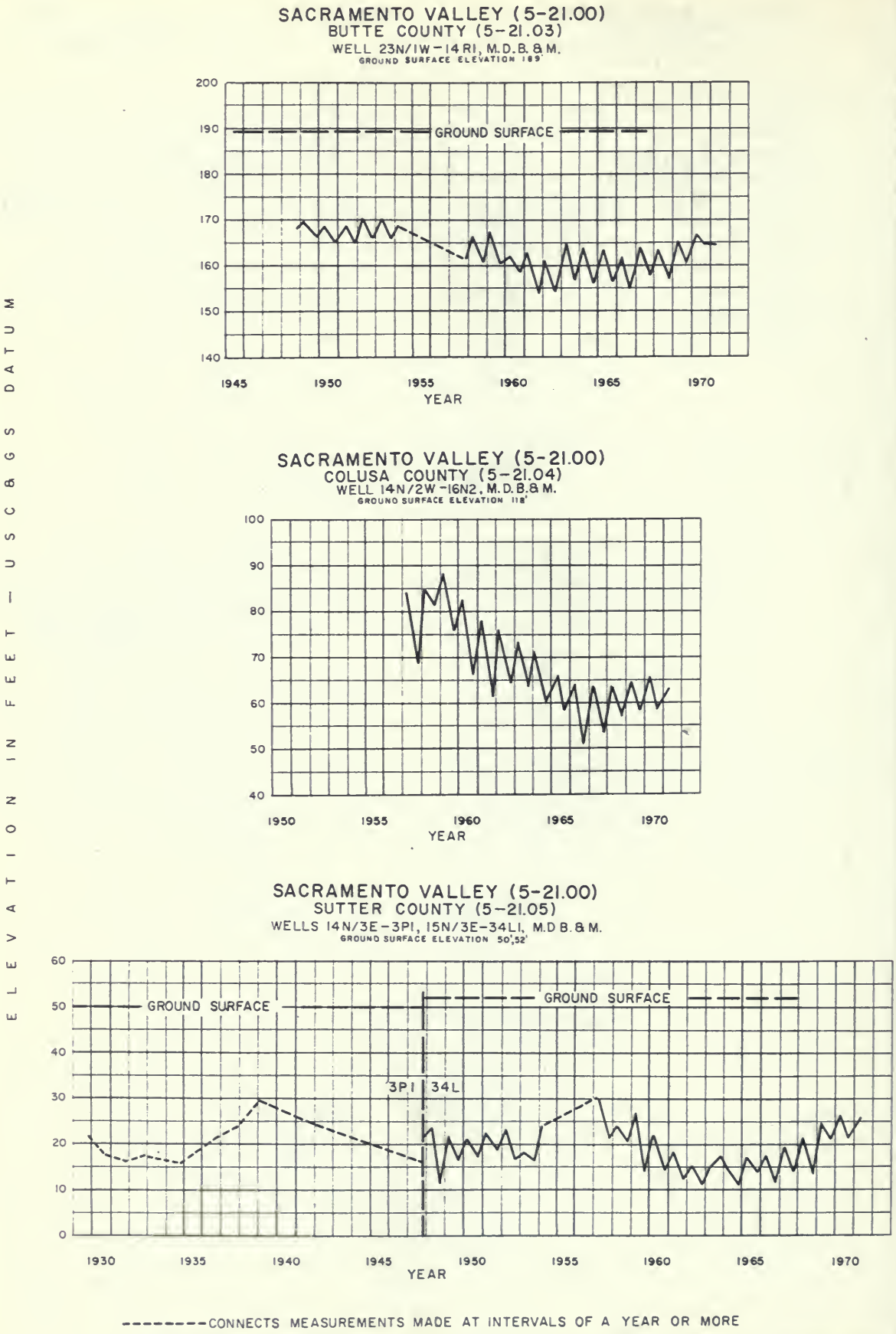
SOUTH SAN JOAQUIN IRRIGATION DISTRICT AREA
5-22.05
AVERAGE GROUND SURFACE
ELEVATION 69'

FLUCTUATION OF AVERAGE GROUND WATER LEVEL IN SELECTED AREAS

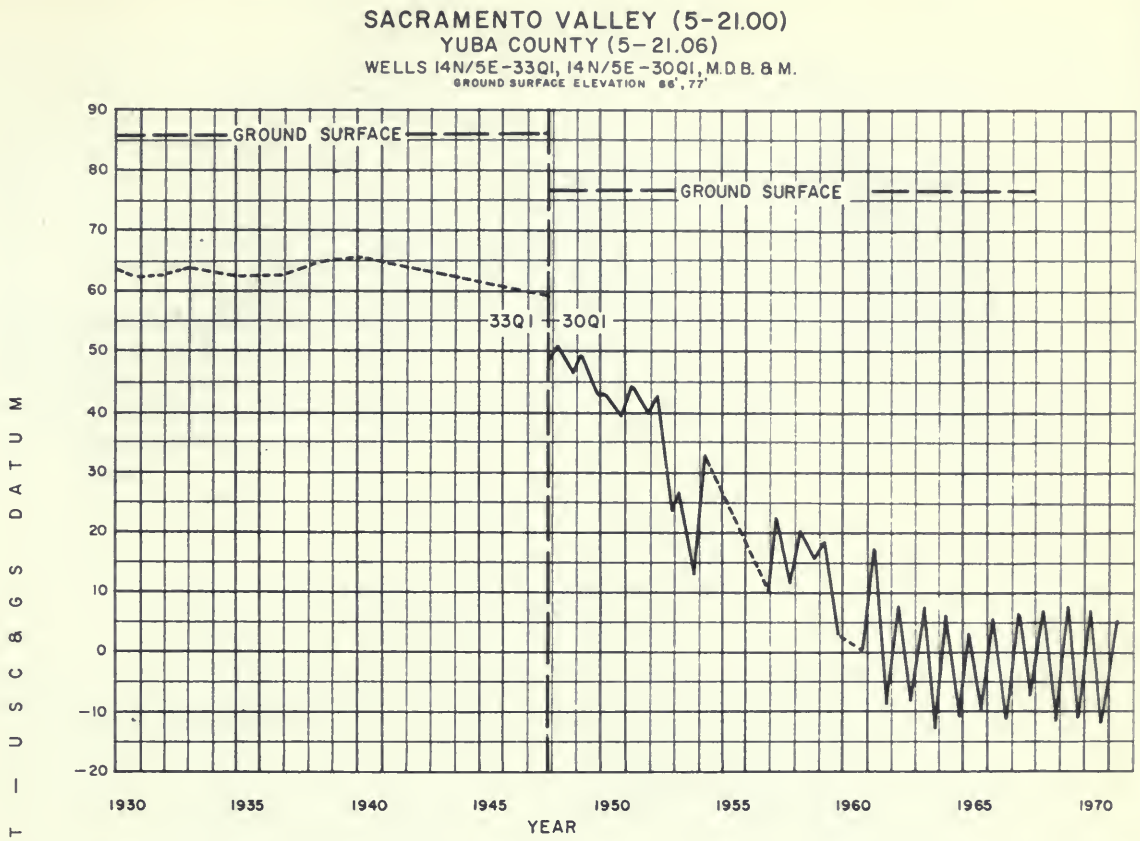


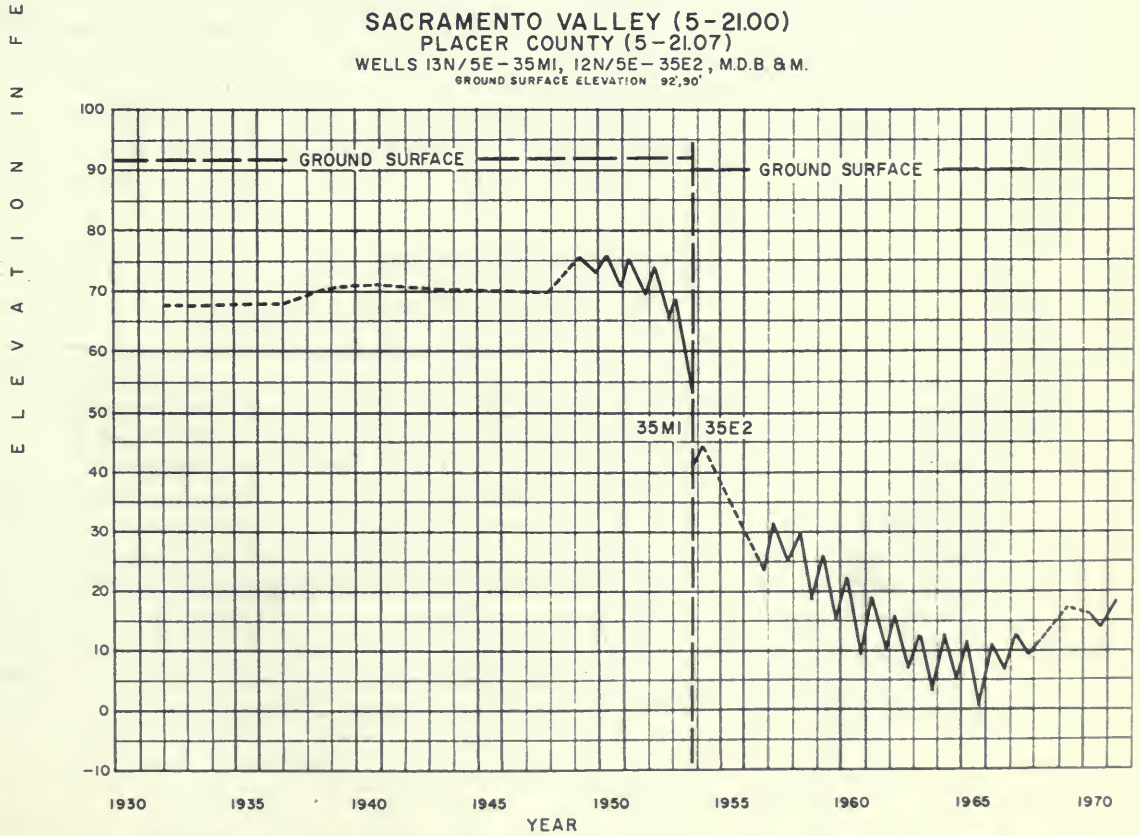
FLUCTUATION OF WATER LEVEL IN WELLS

Figure C-3 SHEET 2 OF 5



FLUCTUATION OF WATER LEVEL IN WELLS



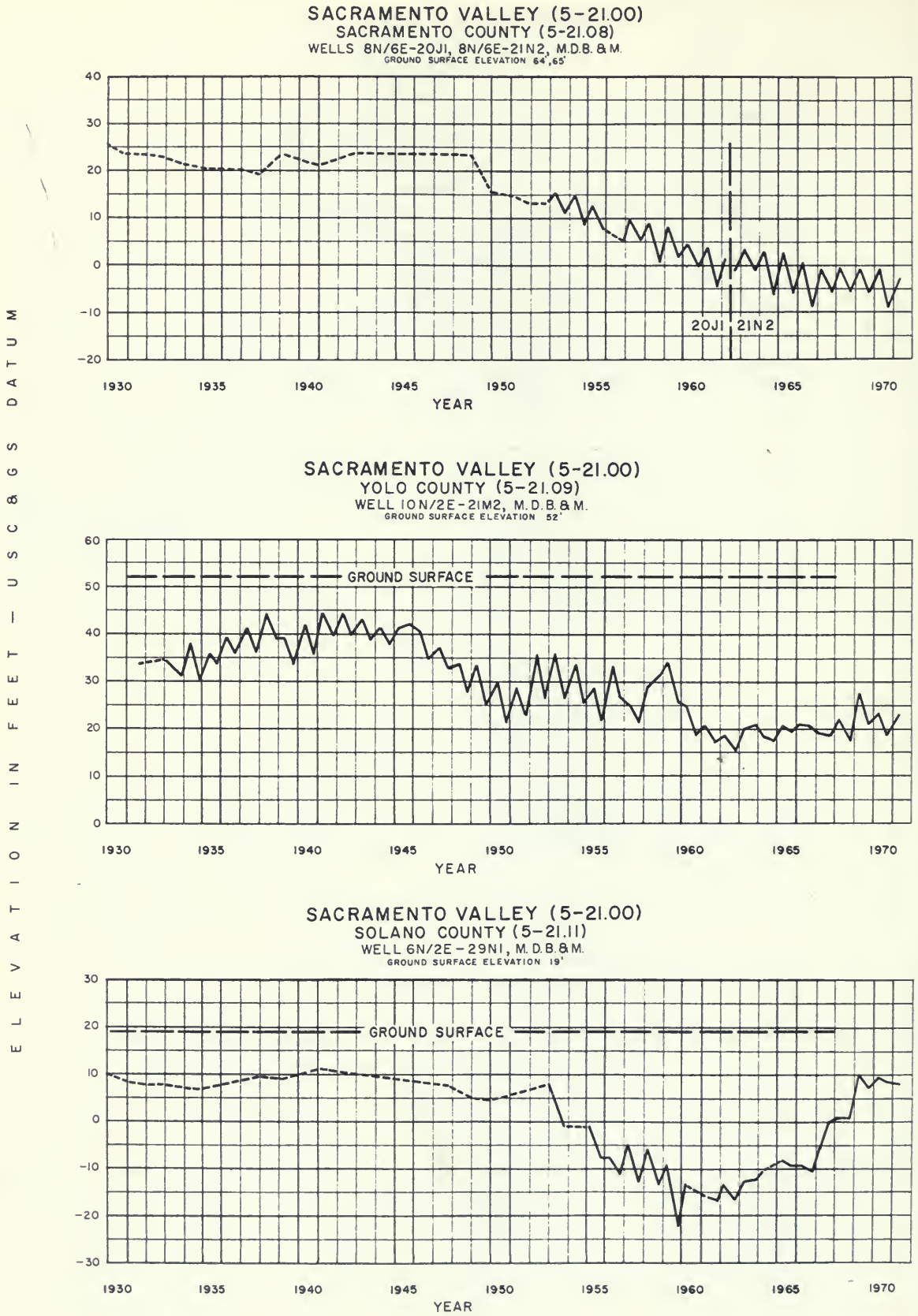


ELEVATION IN FEET — USC & GS DATUM

--------CONNECTS MEASUREMENTS MADE AT INTERVALS OF A YEAR OR MORE

FLUCTUATION OF WATER LEVEL IN WELLS

Figure C-3 SHEET 4 OF 5



FLUCTUATION OF WATER LEVEL IN WELLS

FLUCTUATION OF WATER LEVEL IN WELLS

TABLE C-2

GROUND WATER LEVELS AT WELLS

An explanation of the column headings and the code symbols follows:

State Well Number - Refer to the explanation under Introduction on page 219.

Ground Surface Elevation - The numbers in this column are the elevations in feet above mean sea level (USGS Datum) of the ground surface at the well. Elevations are usually taken from topographic maps and the accuracy is controlled by topographic standards.

Date - The date shown is when the depth measurement given in the next column was made.

Ground Surface to Water Surface - This is the measured depth in feet from the ground surface to the water surface in the well; certain of the depth measurements in the column may be preceded by a number in parentheses to indicate a questionable measurement. The code applicable to these "questionable measurements" is as follows:

(1) Pumping
(2) Nearby pump operating
(3) Casing leaking or wet
(4) Pumped recently
(5) Air or pressure gage measurement
(6) Other
(7) Recharge operation at or near well
(8) Oil in casing
(9) Caved or deepened

When a measurement was attempted, but could not be obtained, then only a number in parentheses is shown in the column. The code applicable to these "no measurements" is as follows:

(1) Pumping
(2) Pump house locked
(3) Tape hung up
(4) Cannot get tape in casing
(5) Unable to locate well
(6) Well has been destroyed
(7) Special
(8) Casing leaking or wet
(9) Temporarily inaccessible
(0) Measurements discontinued

The words FLOW and DRY are shown in this column to indicate a flowing or dry well, respectively. A minus preceding the number in this column indicates that the static water level in the well is this distance in feet above the ground surface.

Water Surface Elevation - This is the elevation in feet above mean sea level (USGS Datum) of the water surface in the well. It was derived by subtraction of the depth measurement from the ground surface elevation.

Agency Supplying Data - Each number in this column is the code number for the agency supplying data for that measurement. The agencies supplying data for this report and the code numbers assigned to them are as follows:

Code	Agency
4202	Sacramento Municipal Utility District
4400	Arcade Water District
4520	Oakdale Irrigation District
4701	California Water Service Company
5001	U. S. Bureau of Reclamation
5050	Department of Water Resources
5102	Sutter County
5103	Yuba County
5104	Yolo County
5105	Glenn County
5106	Butte County
5107	Placer County
5108	Sacramento County
5109	Solano County
5110	San Joaquin County
5401	South Sutter Water District
5550	Stockton and East San Joaquin Water Conservation District
8201	East Bay Municipal Utility District

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CENTRAL VALLEY REGION 5-00.00					
GOOSE LAKE VALLEY 5-01.00					
45N/14E-17P01M	4796.9	10-20-70	49.6	4747.3	5050
		3-30-71	46.9	4750.0	5050
48N/14E-24A03M	4847.3	10-20-70	18.9	4828.4	5050
		3-30-71	12.3	4835.0	5050
ALTURAS BASIN 5-02.00					
39N/13E-08K04M	4453.4	10-21-70	18.2	4435.2	5050
		3-30-71	20.2	4433.2	5050
		4-22-71	19.0	4434.4	5050
		5-20-71	21.8	4431.6	5050
		6-17-71	17.8	4435.6	5050
		7-21-71	19.0	4434.4	5050
		8-18-71	19.3	4434.1	5050
		9-23-71	20.8	4432.6	5050
41N/10E-06D01M	4303.4	10-20-70	7.2	4296.2	5050
		3-29-71	4.0	4299.4	5050
		4-21-71	4.5	4298.9	5050
		5-19-71	4.9	4298.5	5050
		6-16-71	5.1	4298.3	5050
		7-20-71	5.2	4298.2	5050
		8-16-71	5.9	4297.5	5050
		9-22-71	6.6	4296.8	5050
41N/12E-11D01M	4382.6	10-20-70	20.6	4362.0	5050
		3-30-71	19.0	4363.6	5050
		4-22-71	19.7	4362.9	5050
		5-19-71	19.5	4363.1	5050
		6-17-71	18.5	4364.1	5050
		7-21-71	19.8	4362.8	5050
		8-17-71	19.7	4362.9	5050
		9-23-71	19.9	4362.7	5050
42N/11E-30C01M	4340.6	10-20-70	9.0	4331.6	5050
		3-29-71	4.9	4335.7	5050
		4-21-71	5.1	4335.5	5050
		5-19-71	5.5	4335.1	5050
		6-16-71	5.6	4335.0	5050
		7-20-71	6.4	4334.2	5050
		8-16-71	7.2	4333.4	5050
		9-22-71	7.9	4332.7	5050
42N/13E-06P01M	4398.0	10-20-70	6.8	4391.2	5050
		3-29-71	3.7	4394.3	5050
		4-21-71	4.7	4393.3	5050
		5-19-71	5.5	4392.5	5050
		6-16-71	4.9	4393.1	5050
		7-20-71	5.4	4392.6	5050
		8-18-71	6.1	4391.9	5050
		9-22-71	5.9	4392.1	5050
42N/13E-34M01M	4431.1	10-21-71	10.1	4421.0	5050
		3-30-71	7.7	4423.4	5050
		4-22-71	7.6	4423.5	5050
		5-19-71	6.3	4424.8	5050
		6-17-71	6.4	4424.7	5050
		7-21-71	7.8	4423.3	5050
		8-18-71	7.9	4423.2	5050
		9-23-71	9.3	4421.8	5050
BIG VALLEY 5-04.00					
38N/07E-32A02M	4115.5	10-20-70	5.6	4109.9	5050
		3-29-71	0.6	4114.9	5050
38N/07E-32N01M	4149.5	10-20-70	37.5	4112.0	5050
		3-29-71	36.5	4113.0	5050
38N/08E-17K01M	4149.9	10-20-70	12.7	4137.2	5050
		3-29-71	4.0	4145.9	5050
39N/09E-28F01M	4203.2	10-20-70	6.5	4196.7	5050
		3-29-71	6.2	4197.0	5050
ROUND VALLEY 5-36.00					
39N/09E-02P02M	4286.1	10-20-70	8.0	4278.1	5050
		3-29-71	2.0	4284.1	5050
39N/09E-10P01M	4229.9	10-20-70	10.1	4219.8	5050
		3-29-71	3.4	4226.5	5050
FALL RIVER VALLEY 5-05.00					
37N/05E-01J01M	3322.7	10-20-70	8.9	3313.8	5050
		3-29-71	5.9	3316.8	5050
37N/05E-30K02M	3328.6	10-20-70	48.3	3280.3	5050
		3-29-71	48.0	3280.6	5050
38N/04E-33F01M	3318.0	10-20-70	5.8	3312.2	5050
		3-29-71	3.3	3314.7	5050
REDDING BASIN 5-06.00					
29N/03W-06P01M	409.7	10-19-70	32.1	377.6	5050
		11-18-70	32.9	376.8	5050
		12-17-70	30.7	379.0	5050
		1-19-71	28.4	381.3	5050
		2-18-71	32.7	377.0	5050
		3-17-71	32.2	377.5	5050
		4-20-71	32.4	377.3	5050
		5-18-71	33.0	376.7	5050
		6-15-71	32.7	377.0	5050
		7-19-71	33.7	376.0	5050
		8-20-71	33.7	376.0	5050
		9-24-71	33.7	376.0	5050
29N/04W-02P01M	445.0	10-19-70	58.0	387.0	5050
		11-18-70	57.9	387.1	5050
		12-17-70	56.7	388.3	5050
		1-18-71	56.8	388.2	5050
		2-18-71	56.8	388.2	5050
		3-17-71	57.4	387.6	5050
		4-20-71	57.0	388.0	5050
		5-18-71	58.5	386.5	5050
		6-15-71	57.7	387.3	5050
		7-19-71	59.8	385.2	5050
		8-20-71	59.7	385.3	5050
		9-24-71	59.9	385.1	5050
29N/04W-04R03M	505.0	10-19-70	58.4	446.6	5050
		11-18-70	58.3	446.7	5050
		12-17-70	57.3	447.7	5050
		1-19-71	57.3	447.7	5050
		2-18-71	57.0	448.0	5050
		3-17-71	57.4	447.6	5050
		4-20-71	57.0	448.0	5050
		5-18-71	57.6	447.4	5050
		6-15-71	57.2	447.8	5050
		7-19-71	60.2	444.8	5050
		8-20-71	62.0	443.0	5050
		9-24-71	62.0	443.0	5050
29N/04W-35B01M	535.0	5-25-71	86.3	448.7	5050
		6-15-71	86.4	448.6	5050
		7-13-71	86.4	448.6	5050
		8-20-71	86.4	448.6	5050
		9-08-71	86.4	448.6	5050
29N/05W-07B01M	549.0	10-19-70	47.4	501.6	5050
		11-18-70	47.0	502.0	5050
		12-17-70	45.5	503.5	5050
		1-19-71	43.6	505.4	5050
		2-18-71	43.0	506.0	5050
		3-17-71	43.5	505.5	5050
		4-20-71	43.0	506.0	5050
		5-18-71	43.5	505.5	5050
		6-15-71	43.2	505.8	5050
		7-19-71	45.5	503.5	5050
		8-20-71	46.0	503.0	5050
		9-24-71	46.7	502.3	5050
29N/05W-11A02M	512.0	10-19-70	(1)		5050
		11-04-70	72.0	440.0	5050
		11-18-70	66.5	445.5	5050
		12-17-70	62.5	449.5	5050
		1-19-71	59.7	452.3	5050
		2-18-71	58.0	454.0	5050
		3-17-71	57.8	454.2	5050
		4-20-71	(1)		5050
		5-18-71	(1)		5050
		6-15-71	(1)		5050
		7-19-71	(1)		5050
		8-20-71	(1)		5050
		9-19-71	(1)		5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
REDDING BASIN 5-06.00 (Continued)					
30N/04W-03Q01M	473.3	10-19-71	77.9	395.4	5050
		11-19-71	77.0	396.3	5050
		12-17-71	75.3	398.0	5050
		1-19-71	74.6	398.7	5050
		2-18-71	75.8	397.5	5050
		3-18-71	76.6	396.7	5050
		4-20-71	75.6	397.7	5050
		5-18-71	77.5	395.8	5050
		6-15-71	78.3	395.0	5050
		7-19-71	79.7	393.6	5050
		8-20-71	80.0	393.3	5050
		9-24-71	80.1	393.2	5050
30N/04W-06B03M	450.0	10-19-70	60.0	390.0	5050
		11-19-70	58.3	391.7	5050
		12-17-70	56.5	393.5	5050
		1-18-71	55.0	395.0	5050
		2-18-71	56.5	393.5	5050
		3-18-71	57.0	393.0	5050
		4-20-71	56.4	393.6	5050
		5-17-71	57.0	393.0	5050
		6-15-71	58.5	391.5	5050
		7-19-71	61.5	388.5	5050
		8-20-71	63.5	386.5	5050
		9-24-71	63.5	386.5	5050
31N/03W-29N01M	416.4	10-19-70	24.3	392.1	5050
		11-19-70	23.6	392.8	5050
		12-17-70	20.9	395.5	5050
		1-19-71	19.8	396.6	5050
		2-18-71	21.4	395.0	5050
		3-17-71	21.1	395.3	5050
		4-20-71	21.1	395.3	5050
		5-18-71	23.6	392.8	5050
		6-15-71	24.5	391.9	5050
		7-19-71	28.6	387.8	5050
		8-20-71	26.4	390.0	5050
		9-24-71	26.5	389.9	5050
31N/04W-16H01M	512.0	10-19-70	114.2	397.8	5050
		11-19-70	110.1	401.9	5050
		12-17-70	107.0	405.0	5050
		1-19-71	104.6	407.4	5050
		2-18-71	105.0	407.0	5050
		3-17-71	103.6	408.4	5050
		4-20-71	103.1	408.9	5050
		5-18-71	106.2	405.8	5050
		6-16-71	109.2	402.8	5050
		7-20-71	115.0	397.0	5050
		8-20-71	119.0	393.0	5050
		9-24-71	119.2	392.8	5050
MOHAWK VALLEY 5-11.00					
22N/12E-09P01M	4352.2	5-06-71	7.1	4345.1	5050
SIERRA VALLEY 5-12.00					
20N/14E-13Q02M	4985.6	10-14-70	4.0	4981.6	5050
		5-06-71	1.3	4984.3	5050
21N/14E-33C01M	4919.0	10-14-70	1.4	4917.6	5050
		5-06-71	0.8	4918.2	5050
21N/14E-36Q01M	4928.5	10-14-70	DRY		5050
		5-06-71	4.1	4924.4	5050
21N/15E-04P01M	4890.7	10-14-70	9.1	4881.6	5050
		5-06-71	(9)		5050
21N/15E-07R01M	4892.7	10-14-70	-6.2	4898.9	5050
		5-06-71	-8.1	4900.8	5050
21N/15E-12C01M	4918.8	10-14-70	8.0	4910.8	5050
		5-06-71	2.2	4916.6	5050
21N/15E-12P01M	4927.5	10-14-70	-0.9	4928.4	5050
		5-06-71	-9.1	4936.6	5050
21N/16E-18H01M	4995.1	10-14-70	21.7	4973.4	5050
		5-06-71	16.1	4979.0	5050
21N/16E-18H02M	4994.5	10-14-70	20.9	4973.6	5050
		5-06-71	15.0	4979.5	5050
SIERRA VALLEY 5-12.00 (Continued)					
22N/14E-02H01M	4881.2	10-14-70	8.2	4873.0	5050
		5-06-71	3.6	4877.6	5050
22N/14E-13K01M	4882.0	10-14-70	3.3	4878.7	5050
		5-06-71	2.4	4879.6	5050
22N/14E-26L01M	4894.5	10-14-70	FLOW		5050
		5-06-71	FLOW		5050
22N/15E-14K01M	4891.0	10-14-70	21.0	4870.0	5050
		5-06-71	3.5	4887.5	5050
22N/15E-22Q01M	4880.9	10-14-70	7.4	4873.5	5050
		5-06-71	3.4	4877.5	5050
22N/15E-28L01M	4881.5	10-14-70	7.9	4873.6	5050
		5-06-71	-0.2	4881.7	5050
22N/15E-35H01M	4889.7	10-14-70	23.4	4866.3	5050
		5-06-71	-3.4	4893.1	5050
22N/15E-36P01M	4904.0	10-14-70	30.7	4873.3	5050
		5-06-71	FLOW		5050
22N/16E-04A01M	4932.0	10-14-70	-2.3	4934.3	5050
		5-06-71	-4.6	4936.6	5050
22N/16E-17E02M	4901.3	10-14-70	-0.2	4901.5	5050
		5-06-71	-2.5	4903.8	5050
23N/14E-25G01M	4891.7	10-14-70	10.4	4881.3	5050
		5-06-71	5.6	4886.1	5050
23N/14E-25K01M	4891.1	10-14-70	9.5	4881.6	5050
		5-06-71	2.4	4888.7	5050
23N/15E-29H01M	4896.4	10-14-70	-9.9	4906.3	5050
		5-06-71	-11.0	4907.4	5050
23N/15E-34D01M	4888.3	10-14-70	-12.6	4900.9	5050
		5-06-71	-13.8	4902.1	5050
23N/15E-36J01M	4905.7	10-14-70	4.7	4901.0	5050
		5-06-71	2.5	4903.2	5050
23N/16E-34H01M	4964.9	10-14-70	4.6	4960.3	5050
		5-06-71	2.1	4962.8	5050
UPPER LAKE VALLEY 5-13.00					
15N/09W-07G01M	1346.4	10-08-70	24.1	1322.3	5050
		3-11-71	5.0	1341.4	5050
15N/09W-08N01M	1337.0	10-08-70	13.8	1323.2	5050
		3-11-71	4.3	1332.7	5050
15N/09W-20L01M	1324.0	10-08-70	7.0	1317.0	5050
		3-11-71	5.2	1318.8	5050
15N/10W-02N01M	1339.0	10-08-70	10.7	1328.3	5050
		3-11-71	0.2	1338.8	5050
16N/09W-31C03M	1408.2	10-08-70	28.9	1379.3	5050
		3-11-71	23.3	1384.9	5050
SCOTT VALLEY 5-14.00					
14N/10W-15H01M	1445.0	10-08-70	(1) 55.0	1390.0	5050
		3-11-71	7.8	1437.2	5050
KELSEYVILLE VALLEY 5-15.00					
13N/09W-03F05M	1349.0	10-08-70	31.0	1318.0	5050
		3-11-71	12.6	1336.4	5050
13N/09W-05J03M	1350.0	10-08-70	31.6	1318.4	5050
		3-11-71	8.0	1342.0	5050
13N/09W-09Q02M	1368.0	10-08-70	24.0	1344.0	5050
		3-11-71	7.2	1360.8	5050
13N/09W-10J01M	1367.0	10-08-70	43.0	1324.0	5050
		3-11-71	18.0	1349.0	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
KELSEYVILLE VALLEY 5-15.00 (Continued)					
13N/09W-14C01M	1381.0	10-08-70	23.8	1357.2	5050
		3-11-71	10.0	1371.0	5050
13N/09W-14G01M	1397.8	10-08-70	20.1	1377.7	5050
		3-11-71	16.7	1381.1	5050
13N/09W-14P02M	1398.8	10-08-70	33.2	1365.6	5050
		3-11-71	14.0	1384.8	5050
13N/09W-18R01M	1389.0	10-08-70	11.0	1378.0	5050
		3-11-71	2.2	1386.8	5050
13N/09W-20P01M	1413.0	10-08-70	14.0	1399.0	5050
		3-11-71	5.5	1407.5	5050
13N/09W-21F01M	1498.7	10-08-70	106.7	1392.0	5050
		3-11-71	99.9	1398.8	5050
13N/09W-22C02M	1430.0	10-08-70	26.3	1403.7	5050
		3-11-71	23.4	1406.6	5050
LONG VALLEY 5-31.00					
14N/07W-06F01M	1320.0	10-08-70	24.0	1296.0	5050
		3-10-71	10.5	1309.5	5050
		3-10-71	(0)		5050
14N/07W-06F05M	1320.0	10-08-70	28.0	1292.0	5050
		3-10-71	14.7	1305.3	5050
		3-10-71	(0)		5050
HIGH VALLEY 5-16.00					
14N/07W-19M01M	1730.0	10-08-70	14.4	1715.6	5050
		3-11-71	6.0	1724.0	5050
14N/07W-19M02M	1730.0	10-08-70	42.7	1687.3	5050
		3-11-71	30.8	1699.2	5050
BURNS VALLEY 5-17.00					
13N/07W-15Q01M	1385.0	10-08-70	6.7	1378.3	5050
		3-11-71	1.0	1384.0	5050
LOWER LAKE AREA 5-30.00					
12N/07W-13N01M	1360.0	10-08-70	18.8	1341.2	5050
		3-11-71	14.0	1346.0	5050
COYOTE VALLEY 5-18.00					
11N/06W-19G01M	967.8	10-06-70	15.9	951.9	5050
		3-09-71	12.4	955.4	5050
COLLAYOMI VALLEY 5-19.00					
10N/07W-03A02M	1107.7	10-06-70	32.3	1075.4	5050
		3-09-71	13.7	1094.0	5050
11N/07W-35E01M	1077.0	3-09-71	9.1	1067.9	5050
SACRAMENTO VALLEY 5-21.00					
TEHAMA COUNTY 5-21.01					
23N/02W-07R01M	255.0	10-27-70	99.5	155.5	5050
		3-05-71	86.8	168.2	5050
23N/02W-16B01M	182.5	10-27-70	36.7	145.8	5050
		3-05-71	30.3	152.2	5050
23N/02W-22N02M	181.0	10-27-70	36.1	144.9	5050
		3-05-71	31.2	149.8	5050
23N/02W-34A01M	170.0	10-27-70	25.1	144.9	5050
		3-05-71	21.2	148.8	5050
TEHAMA COUNTY 5-21.01 (Continued)					
23N/03W-05G01M	277.0	10-26-70	52.6	224.4	5050
		11-25-70	51.2	225.8	5050
		12-18-70	47.6	229.4	5050
		1-19-71	44.2	232.8	5050
		2-19-71	41.7	235.3	5050
		3-18-71	41.3	235.7	5050
		4-23-71	41.9	235.1	5050
		5-25-71	44.4	232.6	5050
		6-18-71	44.8	232.2	5050
		7-22-71	47.7	229.3	5050
		8-25-71	51.0	226.0	5050
		9-27-71	52.7	224.3	5050
23N/03W-12G01M	266.0	10-27-70	110.4	155.6	5050
		3-05-71	93.1	172.9	5050
23N/03W-12P02M	216.0	10-27-70	33.0	183.0	5050
		3-05-71	16.6	199.4	5050
23N/03W-22Q01M	232.0	10-27-70	62.1	169.9	5050
		3-05-71	42.2	189.8	5050
23N/03W-24A02M	205.0	10-27-70	40.2	164.8	5050
		3-05-71	29.4	175.6	5050
24N/01W-06A01M	281.0	10-26-70	16.8	264.2	5050
		3-04-71	17.0	264.0	5050
24N/01W-18N01M	254.0	10-26-70	59.5	194.5	5050
		3-04-71	59.0	195.0	5050
24N/02W-02N01M	205.0	10-26-70	7.2	197.8	5050
		11-24-70	8.0	197.0	5050
		12-21-70	5.5	199.5	5050
		1-19-71	5.5	199.5	5050
		2-19-71	6.5	198.5	5050
		3-18-71	7.4	197.6	5050
		4-26-71	6.2	198.8	5050
		5-25-71	6.3	198.7	5050
		6-18-71	7.0	198.0	5050
		7-22-71	6.2	198.8	5050
		8-25-71	6.4	198.6	5050
		9-27-71	7.3	197.7	5050
24N/02W-23G01M	197.0	10-26-70	24.1	172.9	5050
		3-04-71	19.8	177.2	5050
24N/02W-28G01M	188.4	10-26-70	30.3	158.1	5050
		3-04-71	29.3	159.1	5050
24N/02W-29E01M	216.5	10-26-70	46.5	170.0	5050
		3-04-71	32.8	183.7	5050
24N/02W-36B01M	180.0	10-26-70	16.6	163.4	5050
		3-04-71	14.1	165.9	5050
24N/03W-03J01M	276.0	10-26-70	28.3	247.7	5050
		11-25-70	28.1	247.9	5050
		12-18-70	25.8	250.2	5050
		1-19-71	24.3	251.7	5050
		2-19-71	23.1	252.9	5050
		3-18-71	23.4	252.6	5050
		4-23-71	23.0	253.0	5050
		5-25-71	24.5	251.5	5050
		6-18-71	25.6	250.4	5050
		7-22-71	27.0	249.0	5050
		8-25-71	28.4	247.6	5050
		9-27-71	29.5	246.5	5050
24N/03W-14K01M	297.0	10-26-70	78.3	218.7	5050
		3-05-71	55.4	241.6	5050
24N/03W-16A01M	288.5	10-27-70	56.2	232.3	5050
		3-01-71	37.5	251.0	5050
24N/03W-26K01M	280.0	10-26-70	67.8	212.2	5050
		3-05-71	44.0	236.0	5050
24N/03W-35P04M	250.0	10-26-70	34.0	216.0	5050
		3-05-71	22.0	228.0	5050
24N/04W-02N01M	379.2	10-27-70	31.4	347.8	5050
		3-01-71	14.2	365.0	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
TEHAMA COUNTY 5-21.01 (Continued)					
24N/04W-07R01M	460.0	10-09-70	52.4	407.6	5001
		3-10-71	48.0	412.0	5001
24N/04W-08J02M	435.0	10-09-70	62.6	372.4	5001
		3-10-71	52.2	382.8	5001
24N/04W-09A02M	405.0	10-09-70	96.7	308.3	5001
		3-10-71	77.5	327.5	5001
24N/04W-09J02M	422.0	10-09-70	82.9	339.1	5001
		3-10-71	70.0	352.0	5001
24N/04W-10B01M	395.0	10-09-70	92.0	303.0	5001
		3-10-71	81.0	314.0	5001
24N/04W-14N02M	372.5	10-27-70	78.0	294.5	5050
		3-01-71	65.0	307.5	5050
24N/04W-21G01M	396.0	10-27-70	75.5	320.5	5050
		3-01-71	81.0	315.0	5050
24N/05W-12N01M	499.0	10-27-70	29.2	469.8	5050
		3-01-71	26.2	472.8	5050
25N/01W-31M01M	280.0	10-26-70	59.8	220.2	5050
		3-04-71	63.7	216.3	5050
25N/02W-06N01M	221.0	10-28-70	20.5	200.5	5050
		3-05-71	13.5	207.5	5050
25N/02W-18F01M	215.0	10-28-70	17.4	197.6	5050
		3-05-71	12.0	203.0	5050
25N/02W-30G01M	226.0	10-27-70	40.0	186.0	5050
		3-05-71	35.8	190.2	5050
25N/02W-34K01M	204.0	10-26-70	15.7	188.3	5050
		3-04-71	13.0	191.0	5050
25N/03W-06B01M	319.5	10-20-70	39.3	280.2	5050
		3-01-71	34.1	285.4	5050
25N/03W-09K01M	285.6	10-28-70	67.5	218.1	5050
		3-05-71	31.5	254.1	5050
25N/03W-10L01M	274.0	10-26-70	48.5	225.5	5050
		11-25-70	40.8	233.2	5050
		12-18-70	37.4	236.6	5050
		1-19-71	34.9	239.1	5050
		2-19-71	34.0	240.0	5050
		3-18-71	36.7	237.3	5050
		4-23-71	43.8	230.2	5050
		5-25-71	68.8	205.2	5050
		6-18-71	73.4	200.6	5050
		7-22-71	81.8	192.2	5050
		8-25-71	83.7	190.3	5050
		9-27-71	66.2	207.8	5050
25N/03W-10L02M	274.0	10-26-70	12.7	261.3	5050
		11-25-70	11.9	262.1	5050
		12-18-70	5.8	268.2	5050
		1-19-71	3.4	270.6	5050
		2-19-71	5.6	268.4	5050
		3-18-71	7.5	266.5	5050
		4-23-71	9.0	265.0	5050
		5-25-71	8.5	265.5	5050
		6-18-71	8.5	265.5	5050
		7-22-71	9.2	264.8	5050
		8-25-71	9.0	265.0	5050
		9-27-71	9.1	264.9	5050
25N/03W-10L03M	274.0	10-26-70	49.7	224.3	5050
		11-25-70	42.0	232.0	5050
		12-18-70	38.1	235.9	5050
		1-19-71	35.5	238.5	5050
		2-19-71	34.5	239.5	5050
		3-18-71	37.3	236.7	5050
		4-23-71	45.2	228.8	5050
		5-25-71	68.7	205.3	5050
		6-18-71	70.1	203.9	5050
		7-22-71	80.3	193.7	5050
		8-25-71	81.9	192.1	5050
		9-27-71	67.2	206.8	5050
TEHAMA COUNTY 5-21.01 (Continued)					
25N/03W-10L04M	274.0	10-26-70	19.4	254.6	5050
		11-25-70	19.0	255.0	5050
		12-18-70	18.1	255.9	5050
		1-19-71	16.9	257.1	5050
		2-19-71	15.8	258.2	5050
		3-18-71	15.5	258.5	5050
		4-23-71	15.2	258.8	5050
		5-25-71	15.7	258.3	5050
		6-18-71	16.2	257.8	5050
		7-22-71	16.9	257.1	5050
		8-25-71	17.9	256.1	5050
		9-27-71	18.5	255.5	5050
25N/03W-10L05M	274.0	10-26-70	18.2	255.8	5050
		11-25-70	16.2	257.8	5050
		12-18-70	11.4	262.6	5050
		1-19-71	9.5	264.5	5050
		2-19-71	10.1	263.9	5050
		3-18-71	12.3	261.7	5050
		4-23-71	14.9	259.1	5050
		5-25-71	19.3	254.7	5050
		6-18-71	18.9	255.1	5050
		7-22-71	20.3	253.7	5050
		8-25-71	20.3	253.7	5050
		9-27-71	18.9	255.1	5050
25N/10W-10M01M	278.0	10-28-70	60.1	217.9	5050
		3-05-71	41.7	236.3	5050
25N/03W-11F01M	256.0	10-28-70	36.7	219.3	5050
		3-05-71	30.7	225.3	5050
25N/03W-13A01M	213.0	10-28-70	13.6	199.4	5050
		3-05-71	7.0	206.0	5050
25N/03W-13F01M	246.0	10-28-70	42.9	203.1	5050
		3-05-71	38.6	207.4	5050
25N/03W-13J01M	230.7	10-28-70	33.2	197.5	5050
		3-05-71	30.2	200.5	5050
25N/03W-14A01M	252.2	10-28-70	31.6	220.6	5050
		3-05-71	22.7	229.5	5050
25N/03W-15A01M	266.5	10-27-70	42.2	224.3	5050
		3-05-71	31.9	234.6	5050
25N/03W-15P01M	271.7	10-27-70	45.7	226.0	5050
		3-05-71	33.9	237.8	5050
25N/03W-19N01M	325.0	10-20-70	86.8	238.2	5050
		3-01-71	53.8	271.2	5050
25N/03W-20E01M	305.0	10-20-70	60.8	244.2	5050
		3-01-71	35.8	269.2	5050
25N/03W-22C01M	268.3	10-27-70	42.3	226.0	5050
		3-05-71	29.6	238.7	5050
25N/03W-22L01M	275.0	10-27-70	49.1	225.9	5050
		3-05-71	36.9	238.1	5050
25N/03W-31R01M	318.0	10-27-70	11.0	307.0	5050
		3-01-71	5.3	312.7	5050
26N/02W-05D01M	252.0	10-26-70	22.1	229.9	5050
		11-25-70	21.4	230.6	5050
		12-18-70	17.8	234.2	5050
		1-19-71	16.8	235.2	5050
		2-19-71	18.7	233.3	5050
		3-18-71	21.3	230.7	5050
		4-26-71	19.8	232.2	5050
		5-25-71	22.1	229.9	5050
		6-18-71	21.0	231.0	5050
		7-23-71	22.1	229.9	5050
		8-25-71	21.8	230.2	5050
		9-27-71	23.3	228.7	5050
26N/02W-09D01M	246.0	10-26-70	21.3	224.7	5050
		3-04-71	18.5	227.5	5050
26N/02W-14G01M	311.7	10-26-70	77.2	234.5	5050
		3-04-71	80.6	231.1	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
TEHAMA COUNTY 5-21.01 (Continued)					
26N/02W-21Q01M	235.0	10-26-70	20.1	214.9	5050
		3-04-71	16.7	218.3	5050
26N/02W-29N01M	220.0	10-28-70	14.9	205.1	5050
		3-05-71	(1)		5050
26N/02W-29R01M	228.0	10-26-70	8.3	219.7	5050
		11-24-70	6.6	221.4	5050
		12-21-70	2.8	225.2	5050
		1-19-71	2.5	225.5	5050
		2-19-71	2.4	225.6	5050
		3-18-71	3.3	224.7	5050
		4-26-71	3.5	224.5	5050
		5-25-71	3.8	224.2	5050
		6-18-71	4.5	223.5	5050
		7-22-71	5.5	222.5	5050
		8-25-71	6.7	221.3	5050
		9-27-71	7.4	220.6	5050
26N/02W-29R02M	228.0	10-26-70	4.0	224.0	5050
		11-24-70	4.2	223.8	5050
		12-21-70	1.0	227.0	5050
		1-19-71	-0.6	228.6	5050
		2-19-71	0.5	227.5	5050
		3-18-71	0.0	228.0	5050
		4-26-71	-0.5	228.5	5050
		5-25-71	1.5	226.5	5050
		6-18-71	2.9	225.1	5050
		7-22-71	4.7	223.3	5050
		8-25-71	5.7	222.3	5050
		9-27-71	5.2	222.8	5050
26N/03W-04K01M	295.0	10-28-70	68.2	226.8	5050
		3-04-71	63.2	231.8	5050
26N/03W-06Q01M	314.8	10-20-70	64.7	250.1	5050
		3-01-71	20.6	294.2	5050
26N/03W-08N01M	307.6	10-20-70	50.4	257.2	5050
		3-01-71	45.4	262.2	5050
26N/03W-11F01M	262.0	10-28-70	37.5	224.5	5050
		3-05-71	31.6	230.4	5050
26N/03W-14A01M	252.1	10-28-70	30.8	221.3	5050
		3-05-71	(1)		5050
26N/03W-21P01M	284.5	10-26-70	58.9	225.6	5050
		11-25-70	51.4	233.1	5050
		12-18-70	48.2	236.3	5050
		1-19-71	45.5	239.0	5050
		2-19-71	44.9	239.6	5050
		3-18-71	47.0	237.5	5050
		4-23-71	54.3	230.2	5050
		5-25-71	69.2	215.3	5050
		6-18-71	72.4	212.1	5050
		7-22-71	78.3	206.2	5050
		8-25-71	83.1	201.4	5050
		9-27-71	71.6	212.9	5050
26N/03W-24F01M	230.0	10-28-70	17.4	212.6	5050
		3-05-71	15.5	214.5	5050
26N/03W-34L02M	270.7	10-28-70	49.3	221.4	5050
		3-05-71	39.3	231.4	5050
26N/03W-34P01M	272.9	10-28-70	57.0	215.9	5050
		3-05-71	40.5	232.4	5050
27N/02W-29E01M	294.3	10-26-70	51.9	242.4	5050
		3-19-71	48.8	245.5	5050
27N/02W-30C02M	280.0	10-26-70	30.6	249.4	5050
		11-25-70	30.0	250.0	5050
		12-21-70	27.7	252.3	5050
		1-19-71	27.1	252.9	5050
		2-19-71	27.4	252.6	5050
		3-19-71	28.3	251.7	5050
		4-26-71	27.4	252.6	5050
		5-25-71	29.3	250.7	5050
		6-18-71	31.9	248.1	5050
		7-23-71	33.5	246.5	5050
		8-25-71	32.3	247.7	5050
		9-27-71	30.7	249.3	5050
27N/02W-31C01M	261.0	10-26-70	26.3	234.7	5050
		3-04-71	23.1	237.9	5050
TEHAMA COUNTY 5-21.01 (Continued)					
27N/03W-10B01M	310.0	10-26-70	52.9	257.1	5050
		11-25-70	52.5	257.5	5050
		12-21-70	51.5	258.5	5050
		1-19-71	50.1	259.9	5050
		2-19-71	49.3	260.7	5050
		3-19-71	49.2	260.8	5050
		4-26-71	49.5	260.5	5050
		5-25-71	50.4	259.6	5050
		6-18-71	51.5	258.5	5050
		7-23-71	52.0	258.0	5050
		8-25-71	56.0	254.0	5050
		9-27-71	53.2	256.8	5050
27N/03W-10N01M	280.0	10-26-70	31.9	248.1	5050
		3-04-71	34.5	245.5	5050
27N/03W-23D01M	269.0	10-26-70	24.8	244.2	5050
		3-04-71	20.0	249.0	5050
27N/03W-36J01M	251.0	10-26-70	18.2	232.8	5050
		3-04-71	15.5	235.5	5050
27N/04W-35E01M	436.0	10-20-70	130.3	305.7	5050
		3-04-71	109.8	326.2	5050
GLENN COUNTY 5-21.02					
18N/01E-17D01M	70.4	10-26-70	8.4	62.0	5105
		3-03-71	6.2	64.2	5105
18N/01W-01Q02M	73.0	10-26-70	6.1	66.9	5105
		3-03-71	1.8	71.2	5105
18N/01W-03J01M	77.5	10-28-70	13.7	63.8	5105
		3-03-71	(9)		5105
18N/01W-07D01M	81.0	10-26-70	9.0	72.0	5105
		3-03-71	7.1	73.9	5105
18N/01W-13A01M	74.4	10-26-70	10.4	64.0	5105
		3-03-71	6.2	68.2	5105
18N/01W-14D01M	75.8	10-26-70	11.0	64.8	5105
		3-03-71	7.0	68.8	5105
18N/01W-16B01M	74.0	10-26-70	11.4	62.6	5105
		3-03-71	7.0	67.0	5105
18N/01W-17A01M	80.3	10-26-70	16.6	63.7	5105
		3-03-71	10.9	69.4	5105
18N/01W-17G01M	79.0	10-26-70	17.1	61.9	5105
		3-03-71	11.5	67.5	5105
18N/01W-22L01M	70.0	10-26-70	8.1	61.9	5105
		3-03-71	6.2	63.8	5105
18N/02W-01N01M	75.0	10-26-70	7.6	67.4	5105
		3-03-71	6.4	68.6	5105
18N/02W-07C01M	85.0	10-28-70	18.0	67.0	5105
		3-02-71	14.8	70.2	5105
18N/03W-10L01M	95.0	10-26-70	4.1	90.9	5050
		11-23-70	4.1	90.9	5050
		12-22-70	3.2	91.8	5050
		1-21-71	3.8	91.2	5050
		2-23-71	5.0	90.0	5050
		3-24-71	5.3	89.7	5050
		4-27-71	5.6	89.4	5050
		5-27-71	5.3	89.7	5050
		6-24-71	4.9	90.1	5050
		7-27-71	4.5	90.5	5050
		8-26-71	4.0	91.0	5050
		9-28-71	3.5	91.5	5050
18N/03W-20C01M	109.0	10-28-70	3.1	105.9	5105
		3-02-71	3.3	105.7	5105
18N/03W-22D01M	94.0	10-28-70	1.9	92.1	5105
		3-02-71	2.6	91.4	5105
18N/04W-11B03M	151.0	10-28-70	26.6	124.4	5105
		3-02-71	26.9	124.1	5105

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
GLENN COUNTY 5-21.02 (Continued)					
18N/04W-12A01M	130.0	10-28-70	14.3	115.7	5105
		3-02-71	11.3	118.7	5105
18N/04W-23F01M	151.0	10-28-70	14.2	136.8	5105
		3-02-71	13.6	137.4	5105
19N/01E-08R01M	91.0	10-26-70	6.7	84.3	5105
		3-03-71	6.2	84.8	5105
19N/01W-07B01M	96.0	10-26-70	19.5	76.5	5105
		3-03-71	19.7	76.3	5105
19N/01W-09C01M	97.0	10-26-70	18.6	78.4	5105
		3-03-71	15.7	81.3	5105
19N/01W-10D01M	92.5	10-26-70	13.7	78.8	5105
		3-03-71	9.0	83.5	5105
19N/01W-14K01M	87.0	10-26-70	12.9	74.1	5105
		3-03-71	8.8	78.2	5105
19N/01W-15D01M	91.0	10-26-70	11.9	79.1	5105
		3-03-71	8.9	82.1	5105
19N/01W-20A01M	94.8	10-26-70	20.4	74.4	5105
		3-03-71	18.6	76.2	5105
19N/02W-01F01M	92.0	10-26-70	6.4	85.6	5105
		3-03-71	4.7	87.3	5105
19N/02W-05N01M	111.0	10-28-70	7.6	103.4	5105
		3-02-71	9.1	101.9	5105
19N/02W-09A01M	96.1	10-26-70	5.6	90.5	5105
		3-03-71	6.0	90.1	5105
19N/02W-10H01M	92.0	10-26-70	6.6	85.4	5105
		3-03-71	6.7	85.3	5105
19N/02W-13J01M	86.0	10-26-70	11.6	74.4	5050
		11-23-70	11.4	74.6	5050
		12-23-70	6.1	79.9	5050
		1-21-71	4.9	81.1	5050
		2-24-71	7.5	78.5	5050
		3-24-71	9.8	76.2	5050
		4-23-71	9.8	76.2	5050
		5-27-71	9.6	76.4	5050
		6-24-71	9.8	76.2	5050
		7-27-71	10.7	75.3	5050
		8-26-71	9.7	76.3	5050
		9-28-71	10.2	75.8	5050
19N/02W-15J01M	85.0	10-26-70	7.3	77.7	5105
		3-03-71	7.1	77.9	5105
19N/02W-19D01M	103.0	10-28-70	4.9	98.1	5105
		3-02-71	6.1	96.9	5105
19N/02W-23Q01M	86.0	10-26-70	9.0	77.0	5105
		3-03-71	7.2	78.8	5105
19N/02W-29Q01M	90.0	10-28-70	4.8	85.2	5105
		3-02-71	3.9	86.1	5105
19N/02W-30D01M	100.0	10-28-70	9.8	90.2	5105
		3-02-71	10.0	90.0	5105
19N/02W-34F01M	83.0	10-26-70	6.9	76.1	5105
		3-03-71	6.1	76.9	5105
19N/02W-36H01M	81.4	10-26-70	9.5	71.9	5105
		3-03-71	6.4	75.0	5105
19N/03W-01H01M	117.0	10-28-70	8.4	108.6	5105
		3-02-71	9.4	107.6	5105
19N/03W-02N01M	120.0	10-28-70	9.9	110.1	5105
		3-02-71	10.6	109.4	5105
19N/03W-03Q01M	128.0	10-28-70	9.8	118.2	5105
		3-02-71	12.2	115.8	5105
19N/03W-08B01M	134.1	10-28-70	33.6	100.5	5105
		3-02-71	31.5	102.6	5105
GLENN COUNTY 5-21.02 (Continued)					
19N/03W-11N02M	123.0	10-28-70	4.8	118.2	5105
		3-02-71	13.3	109.7	5105
19N/03W-32E01M	130.0	10-28-70	11.4	118.6	5105
		3-02-71	13.6	116.4	5105
19N/04W-01A01M	165.0	10-28-70	56.1	108.9	5105
		3-02-71	49.3	115.7	5105
19N/04W-03J01M	188.7	10-28-70	20.2	168.5	5105
		3-02-71	21.2	167.5	5105
19N/04W-11L01M	184.0	10-28-70	47.3	136.7	5105
		3-02-71	47.0	137.0	5105
19N/04W-12E01M	174.0	10-26-70	66.2	107.8	5050
		11-23-70	62.0	112.0	5050
		12-22-70	60.0	114.0	5050
		1-21-71	58.0	116.0	5050
		2-24-71	55.8	118.2	5050
		3-27-71	54.2	119.8	5050
		4-27-71	54.5	119.5	5050
		5-27-71	(7)		5050
		6-24-71	(7)		5050
		7-27-71	(7)		5050
		8-26-71	68.5	105.5	5050
		9-28-71	69.5	104.5	5050
19N/04W-25B01M	152.3	10-28-70	40.8	111.5	5105
		3-02-71	38.4	113.9	5105
19N/04W-35C01M	165.0	10-28-70	(8)		5105
		3-02-71	39.2	125.8	5105
20N/01W-07B01M	115.0	10-26-70	7.8	107.2	5105
		3-03-71	7.9	107.1	5105
20N/01W-20N02M	102.0	10-26-70	14.2	87.8	5105
		3-03-71	15.7	86.3	5105
20N/01W-31E01M	96.0	10-26-70	9.9	86.1	5105
		3-03-71	10.1	85.9	5105
20N/02W-02J01M	125.0	10-26-70	8.0	117.0	5105
		3-03-71	8.7	116.3	5105
20N/02W-05A01M	144.0	10-27-70	18.7	125.3	5105
		3-01-71	16.8	127.2	5105
20N/02W-09A01M	131.8	10-27-70	6.5	125.3	5105
		3-03-71	8.4	123.4	5105
20N/02W-13G01M	113.0	10-26-70	4.7	108.3	5105
		3-03-71	5.4	107.6	5105
20N/02W-27J01M	102.0	10-26-70	8.4	93.6	5105
		3-03-71	7.5	94.5	5105
20N/02W-29G01M	117.0	10-26-70	7.0	110.0	5050
		11-23-70	7.8	109.2	5050
		12-23-70	6.0	111.0	5050
		1-21-71	6.3	110.7	5050
		2-24-71	7.8	109.2	5050
		3-24-71	8.0	109.0	5050
		4-23-71	6.4	110.6	5050
		5-27-71	4.6	112.4	5050
		6-24-71	4.8	112.2	5050
		7-27-71	4.5	112.5	5050
		8-26-71	4.1	112.9	5050
		9-28-71	5.7	111.3	5050
20N/03W-03D02M	164.0	10-28-70	36.3	127.7	5105
		3-02-71	27.6	136.4	5105
20N/03W-07K03M	166.0	10-08-70	(1)		5001
		3-08-71	(1)		5001
20N/03W-10B01M	155.0	10-28-70	33.7	121.3	5105
		3-05-71	35.5	119.5	5105
20N/03W-10D02M	156.0	10-28-70	35.3	120.7	5105
		3-02-71	46.8	109.2	5105
20N/03W-12C01M	159.0	10-28-70	34.9	124.1	5105
		3-02-71	29.6	129.4	5105

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
GLENN COUNTY 5-21.02 (Continued)					
20N/03W-19B01M	159.5	10-08-70	45.1	114.4	5001
		3-10-71	32.5	127.0	5001
20N/03W-21A02M	143.7	10-08-70	45.3	98.4	5001
		3-10-71	34.7	109.0	5001
20N/03W-24B03M	142.0	10-28-70	25.3	116.7	5105
		3-02-71	22.8	119.2	5105
20N/03W-25Q01M	134.0	10-28-70	22.5	111.5	5105
		3-02-71	22.3	111.7	5105
20N/03W-31A01M	147.5	10-08-70	48.2	99.3	5001
		3-10-71	42.7	104.8	5001
20N/03W-33J01M	136.0	10-08-70	31.2	104.8	5001
		3-10-71	17.0	119.0	5001
21N/01W-04N01M	135.0	10-29-70	19.2	115.8	5105
		3-01-71	16.6	118.4	5105
21N/01W-05A01M	143.5	10-29-70	22.1	121.4	5105
		3-01-71	21.6	121.9	5105
21N/01W-09N01M	129.0	10-27-70	16.5	112.5	5105
		3-03-71	16.1	112.9	5105
21N/01W-17F01M	132.5	10-27-70	19.0	113.5	5105
		3-03-71	17.2	115.3	5105
21N/01W-31E01M	129.8	10-27-70	10.3	119.5	5105
		3-03-71	11.3	118.5	5105
21N/01W-33N01M	115.0	10-26-70	18.4	96.6	5105
		3-03-71	17.1	97.9	5105
21N/02W-02B02M	161.0	10-29-70	21.8	139.2	5105
		3-01-71	21.6	139.4	5105
21N/02W-03Q01M	162.6	10-29-70	20.0	142.6	5105
		3-01-71	14.2	148.4	5105
21N/02W-09M02M	179.0	10-27-70	36.9	142.1	5105
		3-03-71	29.8	149.2	5105
21N/02W-15B01M	161.0	10-29-70	27.6	133.4	5105
		3-01-71	22.3	138.7	5105
21N/02W-20B01M	166.0	10-29-70	36.5	129.5	5105
		3-01-71	26.6	139.4	5105
21N/02W-20E01M	170.0	10-27-70	41.3	128.7	5105
		3-01-71	31.1	138.9	5105
21N/02W-22J01M	152.0	10-27-70	26.7	125.3	5105
		3-03-71	21.0	131.0	5105
21N/02W-23G01M	152.0	10-27-70	23.7	128.3	5105
		3-03-71	18.2	133.8	5105
21N/02W-23H01M	142.6	10-27-70	15.8	126.8	5105
		3-03-71	12.0	130.6	5105
21N/02W-28M01M	151.0	10-27-70	26.0	125.0	5105
		3-01-71	19.2	131.8	5105
21N/02W-31D01M	165.0	10-28-70	37.3	127.7	5105
		3-02-71	30.3	134.7	5105
21N/02W-31D02M	165.0	10-28-70	37.2	127.8	5105
		3-02-71	30.1	134.9	5105
21N/02W-31M01M	161.0	10-28-70	33.0	128.0	5105
		3-02-71	27.9	133.1	5105
21N/02W-35P01M	128.0	10-27-70	6.6	121.4	5105
		3-03-71	7.1	120.9	5105
21N/03W-02B01M	219.0	10-26-70	22.5	196.5	5050
		11-23-70	22.4	196.6	5050
		12-22-70	17.9	201.1	5050
		1-21-71	16.9	202.1	5050
		2-23-71	18.0	201.0	5050
		3-24-71	19.3	199.7	5050
		4-27-71	(1)		5050
		5-26-71	(1)		5050
		6-24-71	(1)		5050
GLENN COUNTY 5-21.02 (Continued)					
21N/03W-02B01M (Continued)	219.0	7-27-71	(1)		5050
		8-26-71	(1)		5050
		9-28-71	(1)		5050
21N/03W-08D01M	225.5	10-07-70	(1)		5001
		3-09-71	68.5	157.0	5001
21N/03W-09R01M	220.8	10-08-70	38.7	182.1	5001
		3-10-71	30.0	190.8	5001
21N/03W-10J01M	205.7	10-26-70	25.1	180.6	5050
		11-23-70	23.2	182.5	5050
		12-22-70	19.2	186.5	5050
		1-21-71	18.8	186.9	5050
		2-23-71	19.5	186.2	5050
		3-24-71	20.0	185.7	5050
		4-27-71	22.8	182.9	5050
		5-26-71	19.0	186.7	5050
		6-24-71	24.5	181.2	5050
		7-27-71	28.0	177.7	5050
		8-26-71	31.4	174.3	5050
		9-28-71	32.0	173.7	5050
21N/03W-11G01M	200.0	10-28-70	43.8	156.2	5105
		3-02-71	22.8	177.2	5105
21N/03W-11M01M	206.5	10-28-70	57.2	149.3	5105
		3-02-71	(4)58.7	147.8	5105
21N/03W-12C01M	202.0	10-28-70	(8)		5105
		3-02-71	(8)		5105
21N/03W-12C02M	202.0	10-28-70	32.7	169.3	5105
		3-02-71	22.1	179.9	5105
21N/03W-14B01M	197.8	10-28-70	34.7	163.1	5105
		3-02-71	30.4	167.4	5105
21N/03W-15C01M	215.0	10-28-70	38.3	176.7	5105
		3-02-71	32.4	182.6	5105
21N/03W-18B01M	218.0	10-08-70	79.5	138.5	5001
		3-09-71	69.9	148.1	5001
21N/03W-20D02M	206.1	10-08-70	69.6	136.5	5001
		3-10-71	54.8	151.3	5001
21N/03W-29F02M	192.0	10-08-70	63.1	128.9	5001
		3-10-71	49.1	142.9	5001
21N/03W-31C02M	199.0	10-08-70	79.2	119.8	5001
		3-10-71	72.1	126.9	5001
21N/03W-31R02M	183.0	10-26-70	63.7	119.3	5050
		11-23-70	58.9	124.1	5050
		12-22-70	54.8	128.2	5050
		1-21-71	52.5	130.5	5050
		2-23-71	50.3	132.7	5050
		3-24-71	56.7	126.3	5050
		4-27-71	61.7	121.3	5050
		5-27-71	71.8	111.2	5050
		6-24-71	69.3	113.7	5050
		7-27-71	81.3	101.7	5050
		8-26-71	88.7	94.3	5050
		9-28-71	76.8	106.2	5050
21N/03W-31R03M	183.0	10-26-70	4.5	178.5	5050
		11-23-70	4.3	178.7	5050
		12-22-70	3.9	179.1	5050
		1-21-71	3.7	179.3	5050
		2-23-71	3.6	179.4	5050
		3-24-71	4.2	178.8	5050
		4-27-71	4.3	178.7	5050
		5-27-71	4.7	178.3	5050
		6-24-71	4.6	178.4	5050
		7-27-71	5.4	177.6	5050
		8-26-71	5.5	177.5	5050
		9-28-71	5.5	177.5	5050
21N/03W-31R04M	183.0	10-26-70	62.8	120.2	5050
		11-23-70	57.6	125.4	5050
		12-22-70	53.2	129.8	5050
		1-21-71	50.4	132.6	5050
		2-23-71	48.0	135.0	5050
		3-24-71	54.8	128.2	5050
		4-27-71	58.2	124.8	5050
		5-27-71	71.2	111.8	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
GLENN COUNTY 5-21.02 (Continued)					
21N/03W-31R04M (Continued)	183.0	6-24-71	66.0	117.0	5050
		7-27-71	76.6	106.4	5050
		8-26-71	84.0	99.0	5050
		9-28-71	82.4	100.6	5050
21N/03W-31R05M	183.0	10-26-70	65.0	118.0	5050
		11-23-70	58.8	124.2	5050
		12-22-70	54.2	128.8	5050
		1-21-71	50.5	132.5	5050
		2-23-71	47.6	135.4	5050
		3-24-71	51.8	131.2	5050
		4-27-71	55.1	127.9	5050
		5-27-71	60.0	123.0	5050
		6-24-71	60.9	122.1	5050
		7-27-71	69.5	113.5	5050
		8-26-71	72.7	110.3	5050
		9-28-71	72.5	110.5	5050
21N/03W-31R06M	183.0	10-26-70	3.7	179.3	5050
		11-23-70	4.0	179.0	5050
		12-22-70	1.3	181.7	5050
		1-21-71	1.4	181.6	5050
		2-23-71	3.2	179.8	5050
		3-24-71	3.3	179.7	5050
		4-27-71	3.3	179.7	5050
		5-27-71	3.3	179.7	5050
		6-24-71	3.3	179.7	5050
		7-27-71	3.2	179.8	5050
		8-26-71	3.0	180.0	5050
		9-28-71	3.9	179.1	5050
21N/03W-32N01M	184.4	10-08-70	72.3	112.1	5001
		3-10-71	(1)		5001
21N/03W-33A04M	174.0	10-08-70	50.2	123.8	5001
		3-10-71	34.8	139.2	5001
21N/03W-35L01M	163.0	10-28-70	37.5	125.5	5105
		3-02-71	27.9	135.1	5105
21N/03W-35L02M	160.0	10-28-70	32.0	128.0	5105
		3-02-71	25.2	134.8	5105
21N/04W-12B02M	249.0	10-08-70	(1)		5001
		3-09-71	(1)		5001
21N/04W-23H01M	259.0	10-08-70	101.0	158.0	5001
		3-10-71	102.3	156.7	5001
21N/04W-24A02M	230.0	10-08-70	95.4	134.6	5001
		3-10-71	90.7	139.3	5001
22N/01W-18E02M	149.5	10-29-70	18.3	131.2	5105
		3-01-71	16.4	133.1	5105
22N/01W-18E03M	147.0	10-29-70	13.5	133.5	5105
		3-01-71	12.3	134.7	5105
22N/01W-34E01M	135.0	10-29-70	17.5	117.5	5105
		3-01-71	14.2	120.8	5105
22N/02W-03D04M	185.0	10-29-70	23.9	161.1	5105
		3-01-71	14.3	170.7	5105
22N/02W-03F01M	191.0	10-29-70	32.4	158.6	5105
		3-01-71	23.1	167.9	5105
22N/02W-13L01M	186.0	10-29-70	34.9	151.1	5105
		3-01-71 (4)	32.6	153.4	5105
22N/02W-05B01M	199.7	10-29-70	12.4	187.3	5105
		3-01-71	6.9	192.8	5105
22N/02W-05L02M	202.0	10-29-70	23.4	178.6	5105
		3-01-71	17.2	184.8	5105
22N/02W-08B02M	205.0	10-26-70	31.0	174.0	5050
		11-23-70	27.0	178.0	5050
		12-18-70	21.7	183.3	5050
		1-21-71	18.6	186.4	5050
		2-23-71	20.4	184.6	5050
		3-24-71	28.5	176.5	5050
		4-23-71	37.8	162.7	5050
		5-26-71	52.5	152.5	5050
		6-24-71	56.0	149.0	5050
		7-27-71	58.7	146.3	5050
		8-26-71	(7)		5050
		9-27-71	(7)		5050
GLENN COUNTY 5-21.02 (Continued)					
22N/02W-08D01M	207.0	10-29-70	27.7	179.3	5105
		3-01-71	22.0	185.0	5105
22N/02W-08Q01M	203.0	10-29-70	13.1	189.9	5105
		3-01-71	8.8	194.2	5105
22N/02W-09L03M	195.0	10-29-70	22.2	172.8	5105
		3-01-71	13.4	181.6	5105
22N/02W-12C01M	156.0	10-29-70	21.5	134.5	5105
		3-01-71	20.0	136.0	5105
22N/02W-14B02M	165.0	10-29-70	11.6	153.4	5105
		3-01-71	9.7	155.3	5105
22N/02W-16C01M	196.0	10-29-70	15.4	180.6	5105
		3-01-71	10.3	185.7	5105
22N/02W-20P02M	203.0	10-27-70	6.6	196.4	5105
		3-01-71	5.7	197.3	5105
22N/02W-21D01M	198.0	10-29-70	13.8	184.2	5105
		3-01-71	13.0	185.0	5105
22N/02W-23B01M	169.0	10-29-70	12.3	156.7	5105
		3-01-71	7.9	161.1	5105
22N/02W-23N01M	175.0	10-29-70	17.1	157.9	5105
		3-01-71	14.5	160.5	5105
22N/02W-24L01M	163.5	10-29-70	25.3	138.2	5105
		3-01-71	23.7	139.8	5105
22N/02W-32H03M	187.0	10-27-70	12.5	174.5	5105
		3-01-71	10.6	176.4	5105
22N/02W-36D01M	158.7	10-29-70	14.0	144.7	5105
		3-01-71	12.4	146.3	5105
22N/03W-01L01M	237.0	10-29-70	11.8	225.2	5105
		3-01-71	13.6	223.4	5105
22N/03W-04E01M	283.0	10-07-70	70.4	212.6	5001
		3-10-71	67.1	215.9	5001
22N/03W-05F01M	293.0	10-07-70	42.3	250.7	5001
		3-10-71	44.3	248.7	5001
22N/03W-07C01M	300.0	10-07-70	8.6	291.4	5001
		3-09-71	7.2	292.8	5001
22N/03W-10Q01M	256.2	10-29-70	14.2	242.0	5105
		3-01-71	16.1	240.1	5105
22N/03W-17Q01M	275.9	10-07-70	8.9	267.0	5001
		3-09-71	11.4	264.5	5001
22N/03W-21F01M	262.0	10-26-70	17.9	244.1	5050
		11-23-70	19.5	242.5	5050
		12-22-70	18.5	243.5	5050
		1-21-71	18.8	243.2	5050
		2-23-71	20.1	241.9	5050
		3-24-71	21.1	240.9	5050
		4-27-71	18.6	243.4	5050
		5-26-71	17.3	244.7	5050
		6-24-71	18.5	243.5	5050
		7-27-71	16.7	245.3	5050
		8-26-71	16.7	245.3	5050
		9-28-71	16.9	245.1	5050
22N/03W-23E01M	243.0	10-29-70	14.5	228.5	5105
		3-03-71	14.7	228.3	5105
22N/03W-24M01M	232.5	10-29-70	13.7	218.8	5105
		3-01-71	14.8	217.7	5105
22N/03W-29B01M	268.0	10-07-70	14.6	253.4	5001
		3-09-71	22.1	245.9	5001
22N/03W-31F01M	255.0	10-07-70	1.9	253.1	5001
		3-09-71	2.8	252.2	5001
22N/03W-32R01M	247.2	10-07-70	18.6	228.6	5001
		3-09-71	24.0	223.2	5001
22N/03W-33A01M	241.8	10-08-70	9.4	232.4	5001
		3-10-71	15.5	226.3	5001

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
GLENN COUNTY 5-21.02 (Continued)					
22N/04W-12L01M	318.0	10-07-70	4.1	313.9	5001
		3-09-71	5.0	313.0	5001
BUTTE COUNTY 5-21.03					
17N/01E-01R01M	69.5	10-06-70	6.0	63.5	5106
		3-05-71	6.7	62.8	5106
17N/01E-03A01M	63.2	10-06-70	6.3	56.9	5106
		3-05-71	6.6	56.6	5106
17N/01E-10A01M	63.0	10-06-70	10.6	52.4	5106
		3-05-71	9.1	53.9	5106
17N/02E-06D01M	71.0	10-22-70	8.9	62.1	5050
		11-24-70	8.7	62.3	5050
		12-22-70	6.2	64.8	5050
		1-21-71	5.7	65.3	5050
		2-23-71	8.6	62.4	5050
		3-25-71	9.1	61.9	5050
		4-23-71	6.9	64.1	5050
		5-26-71	5.6	65.4	5050
		6-25-71	6.4	64.6	5050
		7-28-71	5.7	65.3	5050
		8-26-71	4.8	66.2	5050
		9-28-71	6.5	64.5	5050
17N/02E-08D01M	74.5	10-06-70	4.3	70.2	5106
		3-05-71	6.2	68.3	5106
17N/02E-12A01M	90.0	10-06-70	10.1	79.9	5106
		3-05-71	8.0	82.0	5106
17N/02E-14A01M	82.5	10-06-70	6.1	76.4	5106
		3-05-71	5.0	77.5	5106
17N/02E-16C01M	74.0	10-06-70	4.3	69.7	5106
		3-05-71	4.6	69.4	5106
17N/03E-01R01M	100.0	10-05-70	43.5	56.5	5106
		3-04-71	33.2	66.8	5106
17N/03E-03D01M	95.0	10-06-70	24.0	71.0	5106
		3-05-71	14.8	80.2	5106
17N/03E-05C01M	96.0	10-06-70	11.7	84.3	5106
		3-05-71	10.8	85.2	5106
17N/03E-08G01M	90.0	10-06-70	10.4	79.6	5106
		3-05-71	8.5	81.5	5106
17N/03E-14H01M	92.0	10-05-70	31.2	60.8	5106
		3-04-71	24.0	68.0	5106
17N/03E-16N01M	85.0	10-06-70	10.5	74.5	5106
		3-05-71	14.3	70.7	5106
17N/04E-05C01M	95.0	10-05-70	42.3	52.7	5106
		3-04-71	27.2	67.8	5106
17N/04E-08A01M	96.0	10-05-70	23.6	72.4	5106
		3-04-71	14.8	81.2	5106
17N/04E-08L01M	92.0	10-05-70	25.5	66.5	5106
		3-04-71	17.5	74.5	5106
17N/04E-16E01M	106.0	10-05-70	27.6	78.4	5106
		3-04-71	24.3	81.7	5106
17N/04E 18C01M	96.0	10-05-70	(7)		5106
		3-04-71	(7)		5106
18N/01E-13A01M	77.0	10-06-70	5.0	72.0	5106
		3-05-71	5.5	71.5	5106
18N/01E-13M01M	77.0	10-06-70	7.9	69.1	5106
		3-05-71	7.8	69.2	5106
18N/01E-15D01M	70.0	10-06-70	3.2	66.8	5106
		3-05-71	3.5	66.5	5106
18N/01E-33N03M	64.0	10-06-70	8.1	55.9	5106
		3-05-71	7.5	56.5	5106
18N/02E-08D01M	86.0	10-06-70	7.6	78.4	5106
		3-05-71	7.9	78.1	5106
BUTTE COUNTY 5-21.03 (Continued)					
18N/02E-11D01M	90.0	10-06-70	4.1	85.9	5106
		3-05-71	4.4	85.6	5106
18N/02E-16F01M	80.0	10-06-70	6.4	73.6	5106
		3-05-71	7.3	72.7	5106
18N/02E-20P01M	76.0	10-06-70	5.6	70.4	5106
		3-05-71	6.4	69.6	5106
18N/02E-25M01M	87.0	10-06-70	6.5	80.5	5106
		3-05-71	7.4	79.6	5106
18N/02E-32Q02M	75.0	10-06-70	5.6	69.4	5106
		3-05-71	7.4	67.6	5106
18N/02E-35P01M	84.0	10-06-70	3.9	80.1	5106
		3-05-71	5.2	78.8	5106
18N/03E-05K01M	110.4	10-05-70	13.8	96.6	5106
		3-04-71	8.0	102.4	5106
18N/03E-06M01M	107.0	10-22-70	11.8	95.2	5050
		11-24-70	12.1	94.9	5050
		12-22-70	10.2	96.8	5050
		1-21-71	8.7	98.3	5050
		2-23-71	10.2	96.8	5050
		3-25-71	10.4	96.6	5050
		4-23-71	10.0	97.0	5050
		5-26-71	11.0	96.0	5050
		6-24-71	10.0	97.0	5050
		7-27-71	10.2	96.8	5050
		8-27-71	11.8	95.2	5050
		9-29-71	11.4	95.6	5050
18N/03E-11G01M	124.0	10-22-70	32.6	91.4	5050
		11-24-70	32.4	91.6	5050
		12-23-70	29.3	94.9	5050
		1-21-71	27.4	96.6	5050
		2-24-71	27.8	96.2	5050
		3-25-71	27.6	96.4	5050
		4-23-71	27.5	96.5	5050
		5-26-71	31.8	92.2	5050
		6-25-71	31.8	92.2	5050
		7-28-71	32.8	91.2	5050
		8-27-71	35.5	88.5	5050
		9-29-71	33.6	90.4	5050
18N/03E-14H01M	120.0	10-05-70	39.0	81.0	5106
		3-04-71	26.0	94.0	5106
18N/03E-18F01M	97.5	10-05-70	8.5	89.0	5106
		3-04-71	6.8	90.7	5106
18N/03E-19Q01M	95.5	10-05-70	9.7	85.8	5106
		3-04-71	8.9	86.6	5106
18N/03E-21G01M	104.0	10-05-70	20.4	83.6	5106
		3-04-71	18.9	85.1	5106
18N/03E-24A01M	115.0	10-05-70	13.0	102.0	5106
		3-04-71	20.7	94.3	5106
18N/04E-07A01M	153.0	10-05-70	3.4	149.6	5106
		3-04-71	DRY		5106
18N/04E-08M01M	145.0	10-05-70	(1)		5106
		3-04-71	35.0	110.0	5106
18N/04E-16C01M	201.0	10-05-70	78.6	122.4	5106
		3-04-71	77.6	123.4	5106
18N/04E-28L01M	135.0	10-05-70	(1)		5106
		3-04-71	40.7	94.3	5106
18N/04E-30D01M	107.0	10-05-70	18.3	88.7	5106
		3-04-71	13.3	93.7	5106
18N/04E-32J01M	111.0	10-05-70	48.5	62.5	5106
		3-04-71	27.1	83.9	5106
19N/01E-15E01M	92.0	10-07-70	8.4	83.6	5106
		3-08-71	8.4	83.6	5106

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
BUTTE COUNTY 5-21.03 (Continued)					
19N/01E-28R01M	80.0	10-22-70	5.9	74.1	5050
		11-24-70	6.1	73.9	5050
		12-23-70	4.1	75.9	5050
		1-22-71	4.5	75.5	5050
		2-24-71	5.7	74.3	5050
		3-25-71	5.9	74.1	5050
		4-23-71	6.1	73.9	5050
		5-26-71	4.3	75.7	5050
		6-24-71	4.5	75.5	5050
		7-28-71	3.8	76.2	5050
		8-27-71	3.6	76.4	5050
		9-29-71	4.6	75.4	5050
19N/02E-01A01M	125.0	10-06-70	15.2	109.8	5106
		3-05-71	8.4	116.6	5106
19N/02E-07K01M	98.0	10-07-70	4.4	93.6	5106
		3-08-71	3.3	94.7	5106
19N/02E-17A01M	102.0	10-07-70	3.4	98.6	5106
		3-08-71	3.8	98.2	5106
19N/02E-34J01M	96.0	10-06-70	4.9	91.1	5106
		3-05-71	4.8	91.2	5106
19N/03E-14B01M	201.5	10-05-70	88.8	112.7	5106
		3-04-71	88.3	113.2	5106
19N/03E-16P01M	170.0	10-05-70	63.5	106.5	5106
		3-04-71	62.9	107.1	5106
19N/03E-22A01M	183.0	10-05-70	59.0	124.0	5106
		3-04-71	52.5	130.5	5106
19N/03E-36A01M	145.0	10-05-70	28.5	116.5	5106
		3-04-71	23.8	121.2	5106
19N/04E-06E01M	275.0	10-05-70	87.7	187.3	5106
		3-04-71	85.9	189.1	5106
19N/04E-20D01M	193.0	10-05-70	54.5	138.5	5106
		3-04-71	48.7	144.3	5106
19N/04E-28Q01M	248.0	10-05-70	21.7	226.3	5106
		3-04-71	17.5	230.5	5106
19N/04E-32P01M	187.0	10-05-70	56.5	130.5	5106
		3-04-71	50.7	136.3	5106
20N/01E-08C02M	114.6	10-07-70	7.9	106.7	5106
		3-08-71	6.0	108.6	5106
20N/01E-11B02M	128.9	10-07-70	17.4	111.5	5106
		3-08-71	11.1	117.8	5106
20N/01E-24R01M	114.0	10-07-70	4.1	109.9	5106
		3-08-71	4.3	109.7	5106
20N/01E-27P01M	101.0	10-07-70	6.2	94.8	5106
		3-08-71	6.4	94.6	5106
20N/01E-35C01M	100.0	10-07-70	3.8	96.2	5106
		3-08-71	4.3	95.7	5106
20N/02E-06Q01M	135.3	10-07-70	15.1	120.2	5106
		3-08-71	10.2	125.1	5106
20N/02E-07H02M	129.4	10-07-70	8.7	120.7	5106
		3-08-71	6.0	123.4	5106
20N/02E-09L01M	137.0	10-07-70	11.7	125.3	5106
		3-08-71	8.5	128.5	5106
20N/02E-10J01M	147.0	10-07-70	21.9	125.1	5106
		3-08-71	15.8	131.2	5106
20N/02E-12J01M	172.0	10-06-70	48.8	123.2	5106
		3-05-71	45.2	126.8	5106
20N/02E-13M01M	160.0	10-06-70	31.4	128.6	5106
		3-08-71	31.8	128.2	5106
20N/02E-17P01M	122.5	10-07-70	5.4	117.1	5106
		3-08-71	2.7	119.8	5106
BUTTE COUNTY 5-21.03 (Continued)					
20N/02E-28N01M	118.0	10-22-70	5.6	112.4	5050
		11-24-70	5.0	113.0	5050
		12-23-70	3.1	114.9	5050
		1-22-71	3.4	114.6	5050
		2-23-71	5.2	112.8	5050
		3-25-71	5.2	112.8	5050
		4-23-71	5.3	112.7	5050
		5-26-71	5.2	112.8	5050
		6-25-71	5.2	112.8	5050
		7-28-71	4.7	113.3	5050
		8-27-71	5.0	113.0	5050
		9-29-71	4.9	113.1	5050
20N/03E-07H01M	190.0	10-06-70	49.8	140.2	5106
		3-05-71	45.3	144.7	5106
20N/03E-10B01M	270.0	10-06-70	4.0	266.0	5106
		3-05-71	3.7	266.3	5106
20N/03E-22A01M	265.0	10-06-70	3.8	261.2	5106
		3-05-71	3.1	261.9	5106
20N/03E-28N01M	150.0	10-21-70	35.2	114.8	5050
		11-24-70	35.0	115.0	5050
		12-23-70	34.6	115.4	5050
		1-22-71	34.2	115.8	5050
		2-24-71	32.9	117.1	5050
		3-25-71	32.8	117.2	5050
		4-23-71	31.2	118.8	5050
		5-26-71	31.0	119.0	5050
		6-25-71	30.9	119.1	5050
		7-28-71	31.8	118.2	5050
		8-27-71	32.7	117.3	5050
		9-29-71	33.6	116.4	5050
20N/03E-32D01M	141.0	10-06-70	39.8	101.2	5106
		3-05-71	28.0	113.0	5106
20N/03E-34A01M	226.0	10-06-70	9.2	216.8	5106
		3-05-71	4.0	222.0	5106
20N/01W-03D01M	114.0	10-07-70	(7)		5106
		3-08-71	18.1	95.9	5106
20N/01W-15A01M	107.0	10-07-70	14.1	92.9	5106
		3-08-71	12.0	95.0	5106
20N/01W-26H01M	105.2	10-07-70	9.8	95.4	5106
		3-08-71	(1)		5106
20N/01W-26H02M	105.6	10-07-70	8.6	97.0	5106
		3-08-71	9.0	96.6	5106
21N/01E-05G01M	149.0	10-22-70	19.8	129.2	5050
		11-24-70	17.5	131.5	5050
		12-23-70	16.8	132.2	5050
		1-22-71	14.6	134.4	5050
		2-24-71	14.0	135.0	5050
		3-25-71	14.0	135.0	5050
		4-23-71	14.0	135.0	5050
		5-26-71	17.0	132.0	5050
		6-25-71	16.8	132.2	5050
		7-28-71	(8)		5050
		8-27-71	25.4	123.6	5050
		9-29-71	23.8	125.2	5050
21N/01E-05M01M	141.0	10-07-70	17.8	123.2	5106
		3-09-71	11.0	130.0	5106
21N/01E-08A01M	152.1	10-07-70	21.5	130.6	5106
		3-09-71	17.2	134.9	5106
21N/01E-12K01M	187.0	10-08-70	25.9	161.1	5106
		3-09-71	48.3	138.7	5106
21N/01E-13K01M	177.0	10-07-70	43.2	133.8	5106
		3-08-71	46.8	130.2	5106
21N/01E-23C01M	160.5	10-07-70	34.5	126.0	5106
		3-09-71	35.8	124.7	5106
21N/01E-27D01M	141.0	10-07-70	26.1	114.9	5106
		3-08-71	24.1	116.9	5106

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
BUTTE COUNTY 5-21.03 (Continued)					
21N/01E-28M01M	135.0	10-22-70	21.9	113.1	5050
		11-24-70	20.7	114.3	5050
		12-23-70	19.2	115.8	5050
		1-22-71	16.6	118.4	5050
		2-24-71	15.4	119.6	5050
		3-25-71	16.0	119.0	5050
		4-23-71	16.3	118.7	5050
		5-26-71	21.0	114.0	5050
		6-25-71	25.4	109.6	5050
		7-28-71	(6)		5050
21N/01E-31L01M	115.0	10-22-70	8.1	106.9	5050
		11-24-70	7.6	107.4	5050
		12-23-70	3.9	111.1	5050
		1-22-71	2.7	112.3	5050
		2-24-71	4.5	110.5	5050
		3-25-71	4.6	110.4	5050
		4-23-71	5.4	109.6	5050
		5-26-71	6.8	108.2	5050
		6-25-71	8.5	106.5	5050
		7-28-71	9.1	105.9	5050
		8-27-71	8.5	106.5	5050
		9-29-71	8.3	106.7	5050
21N/01E-33A01M	135.0	10-07-70	25.2	109.8	5106
		3-08-71	19.9	115.1	5106
21N/02E-07C01M	203.0	10-08-70	67.4	135.6	5106
		3-09-71	71.0	132.0	5106
21N/02E-08E02M	205.0	10-08-70	5.6	199.4	5106
		3-09-71	8.5	196.5	5106
21N/02E-08E03M	205.0	10-08-70	43.0	162.0	5106
		3-09-71	43.3	161.7	5106
21N/02E-17G01M	185.0	10-08-70	50.0	135.0	5106
		3-09-71	(1)		5106
21N/02E-26E02M	177.0	10-24-70	26.7	150.3	5050
		11-23-70	25.9	151.1	5050
		12-22-70	20.0	157.0	5050
		1-22-71	18.1	158.9	5050
		2-24-71	18.9	158.1	5050
		3-25-71	19.6	157.4	5050
		4-23-71	19.6	157.4	5050
		5-26-71	20.4	156.6	5050
		6-25-71	21.0	156.0	5050
		7-28-71	23.8	153.2	5050
		8-27-71	27.0	150.0	5050
		9-29-71	28.5	148.5	5050
21N/02E-26F01M	181.0	10-08-70	53.8	127.2	5106
		3-09-71	41.6	139.4	5106
21N/02E-29E01M	155.5	10-07-70	15.8	139.7	5106
		3-08-71	13.2	142.3	5106
21N/02E-31K01M	146.0	10-07-70	22.6	123.4	5106
		3-08-71	18.0	128.0	5106
21N/03E-31F02M	208.0	10-08-70	50.8	157.2	5106
		3-09-71	52.5	155.5	5106
21N/01W-01E01M	130.0	10-07-70	16.9	113.1	5106
		3-09-71	16.0	114.0	5106
21N/01W-23J01M	117.0	10-07-70	11.8	105.2	5106
		3-08-71	8.7	108.3	5106
21N/01W-26K01M	115.3	10-07-70	17.8	97.5	5106
		3-08-71	13.5	101.8	5106
21N/01W-36A01M	115.0	10-07-70	3.9	111.1	5106
		3-08-71	4.1	110.9	5106
22N/01E-02R01M	218.0	10-08-70	66.5	151.5	5106
		3-10-71	60.9	157.1	5106
22N/01E-09J02M	178.0	10-08-70	30.2	147.8	5106
		3-09-71	22.5	155.5	5106
22N/01E-16K02M	178.0	10-08-70	40.7	137.3	5106
		3-09-71	28.3	149.7	5106
22N/01E-19K01M	151.0	10-08-70	19.0	132.0	5106
		3-09-71	13.6	137.4	5106
BUTTE COUNTY 5-21.03 (Continued)					
22N/01E-20K01M	165.5	10-22-70	28.8	136.7	5050
		11-24-70	27.8	137.7	5050
		12-23-70	26.2	139.3	5050
		1-22-71	24.5	141.0	5050
		2-24-71	23.0	142.5	5050
		3-25-71	22.3	143.2	5050
		4-23-71	21.8	143.7	5050
		5-26-71	27.7	137.8	5050
		6-25-71	31.0	134.5	5050
		7-28-71	33.5	132.0	5050
		8-27-71	33.5	132.0	5050
		9-29-71	31.7	133.8	5050
22N/01E-20L01M	159.0	10-07-70	26.8	132.2	5106
		3-09-71	20.4	138.6	5106
22N/01E-21E01M	155.0	10-07-70	21.8	133.2	5106
		3-09-71	15.0	140.0	5106
22N/01E-28J02M	176.0	10-22-70	21.5	154.5	5050
		11-24-70	20.4	155.6	5050
		12-23-70	18.7	157.3	5050
		1-22-71	17.1	158.9	5050
		2-24-71	16.1	159.9	5050
		3-25-71	16.1	159.9	5050
		4-23-71	16.0	160.0	5050
		5-26-71	17.8	158.2	5050
		6-25-71	19.5	156.5	5050
		7-28-71	21.2	154.8	5050
		8-27-71	22.6	153.4	5050
		9-29-71	22.7	153.3	5050
22N/01E-29R01M	164.7	10-07-70	23.8	140.9	5106
		3-09-71	19.1	145.6	5106
22N/01E-31J01M	147.0	10-07-70	16.2	130.8	5106
		3-09-71	14.0	133.0	5106
22N/02E-17E01M	281.0	10-08-70	(1)		5106
		3-09-71	65.8	215.2	5106
22N/01W-05M01M	149.9	10-09-70	20.6	129.3	5106
		3-10-71	15.6	134.3	5106
22N/01W-10C01M	147.3	10-08-70	13.3	134.0	5106
		3-09-71	6.3	141.0	5106
22N/01W-12A01M	157.0	10-08-70	11.5	145.5	5106
		3-09-71	12.5	144.5	5106
22N/01W-12J01M	153.0	10-08-70	(1)		5106
		3-09-71	9.2	143.8	5106
22N/01W-20A01M	145.0	10-08-70	18.7	126.3	5106
		3-09-71	18.4	126.6	5106
23N/01E-07D01M	262.0	10-09-70	71.7	190.3	5106
		3-10-71	46.6	215.4	5106
23N/01E-27J01M	297.0	10-08-70	136.2	160.8	5106
		3-10-71	130.3	166.7	5106
23N/01E-28F01M	215.0	10-08-70	59.0	156.0	5106
		3-10-71	56.7	158.3	5106
23N/01E-29H01M	216.0	10-08-70	35.8	180.2	5106
		3-10-71	7.1	208.9	5106
23N/01E-29K01M	209.2	10-08-70	9.4	199.8	5106
		3-10-71	6.2	203.0	5106
23N/01E-29P01M	203.0	10-22-70	35.8	167.2	5050
		11-24-70	35.7	167.3	5050
		12-23-70	33.8	169.2	5050
		1-22-71	31.2	171.8	5050
		2-24-71	30.2	172.8	5050
		3-25-71	34.4	168.6	5050
		4-23-71	31.2	171.8	5050
		5-26-71	35.2	167.8	5050
		6-25-71	31.7	171.3	5050
		7-28-71	40.2	168.2	5050
		8-27-71	(1) 49.8	153.2	5050
		9-29-71	38.2	164.8	5050
23N/01E-33Q01M	218.0	10-08-70	57.5	160.5	5106
		3-10-71	52.7	165.3	5106

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
BUTTE COUNTY 5-21.03 (Continued)					
23N/01W-09E01M	181.0	10-09-70	29.4	151.6	5106
		3-10-71	22.0	159.0	5106
23N/01W-14R01M	189.0	10-22-70	24.2	164.8	5050
		11-24-70	24.5	164.5	5050
		12-23-70	26.8	162.2	5050
		1-22-71	25.0	164.0	5050
		2-24-71	24.2	164.8	5050
		3-25-71	24.5	164.5	5050
		4-23-71	25.6	163.4	5050
		5-26-71	27.8	161.2	5050
		6-25-71	29.8	159.2	5050
		7-28-71	32.0	157.0	5050
		8-27-71	38.5	150.5	5050
		9-29-71	32.0	157.0	5050
23N/01W-18Q01M	164.9	10-09-70	18.4	146.5	5106
		3-10-71	13.4	151.5	5106
23N/01W-22C02M	170.0	10-09-70	20.8	149.2	5106
		3-10-71	9.8	160.2	5106
23N/01W-27K01M	162.4	10-09-70	12.5	149.9	5106
		3-10-71	8.6	153.8	5106
23N/01W-33A01M	153.0	10-09-70	15.2	137.8	5106
		3-10-71	8.0	145.0	5106
23N/01W-36P01M	162.0	10-09-70	18.9	143.1	5106
		3-10-71	13.2	148.8	5106
23N/02W-13A01M	166.8	10 09-70	17.5	149.3	5106
		3-10-71	13.3	153.5	5106
23N/02W-23K02M	160.9	10-09-70	17.7	143.2	5106
		3-10-71	14.5	146.4	5106
23N/02W-25C01M	155.0	10-09-70	21.5	133.5	5106
		3-10-71	16.6	138.4	5106
COLUSA COUNTY 5-21.04					
13N/01E-11A01M	31.8	10-29-70	7.3	24.5	5050
		3-02-71	4.5	27.3	5050
13N/01E-32Q01M	23.0	10-29-70	9.6	13.4	5050
		11-23-70	9.4	13.6	5050
		12-27-70	5.9	17.1	5050
		1-21-71	6.9	16.1	5050
		2-23-71	7.4	15.6	5050
		3-24-71	8.0	15.0	5050
		4-27-71	7.0	16.0	5050
		5-27-71	8.5	14.5	5050
		6-24-71	9.3	13.7	5050
		7-27-71	9.8	13.2	5050
		8-26-71	9.3	13.7	5050
		9-28-71	9.4	13.6	5050
13N/01W-05R01M	41.7	10-06-70	21.5	20.2	5001
		3-09-71	17.9	23.8	5001
13N/01W-08M01M	75.0	10-06-70	(1)		5001
		3-09-71	52.9	22.1	5001
13N/01W-08Q02M	56.0	10-06-70	49.2	6.8	5001
		3-09-71	30.9	25.1	5001
13N/01W-15N03M	43.0	10-06-70	37.0	6.0	5001
		3-09-71	23.0	20.0	5001
13N/01W-16N03M	56.0	10-06-70	50.1	5.9	5001
		3-09-71	36.4	19.6	5001
13N/01W-22P02M	58.0	10-06-70	53.5	4.5	5001
		3-09-71	42.5	15.5	5001
13N/01W-23F02M	40.0	10-06-70	41.4	-1.4	5001
		3-09-71	21.9	18.1	5001
13N/01W-28E02M	91.0	10-06-70	94.5	-3.5	5001
		3-09-71	72.9	18.1	5001
13N/01W-34P01M	75.3	10-05-70	59.5	15.8	5001
		3-08-71	58.8	16.5	5001
COLUSA COUNTY 5-21.04 (Continued)					
13N/01W-36N01M	48.0	10-05-70	51.0	-3.0	5001
		3-08-71	31.3	16.7	5001
13N/02W-04G01M	187.0	10-27-70	122.9	64.1	5050
		11-23-70	117.6	69.4	5050
		12-22-70	115.2	71.8	5050
		1-21-71	114.4	72.6	5050
		2-23-71	111.4	75.6	5050
		3-24-71	111.4	75.6	5050
		4-27-71	112.6	74.4	5050
		5-27-71	120.6	66.4	5050
		6-24-71	125.0	62.0	5050
		7-27-71	131.3	55.7	5050
		8-26-71	130.2	56.8	5050
		9-28-71	127.7	59.3	5050
13N/02W-04G03M	187.0	10-27-70	117.3	69.7	5050
		11-23-70	113.2	73.8	5050
		12-27-70	110.0	77.0	5050
		1-21-71	108.5	78.5	5050
		2-23-71	107.3	79.7	5050
		3-24-71	107.7	79.3	5050
		4-27-71	108.9	78.1	5050
		5-27-71	115.9	71.1	5050
		6-24-71	119.2	67.8	5050
		7-27-71	124.1	62.9	5050
		8-26-71	122.7	64.3	5050
		9-28-71	121.0	66.0	5050
13N/02W-05H03M	210.0	10-05-70	197.0	13.0	5001
		3-08-71	(1)		5001
13N/02W-11M01M	185.0	10-05-70	121.2	63.8	5001
		3-08-71	114.1	70.9	5001
13N/02W-12L01M	133.0	10-06-70	120.4	12.6	5001
		3-09-71	101.7	31.3	5001
13N/02W-13R01M	142.0	10-06-70	133.1	8.9	5001
		3-09-71	113.6	28.4	5001
13N/02W-21N01M	357.0	10-06-70	303.0	54.0	5001
		3-08-71	(7)		5001
13N/02W-22H01M	245.0	10-05-70	138.1	106.9	5001
		3-08-71	136.6	108.4	5001
13N/02W-25F01M	189.0	10-05-70	135.6	53.4	5001
		3-08-71	125.9	63.1	5001
14N/01E-33R01M	32.1	10-29-70	10.4	21.7	5050
		11-23-70	10.1	22.0	5050
		12-22-70	8.1	24.0	5050
		1-21-71	7.0	25.1	5050
		2-23-71	7.2	24.9	5050
		3-24-71	7.5	24.6	5050
		4-27-71	6.7	25.4	5050
		5-27-71	7.0	25.1	5050
		6-21-71	7.0	25.1	5050
		7-27-71	9.3	27.8	5050
		8-26-71	11.7	20.4	5050
		9-28-71	10.4	21.7	5050
14N/01E-34R01M	32.2	10-29-70	7.5	24.7	5050
		3-02-71	5.9	26.3	5050
14N/01W-03L02M	39.0	10-28-70	25.1	13.9	5050
		3-02-71	9.7	29.3	5050
14N/01W-04K03M	35.0	10-28-70	11.3	23.7	5050
		3-02-71	5.5	29.5	5050
14N/01W-12A01M	36.0	10-29-70	14.4	21.6	5050
		3-02-71	7.2	28.8	5050
14N/01W-32R01M	32.0	10-06-70	12.0	20.0	5001
		3-09-71	10.4	21.6	5001
14N/02W-04B01M	79.0	10-06-70	16.6	62.4	5001
		3-09-71	16.0	63.0	5001
14N/02W-13N01M	60.0	10-06-70	42.4	17.6	5001
		3-09-71	26.5	33.5	5001

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
COLUSA COUNTY 5-21.04 (Continued)					
14N/02W-16N02M	118.0	10-27-70	59.3	58.7	5050
		11-23-70	57.7	60.3	5050
		12-22-70	55.9	62.1	5050
		1-21-71	54.9	63.1	5050
		2-23-71	54.7	63.3	5050
		3-24-71	55.5	62.5	5050
		4-27-71	54.7	63.3	5050
		5-27-71	56.5	61.5	5050
		6-24-71	61.0	57.0	5050
		7-27-71	62.5	55.5	5050
		8-26-71	63.8	54.2	5050
		9-28-71	63.2	54.8	5050
14N/02W-23P01M	89.0	10-06-70	58.8	30.2	5001
		3-09-71	48.4	40.6	5001
14N/02W-29J01M	160.0	10-27-70	99.8	60.2	5050
		3-02-71	93.6	66.4	5050
14N/02W-31N02M	283.0	10-05-70	258.4	24.6	5001
		3-08-71 (6)	255.3	27.7	5001
14N/02W-34N01M	159.1	10-05-70	91.6	67.5	5001
		3-08-71	83.5	75.6	5001
14N/02W-36D01M	94.0	10-06-70	93.8	0.2	5001
		3-09-71	63.4	30.6	5001
14N/02W-36N02M	110.5	10-06-70	89.0	21.5	5001
		3-09-71	79.6	30.9	5001
14N/03W-01K01M	122.0	10-27-70	48.5	73.5	5050
		3-02-71	45.3	76.7	5050
14N/03W-11A01M	136.0	10-27-70	69.6	66.4	5050
		3-02-71	62.0	74.0	5050
14N/03W-11G01M	140.0	10-27-70	76.1	63.9	5050
		3-02-71	69.7	70.3	5050
14N/03W-11H01M	135.0	10-27-70	68.3	66.7	5050
		3-02-71	62.0	73.0	5050
14N/03W-12F02M	123.0	10-05-70	57.4	65.6	5001
		3-08-71	49.9	73.1	5001
14N/03W-14Q02M	171.0	10-27-70	156.7	14.3	5050
		3-02-71	133.7	37.3	5050
14N/03W-24C01M	170.0	10-05-70	110.4	59.6	5001
		3-08-71	105.8	64.2	5001
14N/03W-36B01M	275.0	10-05-70	(9)		5001
		3-08-71	112.0	163.0	5001
15N/02W-13H01M	39.0	10-28-70	4.9	34.1	5050
		3-02-71	3.2	35.8	5050
15N/02W-20A01M	63.1	10-28-70	1.9	61.2	5050
		3-02-71	1.9	61.2	5050
15N/03W-18J01M	118.5	10-06-70	7.9	110.6	5001
		3-08-71	7.9	110.6	5001
15N/03W-27G01M	111.4	10-05-70	9.4	102.0	5001
		3-08-71	16.6	94.8	5001
15N/03W-32B01M	150.0	10-05-70	29.8	120.2	5001
		3-08-71	30.6	119.4	5001
15N/03W-33N02M	164.0	10-27-70	61.4	102.6	5050
		11-23-70	58.8	105.2	5050
		12-22-70	57.3	106.7	5050
		1-21-71	56.2	107.8	5050
		2-23-71	55.4	108.6	5050
		3-24-71	59.8	104.2	5050
		4-27-71	55.2	108.8	5050
		5-27-71	60.9	103.1	5050
		6-24-71	67.4	96.6	5050
		7-27-71	85.7	78.3	5050
		8-26-71	84.8	79.2	5050
		9-28-71	63.0	101.0	5050
15N/04W-14J01M	155.7	10-06-70	15.3	140.4	5001
		3-08-71	13.3	142.4	5001
COLUSA COUNTY 5-21.04 (Continued)					
16N/01W-20F01M	59.0	10-28-70	22.7	36.3	5050
		3-03-71	14.4	44.6	5050
16N/02W-09R01M	50.0	10-28-70	10.9	39.1	5050
		3-03-71	6.7	43.3	5050
16N/02W-24N01M	56.0	10-28-70	17.5	38.5	5050
		3-03-71	12.6	43.4	5050
16N/02W-25B02M	53.0	10-28-70	15.0	38.0	5050
		11-23-70	14.7	38.3	5050
		12-22-70	11.1	41.9	5050
		1-21-71	10.2	42.8	5050
		2-23-71	10.2	42.8	5050
		3-24-71	11.0	42.0	5050
		4-27-71	13.0	40.0	5050
		5-27-71	14.4	38.6	5050
		6-24-71	16.7	36.3	5050
		7-27-71	17.3	35.7	5050
		8-26-71	17.8	35.2	5050
		9-28-71	16.0	37.0	5050
16N/02W-26L01M	47.0	10-28-70	6.5	40.5	5050
		3-03-71	4.0	43.0	5050
16N/03W-01A01M	62.8	10-28-70	3.8	59.0	5050
		3-03-71	5.5	57.3	5050
16N/03W-13E02M	63.0	10-28-70	4.8	58.2	5050
		3-03-71	2.6	60.4	5050
16N/03W-20P01M	91.0	10-27-70	6.6	84.4	5050
		11-23-70	7.0	84.0	5050
		12-22-70	5.5	85.5	5050
		1-21-71	5.9	85.1	5050
		2-23-71	7.2	83.8	5050
		3-24-71	7.0	84.0	5050
		4-27-71	3.0	88.0	5050
		5-27-71	2.7	88.3	5050
		6-24-71	2.8	88.2	5050
		7-27-71	2.4	88.6	5050
		8-26-71	2.0	89.0	5050
		9-28-71	6.0	85.0	5050
16N/03W-35N02M	73.0	10-27-70	11.8	61.2	5050
		3-02-71	8.0	65.0	5050
16N/04W-11A01M	139.5	10-27-70	14.5	125.0	5050
		3-02-71	16.3	123.2	5050
16N/04W-23E01M	148.0	10-27-70	6.3	141.7	5050
		3-02-71	1.5	146.5	5050
17N/01W-06R01M	70.0	10-29-70	19.2	50.8	5050
		3-03-71	13.9	56.1	5050
17N/02W-30F01M	60.0	10-28-70	6.6	53.4	5050
		3-03-71	7.4	52.6	5050
17N/02W-34R02M	60.0	10-28-70	16.5	43.5	5050
		3-03-71	12.3	47.7	5050
17N/03W-10C01M	94.2	10-27-70	6.6	87.6	5050
		3-02-71	7.1	87.1	5050
17N/03W-18H01M	125.0	10-27-70	12.2	112.8	5050
		3-02-71	9.0	116.0	5050
17N/03W-29B01M	115.0	10-27-70	8.1	106.9	5050
		3-02-71	10.9	104.1	5050
17N/03W-31N01M	121.5	10-27-70	5.4	116.1	5050
		3-02-71	6.8	114.7	5050
17N/03W-33N01M	101.0	10-27-70	6.3	94.7	5050
		3-10-71	9.0	92.0	5050
17N/04W-25G01M	127.0	10-27-70	14.5	112.5	5050
		3-02-71	13.4	113.6	5050
17N/04W-34G01M	175.0	10-27-70	11.3	163.7	5050
		3-02-71	8.4	166.6	5050
18N/01W-32P01M	76.0	10-29-70	19.6	56.4	5050
		3-03-71	14.1	61.9	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
COLUSA COUNTY 5-21.04 (Continued)					
18N/01W-35K01M	60.0	10-29-70	3.5	56.5	5050
		3-03-71	3.9	56.1	5050
18N/02W-19A01M	78.1	10-28-70	3.5	74.6	5050
		3-03-71	4.5	73.6	5050
18N/02W-36B01M	73.0	10-28-70	10.5	62.5	5050
		3-03-71	7.6	65.4	5050
SUTTER COUNTY 5-21.05					
10N/04E-02K01M	25.0	10-19-70	37.7	-12.7	5050
		10-21-70	37.6	-12.6	5102
		3-17-71	32.7	-7.7	5050
		3-22-71	30.9	-5.9	5102
10N/04E-12A01M	43.1	10-21-70	65.6	-22.5	5102
		3-22-71	59.4	-16.3	5102
11N/03E-01D01M	25.6	10-20-70	8.8	16.8	5102
		3-22-71	5.9	19.7	5102
11N/03E-03C02M	26.4	10-20-70	10.4	16.0	5102
		3-22-71	6.0	20.4	5102
11N/03E-08N01M	18.0	10-20-70	(4)		5050
		3-18-71	3.5	14.5	5050
11N/03E-10N01M	28.5	10-20-70	14.7	13.8	5102
		3-22-71	7.0	21.5	5102
11N/03E-15C01M	28.7	10-20-70	14.3	14.4	5102
		3-22-71	6.2	22.5	5102
11N/03E-20H03M	27.0	10-15-70	10.6	16.4	5102
		3-24-71	5.7	21.3	5102
11N/03E-22H01M	27.0	10-20-70	17.1	9.9	5102
		3-22-71	(4)		5102
11N/04E-01M02M	45.5	10-19-70	34.7	10.8	5050
		3-17-71	29.3	16.2	5050
11N/04E-01M03M	46.3	10-21-70	35.1	11.2	5102
		3-22-71	30.8	15.5	5102
11N/04E-03P02M	35.0	10-21-70	34.1	0.9	5102
		3-22-71	23.1	11.9	5102
11N/04E-05B02M	26.8	10-21-70	6.9	19.9	5401
		3-20-71	5.1	21.7	5401
11N/04E-06B01M	23.9	10-20-70	6.7	17.2	5102
		10-20-70	6.6	17.3	5050
		3-17-71	3.7	20.2	5050
		3-22-71	4.2	19.7	5102
11N/04E-09D02M	28.0	10-20-70	14.5	13.5	5050
		3-17-71	10.9	17.1	5050
11N/04E-11C02M	41.9	10-21-70	32.3	9.6	5102
		3-22-71	28.0	13.9	5102
11N/04E-13D01M	47.4	10-21-70	(1)		5102
		3-22-71	49.4	-2.0	5102
11N/04E-13R01M	50.0	10-21-70	(2)		5401
		3-20-71	(2)		5401
11N/04E-15C01M	30.9	10-21-70	33.3	-2.4	5102
		3-22-71	22.1	8.8	5102
11N/04E-15Q01M	33.1	10-21-70	(4)		5401
		3-20-71	36.3	-3.2	5401
11N/04E-19E02M	29.0	10-21-70	12.7	16.3	5102
		3-22-71	10.8	18.2	5102
11N/04E-23J01M	41.0	10-21-70	69.3	-28.3	5102
		3-22-71	62.6	-21.6	5102
11N/04E-24R01M	47.0	10-21-70	75.4	-28.4	5401
		3-20-71	66.4	-19.4	5401
11N/04E-33J01M	25.6	10-21-70	22.0	3.6	5102
		3-22-71	15.5	10.1	5102
SUTTER COUNTY 5-21.05 (Continued)					
11N/04E-34N01M	25.0	10-19-70	20.3	4.7	5050
		3-17-71	18.3	6.7	5050
11N/04E-35J01M	39.0	10-21-70	69.8	-30.8	5102
		3-22-71	59.4	-20.4	5102
12N/01E-01A01M	26.9	10-15-70	5.8	21.1	5102
		3-24-71	4.5	22.4	5102
12N/02E-11P02M	20.0	10-15-70	6.1	13.9	5102
		3-24-71	7.6	12.4	5102
12N/02E-20P01M	25.0	10-15-70	11.8	13.2	5102
		3-24-71	5.0	20.0	5102
12N/02E-23K01M	20.0	10-15-70	4.0	16.0	5102
		10-20-70	4.9	15.1	5050
		3-18-71	4.1	15.9	5050
		3-24-71	4.1	15.9	5102
12N/03E-12C01M	29.5	10-15-70	9.8	19.7	5102
		3-24-71	8.5	21.0	5102
12N/03E-23N01M	30.0	10-20-70	(1)		5102
		3-22-71	7.2	22.8	5102
12N/03E-24A01M	24.5	10-20-70	13.3	11.2	5102
		3-22-71	5.0	19.5	5102
12N/03E-24Q01M	30.0	10-20-70	12.3	17.7	5102
		3-22-71	(3)		5102
12N/03E-30H01M	18.8	10-15-70	4.6	14.2	5102
		3-24-71	(9)		5102
12N/04E-02B01M	56.0	10-20-70	13.4	42.6	5401
		3-20-71	11.4	44.6	5401
12N/04E-03R01M	52.0	10-20-70	16.7	35.3	5102
		3-22-71	14.3	37.7	5102
12N/04E-05R04M	41.0	10-20-70	20.0	21.0	5401
		3-20-71	16.3	24.7	5401
12N/04E-08D03M	34.0	10-20-70	29.0	5.0	5401
		3-20-71	9.4	24.6	5401
12N/04E-10D02M	48.0	10-17-70	12.1	35.9	5401
		3-20-71	10.0	38.0	5401
12N/04E-13C01M	50.7	10-20-70	14.7	36.0	5102
		3-22-71	13.5	37.2	5102
12N/04E-14P01M	41.0	10-20-70	6.2	34.8	5102
		3-22-71	4.3	36.7	5102
12N/04E-15M01M	41.0	10-17-70	8.8	32.2	5401
		3-20-71	5.1	35.9	5401
12N/04E-16A04M	40.0	10-17-70	11.3	28.7	5401
		3-20-71	9.0	31.0	5401
12N/04E-17D01M	32.0	10-20-70	13.3	18.7	5401
		3-20-71	11.4	20.6	5401
12N/04E-17J01M	32.0	10-19-70	10.2	21.8	5050
		10-20-70	11.0	21.0	5102
		3-17-71	6.7	25.3	5050
		3-22-71	6.6	25.4	5102
12N/04E-18D01M	31.4	10-20-70	18.1	13.3	5102
		3-22-71	8.4	23.0	5102
12N/04E-20C01M	32.0	10-20-70	12.6	19.4	5401
		3-20-71	(9)		5401
12N/04E-20P01M	29.0	10-20-70	11.2	17.8	5401
		3-20-71	6.3	22.7	5401
12N/04E-24M02M	52.0	10-17-70	16.0	36.0	5401
		3-10-71	14.6	37.4	5401
12N/04E-28H01M	36.0	10-20-70	6.2	29.8	5102
		3-22-71	5.3	30.7	5102
12N/04E-33L01M	31.0	10-21-70	13.3	17.7	5102
		3-22-71	5.6	25.4	5102

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SUTTER COUNTY 5-21.05 (Continued)					
12N/04E-34H01M	38.0	10-17-70	12.7	25.3	5401
		3-20-71	6.7	31.3	5401
12N/04E-35H01M	48.4	10-30-70	27.4	21.0	5050
		11-30-70	26.8	21.6	5050
		12-30-70	24.8	23.6	5050
		1-28-71	24.2	24.2	5050
		2-28-71	24.2	24.2	5050
		3-31-71	24.5	23.9	5050
12N/04E-35H02M	48.4	10-21-70	28.0	20.4	5102
		3-22-71	23.3	25.1	5102
12N/04E-36Q01M	48.0	10-21-70	32.8	15.2	5102
		3-25-71	31.2	16.8	5102
13N/01E-01J01M	39.0	10-15-70	11.1	27.9	5102
		3-24-71	1.3	37.7	5102
13N/01E-12J02M	38.0	10-15-70	15.7	22.3	5102
		3-24-71	11.6	26.4	5102
13N/01E-23B01M	35.6	10-15-70	14.0	21.6	5102
		3-24-71	9.8	25.8	5102
13N/02E-23B02M	26.0	10-20-70	5.7	20.3	5050
		3-18-71	5.2	20.8	5050
13N/02E-34M01M	21.0	10-15-70	7.8	13.2	5102
		10-20-70	7.6	13.4	5050
		3-18-71	8.2	12.8	5050
		3-24-71	6.8	14.2	5102
13N/03E-02H01M	42.9	10-15-70	13.8	29.1	5102
		3-24-71	15.6	27.3	5102
13N/03E-04J01M	38.0	10-23-70	(1)		5102
		3-25-71	8.8	29.2	5102
13N/03E-06K01M	33.7	10-10-70	(4)		5102
		3-25-71	7.5	26.2	5102
13N/03E-08M02M	33.0	10 23-70	4.9	28.1	5102
		3-25-71	5.0	28.0	5102
13N/03E-13D01M	38.8	10-15-70	(9)		5102
		3-24-71	8.6	30.2	5102
13N/03E-14C02M	36.0	10-15-70	9.3	26.7	5102
		3-24-71	6.3	29.7	5102
13N/03E-16A01M	34.6	10-23-70	8.4	26.2	5102
		3-25-71	5.7	28.9	5102
13N/03E-23K01M	35.0	10-15-70	8.8	26.2	5102
		10-20-70	8.5	26.5	5050
		3-18-71	6.8	28.2	5050
		3-24-71	7.5	27.5	5102
13N/03E-24D01M	36.2	10-15-70	10.4	25.8	5102
		3-24-71	5.9	30.3	5102
13N/03E-32N01M	23.0	10-20-70	4.8	18.2	5050
		3-18-71	4.9	18.1	5050
13N/03E-35K02M	33.0	10-15-70	8.7	24.3	5102
		3-24-71	7.3	25.7	5102
13N/04E-13D01M	62.0	10-16-70	21.5	40.5	5401
		3-16-71	18.2	43.8	5401
13N/04E-13R01M	69.1	10-16-70	27.7	41.4	5102
		3-16-71	25.7	43.4	5102
13N/04E-16N01M	43.4	10-20-70	20.4	23.0	5102
		3-22-71	12.0	31.4	5102
13N/04E-22D01M	50.0	10-20-70	24.0	26.0	5401
		3-20-71	17.7	32.3	5401
13N/04E-22G01M	54.5	10-20-70	29.8	24.7	5102
		3-22-71	22.3	32.2	5102
13N/04E-23A02M	57.0	10-20-70	18.8	38.2	5401
		3-20-71	16.0	41.0	5401
SUTTER COUNTY 5-21.05 (Continued)					
13N/04E-26R01M	59.0	10-20-70	30.5	28.5	5102
		3-22-71	24.0	35.0	5102
13N/04E-28R01M	48.0	10-20-70	29.9	18.1	5401
		3-20-71	20.5	27.5	5401
13N/04E-29A02M	40.0	10-20-70	17.7	22.3	5401
		3-20-71	9.8	30.2	5401
13N/04E-29F01M	39.0	10-20-70	18.9	20.1	5102
		3-22-71	10.5	28.5	5102
13N/04E-31R01M	35.0	10-20-70	(5)		5401
		3-20-71	(5)		5401
13N/04E-32G01M	45.0	10-20-70	20.4	24.6	5401
		3-20-71	15.3	29.7	5401
13N/04E-36E01M	60.0	10-19-70	28.2	31.8	5050
		10-20-70	(8)		5102
		3-16-71	22.6	37.4	5050
		3-22-71	22.0	38.0	5102
13N/05E-08E01M	78.0	10-16-70	40.0	38.0	5102
		3-16-71	33.9	44.1	5102
13N/05E-09R01M	83.5	10-16-70	25.0	58.5	5102
		3-16-71	21.2	62.3	5102
13N/05E-17G01M	74.0	10-20-70	(3)		5401
		3-20-71	16.4	57.6	5401
13N/05E-17R01M	70.0	10-16-70	22.8	47.2	5102
		3-16-71	20.2	49.8	5102
13N/05E-18C01M	69.6	3-20-71	20.5	49.1	5401
13N/05E-21R03M	80.0	10-20-70	21.2	58.8	5401
		3-20-71	20.0	60.0	5401
13N/05E-28N01M	80.2	10-20-70	44.2	36.0	5102
		3-22-71	23.2	57.0	5102
13N/05E-30A01M	70.5	10-20-70	25.9	44.6	5102
		3-22-71	23.4	47.1	5102
13N/05E-31K01M	68.0	10-20-70	19.4	48.6	5401
		3-21-71	18.9	49.1	5401
14N/01E-02B01M	36.7	10-14-70	6.6	30.1	5102
		3-24-71	4.9	31.8	5102
14N/01E-08A06M	39.0	10-14-70	(4)		5102
		3-24-71	4.8	34.2	5102
14N/01E-14G01M	37.0	10-14-70	5.3	31.7	5102
		10-20-70	6.2	30.8	5050
		3-18-71	3.1	33.9	5050
		3-24-71	5.1	31.9	5102
14N/01E-24Q01M	37.0	10-14-70	7.1	29.9	5102
		3-24-71	8.9	28.1	5102
14N/02E-14B01M	38.0	10-23-70	4.4	33.6	5102
		3-23-71	6.5	31.5	5102
14N/02E-17A02M	34.0	10-14-70	9.1	24.9	5102
		3-24-71	6.3	27.7	5102
14N/02E-26R01M	33.0	10-23-70	4.8	28.2	5102
		3-25-71	6.5	26.5	5102
14N/02E-31K01M	31.0	10-15-70	9.5	21.5	5102
		3-24-71	5.1	25.9	5102
14N/03E-05C01M	49.1	10-23-70	29.4	19.7	5102
		3-23-71	23.3	25.8	5102
14N/03E-10P03M	48.0	10-23-70	31.0	17.0	5102
		3-25-71	26.9	21.1	5102
14N/03E-14E02M	47.0	10-23-70	25.9	21.1	5102
		3-23-71	15.8	31.2	5102
14N/03E-17A03M	46.0	10-20-70	29.4	16.6	5050
		3-18-71	27.1	18.9	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SUTTER COUNTY 5-21.05 (Continued)					
14N/03E-18D01M	41.0	10-23-70	7.6	33.4	5102
		3-23-71	5.2	35.8	5102
14N/03E-22B02M	46.6	10-23-70	20.7	25.9	5102
		3-23-71	18.0	28.6	5102
14N/03E-31B01M	38.0	10-23-70	9.3	28.7	5102
		3-25-71	6.1	31.9	5102
14N/03E-33C01M	38.6	10-20-70	10.3	28.3	5050
		3-18-71	9.1	29.5	5050
15N/01E-12A01M	98.0	3-23-71	(9)		5102
15N/01E-13A01M	56.0	10-14-70	24.3	31.7	5102
		3-23-71	18.8	37.2	5102
15N/01E-14F01M	51.0	10-14-70	18.8	32.2	5102
		3-24-71	12.0	39.0	5102
15N/01E-16R01M	40.5	10-14-70	8.4	32.1	5102
		10-20-70	8.3	32.2	5050
		3-18-71	5.7	34.8	5050
		3-24-71	5.6	34.9	5102
15N/02E-10D02M	71.0	10-14-70	29.9	41.1	5102
		3-23-71	24.0	47.0	5102
15N/02E-22D01M	46.0	10-20-70	8.6	37.4	5050
		3-18-71	8.8	37.2	5050
15N/02E-24B01M	51.0	10-17-70	12.3	38.7	5102
		3-23-71	11.2	39.8	5102
15N/02E-25A01M	48.0	10-17-70	(4)		5102
15N/02E-28D02M	40.0	3-23-71	7.0	33.0	5102
15N/02E-35D01M	42.5	10-17-70	7.5	35.0	5102
		3-23-71	6.5	36.0	5102
15N/02E-36A01M	44.5	10-23-70	10.2	34.3	5102
		3-23-71	8.0	36.5	5102
15N/03E-05D02M	59.6	10-14-70	18.2	41.4	5102
		3-25-71	8.6	51.0	5102
15N/03E-10G01M	61.0	10-14-70	27.0	34.0	5102
		3-26-71	(2)		5102
15N/03E-15H04M	59.0	10-14-70	24.8	34.2	5102
		3-26-71	22.2	36.8	5102
15N/03E-17B02M	55.0	10-17-70	26.5	28.5	5102
		3-23-71	21.6	33.4	5102
15N/03E-20R01M	52.7	10-17-70	27.9	24.8	5102
		3-23-71	22.6	30.1	5102
15N/03E-21H02M	51.0	10-15-70	26.7	24.3	5102
		10-20-70	27.2	23.8	5050
		3-17-71	23.7	27.3	5050
		3-23-71	23.5	27.5	5102
15N/03E-26M01M	51.2	10-15-70	25.4	25.8	5102
		3-25-71	17.7	33.5	5102
15N/03E-33N04M	48.0	10-23-70	29.8	18.2	5102
		3-23-71	25.1	22.9	5102
15N/03E-34L01M	52.0	10-15-70	30.5	21.5	5102
		3-25-71	26.2	25.8	5102
15N/01W-25A01M	50.0	10-14-70	(4)		5102
		3-24-71	6.9	43.1	5102
16N/01E-08C01M	58.0	10-14-70	15.6	42.4	5102
		3-24-71	8.4	49.6	5102
16N/01E-18K01M	78.0	10-14-70	38.9	39.1	5102
		3-24-71	(6)		5102
16N/01E-31H01M	71.0	10-14-70	34.3	36.7	5102
		3-24-71	26.6	44.4	5102
16N/02E-02Q01M	71.0	10-14-70	6.2	64.8	5102
		3-26-71	5.9	65.1	5102
SUTTER COUNTY 5-21.05 (Continued)					
16N/02E-26Q01M	67.0	10-14-70	14.8	52.2	5102
		3-26-71	12.8	54.2	5102
16N/03E-07D02M	73.0	10-14-70	10.7	62.3	5102
		3-26-71	8.2	64.8	5102
16N/03E-21D01M	69.5	10-14-70	9.8	59.7	5102
		3-26-71	8.2	61.3	5102
16N/03E-21D02M	70.0	10-20-70	10.5	59.5	5050
		3-17-71	10.5	59.5	5050
16N/03E-33J02M	65.4	10-14-70	24.2	41.2	5102
		3-26-71	19.6	45.8	5102
17N/01E-25J01M	75.5	10-14-70	40.1	35.4	5102
		3-24-71	24.6	50.9	5102
17N/01E-33G01M	68.0	10-14-70	20.3	47.7	5102
		3-24-71	17.1	50.9	5102
17N/02E-31A01M	86.0	10-14-70	44.3	41.7	5102
		3-26-71	30.3	55.7	5102
17N/02E-34A01M	74.6	10-14-70	6.1	68.5	5102
		10-20-70	4.4	70.2	5050
		3-17-71	4.6	70.0	5050
		3-26-71	5.7	68.9	5102
17N/03E-30N01M	77.8	10-14-70	10.8	67.0	5102
		3-26-71	7.8	70.0	5102
17N/03E-33P01M	77.0	10-14-70	12.9	64.1	5102
		3-26-71	9.7	67.3	5102
YUBA COUNTY 5-21.06					
13N/04E-01Q01M	62.0	10-17-70	50.3	11.7	5103
		3-15-71	36.2	25.8	5103
13N/04E-02C01M	65.0	10-17-70	68.7	-3.7	5103
		3-15-71	52.3	12.7	5103
13N/04E-04H01M	56.0	10-17-70	55.1	0.9	5103
		3-15-71	42.6	13.4	5103
13N/04E-07E01M	38.7	10-22-70	13.5	25.2	5103
		3-15-71	10.0	28.7	5103
13N/04E-09R01M	49.0	10-17-70	(1)		5103
		3-15-71	33.8	15.2	5103
13N/04E-17P01M	41.1	10-22-70	15.4	25.7	5103
		3-15-71	10.7	30.4	5103
13N/04E-20B02M	41.3	10-22-70	17.3	24.0	5050
		3-16-71	10.0	31.3	5050
13N/05E-04J01M	83.0	10-17-70	31.8	51.2	5103
		3-15-71	23.6	59.4	5103
13N/05E-06E01M	62.8	10-17-70	51.0	11.8	5103
		3-15-71	40.9	21.9	5103
13N/05E-08B01M	76.1	10-17-70	27.7	48.4	5103
		3-15-71	21.6	54.5	5103
14N/03E-12F01M	52.0	10-22-70	29.4	22.6	5103
		3-15-71	21.3	30.7	5103
14N/03E-24B01M	48.2	10-22-70	37.7	10.5	5103
		3-15-71	28.6	19.6	5103
14N/03E-25C02M	48.0	10-22-70	28.7	19.3	5103
		3-15-71	21.7	26.3	5103
14N/03E-36C02M	50.0	10-22-70	19.0	31.0	5103
		3-15-71	9.0	41.0	5103
14N/04E-05J02M	62.0	10-27-70	62.3	-0.3	5103
		3-17-71	(2)		5103
14N/04E-11H01M	71.5	10-19-70	(1)		5103
		3-16-71	87.3	-15.8	5103

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
YUBA COUNTY 5-21.06 (Continued)					
14N/04E-13C01M	73.1	10-19-70	98.5	-25.4	5103
		3-16-71	84.5	-11.4	5103
14N/04E-15C05M	64.0	10-19-70	(4)		5103
		10-20-70	70.3	-6.3	5050
		3-16-71	64.2	-0.2	5050
14N/04E-18C01M	51.5	10-22-70	58.8	-7.3	5103
		3-15-71	32.9	18.6	5103
14N/04E-20H01M	42.0	10-22-70	38.0	4.0	5103
		3-15-71	29.3	12.7	5103
14N/04E-23A01M	71.0	10-22-70	92.2	-21.2	5103
		3-24-71	80.8	-9.8	5103
14N/04E-24P01M	69.0	10-19-70	92.4	-23.4	5103
		3-24-71	90.6	-21.6	5103
14N/04E-28R01M	58.7	10-22-70	53.4	5.3	5103
		3-15-71	48.6	10.1	5103
14N/04E-30F01M	44.0	10-22-70	30.2	13.8	5103
		3-15-71	25.7	18.3	5103
14N/04E-30K01M	45.0	10-22-70	31.6	13.4	5103
		3-15-71	22.3	22.7	5103
14N/04E-30N01M	45.0	10-20-70	25.5	19.5	5050
		3-16-71	21.1	23.9	5050
14N/04E-32M01M	49.0	10-22-70	26.3	22.7	5103
		3-15-71	22.8	26.2	5103
14N/04E-35N01M	62.0	10-17-70	71.5	-9.5	5103
		3-15-71	57.4	4.6	5103
14N/04E-36G01M	68.8	10-17-70	76.8	-8.0	5103
		3-15-71	68.1	0.7	5103
14N/05E-05A01M	89.2	10-19-70	100.3	-11.1	5103
		3-17-71	95.5	-6.3	5103
14N/05E-06B01M	77.8	10-19-70	102.9	-25.1	5103
		3-17-71	88.3	-10.5	5103
14N/05E-08R01M	88.9	10-19-70	(1)		5103
		3-16-71	98.1	-9.2	5103
14N/05E-12N01M	121.0	10-19-70	11.3	109.7	5050
		3-16-71	6.8	114.2	5050
14N/05E-13C01M	121.0	10-19-70	27.7	93.3	5050
		3-16-71	24.2	96.8	5050
14N/05E-15C01M	106.0	10-19-70	116.1	-10.1	5050
		3-16-71	99.7	6.3	5050
14N/05E-16C02M	98.0	10-19-70	121.0	-23.0	5103
		3-16-71	97.8	0.2	5103
14N/05E-18A01M	86.2	10-19-70	(1)		5103
		3-16-71	100.1	-13.9	5103
14N/05E-20D02M	86.0	10-19-70	111.0	-25.0	5103
		3-16-71	94.4	-8.4	5103
14N/05E-21R02M	92.5	10-19-70	112.0	-19.5	5103
		3-16-71	91.2	1.3	5103
14N/05E-26F01M	125.0	10-19-70	96.7	28.3	5050
		3-17-71	93.2	31.8	5050
14N/05E-27L02M	92.0	10-19-70	69.0	23.0	5103
		3-16-71	76.0	16.0	5103
14N/05E-30Q01M	77.2	10-19-70	87.2	-10.0	5103
		10-30-70	82.5	-5.3	5050
		11-30-70	79.9	-2.7	5050
		12-30-70	77.5	-0.3	5050
		1-28-71	75.6	1.6	5050
		2-28-71	73.8	3.4	5050
		3-27-71	72.8	4.4	5103
		3-31-71	72.4	4.8	5050
		4-29-71	83.9	-6.7	5050
		5-30-71	83.5	-6.3	5050
YUBA COUNTY 5-21.06 (Continued)					
14N/05E-30Q01M (Continued)	77.2	6-30-71	91.9	-14.7	5050
		7-30-71	94.4	-17.2	5050
		8-30-71	96.5	-19.3	5050
		9-29-71	91.1	-13.9	5050
14N/05E-34G01M	108.0	10-19-70	77.6	30.4	5050
		3-17-71	71.5	36.5	5050
15N/03E-01D05M	66.0	10-20-70	21.6	44.4	5050
		3-17-71	15.4	50.6	5050
15N/03E-11C02M	60.0	10-27-70	22.7	37.3	5103
		3-17-71	13.5	46.5	5103
15N/03E-13F01M	56.0	10-21-70	20.2	35.8	5050
		3-17-71	15.7	40.3	5050
15N/03E-25J01M	57.0	10-19-70	19.7	37.3	5103
		3-16-71	19.7	37.3	5103
15N/04E-04R01M	85.4	10-19-70	36.7	48.7	5103
		3-17-71	32.7	52.7	5103
15N/04E-07H01M	69.0	10-22-70	17.1	51.9	5103
		3-17-71	15.9	53.1	5103
15N/04E-13A01M	89.0	10-19-70	65.1	23.9	5050
		3-17-71	52.5	36.5	5050
15N/04E-15A01M	78.5	10-19-70	38.9	39.6	5103
		3-17-71	29.9	48.6	5103
15N/04E-15R01M	81.0	10-19-70	44.8	36.2	5103
		3-17-71	46.8	34.2	5103
15N/04E-16P01M	76.3	10-19-70	39.7	36.6	5103
		3-17-71	37.1	39.2	5103
15N/04E-20E01M	71.0	10-19-70	31.0	40.0	5103
		3-17-71	29.5	41.5	5103
15N/04E-22P01M	72.0	10-19-70	61.2	10.8	5103
		3-17-71	(8)		5103
15N/04E-23A01M	83.0	10-19-70	(1)		5103
		3-17-71	60.6	22.4	5103
15N/04E-24A01M	86.3	10-19-70	(7)		5050
		3-17-71	86.6	-0.3	5050
15N/04E-24B01M	85.0	10-19-70	97.2	-12.2	5050
		3-17-71	83.1	1.9	5050
15N/04E-24H01M	80.0	10-19-70	(1)		5050
		3-17-71	89.0	-9.0	5050
15N/04E-24M01M	79.0	10-19-70	80.6	-1.6	5050
		3-17-71	73.8	5.2	5050
15N/04E-25L02M	78.0	10-19-70	96.2	-18.2	5103
		3-17-71	86.8	-8.8	5103
15N/04E-26C01M	75.0	10-19-70	83.1	-8.1	5103
		3-17-71	70.6	4.4	5103
15N/04E-27A01M	81.0	10-19-70	73.1	7.9	5103
		3-17-71	72.7	8.3	5103
15N/04E-27J01M	71.0	10-19-70	70.4	0.6	5050
		3-16-71	67.7	3.3	5050
15N/04E-28D01M	77.1	10-19-70	64.5	12.6	5103
		3-17-71	56.7	20.4	5103
15N/04E-32D01M	64.0	10-20-70	50.7	13.3	5050
		3-16-71	44.3	19.7	5050
		3-17-71	41.0	23.0	5103
15N/04E-33D01M	70.0	3-17-71	57.5	12.5	5103
15N/04E-34E01M	65.0	10-19-70	66.4	-1.4	5050
		3-16-71	59.6	5.4	5050
15N/04E-35P01M	68.0	10-19-70	(4)		5103
		3-16-71	74.7	-6.7	5103

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
YUBA COUNTY 5-21.06 (Continued)					
15N/05E-06R01M	105.0	10-19-70	25.9	79.1	5050
		3-17-71	21.0	84.0	5050
15N/05E-19N01M	80.0	10-19-70	101.8	-21.8	5050
		3-17-71	92.4	-12.4	5050
15N/05E-29C01M	91.0	10-19-70	99.8	-8.8	5050
		3-16-71	98.2	-7.2	5050
15N/05E-30B01M	88.0	10-19-70	102.3	-14.3	5050
		3-17-71	95.4	-7.4	5050
15N/05E-32G01M	90.0	10-19-70	(7)		5050
		3-16-71	101.1	-11.1	5050
15N/05E-33G01M	108.0	10-19-70	103.8	4.2	5050
		3-16-71	103.6	4.4	5050
16N/03E-01P02M	78.0	10-20-70	24.8	53.2	5050
		10-27-70	25.0	53.0	5103
		3-17-71	19.2	58.8	5050
		3-17-71	14.8	63.2	5103
16N/03E-14B02M	73.2	10-27-70	20.6	52.6	5103
		3-17-71	9.9	63.3	5103
16N/03E-24A01M	69.0	10-27-70	18.8	50.2	5103
		3-17-71	9.7	59.3	5103
16N/03E-26F01M	69.6	10-27-70	21.2	48.4	5103
		3-17-71	13.4	56.2	5103
16N/03E-36G01M	63.5	10-27-70	15.8	47.7	5103
		3-17-71	11.7	51.8	5103
16N/04E-08A01M	91.0	10-27-70	38.3	52.7	5103
		3-17-71	29.4	61.6	5103
16N/04E-16A01M	94.2	3-17-71	35.2	59.0	5103
16N/04E-17R01M	81.0	10-20-70	10.9	70.1	5050
		3-17-71	11.2	69.8	5050
16N/04E-27P02M	86.0	10-27-70	9.3	76.7	5103
		3-17-71	9.4	76.6	5103
16N/04E-28E01M	80.2	10-27-70	8.8	71.4	5103
		3-17-71	9.2	71.0	5103
16N/04E-33N01M	79.6	10-27-70	10.1	69.5	5103
		3-17-71	9.9	69.7	5103
16N/04E-34Q01M	94.6	10-27-70	16.5	78.1	5103
17N/03E-22R01M	85.5	10-27-70	27.5	58.0	5103
		3-17-71	(7)		5103
17N/03E-26A02M	86.6	10-27-70	26.9	59.7	5103
		3-17-71	15.6	71.0	5103
17N/03E-35H02M	82.0	10-27-70	27.2	54.8	5103
		3-17-71	23.0	59.0	5103
17N/04E-27F01M	106.0	10-27-70	54.6	51.4	5103
		3-17-71	42.4	63.6	5103
17N/04E-30R01M	89.0	10-27-70	31.7	57.3	5103
		3-17-71	(7)		5103
17N/04E-33Q01M	105.0	10-27-70	(1)		5103
		3-17-71	43.1	61.9	5103
17N/04E-35C01M	121.7	10-27-70	54.6	67.1	5103
		3-17-71	51.6	70.1	5103
PLACER COUNTY 5-21.07					
10N/05E-04Q01M	72.2	10-13-70	(9)		5107
		3-18-71	73.1	-0.9	5107
10N/05E-05E01M	55.0	10-13-70	81.1	-26.1	5107
		3-18-71	70.6	-15.6	5107
10N/05E-08L02M	51.5	10-13-70	64.3	-12.8	5107
		3-18-71	61.2	-9.7	5107
PLACER COUNTY 5-21.07 (Continued)					
10N/05E-10J03M	87.0	10-13-70	96.6	-9.6	5107
		3-18-71	84.9	2.1	5107
10N/05E-12D01M	105.0	10-13-70	DRY		5107
		3-18-71	95.5	9.5	5107
10N/06E-03M01M	136.0	10-13-70	(7)		5107
		3-16-71	110.0	26.0	5050
10N/06E-05H01M	141.0	10-13-70	121.5	19.5	5107
		10-29-70	119.2	21.8	5050
		11-24-70	117.9	23.1	5050
		12-28-70 (1)	117.8	23.2	5050
		1-26-71 (1)	117.7	23.3	5050
		2-24-71	116.1	24.9	5050
		3-18-71	125.4	15.6	5107
		3-30-71	117.2	23.8	5050
		4-28-71	116.7	24.3	5050
		5-26-71	117.7	23.3	5050
		6-29-71	119.9	21.1	5050
		7-29-71	122.1	18.9	5050
		8-31-71	122.9	18.1	5050
		9-30-71	121.3	19.7	5050
10N/06E-05L01M	134.0	10-13-70	117.9	16.1	5107
		3-18-71	113.8	20.2	5107
10N/06E-07L01M	94.0	10-13-70	78.6	15.4	5107
		3-18-71	65.5	28.5	5107
10N/06E-09D01M	142.0	10-13-70	(7)		5107
		3-18-71	106.2	35.8	5107
10N/06E-10C01M	146.4	10-13-70	126.5	19.9	5107
		3-15-71	122.2	24.2	5107
10N/06E-13C01M	188.7	10-13-70	159.7	29.0	5107
		3-18-71	158.8	29.9	5107
10N/06E-17A01M	140.0	10-13-70 (1)	123.8	16.2	5107
		3-18-71	113.4	26.6	5107
10N/07E-07E02M	160.5	10-13-70	122.2	38.3	5107
		3-18-71	108.4	52.1	5107
10N/07E-18J01M	195.0	10-21-70	153.0	42.0	5050
		3-16-71	151.6	43.4	5050
11N/05E-03M03M	89.3	10-13-70	78.4	10.9	5107
		10-28-70	77.1	12.2	5050
		11-24-70	76.1	13.2	5050
		12-28-70	75.1	14.2	5050
		1-26-71	74.5	14.8	5050
		2-24-71	73.7	15.6	5050
		3-16-71	73.7	15.6	5107
		3-30-71	73.0	16.3	5050
		4-28-71	74.1	15.2	5050
		5-26-71	(7)		5050
		6-29-71	80.5	8.8	5050
		7-29-71	81.9	7.4	5050
		8-31-71	82.6	6.7	5050
		9-29-71	76.8	12.5	5050
11N/05E-06H01M	59.0	10-13-70	45.6	13.4	5107
		3-16-71	41.6	17.4	5107
11N/05E-07H01M	63.0	10-13-70	60.6	2.4	5107
		3-16-71	73.7	-10.7	5107
11N/05E-15G01M	74.7	10-13-70	66.3	8.4	5107
		3-18-71	60.2	14.5	5107
11N/05E-16H01M	88.0	10-13-70	83.7	4.3	5107
		3-18-71	79.3	8.7	5107
11N/05E-17A04M	72.0	10-13-70	69.8	2.2	5107
		3-18-71	64.2	7.8	5107
11N/05E-18R01M	61.0	10-13-70	(1)		5401
		3-18-71	60.8	0.2	5401
11N/05E-20C01M	63.0	10-13-70	72.5	-9.5	5107
		3-18-71	66.4	-3.4	5107
11N/05E-24J01M	106.0	10-19-70	(4)		5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
PLACER COUNTY 5-21.07 (Continued)					
11N/05E-28C01M	70.0	10-13-70	74.0	-4.0	5107
		3-18-71	73.4	-3.4	5107
11N/05E-29G02M	64.0	10-13-70	77.7	-13.7	5107
		3-18-71	66.7	-2.7	5107
11N/05E-31D03M	52.0	10-13-70	DRY		5107
		3-18-71	38.8	13.2	5107
11N/05E-32R01M	70.0	10-13-70	(9)		5107
		10-29-70	81.4	-11.4	5050
		11-24-70	80.2	-10.2	5050
		12-28-70	79.6	-9.6	5050
		1-26-71	78.1	-8.1	5050
		2-24-71	77.3	-7.3	5050
		3-18-71	74.9	-4.9	5107
		3-30-71	76.6	-6.6	5050
		4-28-71	78.1	-8.1	5050
		5-26-71	78.8	-8.8	5050
		6-29-71	81.0	-11.0	5050
		7-29-71	81.5	-11.5	5050
		8-31-71	83.5	-13.5	5050
		9-29-71	82.6	-12.6	5050
11N/05E-34R03M	97.0	10-13-70	(9)		5107
		3-18-71	86.2	10.8	5107
11N/06E-06B01M	130.2	10-13-70	95.5	34.7	5107
		3-16-71	97.8	32.4	5107
11N/06E-10P01M	125.0	10-16-70	47.1	77.9	5107
		3-15-71	46.9	78.1	5107
11N/06E-11R01M	162.0	10-16-70	17.5	144.5	5107
		3-15-71	17.3	144.7	5107
11N/06E-15C04M	116.0	10-16-70	70.3	45.7	5107
		3-15-71	66.1	49.9	5107
11N/06E-16M02M	112.0	3-18-71	(7)		5107
11N/06E-18P05M	85.0	10-13-70	58.9	26.1	5107
		3-18-71	53.8	31.2	5107
11N/06E-28N01M	148.0	3-18-71	128.5	19.5	5107
11N/06E-30F02M	105.0	10-19-70	96.8	8.2	5050
		3-15-71	94.6	10.4	5050
11N/06E-32F03M	125.8	3-18-71	102.7	23.1	5107
11N/06E-34D01M	161.5	10-13-70	132.5	29.0	5107
		3-18-71	123.3	38.2	5107
12N/05E-01D02M	97.8	10-23-70	40.9	56.9	5107
		3-19-71	(4)		5107
12N/05E-01R01M	112.5	10-23-70	(8)		5107
		3-19-71	37.2	75.3	5107
12N/05E-04F01M	77.0	10-23-70	39.5	37.5	5107
		3-16-71	32.5	44.5	5107
12N/05E-06J03M	62.0	10-19-70	14.0	48.0	5050
		3-16-71	14.6	47.4	5050
12N/05E-06R01M	69.0	10-23-70	31.6	37.4	5107
		3-16-71	25.1	43.9	5107
12N/05E-07H01M	68.5	10-23-70	28.3	40.2	5107
		3-16-71	26.9	41.6	5107
12N/05E-12Q01M	106.0	10-23-70	59.2	46.8	5107
		10-28-70	57.1	48.9	5050
		11-24-70	54.4	51.6	5050
		12-28-70	52.4	53.6	5050
		1-26-71	51.1	54.9	5050
		2-24-71	49.9	56.1	5050
		3-19-71	49.5	56.5	5107
		3-30-71	48.7	57.3	5050
		4-28-71	58.9	47.1	5050
		5-26-71	53.2	52.8	5050
		6-29-71	64.4	41.6	5050
		7-29-71	68.4	37.6	5050
		8-30-71	67.9	38.1	5050
		9-30-71	57.6	48.4	5050
PLACER COUNTY 5-21.07 (Continued)					
12N/05E-14H01M	100.6	3-19-71	(8)		5107
12N/05E-14R01M	103.4	10-23-70	75.1	28.3	5107
		3-19-71	71.2	32.2	5107
12N/05E-15A01M	89.0	10-23-70	63.9	25.1	5107
		3-19-71	61.1	27.9	5107
12N/05E-17A02M	75.0	10-23-70	55.0	20.0	5107
		3-16-71	44.3	30.7	5107
12N/05E-17D01M	66.5	10-23-70	36.1	30.4	5107
		10-28-70	34.9	31.6	5050
		11-24-70	34.2	32.3	5050
		12-28-70	33.4	33.1	5050
		1-26-71	32.8	33.7	5050
		2-24-71	32.1	34.4	5050
		3-16-71	31.6	34.9	5107
		3-30-71	31.3	35.2	5050
		4-28-71	35.0	31.5	5050
		5-26-71	(1) 35.9	30.6	5050
		6-29-71	(1) 37.0	29.5	5050
		7-29-71	34.0	32.5	5050
		8-30-71	34.2	32.3	5050
		9-29-71	33.1	33.4	5050
12N/05E-18R01M	66.0	10-23-70	39.0	27.0	5107
		3-16-71	33.7	32.3	5107
12N/05E-26D01M	90.0	10-23-70	70.9	19.1	5107
		3-19-71	59.8	30.2	5107
12N/05E-26H02M	91.0	10-23-70	66.3	24.7	5107
		3-19-71	59.3	31.7	5107
12N/05E-28C01M	77.0	3-16-71	51.9	25.1	5050
12N/05E-29D01M	64.0	3-16-71	34.9	29.1	5107
12N/05E-31A01M	59.0	10-23-70	39.6	19.4	5401
		3-16-71	35.8	23.2	5401
12N/05E-33C01M	67.0	10-23-70	52.2	14.8	5107
		3-16-71	47.7	19.3	5107
12N/05E-35E02M	90.2	10-16-70	76.2	14.0	5107
		3-16-71	71.9	18.3	5107
12N/06E-06A01M	123.5	10-16-70	(1)		5107
		3-16-71	34.3	89.2	5107
12N/06E-07M01M	109.7	10-23-70	57.7	52.0	5107
		3-19-71	50.3	59.4	5107
12N/06E-11E01M	175.0	10-16-70	28.9	146.1	5107
		3-18-71	(1)		5107
12N/06E-14F01M	180.0	10-16-70	17.0	163.0	5107
		3-18-71	12.2	167.8	5107
12N/06E-16D01M	132.9	10-23-70	(5)		5107
		3-18-71	(5)		5107
12N/06E-18L01M	112.5	10-23-70	(9)		5107
		3-19-71	45.2	67.3	5107
12N/06E-19P01M	114.0	10-19-70	65.0	49.0	5050
		3-16-71	60.8	53.2	5050
12N/06E-20P03M	129.0	10-16-70	(1)		5107
		3-16-71	82.5	46.5	5107
12N/06E-27D01M	139.7	10-16-70	97.0	42.7	5107
		3-16-71	106.2	33.5	5107
12N/06E-27D02M	139.0	10-28-70	97.0	42.0	5050
		11-24-70	96.6	42.4	5050
		12-28-70	96.3	42.7	5050
		1-26-71	95.9	43.1	5050
		2-24-71	95.3	43.7	5050
		3-30-71	95.0	44.0	5050
		4-28-71	94.5	44.5	5050
		5-26-71	94.2	44.8	5050
		6-29-71	93.9	45.1	5050
		7-29-71	93.5	45.5	5050
		8-30-71	93.3	45.7	5050
		9-29-71	92.9	46.1	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
PLACER COUNTY 5-21.07 (Continued)					
12N/06E-28M01M	128.5	10-13-70	(1)		5107
		3-16-70	84.9	43.6	5107
12N/06E-30L01M	108.3	3-16-71	60.5	47.8	5050
12N/06E-32K01M	117.0	10-13-70	(1)		5107
		3-16-71	83.7	33.3	5107
13N/05E-01K01M	126.0	10-16-70	39.0	87.0	5107
		3-19-71	34.1	91.9	5107
13N/05E-03J01M	95.0	10-16-70	26.1	68.9	5107
		3-19-71	19.2	75.8	5107
13N/05E-10B01M	88.6	10-16-70	24.7	63.9	5107
		10-28-70	24.3	64.3	5050
		11-24-70	23.6	65.0	5050
		12-28-70	21.9	66.7	5050
		1-26-71	21.1	67.5	5050
		2-24-71	20.7	67.9	5050
		3-19-71	24.3	64.3	5107
		3-30-71	20.2	68.4	5050
		4-28-71	19.9	68.7	5050
		5-26-71	21.0	67.6	5050
		6-29-71	21.6	67.0	5050
		7-29-71	22.2	66.4	5050
		8-30-71	22.1	66.5	5050
		9-29-71	22.3	66.3	5050
13N/05E-22C03M	80.0	10-16-70	19.6	60.4	5107
		3-19-71	18.2	61.8	5107
13N/05E-24E02M	92.0	10-16-70	(1)		5107
		3-19-71	26.0	66.0	5107
13N/05E-24J01M	101.3	10-16-70	40.1	61.2	5107
		3-19-71	(8)		5107
13N/05E-34P01M	87.0	10-23-70	33.7	53.3	5107
		3-16-71	29.1	57.9	5107
13N/05E-34R03M	90.0	10-23-70	36.2	53.8	5107
		3-16-71	30.4	59.6	5107
13N/06E-06A01M	160.0	10-16-70	45.7	114.3	5107
		3-19-71	46.7	113.3	5107
13N/06E-09N02M	164.8	10-16-70	14.9	149.9	5107
		3-19-71	11.5	153.3	5107
13N/06E-19B01M	131.4	10-16-70	47.5	83.9	5107
		3-19-71	46.9	84.5	5107
13N/06E-30M01M	107.8	10-16-70	32.7	75.1	5107
		3-19-71	24.7	83.1	5107
13N/06E-33M01M	147.0	10-16-70	(1)		5107
13N/06E-33M02M	140.5	10-16-70	(1)		5107
SACRAMENTO COUNTY 5-21.08					
05N/05E-01D02M	25.0	10-15-70	59.8	-34.8	5001
		3-18-71	52.4	-27.4	5001
05N/05E-04C01M	13.0	10-28-70	57.0	-44.0	5050
		11-23-70	55.7	-42.7	5050
		12-28-70	53.5	-40.5	5050
		1-26-71	51.9	-38.9	5050
		2-24-71	50.7	-37.7	5050
		3-30-71	49.6	-36.6	5050
		4-28-71	54.1	-41.1	5050
		5-26-71	53.8	-40.8	5050
		6-29-71	57.4	-44.4	5050
		7-26-71	60.1	-47.1	5050
		8-30-71	61.1	-48.1	5050
		9-29-71	60.3	-47.3	5050
05N/05E-06B01M	7.5	10-16-70	31.6	-24.1	5050
		3-18-71	27.2	-19.7	5050
05N/05E-07G01M	8.0	10-15-70	15.0	-7.0	5001
		3-18-71	13.3	-5.3	5001
05N/05E-10Q01M	15.0	10-13-70	39.6	-24.6	4202
		3-15-71	33.4	-18.4	4202
SACRAMENTO COUNTY 5-21.08 (Continued)					
05N/05E-11B02M	21.8	10-15-70	(9)		5001
		3-18-71	39.9	-18.1	5001
05N/05E-11N01M	17.9	10-14-70	35.5	-17.6	5001
		3-17-71	28.0	-10.1	5001
05N/05E-12N02M	14.0	10-16-70	24.7	-10.7	5050
		3-18-71	14.4	-0.4	5050
05N/05E-12N03M	14.0	10-16-70	34.8	-20.8	5050
		3-18-71	22.5	-8.5	5050
05N/05E-17A01M	9.6	10-15-70	19.3	-9.7	5001
		3-18-71	18.9	-9.3	5001
05N/05E-22B01M	12.0	10-14-70	16.5	-4.5	5001
		3-18-71	16.6	-4.6	5001
05N/05E-25C01M	17.0	10-14-70	(9)		5001
		3-18-71	(0)		5001
05N/05E-35E01M	10.0	10-14-70	7.4	2.6	5001
		3-17-70	5.0	5.0	5001
05N/06E-02C01M	50.0	10-13-70	90.7	-40.7	4202
		3-15-71	69.6	-19.6	4202
05N/06E-02M02M	50.0	10-20-70	78.7	-28.7	5001
		4-05-71	76.1	-26.1	5001
05N/06E-04R02M	40.0	10-16-70	76.9	-36.9	5050
		3-18-71	61.5	-21.5	5050
05N/06E-07Q02M	27.0	10-16-70	DRY		5050
		3-18-71	32.2	-5.2	5050
05N/06E-08F01M	30.0	10-16-70	47.3	-17.3	5050
		3-18-71	43.7	-13.7	5050
05N/06E-09M02M	36.0	10-16-70	59.7	-23.7	5050
		3-18-71	57.4	-21.4	5050
05N/06E-10A01M	47.3	10-16-70	(1)		5050
		10-22-70	83.0	-35.7	5050
		3-18-71	75.0	-27.7	5050
05N/06E-10P01M	41.3	10-15-70	90.2	-48.9	5050
		3-15-71	79.7	-38.4	5050
05N/06E-12R01M	64.0	10-20-70	105.3	-41.3	5001
		4-05-71	88.6	-24.6	5001
05N/06E-13R01M	63.5	10-20-70	(7)		5001
		4-05-71	92.2	-28.7	5001
05N/06E-14D01M	52.0	10-13-70	93.6	-41.6	4202
		3-15-71	84.4	-32.4	4202
05N/06E-15C02M	45.0	10-16-70	DRY		5050
		3-18-71	81.3	-36.3	5050
05N/06E-15R02M	41.0	10-21-70	89.2	-48.2	5001
		3-19-71	79.7	-38.7	5001
05N/06E-17J01M	32.5	10-14-70	79.5	-47.0	5001
		3-17-71	74.7	-42.2	5001
05N/06E-19B01M	20.0	10-14-70	47.9	-27.9	5001
		3-17-71	36.3	-16.3	5001
05N/06E-21J03M	42.0	10-14-70	(3)		5001
		3-17-71	81.1	-39.1	5001
05N/06E-26D01M	51.3	10-15-70	89.5	-38.2	5050
		3-15-71	76.6	-25.3	5050
05N/06E-26H01M	55.0	10-21-70	96.0	-41.0	5001
		3-19-71	79.6	-24.6	5001
05N/06E-26K01M	50.0	10-28-70	79.2	-29.2	5050
		11-23-70	76.0	-26.0	5050
		12-28-70	73.8	-23.8	5050
		1-26-71	72.4	-22.4	5050
		2-24-71	71.0	-21.0	5050
		3-30-71	70.2	-20.2	5050
		4-28-71	78.5	-28.5	5050
		5-26-71	81.3	-31.3	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SACRAMENTO COUNTY 5-21.08 (Continued)					
05N/06E-26K01M (Continued)	50.0	6-29-71	85.2	-35.2	5050
		7-29-71	93.9	-43.9	5050
		8-30-71	92.0	-42.0	5050
		9-28-71	87.4	-37.4	5050
05N/06E-27C01M	46.0	10-13-70	93.2	-47.2	4202
		3-15-71	76.6	-30.6	4202
05N/06E-29C01M	28.0	10-13-70	71.3	-43.3	4202
		3-15-71	59.6	-31.6	4202
05N/06E-29H01M	32.6	10-14-70	81.9	-49.3	5001
		3-17-71	63.1	-30.5	5001
05N/06E-30E01M	24.0	10-13-70	66.1	-42.1	4202
		10-14-70	62.8	-38.8	5001
		3-15-71	41.7	-17.7	4202
		3-17-71	43.8	-19.8	5001
05N/06E-31E03M	20.0	10-14-70	36.7	-16.7	5001
		3-17-71	27.1	-7.1	5001
05N/06E-33H01M	38.5	10-14-70	79.8	-41.3	5001
		3-17-71	51.0	-12.5	5001
05N/06E-33J01M	41.0	10-13-70	72.3	-31.3	4202
		3-15-71	52.6	-11.6	4202
05N/06E-35M02M	53.0	10-14-70	55.8	-2.8	5001
		3-17-71	40.8	12.2	5001
05N/07E-06A01M	65.0	10-16-70	(1)		5050
		3-18-71	80.3	-15.3	5050
05N/07E-07E02M	60.0	10-20-70	103.9	-43.9	5001
		4-05-71	90.1	-30.1	5001
05N/07E-08Q01M	75.0	10-16-70	104.8	-29.8	5050
		3-18-71	92.0	-17.0	5050
05N/07E-09D01M	73.7	10-21-70	(3)		5001
		4-02-71	(3)		5001
05N/07E-12E02M	127.0	10-21-70	136.9	-9.9	5001
		3-19-71	132.1	-5.1	5001
05N/07E-14N01M	91.5	10-21-70	109.4	-17.9	5001
		4-05-71	96.6	-5.1	5001
05N/07E-20G01M	76.7	10-21-70	112.0	-35.3	5001
		4-05-71	99.8	-23.1	5001
05N/07E-23H01M	100.0	10-16-70	114.6	-14.6	5050
		3-18-71	101.4	-1.4	5050
05N/07E 26J01M	91.0	10-21-70	108.6	-17.6	5001
		3-19-71	92.4	-1.4	5001
05N/07E-28A01M	86.0	10-16-70	116.3	-30.3	5050
		3-11-71	(2) 95.8	-9.8	5050
		3-18-71	94.0	-8.0	5050
05N/07E-29K01M	71.0	10-21-70	92.7	-21.7	5001
		3-19-71	80.8	-9.8	5001
05N/07E-29K02M	71.0	10-21-70	97.6	-26.6	5001
		3-19-71	83.2	-12.2	5001
05N/07E-30A01M	73.0	10-15-70	103.2	-30.2	4202
		3-15-71	88.1	-15.1	4202
05N/08E-08N01M	173.0	10-21-70	155.3	17.7	5001
		3-19-71	150.5	22.5	5001
06N/04E-24A01M	10.0	10-16-70	33.0	-23.0	5050
		3-18-71	29.2	-19.2	5050
06N/05E-01C01M	39.3	10-28-70	100.4	-61.1	5050
		11-23-70	99.4	-60.1	5050
		12-28-70	98.3	-59.0	5050
		1-26-71	97.2	-57.9	5050
		2-24-71	96.9	-57.6	5050
		3-30-71	94.9	-55.6	5050
		4-28-71	95.9	-56.6	5050
		5-26-71	95.6	-56.3	5050
		6-29-71	97.5	-58.2	5050
		7-26-71	99.4	-60.1	5050
SACRAMENTO COUNTY 5-21.08 (Continued)					
06N/05E-01C01M (Continued)	39.3	8-30-71	101.4	-62.1	5050
		9-29-71	101.8	-62.5	5050
06N/05E-01D01M	40.6	10-15-70	86.6	-46.0	5050
		3-15-71	78.7	-38.1	5050
06N/05E-04N01M	19.5	10-15-70	78.9	-59.4	5001
		3-18-71	73.6	-54.1	5001
06N/05E-10B01M	34.5	10-15-70	116.7	-82.2	5001
		3-18-71	99.0	-64.5	5001
06N/05E-10G01M	36.0	10-15-70	108.2	-72.2	4202
		3-15-71	97.3	-61.3	4202
06N/05E-12E01M	39.0	10-15-70	114.3	-75.3	5001
		3-18-71	99.7	-60.7	5001
06N/05E-14J01M	32.5	10-15-70	102.7	-70.2	5001
		3-18-71	98.0	-65.5	5001
06N/05E-15B01M	26.4	10-15-70	102.8	-76.4	5001
		3-18-71	90.1	-63.7	5001
06N/05E-17F01M	16.0	10-15-70	64.5	-48.5	5001
		3-18-71	59.4	-43.4	5001
06N/05E-20A02M	16.3	10-15-70	(1)		5001
		3-18-71	71.8	-55.5	5001
06N/05E-22C02M	23.0	10-15-70	97.8	-74.8	5001
		3-18-71	86.8	-63.8	5001
06N/05E-25B01M	35.2	10-15-70	91.1	-55.9	5001
		3-18-71	74.8	-39.6	5001
06N/05E-28F01M	17.5	10-15-70	82.2	-64.7	5001
		3-18-71	69.9	-52.4	5001
06N/05E-31A01M	14.6	10-15-70	51.8	-37.2	5001
		3-18-71	37.0	-22.4	5001
06N/05E-32J01M	13.0	10-15-70	68.2	-55.2	5001
		3-18-71	50.3	-37.3	5001
06N/05E-34C02M	23.0	10-15-70	89.4	-66.4	5001
		3-18-71	78.4	-55.4	5001
06N/06E-01G01M	76.5	10-19-70	(1)		5001
		4-05-71	62.3	14.2	5001
06N/06E-05J02M	55.0	10-16-70	84.6	-29.6	5001
		4-01-71	75.4	-20.4	5001
06N/06E-07M01M	42.0	10-16-70	106.0	-64.0	5001
		3-18-71	98.7	-56.7	5001
06N/06E-08M01M	50.5	10-16-70	(4)		5001
		3-18-71	(0)		5001
06N/06E-11J03M	65.0	10-20-70	65.5	-0.5	5001
		3-18-71	61.3	3.7	5001
06N/06E-13R01M	62.0	10-20-70	76.3	-14.3	5001
		4-05-71	73.0	-11.0	5001
06N/06E-16E01M	50.5	10-16-70	60.4	-9.9	5001
		4-01-71	48.2	2.3	5001
06N/06E-18F01M	43.5	10-15-70	(1)		5001
		3-18-71	86.7	-43.2	5001
06N/06E-18G01M	44.9	10-15-70	80.7	-35.8	5050
		3-15-71	70.3	-25.4	5050
06N/06E-20P01M	39.0	10-20-70	49.8	-10.8	5001
		3-18-71	44.2	-5.2	5001
06N/06E-22C01M	50.0	10-16-70	50.9	-0.9	5050
		3-18-71	46.1	3.9	5050
06N/06E-23C01M	52.0	10-19-70	66.3	-14.3	4202
		10-20-70	66.9	-14.9	5001
		3-15-71	62.2	-10.2	4202
		4-05-71	63.7	-11.7	5001

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SACRAMENTO COUNTY 5-21.08 (Continued)					
06N/06E-24G01M	56.0	10-20-70	71.7	-15.7	5001
		4-05-71	65.0	-9.0	5001
06N/06E-25Q01M	60.0	10-20-70	82.3	-22.3	5001
		4-05-71	73.8	-13.8	5001
06N/06E-26D02M	47.0	10-16-70	54.7	-7.7	5050
		3-18-71	52.5	-5.5	5050
06N/06E-28C02M	40.0	10-16-70	50.1	-10.1	5050
		3-18-71	44.8	-4.8	5050
06N/06E-29K01M	33.0	10-16-70	43.9	-10.9	5050
		3-18-71	36.8	-3.8	5050
06N/06E-30N01M	32.0	10-23-70	(4)		5001
		3-18-71	(4)		5001
06N/06E-33J02M	45.8	10-28-70	60.2	-14.4	5050
		11-24-70	59.3	-13.5	5050
		12-28-70	58.4	-12.6	5050
		1-26-71	57.7	-11.9	5050
		2-24-71	57.1	-11.3	5050
		3-30-71	57.0	-11.2	5050
		4-28-71	59.1	-13.3	5050
		5-26-71	(1)		5050
		6-29-71 (4)	63.6	-17.8	5050
		7-29-71	62.9	-17.1	5050
		8-30-71	63.3	-17.5	5050
		9-29-71	63.5	-17.7	5050
06N/06E-33L01M	35.6	10-15-70	59.6	-24.0	5050
		3-15-71	47.1	-11.5	5050
06N/06E-33Q01M	35.7	10-20-70	57.1	-21.4	5001
		4-05-71	(6)		5001
06N/06E-34P01M	46.9	10-20-70	74.0	-27.1	5001
		4-05-71	67.0	-20.1	5001
06N/07E-04G01M	107.5	10-20-70	105.5	2.0	5001
		4-02-71	105.6	1.9	5001
06N/07E-06N01M	78.7	10-19-70	78.0	0.7	5001
		4-05-71	69.8	8.9	5001
06N/07E-08R01M	105.0	10-16-70	110.8	-5.8	5050
		3-18-71	105.3	-0.3	5050
06N/07E-11A02M	116.0	10-21-70	107.5	8.5	5001
		4-02-71	100.4	15.6	5001
06N/07E-14A01M	110.0	10-21-70	106.4	3.6	5001
		4-02-71	100.5	9.5	5001
06N/07E-15K01M	107.0	10-23-70	115.1	-8.1	5001
		4-05-71	(1)		5001
06N/07E-19A01M	71.0	10 16-70	(1)		5050
		3-18-71	76.1	-5.1	5050
06N/07E-20P03M	77.0	10-20-70	99.1	-22.1	5001
		4-02-71	89.0	-12.0	5001
06N/07E-25P02M	98.5	10-21-70	(9)		5001
		4-02-71	(1)		5001
06N/07E-28E01M	74.5	10-28-70	89.0	-14.5	5050
		11-24-70	86.9	-12.4	5050
		12-28-70	86.9	-12.4	5050
		1-26-71	83.8	-9.3	5050
		2-24-71	82.8	-8.3	5050
		3-30-71	82.0	-7.5	5050
		4-28-71	85.6	-11.1	5050
		5-26-71	88.8	-14.3	5050
		6-29-71	93.1	-18.6	5050
		7-29-71	95.3	-20.8	5050
		8-30-71	94.5	-20.0	5050
		9-29-71	95.8	-21.3	5050
06N/07E-32P01M	69.0	10-16-70	92.5	-23.5	5050
		3-18-71	80.9	-11.9	5050
06N/07E-34H01M	86.0	10-16-70	95.2	-9.2	5050
		3-18-71	90.0	-4.0	5050
SACRAMENTO COUNTY 5-21.08 (Continued)					
06N/08E-15J01M	214.0	10-20-70	127.5	86.5	5108
		5-26-71	128.6	85.4	5108
06N/08E-21P02M	155.0	10-16-70	DRY		5050
		3-18-71	132.9	22.1	5050
06N/08E-30B01M	134.3	10-16-70	125.1	9.2	5050
		3-18-71	120.9	13.4	5050
07N/04E-11K01M	17.3	10-07-70	10.1	7.2	5108
		3-17-71	9.2	8.1	5108
07N/05E-01H01M	45.0	10-28-70	86.6	-41.6	5050
		11-23-70	85.8	-40.8	5050
		12-28-70	85.2	-40.2	5050
		1-26-71	84.7	-39.7	5050
		2-24-71	84.2	-39.2	5050
		3-30-71	83.5	-38.5	5050
		4-28-71	83.4	-38.4	5050
		5-26-71	83.7	-38.7	5050
		6-29-71	84.6	-39.6	5050
		7-26-71	85.5	-40.5	5050
		8-30-71	86.7	-41.7	5050
		9-29-71	86.8	-41.8	5050
07N/05E-01J01M	44.0	10-14-70	89.8	-45.8	4202
		3-15-71	85.5	-41.5	4202
07N/05E-04Q01M	21.4	3-15-71	(4)		5050
07N/05E-10M01M	26.5	10-15-70	69.5	-43.0	5050
		3-15-71	67.0	-40.5	5050
07N/05E-12R02M	42.5	10-08-70	92.7	-50.2	5108
		3-18-71	88.3	-45.8	5108
07N/05E-15H01M	28.0	10-08-70	78.3	-50.3	5108
		3-18-71	78.0	-50.0	5108
07N/05E-18C01M	12.0	10-07-70	27.5	-15.5	5108
		3-17-71	(9)		5108
07N/05E-24H01M	39.0	10-15-70	94.0	-55.0	4202
		3-15-71	88.6	-49.6	4202
07N/05E-26C01M	28.6	10-15-70	69.3	-40.7	5050
		3-15-71	63.4	-34.8	5050
07N/05E-26P02M	30.0	10-08-70	93.8	-63.8	5108
		3-17-71	84.6	-54.6	5108
07N/05E-28E01M	22.5	10-08-70	(1)		5108
		3-17-71	67.3	-44.8	5108
07N/05E-28P01M	24.0	10-15-70	81.4	-57.4	5108
		3-15-71	73.8	-49.8	5108
07N/05E-29D02M	17.0	10-08-70	(1)		5108
		3-17-71	49.5	-32.5	5108
07N/05E-32K01M	19.5	10-28-70	63.4	-43.9	5050
		11-23-70	63.1	-43.6	5050
		12-28-70	62.7	-43.2	5050
		1-26-71	62.1	-42.6	5050
		2-24-71	61.6	-42.1	5050
		3-30-71	61.1	-41.6	5050
		4-28-71	61.1	-41.6	5050
		5-26-71	61.8	-42.3	5050
		6-29-71	62.1	-42.6	5050
		7-26-71	62.9	-43.4	5050
		8-30-71	63.8	-44.3	5050
		9-29-71	64.3	-44.8	5050
07N/05E-34L01M	29.0	10-08-70	105.3	-76.3	5108
		3-17-71	90.0	-61.0	5108
07N/05E-36A01M	38.5	10-08-70	(1)		5108
		3-17-71	89.3	-50.8	5108
07N/06E-01A01M	115.0	10-19-70	112.7	2.3	4202
		3-15-71	93.3	21.7	4202
07N/06E-08H01M	58.5	3-18-71	89.2	-30.7	5108
07N/06E-10M02M	85.0	10-16-70	104.8	-19.8	4202
		3-15-71	98.9	-13.9	4202

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SACRAMENTO COUNTY 5-21.08 (Continued)					
07N/06E-12A01M	115.0	10-16-70	108.5	6.5	5108
		3-26-71	103.5	11.5	5108
07N/06E-14Q01M	90.0	10-16-70	96.8	-6.8	5108
		3-18-71	90.3	-0.3	5108
07N/06E-15N01M	64.0	10-08-70	96.3	-32.3	5108
		3-18-71	84.8	-20.8	5108
07N/06E-20J01M	57.0	10-16-70	91.8	-34.8	5108
		3-18-71	93.5	-36.5	5108
07N/06E-22C02M	60.0	10-15-70	87.1	-27.1	4202
		3-15-71	79.1	-19.1	4202
07N/06E-22R02M	70.0	10-16-70	85.0	-15.0	5108
		3-18-71	77.0	-7.0	5108
07N/06E-23P01M	77.0	10-28-70	84.3	-7.3	5050
		11-24-70	82.8	-5.8	5050
		12-28-70	81.4	-4.4	5050
		1-26-71	80.5	-3.5	5050
		2-24-71	79.5	-2.5	5050
		3-30-71	78.5	-1.5	5050
		4-28-71	83.1	-6.1	5050
		5-26-71	84.1	-7.1	5050
		6-29-71	86.8	-9.8	5050
		7-29-71	89.2	-12.2	5050
		8-30-71	90.2	-13.2	5050
		9-29-71	91.1	-14.1	5050
07N/06E-25B01M	84.0	10-19-70	76.9	7.1	5001
		4-01-71	68.7	15.3	5001
07N/06E-28N01M	59.0	10-15-70	93.1	-34.1	4202
		3-15-71	85.0	-26.0	4202
07N/06E-32P01M	50.5	10-16-70	95.4	-44.9	5108
		3-18-71	87.5	-37.0	5108
07N/06E-33J01M	63.0	3-19-71	67.5	-4.5	5050
07N/06E-34H01M	70.6	10-20-70	(7)		5001
		4-01-71	44.5	26.1	5001
07N/06E-35Q01M	62.1	10-16-70	38.5	23.6	5001
		4-01-71	34.5	27.6	5001
07N/06E-35R01M	66.3	10-16-70	(9)		5001
		4-01-71	36.3	30.0	5001
07N/06E-36P02M	75.0	10-16-70	62.7	12.3	5001
		4-01-71	55.6	19.4	5001
07N/07E-02C01M	102.5	10-19-70	42.3	60.2	5001
		4-02-71	37.0	65.5	5001
07N/07E-03B01M	100.0	10-19-70	44.4	55.6	5001
		4-02-71	44.9	55.1	5001
07N/07E-04J01M	133.5	10-19-70	85.9	47.6	5001
		4-01-71	81.0	52.5	5001
07N/07E-04P01M	174.1	10-19-70	132.1	42.0	5001
		4-01-71	126.0	48.1	5001
07N/07E-07N01M	100.0	10-19-70	DRY		5001
07N/07E-07N02M	100.5	10-19-70	(1)		5001
		4-01-71	83.8	16.7	5001
07N/07E-10K01M	98.0	10-19-70	50.9	47.1	5001
		4-02-71	46.7	51.3	5001
07N/07E-14L01M	127.6	10-19-70	89.6	38.0	5001
		4-02-71	87.5	40.1	5001
07N/07E-14L02M	126.0	10-19-70	92.9	33.1	5001
		4-02-71	85.0	41.0	5001
07N/07E-17C02M	101.5	10-19-70	85.7	15.8	5001
		4-01-71	72.2	29.3	5001
07N/07E-20C01M	81.0	10-19-70	56.0	25.0	5001
		4-01-71	49.1	31.9	5001
SACRAMENTO COUNTY 5-21.08 (Continued)					
07N/07E-20H01M	80.5	10-19-70	54.8	25.7	5001
		4-01-71	49.6	30.9	5001
07N/07E-22E01M	109.6	10-16-70	86.0	23.6	5001
		4-02-71	78.6	31.0	5001
07N/07E-24K02M	130.0	10-19-70	93.1	36.9	5001
		4-02-71	91.7	38.3	5001
07N/07E-27B01M	107.0	10-16-70	94.4	12.6	5001
		4-05-71	83.5	23.5	5001
07N/07E-27P01M	100.0	10-16-70	87.6	12.4	5001
		4-01-71	80.2	19.8	5001
07N/07E-29B02M	85.0	10-16-70	73.3	11.7	5001
		4-02-71	64.6	20.4	5001
07N/07E-31F01M	85.1	10-16-70	77.2	7.9	5001
		4-01-71	69.1	16.0	5001
07N/07E-32A01M	75.0	10-16-70	44.2	30.8	5001
		4-01-71	36.8	38.2	5001
07N/07E-32A02M	81.0	3-15-71	71.2	9.8	4202
07N/07E-34D01M	97.4	10-16-70	83.6	13.8	5001
		4-01-71	82.2	15.2	5001
07N/07E-35K01M	156.0	10-20-70	135.0	21.0	5001
		4-02-71	133.7	22.3	5001
07N/08E-02L01M	198.0	10-19-70	17.5	180.5	5108
		3-26-71	16.6	181.4	5108
07N/08E-06N01M	117.5	10-19-70	33.7	83.8	5001
		4-02-71	(1)		5001
07N/08E-13A01M	260.0	10-19-70	14.5	245.5	5108
		3-26-71	11.9	248.1	5108
07N/08E-16E01M	248.8	10-15-70	DRY		5050
		3-19-71	DRY		5050
07N/08E-18F01M	140.0	10-15-70	82.2	57.8	5050
		3-19-71	82.7	57.3	5050
07N/08E-26H01M	190.0	10-19-70	16.5	173.5	5108
		3-26-71	16.1	173.9	5108
07N/08E-36B01M	185.0	10-20-70	9.8	175.2	5108
		3-26-71	7.7	177.3	5108
08N/04E-01G01M	18.3	10-15-70	(1)		5050
		3-17-71	(1)		5050
08N/04E-11P01M	17.0	10-07-70	14.6	2.4	5108
		3-17-71	10.5	6.5	5108
08N/04E-24M01M	25.0	10-27-70	34.2	-9.2	5050
		11-25-70	33.9	-8.9	5050
		12-29-70	31.4	-6.4	5050
		1-27-71	30.9	-5.9	5050
		2-25-71	31.3	-6.3	5050
		3-31-71	31.1	-6.1	5050
		4-29-71	31.3	-6.3	5050
		5-27-71	31.3	-6.3	5050
		6-30-71	31.8	-6.8	5050
		7-30-71	32.3	-7.3	5050
		8-30-71	32.6	-7.6	5050
		9-29-71	33.1	-8.1	5050
08N/04E-33N01M	7.0	10-07-70	7.5	-0.5	5108
		3-17-71	3.6	3.4	5108
08N/04E-36L01M	5.0	10-07-70	22.2	-17.2	5108
		3-17-71	18.6	-13.6	5108
08N/05E-02P01M	39.0	10-22-70	34.3	4.7	5108
		4-30-71	32.7	6.3	5108
08N/05E-03B01M	30.0	10-22-70	40.2	-10.2	5108
		4-29-71	38.4	-8.4	5108
08N/05E-06H01M	22.2	10-15-70	25.0	-2.8	5050
		3-15-71	18.5	3.7	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SACRAMENTO COUNTY 5-21.08 (Continued)					
08N/05E-07P01M	24.3	10-16-70	29.6	-5.3	5050
		3-15-71	27.5	-3.2	5050
08N/05E-12Q01M	44.5	10-08-70	47.5	-3.0	5108
		3-18-71	45.2	-0.7	5108
08N/05E-14J01M	45.0	10-08-70	(2)		5108
		3-18-71	(1)		5108
08N/05E-15E01M	37.0	10-27-70	45.3	-8.3	5050
		11-23-70	45.3	-8.3	5050
		12-28-70	45.0	-8.0	5050
		1-25-71	44.5	-7.5	5050
		2-23-71	44.2	-7.2	5050
		3-29-71	44.0	-7.0	5050
		4-27-71	44.0	-7.0	5050
		5-26-71	44.2	-7.2	5050
		6-29-71	44.7	-7.7	5050
		7-26-71	45.1	-8.1	5050
		8-31-71	45.4	-8.4	5050
		9-30-71	46.0	-9.0	5050
08N/05E-18K01M	19.9	10-15-70	27.8	-7.9	5050
		3-15-71	27.5	-7.6	5050
08N/05E-18Q01M	24.7	10-15-70	34.4	-9.7	5050
		3-15-71	34.1	-9.4	5050
08N/05E-21H02M	39.5	10-08-70	55.0	-15.5	5108
		3-18-71	55.0	-15.5	5108
08N/05E-30A01M	27.3	10-15-70	51.6	-24.3	5050
		3-15-71	48.4	-21.1	5050
08N/05E-31E01M	18.0	10-07-70	38.8	-20.8	5108
		3-17-71	38.2	-20.2	5108
08N/05E-32R01M	21.7	10-15-70	60.8	-39.1	5050
		3-15-71	53.9	-32.2	5050
08N/05E-33J01M	26.0	10-15-70	66.7	-40.7	5050
		3-17-71	62.2	-36.2	5050
08N/06E-05P01M	58.0	10-21-70	48.9	9.1	5108
		4-29-71	(9)		5108
08N/06E-06E03M	65.0	10-05-70	71.0	-6.0	4400
		3-05-71	56.0	9.0	4400
08N/06E-06F01M	60.0	10-05-70	68.0	-8.0	4400
		3-05-71	55.0	5.0	4400
08N/06E-08F01M	57.8	10-15-70	53.0	4.8	5050
		3-17-71	47.9	9.9	5050
08N/06E-09Q02M	75.7	10-20-70	64.3	11.4	5108
		4-29-71	62.6	13.1	5108
08N/06E-11B01M	90.1	10-20-70	73.0	17.1	5108
		4-29-71	70.0	20.1	5108
08N/06E-15P01M	72.1	10-20-70	(3)		5108
		10-28-70	61.5	10.6	5050
		11-24-70	60.0	12.1	5050
		12-28-70	58.9	13.2	5050
		1-25-71	58.6	13.5	5050
		2-24-71	58.1	14.0	5050
		3-30-71	57.9	14.2	5050
		4-28-71	59.5	12.6	5050
		4-29-71	(4)		5108
		5-26-71	61.0	11.1	5050
		6-29-71	63.6	8.5	5050
		7-29-71	65.3	6.8	5050
		8-30-71	65.5	6.6	5050
		9-29-71	65.0	7.1	5050
08N/06E-20R01M	57.4	10-16-70	69.7	-12.3	5108
		3-26-71	64.4	-7.0	5108
08N/06E-21N02M	65.0	10-14-70	74.9	-9.9	4202
		10-15-70	73.9	-8.9	5050
		3-15-71	67.2	-2.2	4202
		3-17-71	67.9	-2.9	5050
08N/06E-25J02M	141.0	10-16-70	120.5	20.5	5050
		3-18-71	119.6	21.4	5050
SACRAMENTO COUNTY 5-21.08 (Continued)					
08N/06E-26K01M	123.0	10-19-70	119.8	3.2	5108
		3-26-71	114.5	8.5	5108
08N/06E-27H02M	93.7	10-16-70	97.8	-4.1	5108
		3-26-71	82.7	11.0	5108
08N/06E-27N01M	79.0	10-16-70	(1)		5108
		3-26-71	83.3	-4.3	5108
08N/06E-30C01M	50.0	10-16-70	76.0	-26.0	5108
		3-26-71	71.8	-21.8	5108
08N/06E-31F01M	51.0	10-16-70	86.2	-35.2	5108
		3-26-71	82.3	-31.3	5108
08N/06E-33N01M	64.7	10-16-70	(1)		5108
		3-26-71	96.0	-31.3	5108
08N/06E-34R01M	106.4	10-16-70	119.6	-13.2	5108
		3-26-71	(1)		5108
08N/07E-02N01M	257.6	10-20-70	138.0	119.6	5108
		4-29-71	145.8	111.8	5108
08N/07E-09N01M	189.6	10-20-70	118.5	71.1	5108
		4-29-71	120.3	69.3	5108
08N/07E-14C01M	254.2	10-20-70	145.0	109.2	5108
		4-29-71	145.5	108.7	5108
08N/07E-18E01M	125.5	10-16-70	97.1	28.4	5050
		3-18-71	89.1	36.4	5050
08N/07E-31J01M	115.4	10-19-70	82.3	33.1	5108
		3-26-71	69.3	46.1	5108
08N/07E-33E01M	145.3	10-19-70	101.8	43.5	5108
		3-26-71	93.1	52.2	5108
09N/03E-02D01M	23.0	10-26-70	14.9	8.1	5108
		5-05-71	11.7	11.3	5108
09N/04E-01R01M	19.5	10-26-70	20.8	-1.3	5108
		5-04-71	19.1	0.4	5108
09N/04E-08L01M	24.0	10-26-70	17.7	6.3	5108
		5-05-71	14.5	9.5	5108
09N/04E-09B01M	20.0	10-26-70	12.2	7.8	5108
		5-04-71	(4)		5108
09N/04E-11E01M	10.0	10-16-70	9.1	0.9	5050
		3-18-71	(9)		5050
09N/04E-22E01M	12.0	10-28-70	6.7	5.3	5050
		11-24-70	6.0	6.0	5050
		12-28-70	1.3	10.7	5050
		1-26-71	1.9	10.1	5050
		2-24-71	2.6	9.4	5050
		3-31-71	2.7	9.3	5050
		4-29-71	3.3	8.7	5050
		5-29-71	2.8	9.2	5050
		6-30-71	5.1	6.9	5050
		7-30-71	4.7	7.3	5050
		8-31-71	7.2	4.8	5050
		9-30-71	7.9	4.1	5050
09N/04E-23R01M	15.0	10-26-70	14.8	0.2	5108
		5-04-71	9.3	5.7	5108
09N/04E-27F01M	24.0	10-26-70	20.5	3.5	5108
		5-04-71	18.8	5.2	5108
09N/04E-36D01M	21.6	10-26-70	19.4	2.2	5108
		5-04-71	(6)		5108
09N/05E-07D01M	20.0	10-26-70	21.3	-1.3	5108
		5-04-71	18.3	1.7	5108
09N/05E-08J02M	33.0	10-16-70	40.9	-7.9	5050
		3-18-71	39.7	-6.7	5050
09N/05E-13G03M	80.0	10-05-70	105.0	-25.0	4400
		3-05-71	91.0	-11.0	4400
09N/05E-13J01M	80.0	3-05-71	84.0	-4.0	4400

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SACRAMENTO COUNTY 5-21.08 (Continued)					
09N/05E-13L02M	72.0	10-05-70	89.0	-17.0	4400
		3-05-71	76.0	-4.0	4400
09N/05E-14H03M	64.0	10-15-70	81.3	-17.3	5050
		3-15-71	74.9	-10.9	5050
09N/05E-18R01M	31.0	10-26-70	36.3	-5.3	5108
		5-04-71	31.3	-0.3	5108
09N/05E-21M01M	34.0	10-29-70	49.9	-15.9	5050
		11-24-70	49.3	-15.3	5050
		12-29-70	48.7	-14.7	5050
		1-26-71	47.9	-13.9	5050
		2-25-71	47.2	-13.2	5050
		3-31-71	46.2	-12.2	5050
		4-29-71	45.8	-11.8	5050
		5-27-71	46.2	-12.2	5050
		6-30-71	47.5	-13.5	5050
		7-30-71	49.0	-15.0	5050
		8-31-71	51.0	-17.0	5050
		9-30-71	50.5	-16.5	5050
09N/05E-22A01M	52.0	10-05-70	75.0	-23.0	4400
		3-05-71	61.0	-9.0	4400
09N/05E-22G02M	51.0	10-15-70	75.6	-24.6	5050
		3-15-71	70.4	-19.4	5050
09N/05E-22L01M	51.0	10-05-70	71.0	-20.0	4400
		3-05-71	62.0	-11.0	4400
09N/05E-23A01M	65.0	3-05-71	76.0	-11.0	4400
09N/05E-23F01M	59.0	3-05-71	(7)		4000
09N/05E-23H01M	63.0	3-05-71	72.0	-9.0	4400
09N/05E-23L01M	60.0	3-05-71	71.0	-11.0	4400
09N/05E-23L02M	57.0	3-05-71	70.0	-13.0	4400
09N/05E-24A03M	72.0	10-05-70	94.0	-22.0	4400
		3-05-71	79.0	-7.0	4400
09N/05E-25C01M	68.0	10-05-70	95.0	-27.0	4400
		3-05-71	79.0	-11.0	4400
09N/05E-25E02M	45.0	10-05-70	70.0	-25.0	4400
		3-05-71	56.0	-11.0	4400
09N/05E-26D01M	52.0	3-05-71	69.0	-17.0	4400
09N/05E-26E01M	42.0	10-05-70	68.0	-26.0	4400
		3-05-71	59.0	-17.0	4400
09N/05E-26G02M	58.0	10-05-70	85.0	-27.0	4400
		3-05-71	75.0	-17.0	4400
09N/05E-26Q01M	40.0	10-05-70	66.0	-26.0	4400
		3-05-71	54.0	-14.0	4400
09N/05E-27Q01M	44.0	10-16-70	60.0	-16.0	5050
		3-17-71	55.3	-11.3	5050
09N/05E-28H01M	37.6	10-15-70	55.5	-17.9	5050
		3-15-71	49.8	-12.2	5050
09N/05E-28K01M	32.9	10-21-70	48.0	-15.1	5050
		3-15-71	44.0	-7.1	5050
09N/05E-28N01M	40.0	10-15-70	43.5	-3.5	5050
		3-15-71	40.7	-0.7	5050
09N/05E-29L02M	30.0	10-22-70	39.6	-9.6	5108
		4-30-71	34.8	-4.8	5108
09N/05E-30B01M	22.0	10-26-70	32.0	-10.0	5108
		5-04-71	23.9	-1.9	5108
09N/05E-35Q01M	49.0	10-05-70	65.0	-16.0	4400
		3-05-71	51.0	-2.0	4400
09N/06E-02P01M	160.0	10-22-70	131.8	28.2	5108
		5-03-71	130.0	30.0	5108
09N/06E-05M01M	112.0	10-23-70	104.3	7.7	5108
		5-03-71	102.7	9.3	5108
SACRAMENTO COUNTY 5-21.08 (Continued)					
09N/06E-07N01M	69.0	10-05-70	88.0	-19.0	4400
		3-05-71	72.0	-3.0	4400
09N/06E-09P01M	135.5	10-22-70	121.3	14.2	5108
		4-30-71	119.5	16.0	5108
09N/06E-12Q01M	205.5	10-22-70	29.8	175.7	5108
		5-03-71	27.7	177.8	5108
09N/06E-17G01M	120.0	10-22-70	118.7	1.3	5108
		4-30-71	117.5	2.5	5108
09N/06E-19E01M	78.0	10-05-70	99.0	-21.0	4400
		3-05-71	86.0	-8.0	4400
09N/06E-19K01M	86.0	10-05-70	110.0	-24.0	4400
		3-05-71	91.0	-5.0	4400
09N/06E-19R01M	81.0	3-05-71	82.0	-1.0	4400
09N/06E-20D01M	78.0	10-05-70	88.0	-10.0	4400
		3-05-71	75.0	3.0	4400
09N/06E-20N02M	92.0	10-05-70	94.0	-2.0	4400
		3-05-71	75.0	17.0	4400
09N/06E-24K02M	113.0	10-21-70	57.8	55.2	5108
		4-29-71	57.2	55.8	5108
09N/06E-26C01M	96.3	10-21-70	(8)		5108
		4-29-71	49.3	47.0	5108
09N/06E-27D01M	71.0	10-22-70	39.5	31.5	5108
		4-30-71	37.5	33.5	5108
09N/06E-28K01M	113.1	10-22-70	78.4	34.7	5108
		4-30-71	77.3	35.8	5108
09N/06E-30C01M	75.0	3-05-71	77.0	-2.0	4400
09N/06E-30J01M	81.5	10-27-70	83.2	-1.7	5050
		11-24-70	80.6	0.9	5050
		12-28-70	78.6	2.9	5050
		1-25-71	77.8	3.7	5050
		2-23-71	76.7	4.8	5050
		3-29-71	75.9	5.6	5050
		4-27-71	77.8	3.7	5050
		5-26-71	80.2	1.3	5050
		6-29-71	84.2	-2.7	5050
		7-29-71	88.2	-6.7	5050
		8-30-71	90.2	-8.7	5050
		9-29-71	(3)		5050
09N/06E-30N01M	66.0	3-05-71	65.0	1.0	4400
09N/06E-30Q01M	82.0	3-05-71	78.0	4.0	4400
09N/06E-31J01M	71.2	10-05-70	78.0	-6.8	4400
		3-05-71	65.0	6.2	4400
09N/06E-32D02M	90.0	10-05-70	102.0	-12.0	4400
		3-05-71	88.0	2.0	4400
09N/06E-33E01M	60.0	10-05-70	49.0	11.0	4400
		3-05-71	(7)		4400
09N/06E-33R01M	73.2	10-21-70	44.8	28.4	5108
		4-29-71	45.6	27.6	5108
09N/06E-34R01M	96.3	10-16-70	65.0	31.3	5050
		3-29-71	62.6	33.7	5050
09N/06E-36J01M	115.4	10-21-70	(4)		5108
09N/07E-07F01M	204.2	10-22-70	154.7	49.5	5108
		5-03-71	152.5	51.7	5108
09N/07E-09A01M	192.0	10-23-70	73.8	118.2	5108
		5-03-71	71.5	120.5	5108
09N/07E-12L01M	290.0	10-21-70	44.3	245.7	5108
		4-29-71	44.8	245.2	5108
09N/07E-16Q01M	144.5	10-22-70	(1)		5108
		4-29-71	27.7	116.8	5108

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SACRAMENTO COUNTY 5-21.08 (Continued)					
09N/07E-27Q01M	224.1	10-21-70	33.9	190.2	5108
		4-29-71	32.3	191.8	5108
09N/07E-31G01M	133.3	10-16-70	60.5	72.8	5050
		3-18-71	59.7	73.6	5050
10N/03E-35A01M	18.9	10-26-70	8.5	10.4	5108
		5-05-71	6.8	12.1	5108
10N/04E-13P01M	25.0	10-26-70	30.3	-5.3	5108
		5-06-71	33.3	-8.3	5108
10N/04E-15F01M	14.0	10-26-70	3.7	10.3	5108
		5-05-71	(9)		5108
10N/04E-18A01M	23.0	10-26-70	8.8	14.2	5108
		5-05-71	4.8	18.2	5108
10N/04E-19P01M	21.0	10-26-70	7.7	13.3	5108
		5-05-71	4.6	16.4	5108
10N/04E-21B02M	16.0	10-26-70	6.8	9.2	5108
		5-05-71	6.0	10.0	5108
10N/04E-23A01M	15.0	10-26-70	11.0	4.0	5108
		5-06-71	5.0	10.0	5108
10N/04E-24B01M	22.0	10-26-70	29.0	-7.0	5108
		5-06-71	32.5	-10.5	5108
10N/04E-31A01M	15.0	10-26-70	4.8	10.2	5108
		5-06-71	(6)		5108
10N/04E-34A02M	25.0	10-29-70	12.7	12.3	5050
		11-24-70	12.5	12.5	5050
		12-28-70	9.5	15.5	5050
		1-26-71	9.9	15.1	5050
		2-24-71	12.0	13.0	5050
		3-31-71	12.9	12.1	5050
		4-28-71	13.2	11.8	5050
		5-26-71	9.2	15.8	5050
		6-29-71	9.0	16.0	5050
		7-29-71	8.6	16.4	5050
		8-31-71	7.6	17.4	5050
		9-27-71	10.7	14.3	5050
10N/04E-36B01M	37.0	10-16-70	32.6	4.4	5050
		3-18-71	29.5	7.5	5050
10N/05E-07M03M	34.8	10-27-70	63.4	-28.6	5108
		5-06-71	61.7	-26.9	5108
10N/05E-14Q01M	86.0	10-27-70	DRY		5108
		5-07-71	DRY		5108
10N/05E-14Q02M	85.5	10-27-70	87.0	-1.5	5108
		5-07-71	85.0	0.5	5108
10N/05E-15P01M	67.5	10-27-70	74.2	-6.7	5108
		10-29-70	(3)		5050
		11-24-70	72.6	-5.1	5050
		12-28-70	71.5	-4.0	5050
		1-26-71	71.3	-3.8	5050
		2-24-71	70.5	-3.0	5050
		3-30-71	69.5	-2.0	5050
		4-28-71	(4)		5050
		5-07-71	69.7	-2.2	5108
		5-26-71	69.3	-1.8	5050
		6-29-71	72.0	-4.5	5050
		7-29-71	73.5	-6.0	5050
		8-31-71	74.8	-7.3	5050
		9-27-71	75.5	-8.0	5050
10N/05E-17N02M	51.0	10-27-70	59.9	-8.9	5108
		5-06-71	58.1	-7.1	5108
10N/05E-25H01M	100.0	10-05-70	116.0	-16.0	4400
		3-05-71	102.0	-2.0	4400
10N/05E-26B02M	81.0	10-27-70	80.7	0.3	5108
		5-07-71	78.6	2.4	5108
10N/05E-30L01M	36.0	10-27-70	30.0	6.0	5108
		5-06-71	(4)		5108
10N/05E-32Q02M	39.0	10-16-70	43.4	-4.4	5050
		3-18-71	40.4	-1.4	5050
SACRAMENTO COUNTY 5-21.08 (Continued)					
10N/05E-34M01M	47.0	10-27-70	57.3	-10.3	5108
		5-06-71	56.0	-9.0	5108
10N/05E-36B01M	90.0	10-05-70	104.0	-14.0	4400
		3-05-71	94.0	-4.0	4400
10N/05E-36J01M	105.0	10-05-70	117.0	-12.0	4400
		3-05-71	103.0	2.0	4400
10N/05E-36K01M	92.0	10-05-70	110.0	-18.0	4400
		3-05-71	99.0	-7.0	4400
10N/05E-36Q02M	86.0	10-05-70	98.0	-12.0	4400
		3-05-71	85.0	1.0	4400
10N/06E-19K01M	150.5	10-28-70	DRY		5108
10N/06E-21F02M	158.5	10-28-70	142.2	16.3	5108
		5-07-71	138.3	20.2	5108
10N/06E-22C01M	170.0	10-28-70	(2)		5108
		5-07-71	143.5	26.5	5108
10N/06E-22N01M	134.7	10-16-70	81.0	53.7	5050
		3-15-71	83.3	51.4	5050
10N/06E-25N01M	155.0	10-23-70	(2)		5108
		5-03-71	116.2	38.8	5108
10N/06E-30L01M	115.0	10-05-70	119.0	-4.0	4400
		3-05-71	102.0	13.0	4400
10N/06E-31L01M	111.0	10-05-70	119.0	-8.0	4400
		3-05-71	109.0	2.0	4400
10N/06E-33K01M	120.0	10-23-70	110.0	10.0	5108
		10-28-70	109.5	10.5	5050
		11-24-70	106.1	13.9	5050
		12-28-70	104.1	15.9	5050
		1-26-71	103.4	16.6	5050
		2-24-71	102.5	17.5	5050
		3-30-71	102.6	17.4	5050
		4-28-71	104.7	15.3	5050
		5-03-71	105.2	14.8	5108
		5-26-71	107.9	12.1	5050
		6-29-71	113.1	6.9	5050
		7-29-71	117.5	2.5	5050
		8-30-71	117.6	2.4	5050
		9-29-71	114.4	5.6	5050
10N/07E-20D01M	210.0	10-23-70	115.3	94.7	5108
		5-03-71	117.0	93.0	5108
10N/07E-28C01M	210.2	10-23-70	103.0	107.2	5108
		5-03-71	102.0	108.2	5108
10N/07E-29G01M	216.0	10-23-70	108.7	107.3	5108
		5-03-71	107.8	108.2	5108
10N/07E-32N01M	215.0	10-23-70	142.5	72.5	5108
		5-03-71	141.2	73.8	5108
YOLO COUNTY 5-21.09					
06N/03E-12R01M	2.5	10-25-70	6.1	-3.6	5104
		3-20-71	3.9	-1.4	5104
06N/03E-15B01M	4.0	10-25-70	(7)		5104
		3-20-71	(7)		5104
06N/03E-23P01M	4.9	10-25-70	5.4	-0.5	5104
		3-20-71	3.2	1.7	5104
07N/03E-04Q01M	19.0	10-25-70	26.4	-7.4	5104
		3-11-71	19.4	-0.4	5104
07N/03E-08J01M	17.0	10-15-70	31.0	-14.0	5050
		3-17-71	21.9	-4.9	5050
07N/03E-08M01M	19.0	10-09-70	(7)		5001
		3-09-71	29.4	-10.4	5001
07N/03E-17F01M	16.0	10-15-70	21.7	-5.7	5050
		3-17-71	20.9	-4.9	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
YOLO COUNTY 5-21.09 (Continued)					
07N/03E-19N01M	21.0	10-09-70	33.9	-12.9	5001
		3-09-71	26.5	-5.5	5001
07N/03E-30Q01M	17.0	10-09-70	15.6	1.4	5001
		3-08-71	15.8	1.2	5001
08N/01E-01J02M	65.0	10-31-70	40.4	24.6	5104
		3-05-71	28.7	36.3	5104
08N/01E-02B01M	78.0	10-05-70	31.1	46.9	5001
		3-10-71	21.2	56.8	5001
08N/01E-04A01M	97.0	10-05-70	32.4	64.6	5001
		3-10-71	29.2	67.8	5001
08N/01E-04Q02M	95.0	10-31-70	30.1	64.9	5104
		3-05-71	(8)		5104
08N/01E-05A01M	115.0	10-05-70	(0)		5001
08N/01E-07B02M	107.0	10-05-70	(0)		5001
		10-31-70	28.4	78.6	5104
		3-05-71	22.8	84.2	5104
08N/01E-08M03M	100.0	10-31-70	29.5	70.5	5104
		3-05-71	24.7	75.3	5104
08N/01E-09E01M	97.0	10-31-70	40.3	56.7	5104
		3-05-71	31.2	65.8	5104
08N/01E-09R01M	90.5	10-29-70	35.3	55.2	5050
		11-25-70	33.5	57.0	5050
		12-29-70	31.6	58.9	5050
		1-27-71	31.0	59.5	5050
		2-25-71	31.9	58.6	5050
		3-31-71	34.1	56.4	5050
		4-29-71	41.7	48.8	5050
		5-27-71	57.4	33.1	5050
		6-30-71	56.6	33.9	5050
		7-30-71	59.3	31.2	5050
		8-31-71	51.5	39.0	5050
		9-30-71	40.2	50.3	5050
08N/01E-10M01M	91.3	10-31-70	40.7	50.6	5104
		3-05-71	34.3	57.0	5104
08N/01E-11F01M	78.0	10-31-70	28.8	49.2	5104
		3-05-71	27.6	50.4	5104
08N/01E-12D01M	70.0	10-31-70	34.0	36.0	5104
		3-05-71	25.1	44.9	5104
08N/01E-12R03M	64.0	10-05-70	39.1	24.9	5001
		3-10-71	34.3	29.7	5001
08N/01E-14P01M	79.0	10-31-70	40.3	38.7	5104
		3-05-71	35.9	43.1	5104
08N/01E-15B01M	85.0	10-29-70	25.3	59.7	5050
		10-31-70	26.1	58.9	5104
		11-25-70	26.0	59.0	5050
		12-29-70	25.6	59.4	5050
		1-27-71	25.7	59.3	5050
		2-25-71	25.9	59.1	5050
		3-05-71	25.5	59.5	5104
		3-31-71	25.3	59.7	5050
		4-29-71	24.7	60.3	5050
		5-27-71	25.1	59.9	5050
		6-30-71	24.6	60.4	5050
		7-30-71	24.4	60.6	5050
		8-31-71	25.2	59.8	5050
		9-30-71	26.6	58.4	5050
08N/01E-16B01M	93.5	10-06-70	49.2	44.3	5001
		3-11-71	38.3	55.2	5001
08N/01E-16D01M	94.0	10-31-70	37.8	56.2	5104
		3-05-71	(1)		5104
08N/01E-17D01M	102.0	10-31-70	36.3	65.7	5104
		3-05-71	26.5	75.5	5104
08N/01E-17F01M	101.0	10-06-70	36.0	65.0	5001
		3-11-71	31.8	69.2	5001
08N/01E-18J02M	104.0	10-31-70	38.7	65.3	5104
		3-05-71	31.3	72.7	5104
YOLO COUNTY 5-21.09 (Continued)					
08N/02E-01K01M	34.0	10-05-70	63.6	-29.6	5001
		3-10-71	(1)		5001
08N/02E-02M01M	41.0	10-05-70	(6)		5001
08N/02E-04E01M	52.0	10-05-70	51.1	0.9	5001
		3-10-71	38.2	13.8	5001
08N/02E-08R03M	55.0	8-11-70	(6)		5001
08N/02E-09A01M	43.0	10-31-70	52.7	-9.7	5104
		3-05-71	38.0	5.0	5104
08N/02E-13B06M	36.5	10-09-70	54.9	-18.4	5001
		3-08-71	42.1	-5.6	5001
08N/02E-15M02M	52.7	10-09-70	(7)		5001
		3-11-71	49.8	2.9	5001
08N/02E-16M01M	58.0	10-06-70	61.7	-3.7	5001
		3-11-71	47.8	10.2	5001
08N/02E-16N01M	60.0	10-31-70	61.0	-1.0	5104
		3-05-71	51.6	8.4	5104
08N/02E-17M01M	59.0	10-06-70	50.8	8.2	5001
		3-11-71	39.1	19.9	5001
08N/02E-19B01M	67.0	10-06-70	47.5	19.5	5001
		3-11-71	44.5	22.5	5001
08N/03E-03Q01M	14.0	10-25-70	13.7	0.3	5104
		3-20-71	9.0	5.0	5104
08N/03E-04R01M	16.0	10-25-70	22.7	-6.7	5104
		3-11-71	13.8	2.2	5104
08N/03E-07B02M	25.0	10-25-70	40.1	-15.1	5104
		3-11-71	30.7	-5.7	5104
08N/03E-07M01M	32.4	10-29-70	41.7	-9.3	5050
		11-25-70	35.5	-3.1	5050
		12-29-70	29.4	3.0	5050
		1-27-71	27.8	4.6	5050
		2-25-71	29.1	3.3	5050
		3-31-71	35.9	-3.5	5050
		4-29-71	57.4	-25.0	5050
		5-27-71	68.6	-36.2	5050
		6-30-71	71.6	-39.2	5050
		7-30-71	71.0	-38.6	5050
		8-31-71	68.8	-36.4	5050
		9-30-71	54.4	-22.0	5050
08N/03E-15D01M	14.0	10-15-70	24.9	-10.9	5050
		3-17-71	11.1	2.9	5050
08N/03E-19D01M	37.0	10-08-70	53.8	-16.8	5001
		10-25-70	45.7	-8.7	5104
		3-08-71	44.7	-7.7	5001
		3-11-71	37.1	-0.1	5104
08N/03E-28H01M	20.0	10-25-70	18.3	1.7	5104
		3-11-71	14.5	5.5	5104
08N/03E-31N01M	32.0	10-08-70	68.9	-36.9	5001
		3-08-71	41.6	-9.6	5001
		3-14-71	41.9	-9.9	5104
08N/03E-32G01M	21.0	10-15-70	26.8	-5.8	5050
		3-17-71	22.9	-1.9	5050
08N/03E-32L01M	25.0	10-15-70	41.4	-16.4	5050
		3-17-71	28.2	-3.2	5050
08N/01W-02K01M	130.0	10-31-70	27.6	102.4	5104
		3-05-71	26.6	103.4	5104
08N/01W-03D03M	163.0	10-05-70	65.2	97.8	5001
		3-10-71	58.1	104.9	5001
08N/01W-09C01M	163.0	10-31-70	55.2	107.8	5104
		3-05-71	49.1	113.9	5104
08N/01W-10A02M	135.0	10-05-70	48.9	86.1	5001
		3-10-71	45.6	89.4	5001

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
YOLO COUNTY 5-21.09 (Continued)					
08N/01W-10E01M	139.0	10-05-70	49.0	90.0	5001
		3-10-71	44.0	95.0	5001
08N/01W-11K02M	125.0	10-21-70	42.5	82.5	5104
		3-05-71	39.1	85.9	5104
08N/01W-12D01M	122.0	10-31-70	32.5	89.5	5104
		3-05-71	31.2	90.8	5104
08N/01W-13F05M	114.0	10-06-70	39.2	74.8	5001
		3-11-71	(1)		5001
08N/01W-13G03M	113.0	10-31-70	36.3	76.7	5104
		3-05-71	(1)		5104
08N/01W-14Q01M	120.0	10-31-70	39.2	80.8	5104
		3-05-71	37.3	82.7	5104
08N/01W-16R02M	128.0	10-05-70	52.6	75.4	5001
		10-31-70	50.5	77.5	5104
		3-05-71	41.8	86.2	5104
		3-10-71	42.5	85.5	5001
08N/01W-20R02M	149.0	10-05-70	67.0	82.0	5001
		3-10-71	53.7	95.3	5001
08N/01W-20R05M	147.0	10-31-70	60.9	86.1	5104
		3-05-71	53.3	93.7	5104
08N/01W-21N01M	145.0	10-05-70	(1)		5001
		3-10-71	54.2	90.8	5001
08N/01W-22G02M	126.5	10-06-70	43.0	83.5	5001
		3-11-71	37.8	88.7	5001
08N/01W-22L01M	128.0	10-06-70	54.2	73.8	5001
		3-11-71	45.2	82.8	5001
08N/01W-28B01M	139.0	10-05-70	56.1	82.9	5001
		3-11-71	(9)		5001
08N/01W-28B02M	139.0	10-05-70	53.9	85.1	5001
		3-11-71	(1)		5001
08N/01W-28N01M	142.0	10-06-70	53.6	88.4	5001
		3-11-71	45.4	96.6	5001
08N/01W-29M01M	155.0	10-05-70	62.1	92.9	5001
		3-10-71	58.5	96.5	5001
08N/01W-31H01M	153.0	10-05-70	36.3	116.7	5001
		3-10-71	33.5	119.5	5001
08N/01W-31J03M	144.7	10-05-70	22.1	122.6	5001
		3-10-71	20.5	124.2	5001
08N/01W-31K01M	157.0	10-05-70	35.4	121.6	5001
		3-10-71	34.9	122.1	5001
08N/01W-32C01M	147.0	10-05-70	46.8	100.2	5001
		3-10-71	41.1	105.9	5001
09N/01E-01L01M	74.0	11-02-70	51.6	22.4	5104
		3-16-71	41.6	32.4	5104
09N/01E-02A01M	84.0	11-02-70	66.3	17.7	5104
		3-06-71	54.3	29.7	5104
09N/01E-02N01M	87.0	11-02-70	51.3	35.7	5104
		3-16-71	45.9	41.1	5104
09N/01E-03A02M	91.0	11-02-70	66.6	24.4	5104
		3-06-71	59.4	31.6	5104
09N/01E-03C03M	96.0	11-02-70	62.8	33.2	5104
		3-06-71	49.7	46.3	5104
09N/01E-05E01M	116.0	11-02-70	15.7	100.3	5104
		3-06-71	15.1	100.9	5104
09N/01E-07D01M	121.0	11-02-70	22.0	99.0	5104
		3-06-71	13.2	107.8	5104
09N/01E-08D01M	116.0	11-02-70	9.8	106.2	5104
		3-06-71	5.3	110.7	5104
09N/01E-12A01M	70.0	11-03-70	49.5	20.5	5104
		3-16-71	40.8	29.2	5104
YOLO COUNTY 5-21.09 (Continued)					
09N/01E-12M01M	81.0	11-03-70	37.3	43.7	5104
		3-16-71	36.4	44.6	5104
09N/01E-12Q01M	71.0	11-03-70	41.7	29.3	5104
		3-16-71	40.6	30.4	5104
09N/01E-16A01M	92.0	10-15-70	16.5	75.5	5050
		3-17-71	14.1	77.9	5050
09N/01E-20E01M	112.0	10-31-70	16.7	95.3	5104
		3-06-71	15.7	96.3	5104
09N/01E-22B01M	86.0	10-31-70	(7)		5104
		3-06-71	(7)		5104
09N/01E-24D01M	67.0	10-31-70	23.3	43.7	5104
		3-06-71	24.4	42.6	5104
09N/01E-26N01M	77.0	10-31-70	15.5	61.5	5104
		3-06-71	12.1	64.9	5104
09N/01E-27Q01M	87.0	10-31-70	20.0	67.0	5104
		3-06-71	17.1	69.9	5104
09N/01E-28M01M	102.0	10-31-70	(1)		5104
		3-06-71	14.7	87.3	5104
09N/01E-31D01M	116.0	10-15-70	15.5	100.5	5050
		3-17-71	13.4	102.6	5050
09N/01E-31K02M	111.0	10-05-70	32.6	78.4	5001
		3-10-71	22.8	88.2	5001
09N/02E-05C01M	68.0	11-02-70	44.1	23.9	5104
		3-16-71	42.6	25.4	5104
09N/02E-07A01M	72.0	11-03-70	54.1	17.9	5104
		3-16-71	46.6	25.4	5104
09N/02E-07K01M	70.0	11-07-70	50.2	19.8	5104
		3-16-71	45.8	24.2	5104
09N/02E-07L01M	66.0	11-03-70	47.9	18.1	5104
		3-16-71	38.8	27.2	5104
09N/02E-09B01M	53.0	11-07-70	(9)		5104
		3-16-71	29.3	23.7	5104
09N/02E-10D01M	46.0	11-07-70	(6)		5104
09N/02E-10E01M	46.0	2-08-71	21.5	24.5	5050
		3-16-71	22.4	23.6	5104
09N/02E-11D01M	34.0	11-07-70	10.4	23.6	5104
		3-16-71	9.4	24.6	5104
09N/02E-16E01M	53.0	11-07-70	35.7	17.3	5104
		3-16-71	25.2	27.8	5104
09N/02E-16N01M	52.0	10-29-70	35.7	16.3	5050
		11-25-70	31.9	20.1	5050
		12-29-70	25.6	26.4	5050
		1-27-71	24.1	27.9	5050
		2-25-71	23.2	28.8	5050
		3-31-71	26.4	25.6	5050
		4-29-71	45.9	6.1	5050
		5-27-71	52.0	0.0	5050
		6-30-71	51.4	0.6	5050
		7-30-71	58.4	-6.4	5050
		8-31-71	50.6	1.4	5050
		9-30-71	43.1	8.9	5050
09N/02E-17M01M	65.0	11-07-70	41.8	23.2	5104
		3-16-71	33.3	31.7	5104
09N/02E-20M01M	61.0	11-07-70	36.8	24.2	5104
		3-16-71	29.2	31.8	5104
09N/02E-21L01M	51.0	10-31-70	30.3	20.7	5104
		3-20-71	27.5	23.5	5104
09N/02E-29Q03M	50.0	10-31-70	40.1	9.9	5104
		3-06-71	25.1	24.9	5104
09N/02E-31D01M	65.0	10-31-70	44.9	20.1	5104
		3-06-71	36.5	28.5	5104

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
YOLO COUNTY 5-21.09 (Continued)					
09N/02E-33H01M	47.0	10-31-70	48.1	-1.1	5104
		3-20-71	35.1	11.9	5104
09N/02E-35E01M	34.0	11-07-70	32.7	1.3	5104
		3-20-71	28.1	5.9	5104
09N/03E-07D01M	25.0	11-07-70	13.6	11.4	5104
		3-16-71	11.1	13.9	5104
09N/03E-11N09M	13.0	11-03-70	8.9	4.1	5104
		3-20-71	5.1	7.9	5104
09N/03E-31A02M	21.0	10-25-70	33.1	-12.1	5104
		3-11-71	19.4	1.6	5104
09N/04E-32G01M	12.0	10-29-70	9.6	2.4	5050
		11-24-70	8.9	3.1	5050
		12-27-70	5.9	6.1	5050
		1-26-71	5.4	6.6	5050
		2-24-71	6.1	5.9	5050
		3-29-71	6.6	5.4	5050
		4-27-71	6.8	5.2	5050
		5-27-71	8.5	3.5	5050
		6-30-71	11.3	0.7	5050
		7-30-71	11.9	0.1	5050
		8-30-71	9.5	2.5	5050
		9-30-71	9.4	2.6	5050
09N/04E-34K01M	18.4	10-15-70	16.1	2.3	5050
		3-15-71	9.9	8.5	5050
09N/01W-02Q02M	136.0	11-02-70	(3)		5104
		3-06-71	17.6	118.4	5104
09N/01W-03B01M	148.0	11-02-70	17.9	130.1	5104
		3-06-71	12.7	135.3	5104
09N/01W-05B01M	185.0	11-02-70	14.3	170.7	5104
		3-07-71	13.0	172.0	5104
09N/01W-07R01M	210.0	11-02-70	36.8	173.2	5104
		3-06-71	34.1	175.9	5104
09N/01W-08Q01M	190.0	11-02-70	16.9	173.1	5104
		3-06-71	19.0	171.0	5104
09N/01W-09K01M	168.0	11-02-70	11.6	156.4	5104
		3-06-71	10.7	157.3	5104
09N/01W-09P01M	182.0	11-02-70	18.3	163.7	5104
		3-06-71	18.8	163.2	5104
09N/01W-11K01M	138.0	11-02-70	12.0	126.0	5104
		3-06-71	11.7	126.3	5104
09N/01W-15D01M	164.0	10-31-70	16.4	147.6	5104
		3-06-71	19.9	144.1	5104
09N/01W-16N01M	180.0	10-31-70	11.3	168.7	5104
		3-06-71	9.4	170.6	5104
09N/01W-21E01M	170.0	10-31-70	10.2	159.8	5104
		3-06-71	7.8	162.2	5104
09N/01W-24G01M	125.0	10-31-70	11.9	113.1	5104
		3-06-71	10.1	114.9	5104
09N/01W-27B01M	149.0	10-31-70	14.9	134.1	5104
		3-06-71	15.6	133.4	5104
09N/01W-29J01M	182.0	10-31-70	(3)		5104
		3-06-71	DRY		5104
09N/01W-33J01M	169.0	10-31-70	31.3	137.7	5104
		3-06-71	33.6	135.4	5104
09N/01W-35M01M	143.0	10-29-70	35.0	108.0	5050
		10-31-70	39.9	103.1	5104
		11-25-70	34.9	108.1	5050
		12-29-70	32.8	110.2	5050
		1-27-71	32.8	110.2	5050
		2-25-71	33.3	109.7	5050
		3-06-71	35.0	108.0	5104
		3-31-71	34.4	108.6	5050
		4-29-71	41.7	101.3	5050
		5-27-71	44.0	99.0	5050
YOLO COUNTY 5-21.09 (Continued)					
09N/01W-35M01M (Continued)	143.0	6-30-71	50.4	92.6	5050
		7-30-71	52.9	90.1	5050
		8-31-71	46.7	96.3	5050
		9-30-71	41.6	101.4	5050
09N/01W-36G03M	119.5	10-31-70	(1)		5104
		3-06-71	21.0	98.5	5104
10N/01E-02Q02M	72.5	11-03-70	58.2	14.3	5104
		3-06-71	39.8	32.7	5104
10N/01E-03E01M	79.0	11-03-70	76.7	2.3	5104
		3-06-71	58.6	20.4	5104
10N/01E-07D01M	205.0	11-03-70	45.7	159.3	5104
		3-06-71	47.6	157.4	5104
10N/01E-10G01M	84.0	11-03-70	70.0	14.0	5104
		3-06-71	55.0	29.0	5104
10N/01E-13L01M	82.0	11-07-70	61.5	20.5	5104
		3-06-71	50.8	31.2	5104
10N/01E-14K01M	91.0	11-03-70	68.4	22.6	5104
		3-06-71	54.5	36.5	5104
10N/01E-15D01M	93.0	11-03-70	64.2	28.8	5104
		3-06-71	64.1	28.9	5104
10N/01E-15F02M	87.0	11-03-70	70.4	16.6	5104
		3-06-71	56.1	30.9	5104
10N/01E-15R01M	94.0	11-03-70	(1)		5104
		3-06-71	(1)		5104
10N/01E-18C01M	185.0	11-02-70	49.1	135.9	5104
		3-06-71	53.4	131.6	5104
10N/01E-19K01M	120.0	11-02-70	(3)		5104
		3-06-71	(3)		5104
10N/01E-23G01M	92.0	11-03-70	(3)		5104
		3-06-71	56.4	35.6	5104
10N/01E-23Q02M	87.0	11-03-70	68.4	18.6	5104
		3-06-71	55.3	31.7	5104
10N/01E-24E01M	83.0	11-03-70	67.9	15.1	5104
		3-05-71	50.7	32.3	5104
10N/01E-26E03M	97.0	11-03-70	73.3	23.7	5104
		3-06-71	59.7	37.3	5104
10N/01E-27F01M	100.0	11-03-70	77.4	22.6	5104
		3-06-71	57.2	42.8	5104
10N/01E-28K01M	109.0	11-03-70	47.8	61.2	5104
		3-06-71	35.1	73.9	5104
10N/01E-29K01M	110.0	11-03-70	25.4	84.6	5104
		3-06-71	17.4	92.6	5104
10N/01E-31E01M	128.0	11-02-70	27.6	100.4	5104
		3-07-71	17.5	110.5	5104
10N/01E-32E01M	124.0	11-02-70	28.0	96.0	5104
		3-07-71	18.6	105.4	5104
10N/01E-33P01M	130.0	11-02-70	66.7	63.3	5104
		3-06-71	61.9	68.1	5104
10N/01E-34A03M	100.0	11-03-70	75.6	24.4	5104
		3-06-71	65.8	34.2	5104
10N/01E-34C01M	113.2	10-30-70	79.1	34.1	5050
		11-30-70	77.6	35.6	5050
		12-30-70	75.4	37.8	5050
		1-28-71	72.8	40.4	5050
		2-28-71	69.2	44.0	5050
		3-31-71	68.1	45.1	5050
		4-29-71	70.6	42.6	5050
		5-30-71	74.8	38.4	5050
		6-30-71	79.1	34.1	5050
		7-30-71	80.9	32.3	5050
		8-30-71	81.0	32.2	5050
		9-29-71	80.8	32.4	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
YOLO COUNTY 5-21.09 (Continued)					
10N/01E-36Q02M	85.0	11-02-70	71.4	13.6	5104
		3-06-71	57.3	27.7	5104
10N/02E-01P02M	30.0	11-03-70	19.9	10.1	5104
		3-06-71	10.5	19.5	5104
10N/02E-03R02M	37.0	11-03-70	27.4	9.6	5104
		3-06-71	18.8	18.2	5104
10N/02E-04R01M	44.0	11-03-70	24.9	19.1	5104
		3-06-71	19.0	25.0	5104
10N/02E-05M02M	64.5	11-03-70	46.3	18.2	5104
		3-06-71	38.0	26.5	5104
10N/02E-06B01M	65.0	11-03-70	51.1	13.9	5104
		3-06-71	43.3	21.7	5104
10N/02E-06M01M	72.0	11-03-70	59.1	12.9	5104
		3-06-71	46.2	25.8	5104
10N/02E-08D02M	67.0	11-03-70	47.0	20.0	5104
		3-06-71	(1)		5104
10N/02E-08E01M	67.0	11-03-70	48.7	18.3	5104
		3-06-71	(1)		5104
10N/02E-08Q01M	63.0	11-03-70	44.7	18.3	5104
		3-06-71	41.2	21.8	5104
10N/02E-09N01M	63.0	11-03-70	49.1	13.9	5104
		3-06-71	41.8	21.2	5104
10N/02E-10R01M	47.0	11-03-71	32.6	14.4	5104
		3-06-71	23.6	23.4	5104
10N/02E-12R01M	35.0	11-03-70	26.3	8.7	5104
		3-06-71	13.9	21.1	5104
10N/02E-14E01M	36.0	11-03-70	14.8	21.2	5104
		3-06-71	7.6	28.4	5104
10N/02E-14G01M	32.0	10-29-70	16.7	15.3	5050
		11-25-70	15.4	16.6	5050
		12-29-70	10.4	21.6	5050
		1-27-71	7.6	24.4	5050
		2-25-71	7.3	24.7	5050
		3-31-71	8.3	23.7	5050
		4-29-71	18.5	13.5	5050
		5-27-71	20.1	11.9	5050
		6-30-71	22.6	9.4	5050
		7-30-71	23.2	8.8	5050
		8-31-71	21.1	10.9	5050
		9-30-71	20.1	11.9	5050
10N/02E-15N01M	45.0	11-07-70	35.0	10.0	5104
		3-06-71	27.0	18.0	5104
10N/02E-18M01M	74.0	11-07-70	54.6	19.4	5104
		3-06-71	45.8	28.2	5104
10N/02E-20E01M	62.0	11-07-70	40.0	22.0	5104
		3-06-71	(6)		5104
10N/02E-20N01M	65.0	11-07-70	48.1	16.9	5104
		3-06-71	37.8	27.2	5104
10N/02E-21M02M	52.0	11-07-70	33.2	18.8	5104
		3-06-71	29.0	23.0	5104
10N/02E-24B01M	29.0	11-03-70	21.9	7.1	5104
		3-06-71	9.9	19.1	5104
10N/02E-26Q01M	32.0	11-03-70	44.8	-12.8	5104
		3-16-71	13.8	18.2	5104
10N/02E-31M01M	77.0	11-02-70	59.5	17.5	5104
		3-06-71	52.0	25.0	5104
10N/02E-33R01M	52.0	11-07-70	35.8	16.2	5104
		3-16-71	26.0	26.0	5104
10N/02E-34M01M	54.0	11-07-70	40.1	13.9	5104
		3-16-71	28.6	25.4	5104
10N/03E-14C01M	25.0	10-15-70	14.6	10.4	5050
		3-16-71	9.2	15.8	5050
YOLO COUNTY 5-21.09 (Continued)					
10N/03E-30A01M	24.0	10-15-70	21.3	2.7	5050
		3-16-71	9.1	14.9	5050
10N/03E-32E01M	21.0	10-15-70	17.8	3.2	5050
		3-16-71	5.6	15.4	5050
10N/03E-33B01M	22.0	10-15-70	14.0	8.0	5050
		3-16-71	8.1	13.9	5050
10N/01W-04C01M	178.0	10-24-70	56.7	121.3	5104
		3-06-71	37.3	140.7	5104
10N/01W-05E01M	185.0	10-24-70	67.4	117.6	5104
		3-06-71	46.6	138.4	5104
10N/01W-06A01M	189.0	10-24-70	71.6	117.4	5104
		3-08-71	56.0	133.0	5104
10N/01W-06D01M	205.0	10-15-70	79.5	125.5	5050
		3-17-71	61.7	143.3	5050
10N/01W-08B01M	176.0	10-24-70	58.1	117.9	5104
		3-07-71	32.0	144.0	5104
10N/01W-09F02M	171.0	10-24-70	56.8	114.2	5104
		3-06-71	31.5	139.5	5104
10N/01W-14B01M	153.0	11-02-70	23.8	129.2	5104
		3-06-71	21.6	131.4	5104
10N/01W-15A01M	155.0	11-02-70	DRY		5104
10N/01W-15B01M	153.0	11-02-70	32.9	120.1	5104
		3-06-71	23.4	129.6	5104
10N/01W-15P01M	160.0	11-02-70	39.5	120.5	5104
		3-06-71	26.3	133.7	5104
10N/01W-17N01M	180.0	10-24-70	56.5	123.5	5104
		3-07-71	25.2	154.8	5104
10N/01W-18A01M	179.0	10-15-70	53.7	125.3	5050
		3-17-71	30.7	148.3	5050
10N/01W-18E01M	188.0	10-15-70	58.3	129.7	5050
		3-17-71	29.7	158.3	5050
10N/01W-19Q04M	188.0	10-24-70	41.5	146.5	5104
		3-07-71	41.2	146.8	5104
10N/01W-21G01M	163.0	11-02-70	(7)		5104
		1-15-71	(0)		5050
10N/01W-21J01M	160.0	11-02-70	39.1	120.9	5104
		3-06-71	28.9	131.1	5104
10N/01W-23P01M	141.0	11-02-70	28.0	113.0	5104
		3-06-71	17.7	123.3	5104
10N/01W-24L02M	137.0	11-02-70	22.2	114.8	5104
		3-06-71	15.7	121.3	5104
10N/01W-26D03M	147.0	11-02-70	32.0	115.0	5104
		3-06-71	21.0	126.0	5104
10N/01W-27F01M	147.0	11-02-70	33.1	113.9	5104
		3-06-71	18.0	129.0	5104
10N/01W-27N01M	150.0	10-29-70	29.3	120.7	5050
		11-25-70	28.0	122.0	5050
		12-29-70	22.0	128.0	5050
		1-27-71	17.6	132.4	5050
		2-25-71	16.0	134.0	5050
		3-31-71	15.6	134.4	5050
		4-29-71	18.8	131.2	5050
		5-27-71	22.5	127.5	5050
		6-30-71	25.3	124.7	5050
		7-30-71	33.8	116.2	5050
		8-31-71	32.6	117.4	5050
		9-30-71	33.1	116.9	5050
10N/01W-27P01M	146.0	11-02-70	28.9	117.1	5104
		3-06-71	19.5	126.5	5104
10N/01W-29M01M	173.0	11-02-70	13.6	159.4	5104
		3-07-71	(8)		5104

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
YOLO COUNTY 5-21.09 (Continued)					
10N/01W-30K01M	181.0	11-02-70	25.3	155.7	5104
		3-07-71	12.4	168.6	5104
10N/01W-32B01M	180.0	11-02-70	15.8	164.2	5104
		3-07-71	(1)		5104
10N/01W-32E01M	188.0	11-02-70	(1)		5104
		3-06-71	15.4	172.6	5104
10N/01W-33F01M	165.0	11-02-70	29.7	135.3	5104
		3-06-71	(1)		5104
10N/01W-36B02M	131.0	11-02-70	26.5	104.5	5104
		3-07-71	16.1	114.9	5104
10N/02W-01M02M	225.0	10-15-70	98.7	126.3	5050
		3-17-71	80.1	144.9	5050
10N/02W-12D01M	210.0	10-15-70	DRY		5050
		3-17-71	63.7	146.3	5050
10N/02W-14A01M	200.0	10-24-70	80.0	120.0	5104
		3-07-71	70.2	129.8	5104
10N/02W-16R01M	229.0	10-24-70	15.8	~~113~~.2	5104
		3-07-71	13.7	115.3	5104
10N/02W-17J01M	254.0	10-24-70	10.7	243.3	5104
		3-07-71	9.5	244.5	5104
10N/02W-21G01M	239.0	10-24-70	16.7	222.3	5104
		3-07-71	16.0	223.0	5104
10N/02W-25D01M	232.0	11-02-70	48.8	183.2	5104
		3-07-71	35.0	197.0	5104
10N/02W-28J01M	365.0	11-02-70	67.9	297.1	5104
		3-07-71	64.5	300.5	5104
10N/02W-35A01M	250.0	11-02-70	53.6	196.4	5104
		3-07-71	(3)		5104
10N/02W-36A01M	191.0	11-02-70	(8)		5104
		3-07-71	8.5	182.5	5104
11N/01E-03E01M	36.0	10-07-70	50.5	-14.5	5001
		3-09-71	17.3	18.7	5001
11N/01E-04E02M	37.0	10-07-70	44.2	-7.2	5001
		3-09-71	22.8	14.2	5001
11N/01E-06P01M	40.0	10-07-70	(1)		5001
		3-09-71	(0)		5001
11N/01E-06R02M	35.0	10-07-70	(4)		5001
		3-09-71	25.0	10.0	5001
11N/01E-08F01M	40.0	10-07-70	(4)		5001
		3-09-71	(4) (0)		5001
11N/01E-09F01M	46.0	10-07-70	55.5	-9.5	5001
		3-09-71	24.3	21.7	5001
11N/01E-09F02M	45.0	10-07-70	51.0	-6.0	5001
		3-09-71	20.1	24.9	5001
11N/01E-09P01M	47.5	10-07-70	31.5	16.0	5001
		3-09-71	22.3	25.2	5001
11N/01E-09R01M	39.0	10-07-70	26.4	12.6	5001
		3-09-71	12.4	26.6	5001
11N/01E-14E01M	39.0	10-07-70	47.5	-8.5	5001
		3-09-71	23.4	15.6	5001
11N/01E-15C01M	42.0	10-07-70	46.6	-4.6	5001
		3-09-71	23.0	19.0	5001
11N/01E-16J01M	46.0	10-07-70	29.2	16.8	5001
		3-09-71	25.1	20.9	5001
11N/01E-17F01M	50.5	10-07-70	48.3	2.2	5001
		3-08-71	27.8	22.7	5001
11N/01E-18C01M	52.0	10-07-70	66.7	-14.7	5001
		3-08-71	36.1	15.9	5001
YOLO COUNTY 5-21.09 (Continued)					
11N/01E-19A02M	57.0	10-07-70	(1)		5001
		3-08-71	36.9	20.1	5001
11N/01E-22D01M	45.0	10-07-70	25.2	19.8	5001
		3-09-71	22.4	22.6	5001
11N/01E-23C01M	46.6	10-07-70	49.0	-2.4	5001
		3-09-71	29.9	16.7	5001
11N/01E-23P01M	56.0	10-07-70	64.2	-8.2	5001
		3-09-71	38.8	17.2	5001
11N/01E-24P03M	46.0	10-07-70	33.8	12.2	5001
		3-09-71	25.6	20.4	5001
11N/01E-24P04M	45.0	10-07-70	33.1	11.9	5001
		3-09-71	25.2	19.8	5001
11N/01E-25E01M	48.0	10-07-70	33.8	14.2	5001
		3-09-71	30.0	18.0	5001
11N/01E-25R01M	55.0	10-07-70	42.9	12.1	5001
		3-08-71	32.3	22.7	5001
11N/01E-26N01M	66.0	10-07-70	47.2	18.8	5001
		3-09-71	43.7	22.3	5001
11N/01E-26N02M	66.0	10-07-70	47.4	18.6	5001
		3-09-71	43.3	22.7	5001
11N/01E-27A01M	65.0	10-07-70	70.7	-5.7	5001
		3-09-71	(0)		5001
11N/01E-27N02M	63.0	10-07-70	69.0	-6.0	5001
		3-08-71	43.7	19.3	5001
11N/01E-35J01M	58.0	10-07-70	53.4	4.6	5001
		3-09-71	35.5	22.5	5001
11N/02E-16R01M	35.0	10-20-70	18.1	16:9	5050
		3-18-71	14.0	21.0	5050
11N/02E-17P01M	42.0	10-06-70	38.4	3.6	5001
		3-09-71	23.3	18.7	5001
11N/02E-18E01M	34.0	10-29-70	20.8	13.2	5050
		11-25-70	20.3	13.7	5050
		12-29-70	17.2	16.8	5050
		1-27-71	16.3	17.7	5050
		2-25-71	15.8	18.2	5050
		3-31-71	15.3	18.7	5050
		4-29-71	15.2	18.8	5050
		5-27-71	14.7	19.3	5050
		6-30-71	16.6	17.4	5050
		7-30-71	17.7	16.3	5050
		8-31-71	19.7	14.3	5050
		9-30-71	20.6	13.4	5050
11N/02E-18F02M	40.0	10-06-70	31.5	8.5	5001
		3-09-71	21.2	18.8	5001
11N/02E-18N01M	40.0	10-06-70	44.9	-4.9	5001
		3-09-71	24.9	15.1	5001
11N/02E-19A01M	45.0	3-09-71	23.7	21.3	5001
11N/02E-20K04M	50.0	10-20-70	43.9	6.1	5050
		3-18-71	34.4	15.6	5050
11N/02E-23M01M	29.0	10-06-70	15.8	13.2	5001
		3-08-71	9.6	19.4	5001
11N/02E-27E04M	37.0	10-06-70	(1)		5001
		3-09-71	17.6	19.4	5001
11N/02E-28C01M	42.0	10-06-70	35.6	6.4	5001
		3-09-71	20.4	21.6	5001
11N/02E-29A01M	44.0	10-06-70	33.8	10.2	5001
		3-09-71	20.9	23.1	5001
11N/02E-29D01M	55.0	3-09-71	32.8	22.2	5001
11N/02E-29N01M	52.0	10-06-70	45.9	6.1	5001
		3-09-71	30.4	21.6	5001

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
YOLO COUNTY 5-21.09 (Continued)					
11N/02E-35E01M	32.0	10-20-70	14.2	17.8	5050
		3-18-71	6.3	25.7	5050
11N/01W-19N01M	229.0	3-17-71	34.8	194.2	5050
11N/01W-28D01M	222.0	10-15-70	21.6	200.4	5050
		3-17-71	19.1	202.9	5050
11N/01W-30D01M	237.0	10-15-70	39.0	198.0	5050
		3-17-71	38.5	198.5	5050
11N/01W-34P01M	195.0	10-15-70	19.6	175.4	5050
		3-17-71	18.9	176.1	5050
11N/02W-23A01M	292.0	10-15-70	61.9	230.1	5050
		3-17-71	62.3	229.7	5050
11N/02W-24A01M	250.0	10-15-70	26.1	223.9	5050
		3-17-71	25.9	224.1	5050
11N/02W-26A01M	275.0	10-24-70	70.0	205.0	5104
		3-07-71	68.3	206.7	5104
11N/02W-26J01M	274.0	10-24-70	80.3	193.7	5104
		3-07-71	76.6	197.4	5104
11N/02W-35E01M	305.0	10-24-70	139.6	165.4	5104
		3-07-71	121.7	183.3	5104
12N/01E-10H01M	25.6	10-07-70	7.3	18.3	5001
		3-08-71	4.4	21.2	5001
12N/01E-15Q01M	20.7	10-06-70	18.0	2.7	5001
		3-08-71	7.4	13.3	5001
12N/02E-30F01M	26.0	10-06-70	10.3	15.7	5001
		3-08-71	9.4	16.6	5001
12N/01W-01G01M	35.0	10-06-70	(9)		5001
		3-08-71	16.7	18.3	5001
12N/01W-05B01M	137.9	10-06-70	118.7	19.2	5001
		10-29-70	121.1	16.8	5050
		11-25-70	(1)		5050
		12-29-70	118.0	19.9	5050
		1-27-71	116.9	21.0	5050
		2-25-71	116.3	21.6	5050
		3-08-71	116.1	21.8	5001
		3-31-71	115.9	22.0	5050
		4-29-71	116.6	21.3	5050
		5-27-71	118.5	19.4	5050
		6-30-71	122.7	15.2	5050
		7-30-71	124.7	13.2	5050
		8-31-71	124.7	13.2	5050
		9-30-71 (1)	128.7	9.2	5050
12N/01W-06J01M	165.0	10-06-70	(1)		5001
		3-08-71	123.2	41.8	5001
12N/01W-09E01M	110.2	10-06-70	99.9	10.3	5001
		3-08-71	85.8	24.4	5001
12N/01W-09R01M	79.2	10-06-70	66.8	12.4	5001
		3-08-71	65.4	13.8	5001
12N/01W-09R02M	80.0	3-09-71	67.1	12.9	5001
12N/01W-14M01M	43.5	10-06-70	48.0	-4.5	5001
		3-08-71	27.0	16.5	5001
12N/01W-15K01M	54.0	10-06-70	53.7	0.3	5001
		3-08-71	34.4	19.6	5001
12N/01W-22R01M	51.0	10-29-70	44.5	6.5	5050
		11-25-70	42.2	8.5	5050
		12-29-70	41.2	9.8	5050
		1-27-71	39.7	11.3	5050
		2-25-71	39.5	11.5	5050
		3-31-71	39.7	11.3	5050
		4-29-71	45.7	5.3	5050
		5-27-71	55.3	-4.3	5050
		6-30-71	57.1	-6.1	5050
		7-30-71	58.8	-7.8	5050
		8-31-71	60.6	-9.6	5050
		9-30-71	52.6	-1.6	5050
YOLO COUNTY 5-21.09 (Continued)					
12N/01W-24F01M	36.1	10-06-70	24.4	11.7	5001
		3-08-71	16.2	19.9	5001
12N/01W-26L02M	50.0	10-06-70	56.9	-6.9	5001
		3-08-71	38.2	11.8	5001
12N/01W-36K01M	40.0	10-06-70	56.3	-16.3	5001
		3-08-71	31.3	8.7	5001
CAPAY VALLEY 5-21.10					
10N/02W-07A01M	280.0	10-24-70	15.5	264.5	5104
		3-07-71	14.8	265.2	5104
10N/02W-18F01M	334.0	10-24-70	21.5	312.5	5104
		3-07-71	14.8	319.2	5104
10N/03W-02R01M	335.0	10-24-70	33.6	301.4	5104
		3-07-71	23.7	311.3	5104
10N/03W-13E01M	385.0	10-24-70	32.4	352.6	5104
		3-07-71	25.2	359.8	5104
10N/03W-24B01M	430.0	10-24-70	18.7	411.3	5104
		3-07-71	15.0	415.0	5104
11N/03W-03L01M	345.0	10-24-70	15.0	330.0	5104
		3-08-71	8.9	336.1	5104
11N/03W-04P01M	409.0	10-24-70	59.0	350.0	5104
		3-08-71	39.2	369.8	5104
11N/03W-09Q01M	415.0	10-24-70	(3)		5104
		3-08-71	13.6	401.4	5104
11N/03W-15G01M	330.0	10-24-70	23.7	306.3	5104
		3-08-71	19.0	311.0	5104
11N/03W-22B01M	327.0	10-24-70	26.9	300.1	5104
		3-07-71	21.9	305.1	5104
11N/03W-23N01M	317.0	10-24-70	21.7	295.3	5104
		3-08-71	20.1	296.9	5104
11N/03W-26M03M	308.0	10-24-70	29.6	278.4	5104
		3-08-71	26.1	281.9	5104
11N/03W-34C01M	370.0	10-24-70	35.2	334.8	5104
		3-08-71	39.4	330.6	5104
11N/03W-35J01M	292.0	10-24-70	(4)		5104
		3-07-71	12.8	279.2	5104
11N/03W-36M01M	286.0	10-24-70	17.6	268.4	5104
		3-07-71	(1)		5104
12N/03W-18G02M	435.0	10-24-70	42.8	392.2	5104
		3-07-71	36.0	399.0	5104
12N/03W-20D01M	402.0	10-24-70	(8)		5104
		3-08-71	22.6	379.4	5104
12N/03W-29K01M	400.0	10-24-70	(1)		5104
		3-08-71	(8)		5104
12N/03W-32Q01M	410.0	10-24-70	46.7	363.3	5104
		3-08-71	34.0	376.0	5104
12N/03W-33F01M	361.0	10-24-70	18.5	342.5	5104
		3-08-71	16.9	344.1	5104
12N/04W-12R01M	446.0	10-24-70	23.2	422.8	5104
		3-08-71	23.7	422.3	5104
SOLANO COUNTY 5-21.11					
04N/01E-12A01M	78.0	10-13-70	10.6	67.4	5050
		3-04-71	2.3	75.7	5050
04N/02E-09A01M	39.0	10-27-70	19.1	19.9	5109
		3-16-71	19.7	19.3	5109
05N/01E-02E01M	25.0	10-27-70	7.5	17.5	5109
		3-17-71	3.8	21.2	5109

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOLANO COUNTY 5-21.11 (Continued)					
05N/01E-03P01M	35.0	10-13-70	13.8	21.2	5050
		3-04-71	10.7	24.3	5050
05N/01E-06G01M	58.0	10-13-70	(6)		5050
05N/01E-11R01M	24.5	10-13-70	(1)		5050
		3-04-71	14.4	10.1	5050
05N/01E-21E01M	36.0	10-27-70	10.5	25.5	5109
		3-17-71	4.8	31.2	5109
05N/01E-22C01M	33.0	10-27-70	11.1	21.9	5109
		3-17-71	6.5	26.5	5109
05N/01E-26M02M	19.0	10-27-70	2.6	16.4	5109
		3-17-71	1.5	17.5	5109
05N/01E-36A01M	24.0	10-26-70	10.0	14.0	5109
		3-17-71	7.0	17.0	5109
05N/01E-36A02M	23.0	10-16-70	(7)		5050
		11-16-70	10.3	12.7	5050
		12-22-70	7.1	15.9	5050
		1-18-71	5.4	17.6	5050
		3-02-71	6.3	16.7	5050
		3-20-71	6.5	16.5	5050
		4-28-71	6.9	16.1	5050
		5-26-71	7.7	15.3	5050
		6-24-71	8.3	14.7	5050
		7-30-71	9.0	14.0	5050
		8-31-71	9.6	13.4	5050
		9-28-71	9.9	13.1	5050
05N/02E-06A01M	14.0	10-27-70	8.1	5.9	5109
		3-16-71	8.1	5.9	5109
05N/02E-07R01M	15.0	10-27-70	13.0	2.0	5109
		3-16-71	11.7	3.3	5109
05N/02E-19M01M	12.0	10-27-70	11.4	0.6	5109
		3-16-71	8.9	3.1	5109
05N/02E-31J01M	31.0	10-27-70	12.7	18.3	5109
		3-16-71	12.4	18.6	5109
05N/02E-33G01M	13.0	10-27-70	7.0	5.0	5109
		3-16-71 (1)	12.0	1.0	5109
05N/02E-36N01M	0.7	10-27-70	6.1	-5.4	5109
		3-16-71	5.3	-4.6	5109
05N/01W-02B01M	97.0	10-13-70	20.6	76.4	5050
		3-04-71	18.7	78.3	5050
05N/01W-12H01M	62.0	10-13-70	19.3	42.7	5050
		3-04-71	18.6	43.4	5050
06N/01E-02B01M	46.0	10-14-70	65.6	-19.6	5050
		3-05-71	33.0	13.0	5050
06N/01E-06D01M	77.0	10-26-70	11.0	66.0	5109
		3-16-71	11.3	65.7	5109
06N/01E-10H01M	52.0	10-14-70	11.7	40.3	5050
		3-05-71	10.6	41.4	5050
06N/01E-12M01M	40.0	10-16-70	22.5	17.5	5050
		11-16-70	25.0	15.0	5050
		12-22-70	22.7	17.3	5050
		1-18-71	22.3	17.7	5050
		3-02-71	23.1	16.9	5050
		3- 0-71	23.4	16.6	5050
		4-28-71	23.7	16.3	5050
		5-26-71	23.0	17.0	5050
		6-24-71	21.8	18.2	5050
		7-30-71	22.3	17.7	5050
		8-31-71	24.6	15.4	5050
		9-28-71	25.6	14.4	5050
06N/01E-12M03M	40.0	10-14-70	53.1	-13.1	5050
		3-05-71	38.7	1.3	5050
06N/01E-18N01M	72.7	10-27-70	7.4	65.3	5109
		3-16-71	5.7	67.0	5109
06N/01E-22D01M	44.6	10-27-70	0.7	43.9	5109
		3-16-71	5.3	39.3	5109
SOLANO COUNTY 5-21.11 (Continued)					
06N/01E-24L03M	32.0	10-14-70	11.3	20.7	5050
		3-05-71	10.3	21.7	5050
06N/01E-27G01M	43.0	10-27-70	9.6	33.4	5109
		3-17-71	10.7	32.3	5109
06N/01E-27G02M	41.2	10-27-70	14.9	26.3	5109
		3-17-71	13.9	27.3	5109
06N/01E-31A01M	60.0	10-14-70	15.8	44.2	5050
		3-04-71	15.1	44.9	5050
06N/01E-33L01M	43.0	10-16-70	10.8	32.2	5050
		10-27-70	8.2	34.8	5109
		11-16-70	10.5	32.5	5050
		12-22-70	8.3	34.7	5050
		1-18-71	10.0	33.0	5050
		3-02-71	10.3	32.7	5050
		3-17-71	10.0	33.0	5109
		3-30-71	10.0	33.0	5050
		4-28-71	10.0	33.0	5050
		5-26-71	10.0	33.0	5050
		6-24-71	10.3	32.7	5050
		7-30-71	10.4	32.6	5050
		8-31-71	10.6	32.4	5050
		9-28-71 (1)	15.0	28.0	5050
06N/02E-02M03M	25.0	10-14-70 (1)	35.8	-10.8	5050
		3-05-71	27.6	-2.6	5050
06N/02E-08B01M	25.7	10-09-70	55.2	-29.5	5001
		10-16-70	51.9	-26.2	5050
		11-16-70	47.2	-21.5	5050
		12-22-70	44.2	-18.5	5050
		1-18-71	42.1	-16.4	5050
		3-05-71	39.6	-13.9	5050
		3-09-71 (1)	46.5	-20.8	5001
		3-30-71	(1)		5050
		4-28-71	41.8	-16.1	5050
		5-26-71	(1)		5050
		6-24-71	(1)		5050
		7-30-71	(1)		5050
		8-31-71	(1)		5050
		9-28-71 (4)	52.2	-26.5	5050
06N/02E-09C01M	21.0	10-09-70	42.4	-21.4	5001
		3-09-71	34.1	-13.1	5001
06N/02E-13N01M	10.0	10-09-70	6.9	3.1	5001
		3-09-71	6.1	3.9	5001
06N/02E-14Q01M	12.0	10-16-70	16.7	-4.7	5050
		11-16-70	10.3	1.7	5050
		12-22-70	4.8	7.2	5050
		1-18-71	(6)		5050
06N/02E-20H02M	20.0	10-14-70	37.5	-17.5	5050
		3-05-71	28.8	-8.8	5050
06N/02E-26D01M	8.0	10-27-70	7.8	0.2	5109
		3-16-71	7.4	0.6	5109
06N/02E-29N01M	19.0	10-14-70	10.5	8.5	5050
		10-27-70	10.9	8.1	5109
		3-05-71	10.9	8.1	5050
		3-16-71	11.0	8.0	5109
06N/01W-01B01M	82.0	10-16-70	23.7	58.3	5050
		10-26-70	21.4	60.6	5109
		11-16-70	20.7	61.3	5050
		12-22-70	18.3	63.7	5050
		1-18-71	17.7	64.3	5050
		3-02-71	17.5	64.5	5050
		3-16-71	16.9	65.1	5109
		3-30-71	17.6	64.4	5050
		4-28-71	18.6	63.4	5050
		5-26-71	18.0	64.0	5050
		6-24-71	43.0	39.0	5050
		7-30-71	22.3	59.7	5050
		8-31-71	23.6	58.4	5050
06N/01W-09L02M	175.0	10-26-70	FLOW		5109
		3-16-71	FLOW		5109
06N/01W-10R01M	100.0	10-14-70	34.3	65.7	5050
		3-04-71	31.5	68.5	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOLANO COUNTY 5-21.11 (Continued)					
06N/01W-10R04M	100.0	10-14-70	31.3	68.7	5050
		3-04-71	28.7	71.3	5050
06N/01W-12Q01M	77.0	10-14-70	9.7	67.3	5050
		3-04-71	8.5	68.5	5050
06N/01W-13R01M	74.5	10-14-70	7.2	67.3	5050
		3-04-71	5.6	68.9	5050
06N/01W-15N01M	130.0	10-14-70	127.8	2.2	5050
		3-04-71	123.0	7.0	5050
06N/01W-15P01M	123.0	10-14-70	114.1	8.9	5050
		3-04-71	110.9	12.1	5050
06N/01W-20D01M	201.0	10-26-70	19.2	181.8	5109
		3-16-71	15.0	186.0	5109
06N/01W-21A01M	138.0	10-26-70	27.0	111.0	5109
		3-16-71	25.0	113.0	5109
06N/01W-21R01M	135.0	10-26-70	13.1	121.9	5109
		3-16-71	(6)		5109
06N/01W-23B01M	93.0	10-26-70	21.5	71.5	5109
		3-16-71	22.1	70.9	5109
06N/01W-23C01M	100.0	10-26-70	27.0	73.0	5109
		3-16-71	28.0	72.0	5109
06N/01W-24N01M	88.0	10-14-70	27.2	60.8	5050
		3-04-71	28.7	59.3	5050
06N/01W-24N02M	90.0	10-14-70	88.3	1.7	5050
		3-04-71	82.0	8.0	5050
07N/01E-01M02M	64.0	10-12-70	23.6	40.4	5001
		3-15-71	26.3	37.7	5001
07N/01E-03G01M	82.0	10-12-70	39.2	42.8	5001
		3-16-71	34.6	47.4	5001
07N/01E-04P03M	89.0	10-12-70	19.7	69.3	5001
		3-09-71	25.6	63.4	5001
07N/01E-05F01M	91.3	10-12-70	22.1	69.2	5001
		3-16-71	22.8	68.5	5001
07N/01E-08F03M	86.0	10-12-70	12.7	73.3	5001
		3-16-71	12.1	73.9	5001
07N/01E-10E01M	78.5	10-12-70	18.3	60.2	5001
		3-09-71	22.5	56.0	5001
07N/01E-11M01M	75.0	10-12-70	28.1	46.9	5001
		3-09-71	30.0	45.0	5001
07N/01E-12N02M	64.0	10-12-70	29.2	34.8	5001
		10-16-70	29.1	34.9	5050
		11-16-70	29.5	34.5	5050
		12-22-70	28.4	35.6	5050
		1-18-71	28.3	35.7	5050
		3-02-71	28.7	35.3	5050
		3-09-71	28.8	35.2	5001
		3-30-71	29.2	34.8	5050
		4-28-71	29.2	34.8	5050
		5-26-71	26.8	37.2	5050
		6-24-71	26.7	37.3	5050
		7-30-71	27.6	36.4	5050
		8-31-71	29.0	35.0	5050
		9-28-71	30.0	34.0	5050
07N/01E-16A01M	79.0	10-12-70	18.5	60.5	5001
		3-09-71	20.2	58.8	5001
07N/01E-17R01M	77.0	10-12-70	10.1	66.9	5001
		3-16-71	9.9	67.1	5001
07N/01E-21A01M	74.0	10-12-70	21.6	52.4	5001
		3-09-71	19.3	54.7	5001
07N/01E-21A02M	74.0	10-12-70	14.8	59.2	5001
		3-09-71	12.9	61.1	5001
07N/01E-22D03M	71.0	10-12-70	50.3	20.7	5001
		3-09-71	(1)		5001
SOLANO COUNTY 5-21.11 (Continued)					
07N/01E-24N03M	55.0	10-12-70	35.9	19.1	5001
		3-09-71	33.3	21.7	5001
07N/01E-26Q02M	55.0	10-12-70	68.6	-13.6	5001
		3-09-71	35.1	19.1	5001
07N/01E-29P01M	74.0	10-13-70	10.6	63.4	5001
		3-16-71	8.4	65.6	5001
07N/01E-30M01M	87.0	10-12-70	12.1	74.9	5001
		3-16-70	10.5	76.5	5001
07N/01E-33A01M	65.0	10-12-70	54.4	10.6	5001
		3-09-71	30.5	34.5	5001
07N/01E-33R01M	60.0	10-16-70	9.0	51.0	5050
		11-16-70	10.4	49.6	5050
		12-22-70	5.4	54.6	5050
		1-18-71	6.2	53.8	5050
		3-02-71	7.8	52.2	5050
		3-30-71	8.5	51.5	5050
		4-28-71	7.3	52.7	5050
		5-26-71	5.1	54.9	5050
		6-24-71	4.9	55.1	5050
		7-30-71	5.3	54.7	5050
		8-31-71	6.1	53.9	5050
		9-28-71	7.3	52.7	5050
07N/02E-02B02M	34.0	10-09-70	78.9	-44.9	5001
		3-08-71	52.4	-18.4	5001
07N/02E-04A02M	50.0	10-09-70	95.3	-45.3	5001
		3-09-71	65.9	-15.9	5001
07N/02E-04M03M	52.5	10-09-70	83.8	-31.3	5001
		3-09-71	66.2	-13.7	5001
07N/02E-07G03M	55.0	10-12-70	38.5	16.5	5001
		3-09-71	34.6	20.4	5001
07N/02E-09F01M	51.0	10-09-70	(9)		5001
		3-09-71	64.1	-13.1	5001
07N/02E-12C01M	27.0	10-09-70	77.2	-50.2	5001
		3-08-71	55.7	-28.7	5001
07N/02E-12C02M	28.0	10-09-70	79.1	-51.1	5001
		3-08-71	55.1	-27.1	5001
07N/02E-14F02M	31.0	10-09-70	73.3	-42.3	5001
		3-08-71	61.2	-30.2	5001
07N/02E-14M01M	34.0	10-09-70	78.4	-44.4	5001
		3-08-71	61.7	-27.7	5001
07N/02E-19E02M	50.3	10-09-70	54.5	-4.2	5001
		3-09-71	42.5	7.8	5001
07N/02E-21F02M	46.0	10-09-70	83.4	-37.4	5001
		3-09-71	64.3	-18.3	5001
07N/02E-24N02M	23.0	10-16-70	30.6	-7.6	5050
		11-16-70	31.0	-8.0	5050
		12-22-70	30.5	-7.5	5050
		1-18-71	30.1	-7.1	5050
		3-02-71	29.8	-6.8	5050
		3-30-71	29.6	-6.6	5050
		4-28-71	29.3	-6.3	5050
		5-26-71	29.1	-6.1	5050
		6-24-71	29.4	-6.4	5050
		7-30-71	29.7	-6.7	5050
		8-31-71	30.2	-7.2	5050
		9-28-71	30.8	-7.8	5050
07N/02E-26Q01M	27.5	10-09-70	50.0	-22.5	5001
		3-08-71	38.9	-11.4	5001
07N/02E-26Q02M	27.5	10-09-70	61.0	-33.5	5001
		3-08-71	39.6	-12.1	5001
07N/02E-30N03M	43.0	10-09-70	59.1	-16.1	5001
		3-09-71	44.3	-1.3	5001
07N/02E-33D02M	33.0	10-09-70	72.1	-39.1	5001
		3-09-71	47.9	-14.9	5001

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOLANO COUNTY 5-21.11 (Continued)					
07N/02E-34C02M	35.0	10-09-70	71.3	-36.3	5001
		3-08-71	50.5	-15.5	5001
07N/01W-01E02M	103.0	10-07-70	22.6	80.4	5001
		3-16-71	21.1	81.9	5001
07N/01W-01E03M	103.0	10-07-70	24.4	78.6	5001
		3-16-71	(9)		5001
07N/01W-04D01M	145.0	10-06-70	50.0	95.0	5001
		3-11-71	44.3	100.7	5001
07N/01W-05R01M	170.0	10-06-70	98.1	71.9	5001
		3-11-71	57.5	112.5	5001
07N/01W-06E01M	157.0	10-06-70	50.8	106.2	5001
		3-11-71	48.1	108.9	5001
07N/01W-13A01M	103.0	10-12-70	(6)		5001
07N/01W-13H01M	105.0	10-12-70	14.9	90.1	5001
		3-16-71	14.1	90.9	5001
07N/01W-15G01M	128.0	10-13-70	27.9	100.1	5001
		3-16-71	18.7	109.3	5001
07N/01W-16C01M	230.0	10-13-70	116.9	113.1	5001
		3-16-71	119.7	110.3	5001
07N/01W-17Q01M	225:0	10-13-70	46.9	178.1	5001
		3-16-71	50.1	174.9	5001
07N/01W-21G01M	154.0	10-13-70	59.4	94.6	5001
		3-16-71	57.9	96.1	5001
07N/01W-21Q01M	150.0	10-13-70	DRY		5001
		3-16-71	(3)		5001
07N/01W-34K01M	125.0	10-26-70	61.6	63.4	5109
		3-16-71	60.1	64.9	5109
07N/01W-35R01M	91.0	10-13-70	13.0	78.0	5001
		3-16-71	12.1	78.9	5001
08N/01E-15P01M	84.0	10-07-70	41.8	42.2	5001
		3-15-71	32.0	52.0	5001
08N/01E-17K01M	100.0	10-07-70	39.8	60.2	5001
		3-15-71	36.4	63.6	5001
08N/01E-19K01M	104.0	10-07-70	42.2	61.8	5001
		3-15-71	37.6	66.4	5001
08N/01E-20G01M	98.0	10-07-70	39.9	58.1	5001
		3-15-71	34.6	63.4	5001
08N/01E-22N01M	83.0	10-07-70	(9)		5001
		3-15-71	25.7	57.3	5001
08N/01E-23C01M	84.2	10-08-70	47.0	37.2	5001
		3-15-71	41.6	42.6	5001
08N/01E-23Q01M	73.0	10-08-70	39.6	33.4	5001
		3-15-71	34.3	38.7	5001
08N/01E-24Q01M	68.0	10-08-70	66.3	1.7	5001
		3-15-71	44.3	23.7	5001
08N/01E-27G02M	80.0	10-07-70	31.6	48.4	5001
		3-15-71	29.2	50.8	5001
08N/01E-28G01M	92.0	10-07-70	37.2	54.8	5001
		3-15-71	33.0	59.0	5001
08N/01E-29D01M	103.0	10-07-70	40.3	62.7	5001
		3-15-71	36.0	67.0	5001
08N/01E-30G02M	110.0	10-07-70	42.8	67.2	5001
		3-16-71	39.8	70.2	5001
08N/01E-32E01M	100.0	10-07-70	34.5	65.5	5001
		3-16-71 (1)	31.1	68.9	5001
08N/01E-33A01M	84.0	10-07-70	21.9	62.1	5001
		3-15-71	22.4	61.6	5001
SOLANO COUNTY 5-21.11 (Continued)					
08N/01E-33H01M	82.0	10-07-70	22.4	59.6	5001
		3-15-71	22.7	59.3	5001
08N/01E-33Q02M	86.0	10-16-70	20.4	65.6	5050
		11-16-70	22.8	63.2	5050
		12-22-70	23.9	62.1	5050
		1-18-71	24.4	61.6	5050
		3-02-71	25.2	60.8	5050
		3-30-71	23.0	63.0	5050
		4-28-71	20.5	65.5	5050
		5-26-71	(1)		5050
		6-24-71	18.9	67.1	5050
		7-30-71	19.4	66.6	5050
		8-31-71	20.8	65.2	5050
		9-28-71	22.0	64.0	5050
08N/01E-33Q03M	85.7	10-07-70	17.5	68.2	5001
		3-16-71	20.6	65.1	5001
08N/01E-35K01M	73.0	10-08-70	66.8	6.2	5001
		3-15-71	44.5	28.5	5001
08N/02E-19F01M	70.0	10-08-70	58.3	11.7	5001
		3-12-71	48.0	22.0	5001
08N/02E-24N01M	37.5	10-08-70	54.4	-16.9	5001
		3-08-71	38.4	-0.9	5001
08N/02E-25B01M	35.0	10-08-70	54.3	-19.3	5001
		10-16-70	50.3	-15.3	5050
		11-16-70	42.9	-7.9	5050
		12-22-70	(9)		5050
		1-18-71	34.7	0.3	5050
		3-02-71	37.0	-2.0	5050
		3-08-71	37.5	-2.5	5001
		3-30-71	(9)		5050
		4-28-71	61.7	-26.7	5050
		5-26-71	(9)		5050
		6-24-71	(9)		5050
		7-30-71	(8)		5050
		8-31-71	(8)		5050
		9-28-71	(8)		5050
08N/02E-27C01M	50.0	10-08-70	58.6	-8.6	5001
		3-08-71	41.5	8.5	5001
08N/02E-27Q02M	45.0	10-08-70	68.5	-23.5	5001
		3-08-71	46.4	-1.4	5001
08N/02E-29K01M	55.0	10-08-70	56.9	-1.9	5001
		3-12-71	41.8	13.2	5001
08N/02E-30H02M	62.0	10-08-70	58.5	3.5	5001
		3-12-71	49.9	12.1	5001
08N/02E-31D01M	65.0	10-08-70	58.1	6.9	5001
		3-12-71	42.4	22.6	5001
08N/02E-32M01M	60.3	10-08-70	68.0	-7.7	5001
		3-09-71	49.5	10.8	5001
08N/02E-35F03M	41.0	10-08-70	78.8	-37.8	5001
		3-08-71	48.1	-7.1	5001
08N/02E-35G02M	35.0	10-08-70	78.6	-43.6	5001
		3-08-71	47.9	-12.9	5001
08N/01W-22P01M	129.0	10-06-70	52.8	76.2	5001
		3-11-71	45.0	84.0	5001
08N/01W-22R02M	125.5	10-07-70	46.6	78.9	5001
		3-16-71	40.7	84.8	5001
08N/01W-23B01M	123.1	10-07-70	40.9	82.2	5001
		3-16-71	36.7	86.4	5001
08N/01W-24P01M	117.0	10-07-70	42.8	74.2	5001
		3-16-71	42.8	74.2	5001
08N/01W-25A02M	114.0	10-07-70	43.8	70.2	5001
		3-16-71 (4)	48.7	65.3	5001
08N/01W-26A01M	120.0	10-07-70	46.5	73.5	5001
		3-16-71	47.6	72.4	5001

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOLANO COUNTY 5-21.11 (Continued)					
08N/01W-26D05M	126.2	10-07-70	46.6	79.6	5001
		3-16-71	41.3	84.9	5001
08N/01W-26K02M	116.0	10-07-70	40.0	76.0	5001
		3-16-71	34.5	81.5	5001
08N/01W-27H01M	123.0	10-07-70	43.7	79.3	5001
		3-11-71	39.1	83.9	5001
08N/01W-27L01M	133.0	10-06-70	45.5	87.5	5001
		3-11-71	40.6	92.4	5001
08N/01W-28J01M	138.0	10-06-70	47.5	90.5	5001
		10-16-70	47.2	90.8	5050
		11-16-70	45.9	92.1	5050
		12-22-70	44.0	94.0	5050
		1-18-71	44.2	93.8	5050
		3-02-71	43.0	95.0	5050
		3-11-71	43.4	94.6	5001
		3-30-71	41.5	96.5	5050
		4-28-71 (2)	41.1	96.9	5050
		5-26-71	51.6	86.4	5050
		6-24-71	52.5	85.5	5050
		7-30-71 (2)	58.7	79.3	5050
		8-31-71	52.4	85.6	5050
		9-28-71	51.3	86.7	5050
08N/01W-28J02M	138.0	10-06-70	46.4	91.6	5001
		3-11-71	44.3	93.7	5001
08N/01W-28K01M	105.5	10-06-70	7.1	98.4	5001
		3-11-71	4.9	100.6	5001
08N/01W-28R03M	140.0	10-06-70	47.0	93.0	5001
		3-11-71	43.4	96.6	5001
08N/01W-32H01M	140.0	10-06-70	40.8	99.2	5001
		3-11-71	38.2	101.8	5001
08N/01W-33A01M	134.7	10-06-70	42.6	92.1	5001
		3-11-71	42.5	92.2	5001
08N/01W-33B02M	136.0	10-06-70	44.5	91.5	5001
		3-11-71	42.3	93.7	5001
08N/01W-33H01M	130.8	10-06-70	41.3	89.5	5001
		3-11-71	35.1	95.7	5001
08N/01W-34A01M	120.0	10-07-70	43.1	76.9	5001
		3-11-71	40.6	79.4	5001
08N/01W-34H01M	121.0	10-07-70	40.0	81.0	5001
		3-16-71	36.2	84.8	5001
08N/01W-35G02M	111.0	10-07-70	33.7	77.3	5001
		3-16-71	31.7	79.3	5001
08N/01W-36H01M	102.0	10-07-70	26.8	75.2	5001
		3-16-71	25.6	76.4	5001
SAN JOAQUIN VALLEY 5-22.00					
MOKELUMNE RIVER AREA 5-22.01					
02N/06E-01A01M	37.6	10-15-70	37.4	0.2	5050
		3-11-71	38.1	-0.5	5050
02N/06E-03D03M	22.0	10-13-70	25.4	-3.4	5110
		3-15-71	28.9	-6.9	5110
02N/06E-08F01M	9.6	10-13-70	21.1	-11.5	5110
		3-15-71	18.8	-9.2	5110
02N/06E-09C02M	18.0	10-21-70	28.5	-10.5	5050
		3-10-71 (1)	51.6	-33.6	5050
02N/06E-11E11M	23.5	10-01-70	19.1	4.4	8201
		3-02-71	25.7	-2.2	8201
02N/06E-12H01M	31.8	10-15-70	32.1	-0.3	5050
		3-11-71	36.0	-4.2	5050
02N/06E-13M01M	26.7	10-16-70	31.5	-4.8	5110
		3-09-71	37.0	-10.3	5110
MOKELUMNE RIVER AREA 5-22.01 (Continued)					
02N/06E-13R02M	30.0	10-16-70	44.0	-14.0	5110
		3-09-71	46.5	-16.5	5110
02N/06E-15J01M	20.3	10-13-70	(3)		5110
		3-15-71	32.7	-12.4	5110
02N/06E-16L01M	11.5	10-13-70	39.2	-27.7	5110
		3-15-71	30.7	-19.2	5110
02N/06E-17J01M	11.2	10-13-70	39.6	-28.4	5050
		3-10-71	32.3	-21.1	5050
02N/06E-20A01M	7.5	10-13-70	40.5	-33.0	5050
		3-10-71	30.9	-23.4	5050
02N/06E-20F01M	14.8	10-13-70	29.6	-14.8	5050
		3-10-71	21.3	-6.5	5050
02N/06E-21K01M	13.0	10-24-70	68.0	-55.0	4701
		3-01-71	62.0	-49.0	4701
02N/06E-21P01M	11.0	10-24-70 (6)	32.0	-21.0	4701
		3-01-71	39.0	-28.0	4701
02N/06E-22B01M	17.0	10-24-70	52.0	-35.0	4701
		3-01-71	47.0	-30.0	4701
02N/06E-22D01M	17.2	10-13-70	51.2	-34.0	5050
		3-10-71	45.2	-28.0	5050
02N/06E-24J02M	30.1	10-16-70	52.4	-22.3	5110
		3-09-71	53.4	-23.3	5110
02N/06E-24J03M	26.8	10-15-70	49.0	-22.2	5050
		3-11-71	47.0	-20.2	5050
02N/06E-26H01M	22.8	10-16-70	61.5	-38.7	5110
		3-09-71	52.8	-30.0	5110
02N/06E-27B01M	16.0	10-24-70	54.0	-38.0	4701
		3-01-71	51.0	-35.0	4701
02N/06E-28E03M	7.2	10-30-70	31.3	-24.1	5050
		11-30-70	28.0	-20.8	5050
		12-30-71	26.4	-19.2	5050
		1-28-71	25.9	-18.7	5050
		2-28-71	26.4	-19.2	5050
		3-31-71	26.7	-19.5	5050
		4-29-71	31.0	-23.8	5050
		5-30-71	32.7	-25.5	5050
		6-30-71	38.8	-31.6	5050
		7-30-71	40.8	-33.6	5050
		8-30-71	40.7	-33.5	5050
		9-29-71	37.7	-30.5	5050
02N/06E-28P01M	7.0	10-21-70	27.1	-20.1	5050
		3-10-71	23.0	-16.0	5050
02N/06E-29N01M	1.0	10-21-70	12.2	-11.2	5050
		3-10-71	9.2	-8.2	5050
03N/05E-13L01M	12.0	10-13-70	18.5	-6.5	5110
		3-15-71	13.5	-1.5	5110
03N/05E-14C01M	6.7	10-13-70	8.0	-1.3	5110
		3-15-71	6.5	0.2	5110
03N/05E-24L01M	8.0	10-21-70	14.8	-6.8	5050
		3-10-71	10.2	-2.2	5050
03N/06E-01J01M	51.8	10-01-70	34.9	16.9	8201
		3-01-71	34.5	17.3	8201
03N/06E-01N02M	46.8	10-01-70	37.4	9.4	8201
		3-01-71	34.0	12.8	8201
03N/06E-01R13M	53.1	10-01-70	43.8	9.3	8201
		3-01-71	40.2	12.9	8201
03N/06E-03K11M	41.0	10-14-70	30.5	10.5	5050
		3-11-71	27.9	13.1	5050
03N/06E-04C01M	35.0	10-21-70	18.7	16.3	5050
		3-10-71	19.9	15.1	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
MOKELUMNE RIVER AREA 5-22.01 (Continued)					
03N/06E-07H03M	23.4	10-13-70	22.4	1.0	5110
		3-15-71	20.4	3.0	5110
03N/06E-09F06M	32.0	10-13-70	28.5	3.5	5110
		3-15-71	27.0	5.0	5110
03N/06E-12P01M	45.0	10-13-70	(3)		5110
		3-15-71	43.5	1.5	5110
03N/06E-12Q32M	48.8	10-01-70	50.0	-1.2	8201
		3-01-71	45.4	3.4	8201
03N/06E-13R08M	45.6	10-15-70	49.7	-4.1	5050
		3-12-71	45.1	0.5	5050
03N/06E-17D11M	23.8	10-01-70	30.9	-7.1	8201
		3-01-71	25.5	-1.7	8201
03N/06E-20Q01M	18.0	10-13-70	40.5	-22.5	5110
		3-15-71	28.5	-10.5	5110
03N/06E-22D01M	27.0	10-13-70	32.8	-5.8	5110
		3-15-71	27.0	0.0	5110
03N/06E-24M01M	39.9	10-22-70	43.3	-3.4	5050
		3-11-71	41.0	-1.1	5050
03N/06E-25H11M	41.0	10-05-70	49.3	-8.3	8201
		3-02-71	42.9	-1.9	8201
03N/06E-25R05M	39.6	10-15-70	46.9	-7.3	5050
		3-12-71	42.2	-2.6	5050
03N/06E-26P02M	32.4	10-13-70	33.6	-1.2	5110
		2-17-71	32.7	-0.3	5050
		3-15-71	33.1	-0.7	5110
03N/06E-27E01M	25.3	10-13-70	33.3	-8.0	5110
		3-15-71	30.5	-5.2	5110
03N/06E-29C01M	17.2	10-13-70	40.5	-23.3	5110
		3-15-71	26.5	-9.3	5110
03N/06E-30R01M	12.0	10-13-70	32.2	-20.2	5110
		3-15-71	20.0	-8.0	5110
03N/06E-32R01M	15.0	10-13-70	31.6	-16.6	5110
		3-15-71	24.0	-9.0	5110
03N/06E-35P02M	28.4	10-14-70	23.8	4.6	5050
		3-11-71	27.3	1.1	5050
03N/06E-36R02M	38.0	10-05-70	39.0	-1.0	8201
		3-02-71	39.0	-1.0	8201
03N/07E-02C02M	84.6	10-08-70	57.5	27.1	8201
		3-02-71	56.1	28.5	8201
03N/07E-02G01M	84.0	10-15-70	80.0	4.0	5050
		3-12-71	73.9	10.1	5050
03N/07E-03C01M	83.2	10-06-70	DRY		8201
		1-07-71	DRY		8201
03N/07E-03R01M	74.8	10-13-70	72.1	2.7	5110
		3-15-71	67.1	7.7	5110
03N/07E-06Q04M	57.0	10-13-70	50.0	7.0	5110
		3-15-71	43.0	14.0	5110
03N/07E-08B12M	64.4	10-05-70	56.3	8.1	8201
		3-02-71	51.8	12.6	8201
03N/07E-08E02M	60.0	10-13-70	63.0	-3.0	5110
		3-15-71	56.0	4.0	5110
03N/07E-09C01M	68.3	10-13-70	66.0	2.3	5110
		3-15-71	62.0	6.3	5110
03N/07E-10L04M	72.8	10-06-70	74.0	-1.2	8201
		11-09-70	71.7	1.1	8201
		12-01-70	70.5	2.3	8201
		1-07-71	69.1	3.7	8201
		2-02-71	68.0	4.8	8201
		3-02-71	67.9	4.9	8201
		4-02-71	70.9	1.9	8201
		5-05-71	73.5	-0.7	8201
MOKELUMNE RIVER AREA 5-22.01 (Continued)					
03N/07E-10L04M (Continued)	72.8	6-02-71	73.9	-1.1	8201
		7-02-71	77.1	-4.3	8201
		8-04-71	82.1	-9.3	8201
		9-02-71	80.0	-7.2	8201
03N/07E-12P01M	77.0	10-22-70	85.7	-8.7	5050
		3-11-71	82.6	-5.6	5050
03N/07E-17K02M	57.0	10-13-70	60.2	-3.2	5110
		3-15-71	55.0	2.0	5110
03N/07E-18D12M	50.0	10-19-70	51.0	-1.0	5050
		3-10-71	47.1	2.9	5050
03N/07E-18N12M	47.4	10-05-70	52.5	-5.1	8201
		3-02-71	46.2	1.2	8201
03N/07E-19N02M	42.0	10-15-70	50.7	-8.7	5050
		3-11-71	44.6	-2.6	5050
03N/07E-20P02M	49.9	10-13-70	61.7	-11.8	5110
		3-12-71	59.5	-9.6	5110
03N/07E-22C11M	66.6	10-06-70	76.7	-10.1	8201
		3-02-71	70.7	-4.1	8201
03N/07E-23C02M	72.0	10-13-70	80.0	-8.0	5110
		3-15-71	(4)		5110
03N/07E-25C01M	70.1	10-15-70	84.8	-14.7	5110
		3-10-71	82.3	-12.2	5110
03N/07E-25G01M	75.7	10-15-70	87.5	-11.8	5110
		3-10-71	82.0	-6.3	5110
03N/07E-27F13M	61.1	10-05-70	73.0	-11.9	8201
		3-02-71	68.2	-7.1	8201
03N/07E-31B01M	41.0	10-13-70	53.5	-12.5	5110
		3-12-71	47.5	-6.5	5110
03N/07E-31R11M	43.2	10-05-70	55.9	-12.7	8201
		1-05-71	50.8	-7.6	8201
03N/08E-03R01M	146.0	10-15-70	96.5	49.5	5110
		3-11-71	94.0	52.0	5110
03N/08E-04Q01M	120.6	10-08-70	120.3	0.3	8201
		1-08-71	118.1	2.5	8201
03N/08E-05B02M	108.0	10-08-70	110.7	-2.7	8201
		1-08-71	104.2	3.8	8201
03N/08E-05K11M	107.5	10-08-70	115.1	-7.6	8201
		1-08-71	108.5	-1.0	8201
03N/08E-07D02M	86.0	10-22-70	(1)		5050
		3-11-71	(1)		5050
03N/08E-08E01M	95.8	10-15-70	(9)		5110
		3-10-71	94.3	1.5	5110
03N/08E-09Q11M	126.3	10-08-70	(1)		8201
		1-08-71	129.5	-3.2	8201
03N/08E-15L01M	127.7	10-08-70	134.9	-7.2	8201
		1-08-71	129.6	-1.9	8201
03N/08E-19C01M	84.5	10-15-70	98.3	-13.8	5110
		3-10-71	93.3	-8.8	5110
03N/08E-20B01M	97.0	10-15-70	112.1	-15.1	5050
		3-12-71	105.2	-8.2	5050
03N/08E-20K01M	92.7	10-06-70	104.4	-11.7	8201
		1-06-71	101.7	-9.0	8201
03N/08E-22A01M	136.5	10-15-70	(9)		5110
		3-11-71	134.6	1.9	5110
03N/08E-30H01M	84.9	10-15-70	97.8	-12.9	5110
		3-10-71	89.6	-4.7	5110
04N/05E-01H11M	19.9	10-16-70	22.2	-2.3	5050
		3-10-71	18.0	1.9	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
MOKELUMNE RIVER AREA 5-22.01 (Continued)					
04N/05E-03D02M	7.8	10-16-70	15.5	-7.7	5110
		3-16-71	12.2	-4.4	5110
04N/05E-05C02M	5.0	10-16-70	14.0	-9.0	5110
		3-16-71	(4)		5110
04N/05E-05H01M	4.0	10-16-70	6.0	-2.0	5110
		3-16-71	4.3	-0.3	5110
04N/05E-09D01M	0.0	10-16-70	5.3	-5.3	5110
		3-16-71	2.7	-2.7	5110
04N/05E-10K01M	6.3	10-16-70	7.8	-1.5	5110
		3-16-71	5.3	1.0	5110
04N/05E-13H01M	19.6	10-16-70	17.6	2.0	5110
		3-16-71	9.8	9.8	5110
04N/05E-22A01M	8.2	10-16-70	4.1	4.1	5110
		3-16-71	3.9	4.3	5110
04N/05E-24C02M	14.0	10-16-70	9.0	5.0	5110
		3-16-71	5.5	8.5	5110
04N/05E-26K02M	13.0	10-14-70	6.4	6.6	5050
		10-16-70	6.5	6.5	5110
		3-11-71	5.9	7.1	5050
		3-16-71	5.8	7.2	5110
04N/05E-36H03M	21.0	2-17-71	10.4	10.6	5050
		3-16-71	9.7	11.3	5110
04N/06E-03A12M	48.3	10-02-70	(1)		8201
		1-05-71	47.6	0.7	8201
04N/06E-05Q01M	30.0	10-16-70	40.2	-10.2	5050
		3-10-71	27.7	2.3	5050
04N/06E-05R11M	34.0	10-16-70	45.2	-11.2	5050
		3-10-71	31.6	2.4	5050
04N/06E-06N12M	21.0	10-16-70	23.9	-2.9	5050
		3-10-71	18.3	2.7	5050
04N/06E-07B11M	26.0	10-16-70	27.6	-1.6	5050
		3-10-71	21.0	5.0	5050
04N/06E-11B01M	47.0	10-14-70	74.4	-27.4	5001
		3-17-71	68.6	-21.6	5001
04N/06E-12C04M	55.0	10-15-70	75.0	-20.0	5110
		3-12-71	67.5	-12.5	5110
04N/06E-12N02M	52.0	10-15-70	69.3	-17.3	5110
		3-12-71	62.8	-10.8	5110
04N/06E-12R11M	57.9	10-05-70	78.2	-20.3	8201
		3-02-71	66.8	-8.9	8201
04N/06E-13G01M	56.0	10-15-70	65.0	-9.0	5110
		2-17-71	58.4	-2.4	5050
		3-12-71	57.2	-1.2	5110
04N/06E-15B02M	40.0	10-15-70	44.7	-4.7	5110
		3-12-71	39.7	0.3	5110
04N/06E-17D01M	23.8	10-16-70	21.0	2.8	5110
		3-16-71	14.9	8.9	5110
04N/06E-19F01M	21.8	10-21-70	13.7	8.1	5050
		3-10-71	9.7	12.1	5050
04N/06E-19R11M	26.7	10-02-70	14.8	11.9	8201
		3-01-71	12.8	13.9	8201
04N/06E-21D01M	31.0	10-21-70	19.9	11.1	5050
		3-10-71	18.2	12.8	5050
04N/06E-22M01M	38.2	10-16-70	26.5	11.7	5110
		3-12-71	23.5	14.7	5110
04N/06E-23M01M	45.2	10-02-70	38.7	6.5	8201
		3-01-71	34.4	10.8	8201
04N/06E-24F01M	55.0	10-15-70	57.5	-2.5	5110
		3-12-71	48.8	6.2	5110
MOKELUMNE RIVER AREA 5-22.01 (Continued)					
04N/06E-25R01M	55.0	10-15-70	(1)		5110
		3-12-71	42.0	13.0	5110
04N/06E-27D02M	34.5	10-16-70	15.5	19.0	5110
		3-12-71	8.2	26.3	5110
04N/06E-29A01M	33.0	10-16-70	13.2	19.8	5110
		3-12-71	13.7	19.3	5110
04N/06E-29N02M	26.0	10-16-70	16.0	10.0	5110
		3-16-71	13.5	12.5	5110
04N/06E-31P01M	24.0	10-16-70	13.5	10.5	5110
		3-16-71	12.3	11.7	5110
04N/06E-33B04M	36.0	10-21-70	15.6	20.4	5050
		3-10-71	17.1	18.9	5050
04N/06E-34R30M	43.2	10-01-70	24.4	18.8	8201
		3-01-71	22.7	20.5	8201
04N/06E-36D02M	49.1	10-02-70	29.1	20.0	8201
		3-02-71	29.1	20.0	8201
04N/07E-01B01M	105.0	10-21-70	107.7	-2.7	5001
		3-19-71	102.9	2.1	5001
04N/07E-03B01M	93.2	10-21-70	110.4	-17.2	5001
		3-19-71	100.0	-6.8	5001
04N/07E-04B12M	85.0	10-28-70	(3)		5110
		3-12-71	89.2	-4.2	5110
04N/07E-04Q12M	83.4	10-07-70	(1)		8201
		1-07-71	89.4	-6.0	8201
04N/07E-07A01M	68.0	10-15-70	100.0	-32.0	5110
		3-12-71	(1)		5110
04N/07E-07H11M	67.6	10-02-70	85.1	-17.5	8201
		1-05-71	79.2	-11.6	8201
04N/07E-09D12M	77.4	10-07-70	94.9	-17.5	8201
		1-07-71	86.0	-8.6	8201
04N/07E-12E01M	105.7	10-19-70	118.2	-12.5	5110
		3-11-71	110.2	-4.5	5110
04N/07E-14E01M	93.1	10-19-70	85.0	8.1	5110
		3-12-71	83.0	10.1	5110
04N/07E-14Q02M	98.0	10-22-70	100.8	-2.8	5050
		3-11-71	91.8	6.2	5050
04N/07E-15B11M	91.2	10-07-70	95.7	-4.5	8201
		3-02-71	91.8	-0.6	8201
04N/07E-17N01M	67.0	10-15-70	80.8	-13.8	5110
		3-12-71	70.2	-3.2	5110
04N/07E-18M01M	57.8	10-22-70	68.7	-10.9	5050
		3-11-71	61.6	-3.8	5050
04N/07E-18P30M	61.4	10-05-70	69.2	-7.8	8201
		3-02-71	62.0	-0.6	8201
04N/07E-19K01M	62.4	10-15-70	69.0	-6.6	5110
		3-12-71	60.0	2.4	5110
04N/07E-21F01M	78.2	10-19-70	80.3	-2.1	5110
		3-12-71	74.0	4.2	5110
04N/07E-22Q05M	83.8	10-07-70	78.4	5.4	8201
		3-02-71	71.5	12.3	8201
04N/07E-25G15M	88.8	10-07-70	84.3	4.5	8201
		3-02-71	74.7	14.1	8201
04N/07E-27F01M	81.5	10-06-70	41.0	40.5	8201
		3-02-71	40.4	41.1	8201
04N/07E-28J02M	74.8	10-19-70	68.4	6.4	5110
		3-12-71	64.5	10.3	5110
04N/07E-29H01M	70.6	10-07-70	66.1	4.5	8201
		3-02-71	(1)		8201

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
MOKELUMNE RIVER AREA 5-22.01 (Continued)					
04N/07E-30E04M	57.2	10-05-70	50.9	6.3	8201
		3-02-71	45.5	11.7	8201
04N/07E-31M13M	55.2	10-05-70	33.3	21.9	8201
		3-02-71	32.1	23.1	8201
04N/07E-31N11M	45.9	10-05-70	13.0	32.9	8201
		3-02-71	15.0	30.9	8201
04N/07E-33H01M	73.4	10-19-70	41.4	32.0	5110
		3-12-71	(1)		5110
04N/07E-34F11M	61.6	10-06-70	17.9	43.7	8201
		3-02-71	16.6	45.0	8201
04N/07E-34L03M	85.6	10-06-70	45.0	40.6	8201
		3-02-71	44.4	41.2	8201
04N/07E-36L01M	90.0	10-19-70	85.4	4.6	5110
		3-12-71	78.5	11.5	5110
04N/08E-01K01M	170.7	10-13-70	102.0	68.7	8201
		1-11-71	101.4	69.3	8201
04N/08E-04N01M	140.0	10-19-70	141.5	-1.5	5110
		3-11-71	127.5	12.5	5110
04N/08E-04P13M	139.5	10-09-70	(6)		8201
04N/08E-06C02M	105.0	10-15-70	112.7	-7.7	5050
		3-12-71	95.4	9.6	5050
04N/08E-06N02M	116.0	10-19-70	128.0	-12.0	5110
		3-11-71	113.0	3.0	5110
04N/08E-14K01M	150.0	10-19-70	116.2	33.8	5110
		3-11-71	(1)		5110
04N/08E-17J01M	131.9	10-19-70	122.9	9.0	5110
		3-11-71	114.4	17.5	5110
04N/08E-18L12M	122.4	10-09-70	122.1	0.3	8201
		1-12-71	118.6	3.8	8201
04N/08E-21M01M	114.0	10-19-70	103.4	10.6	5110
		3-11-71	96.1	17.9	5110
04N/08E-22C01M	126.0	10-19-70	58.7	67.3	5110
		3-11-71	58.2	67.8	5110
04N/08E-25L01M	192.9	10-09-70	158.4	34.5	8201
		1-20-71	158.2	34.7	8201
04N/08E-26A12M	159.3	10-09-70	127.8	31.5	8201
		1-11-71	(1)		8201
		1-13-71	128.1	31.2	8201
04N/08E-27J11M	195.4	10-09-70	175.4	20.0	8201
		1-11-71	172.7	22.7	8201
04N/08E-28H11M	131.2	10-09-70	(1)		8201
		1-11-71	114.7	16.5	8201
04N/08E-28M12M	111.7	10-08-70	105.2	6.5	8201
		1-11-71	99.7	12.0	8201
04N/08E-30A11M	70.3	10-08-70	16.7	53.6	8201
		1-11-71	16.7	53.6	8201
04N/08E-32N01M	105.0	10-19-70	(1)		5110
		3-12-71	(1)		5110
04N/08E-34E01M	158.7	10-09-70	149.3	9.4	8201
		1-11-71	144.5	14.2	8201
04N/08E-34Q11M	162.6	10-09-70	149.5	13.1	8201
		1-11-71 (6)	144.0	18.6	8201
		1-20-71	148.3	14.3	8201
04N/08E-35P01M	196.0	10-19-70	87.9	108.1	5110
		3-11-71	87.9	108.1	5110
04N/08E-36P01M	209.0	10-15-70	201.4	7.6	5050
		3-12-71	200.8	8.2	5050
04N/09E-06L11M	125.6	10-13-70	9.6	116.0	8201
		1-11-71	6.2	119.4	8201
MOKELUMNE RIVER AREA 5-22.01 (Continued)					
04N/09E-07K02M	172.7	10-15-70	30.3	142.4	8201
		1-13-71	29.5	143.2	8201
04N/09E-15M11M	191.6	10-15-70	44.2	147.4	8201
		1-14-71	41.0	150.6	8201
04N/09E-16D13M	191.4	10-15-70	5.2	186.2	8201
		3-05-71	3.9	187.5	8201
04N/09E-20M01M	238.8	10-16-70	143.3	95.5	8201
		1-15-71	143.6	95.2	8201
04N/09E-21A01M	216.4	10-16-70	55.7	160.7	8201
		1-14-71	53.2	163.2	8201
04N/09E-28C02M	313.4	10-16-70	135.1	178.3	8201
		1-20-71	136.4	177.0	8201
04N/09E-31M01M	250.0	10-19-70	219.2	30.8	5110
		3-11-71	218.2	31.8	5110
05N/05E-28L03M	6.0	10-16-70	9.0	-3.0	5110
		3-16-71	6.0	0.0	5110
05N/05E-32M01M	1.5	10-16-70 (1)	10.7	-9.2	5110
		3-16-71	6.7	-5.2	5110
05N/06E-36R01M	63.1	10-15-70	91.9	-28.8	5110
		3-12-71	76.0	-12.9	5110
05N/07E-31J01M	71.5	10-15-70 (4)	95.5	-24.0	5110
		10-21-70	94.6	-23.1	5001
		3-12-71	79.1	-7.6	5110
		3-19-71	85.2	-13.7	5001
05N/07E-34G01M	88.8	10-19-70	(1)		5110
		3-11-71	92.4	-3.6	5110
05N/08E-16Q01M	125.0	10-16-70	109.9	15.1	5050
		3-18-71	105.1	19.9	5050
05N/08E-24Q11M	257.2	10-14-70	176.7	80.5	8201
		3-04-71	177.1	80.1	8201
05N/08E-25P11M	265.7	10-14-70	201.5	64.2	8201
		1-18-71	201.2	64.5	8201
05N/08E-31R01M	137.0	10-19-70	140.1	-3.1	5110
		3-11-71	(1)		5110
05N/08E-32R11M	162.1	10-13-70	161.9	0.2	8201
		1-15-71	151.6	10.5	8201
05N/08E-34G11M	224.8	10-14-70	199.4	25.4	8201
		1-15-71	199.0	25.8	8201
05N/08E-35K12M	188.6	10-13-70	143.7	44.9	8201
		1-15-71	144.4	44.2	8201
CALAVERAS RIVER AREA 5-22.02					
01N/06E-01J01M	22.0	10-24-70	91.0	-69.0	4701
		3-01-71	80.0	-58.0	4701
01N/06E-01L03M	20.0	10-13-70	91.5	-71.5	5050
		3-10-71	67.9	-47.9	5050
01N/06E-02C01M	19.0	10-13-70	(1)		5050
		3-10-71	(1)		5050
01N/06E-02J02M	17.0	10-13-70	86.7	-69.7	5050
		3-10-71	(9)		5050
01N/06E-02M01M	16.0	10-24-70	82.0	-66.0	4701
		3-01-71	67.0	-51.0	4701
01N/06E-02Q01M	16.0	10-24-70	76.0	-60.0	4701
		3-01-71	76.0	-60.0	4701
01N/06E-03C01M	10.0	10-24-70	61.0	-51.0	4701
		3-01-71	52.0	-42.0	4701
01N/06E-03C03M	9.0	10-13-70	60.1	-51.1	5050
		3-10-71	42.5	-33.5	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CALAVERAS RIVER AREA 5-22.02 (Continued)					
01N/06E-03K01M	11.0	10-13-70	51.2	-40.2	5050
		3-10-71	42.3	-31.3	5050
01N/06E-04B01M	6.0	10-24-70	50.0	-44.0	4701
		3-01-71	35.0	-29.0	4701
01N/06E-04D01M	4.0	10-24-70	44.0	-40.0	4701
		3-01-71	32.0	-28.0	4701
01N/06E-04J01M	8.4	10-13-70	39.4	-31.0	5050
		3-10-71	34.8	-26.4	5050
01N/06E-05F01M	0.0	10-21-70	12.9	-12.9	5050
		3-10-71	8.1	-8.1	5050
01N/06E-10R01M	14.0	10-13-70	54.3	-40.3	5050
		3-10-71	50.0	-36.0	5050
01N/06E-11C01M	14.0	10-13-70	(2)		5050
		3-10-71	(2)(0)		5050
01N/06E-11K01M	17.0	10-24-70	82.0	-65.0	4701
		3-01-71	(6) 118.0	-101.0	4701
01N/06E-12A01M	23.0	10-24-70	95.0	-72.0	4701
		3-01-71	84.0	-61.0	4701
01N/06E-12G01M	21.2	10-14-70	(1)		5050
		3-10-71	75.9	-54.7	5050
01N/06E-12J01M	22.5	10-14-70	87.7	-65.2	5050
		3-10-71	78.1	-55.6	5050
01N/06E-12N01M	19.0	10-24-70	80.0	-61.0	4701
		3-01-71	70.0	-51.0	4701
01N/06E-13G01M	19.0	10-15-70	74.6	-55.6	5050
		3-10-71	67.0	-48.0	5050
01N/06E-13J01M	20.0	10-24-70	84.0	-64.0	4701
		3-01-71	(6) 105.0	-85.0	4701
01N/06E-14Q03M	14.3	10-30-70	52.6	-38.3	5050
		11-30-70	51.3	-37.0	5050
		12-30-70	50.3	-36.0	5050
		1-28-71	49.5	-35.2	5050
		2-28-71	48.9	-34.6	5050
		3-31-71	48.3	-34.0	5050
		4-29-71	48.3	-34.0	5050
		5-30-71	49.1	-34.8	5050
		6-30-71	50.3	-36.0	5050
		7-30-71	51.8	-37.5	5050
		8-30-71	54.6	-40.3	5050
		9-29-71	55.0	-40.7	5050
01N/06E-15N02M	5.0	10-21-70	26.5	-21.5	5050
		3-10-71	(8)		5050
01N/06E-16H01M	4.0	10-21-70	37.7	-33.7	5050
		3-10-71	26.0	-22.0	5050
01N/06E-17A01M	4.0	10-21-70	17.6	-13.6	5050
		3-10-71	9.6	-5.6	5050
01N/06E-23D01M	9.0	10-21-70	36.8	-27.8	5050
		3-10-71	33.3	-24.3	5050
01N/06E-23D02M	9.0	10-21-70	36.9	-27.9	5050
		3-10-71	33.5	-24.5	5050
01N/07E-01A02M	62.0	10-21-70	92.5	-30.5	5550
		3-16-71	84.5	-22.5	5550
01N/07E-01J02M	60.0	10-21-70	93.0	-33.0	5550
		3-16-71	85.5	-25.5	5550
01N/07E-01M01M	54.2	10-20-70	(3)		5110
		3-09-71	81.6	-27.4	5110
01N/07E-02F01M	48.0	10-21-70	87.5	-39.5	5550
		3-16-71	77.0	-29.0	5550
01N/07E-02G01M	50.0	10-21-70	85.5	-35.5	5550
		3-16-71	80.0	-30.0	5550
01N/07E-03L01M	43.0	10-21-70	89.5	-46.5	5550
		3-16-71	74.5	-31.5	5550
CALAVERAS RIVER AREA 5-22.02 (Continued)					
01N/07E-03M01M	41.0	10-21-70	78.5	-37.5	5550
		3-16-71	75.5	-34.5	5550
01N/07E-04N01M	34.0	10-21-70	87.5	-53.5	5550
		3-16-71	81.5	-47.5	5550
01N/07E-04P03M	35.4	10-20-70	98.9	-63.5	5110
		3-09-71	82.9	-47.5	5110
01N/07E-04R01M	39.0	10-21-70	90.0	-51.0	5550
		3-16-71	76.0	-37.0	5550
01N/07E-05A01M	33.0	10-24-70	82.0	-49.0	4701
		3-01-71	84.0	-51.0	4701
01N/07E-05N01M	28.0	10-24-70	93.0	-65.0	4701
		3-01-71	90.0	-62.0	4701
01N/07E-07E01M	25.0	10-24-70	89.0	-64.0	4701
		3-01-71	86.0	-61.0	4701
01N/07E-07F01M	25.8	10-13-70	97.3	-71.5	5050
		3-10-71	83.1	-57.3	5050
01N/07E-08B01M	30.0	10-21-70	97.0	-67.0	5550
		3-16-71	89.0	-59.0	5550
01N/07E-08R02M	31.5	10-20-70	95.5	-64.0	5110
		3-09-71	88.5	-57.0	5110
01N/07E-09E04M	33.0	10-21-70	99.5	-66.5	5550
		3-16-71	86.0	-53.0	5550
01N/07E-09H01M	39.0	10-21-70	91.5	-52.5	5550
		3-16-71	83.5	-44.5	5550
01N/07E-09Q03M	38.0	10-21-70	93.0	-55.0	5550
		3-16-71	84.0	-46.0	5550
01N/07E-10D01M	39.0	10-21-70	91.0	-52.0	5550
		3-16-71	81.0	-42.0	5550
01N/07E-10G01M	43.0	10-21-70	83.5	-40.5	5550
		3-16-71	78.5	-35.5	5550
01N/07E-17A01M	31.0	10-21-70	96.5	-65.5	5550
		3-16-71	88.0	-57.0	5550
01N/07E-18B01M	26.0	10-24-70	85.0	-59.0	4701
		3-01-71	(6) 95.0	-69.0	4701
01N/08E-02B01M	84.0	10-21-70	107.8	-23.8	5050
		3-11-71	98.3	-14.3	5050
01N/08E-02J01M	86.0	10-21-70	110.9	-24.9	5050
		3-11-71	100.4	-14.4	5050
01N/08E-03P01M	80.0	10-14-70	112.0	-32.0	5110
		3-08-71	102.0	-22.0	5110
01N/08E-05J01M	71.0	10-14-70	108.1	-37.1	5110
		3-08-71	100.0	-29.0	5110
01N/09E-01C01M	191.0	10-14-70	(1)		5110
		3-08-71	149.2	41.8	5110
01N/09E-02D01M	156.0	10-21-70	118.8	37.2	5050
		3-11-71	119.3	36.7	5050
01N/09E-05B01M	139.5	10-21-70	137.0	2.5	5050
		3-11-71	134.5	5.0	5050
01N/09E-05J01M	153.0	10-14-70	(1)		5110
		3-08-71	136.5	16.5	5110
01N/09E-06B01M	136.0	10-21-70	143.2	-7.2	5050
		3-11-71	138.2	-2.2	5050
01N/09E-06N01M	118.5	10-14-70	(1)		5110
		3-08-71	120.5	-2.0	5110
02N/06E-33N01M	4.0	10-24-70	57.0	-53.0	4701
		3-01-71	43.0	-39.0	4701
02N/06E-34K02M	12.0	10-24-70	62.0	-50.0	4701
		3-01-71	50.0	-38.0	4701

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CALAVERAS RIVER AREA 5-22.02 (Continued)					
02N/06E-34L01M	15.8	10-13-70	(1)		5050
		3-10-71	48.8	-33.0	5050
02N/06E-35D02M	17.5	10-13-70	67.5	-50.0	5050
		3-10-71	51.5	-34.0	5050
02N/06E-36A01M	26.0	10-24-70	72.0	-46.0	4701
		3-01-71	63.0	-37.0	4701
02N/06E-36D01M	22.0	10-24-70	64.0	-42.0	4701
		3-01-71	53.0	-31.0	4701
02N/06E-36N02M	20.4	10-13-70	(4)		5050
		3-10-71	(4)		5050
02N/06E-36R03M	24.0	10-24-70	80.0	-56.0	4701
		3-01-71	73.0	-49.0	4701
02N/07E-05E01M	41.1	10-13-70	54.6	-13.5	5110
		3-11-71	50.1	-9.0	5110
02N/07E-05R01M	46.0	10-16-70	64.9	-18.9	5110
		3-10-71	56.9	-10.9	5110
02N/07E-07R05M	37.0	10-16-70	54.5	-17.5	5110
		3-10-71	53.5	-16.5	5110
02N/07E-08D01M	42.0	10-16-70	57.0	-15.0	5110
		3-10-71	53.2	-11.2	5110
02N/07E-08K03M	44.5	10-16-70	65.0	-20.5	5110
		3-10-71	58.5	-14.0	5110
02N/07E-08R01M	46.0	10-14-70 (4)	66.9	-20.9	5050
		3-11-71	61.7	-15.7	5050
02N/07E-09B02M	54.0	10-16-70	71.4	-17.4	5110
		3-10-71	63.4	-9.4	5110
02N/07E-11F01M	58.0	10-16-70	76.6	-18.6	5110
		3-10-71	71.0	-13.0	5110
02N/07E-12A01M	72.2	10-16-70	89.0	-16.8	5110
		3-10-71	82.5	-10.3	5110
02N/07E-12A03M	72.2	10-14-70	88.6	-16.4	5050
		3-12-71	81.0	-8.8	5050
02N/07E-14P01M	57.3	10-21-70	83.8	-26.5	5110
		3-09-71	77.9	-20.6	5110
02N/07E-15C01M	51.7	10-16-70	93.0	-41.3	5110
		3-10-71	72.0	-20.3	5110
02N/07E-16L01M	46.2	10-16-70	74.0	-27.8	5110
		3-10-71	66.5	-20.3	5110
02N/07E-18E01M	33.3	10-15-70	42.5	-9.2	5050
		3-11-71	43.1	-9.8	5050
02N/07E-18K01M	36.5	10-16-70	54.3	-17.8	5110
		3-10-71	49.5	-13.0	5110
02N/07E-20N02M	35.0	10-16-70	65.0	-30.0	5110
		3-10-71	59.0	-24.0	5110
02N/07E-21K02M	45.0	10-21-70	83.4	-38.4	5550
		3-15-71	69.7	-24.7	5550
02N/07E-21N01M	40.0	10-21-70	76.4	-36.4	5550
		3-15-71	67.1	-27.1	5550
02N/07E-22H01M	52.0	10-21-70	85.3	-33.3	5550
		3-15-71	77.7	-25.7	5550
02N/07E-23B01M	57.0	10-21-70	88.6	-31.6	5550
		3-15-71	79.5	-22.5	5550
02N/07E-23J02M	59.6	10-21-70	102.7	-43.1	5110
		3-09-71	82.7	-23.1	5110
02N/07E-24B01M	65.4	10-20-70	(4)		5110
		3-09-71	82.2	-16.8	5110
02N/07E-24J01M	65.0	10-21-70	100.0	-35.0	5550
		3-16-71	84.5	-19.5	5550
CALAVERAS RIVER AREA 5-22.02 (Continued)					
02N/07E-24Q01M	62.5	10-21-70	102.5	-40.0	5550
		3-16-71	85.5	-23.0	5550
02N/07E-26H03M	58.0	10-21-70	96.0	-38.0	5550
		3-16-71	82.5	-24.5	5550
02N/07E-26N01M	50.3	10-21-70	90.5	-40.2	5110
		3-09-71	78.9	-28.6	5110
02N/07E-26R01M	56.0	10-21-70	91.5	-35.5	5550
		3-16-71	79.5	-23.5	5550
02N/07E-27D01M	46.7	10-21-70	98.2	-51.5	5110
		3-09-71	80.5	-33.8	5110
02N/07E-27G01M	47.0	10-21-70	88.6	-41.6	5550
		3-15-71	77.8	-30.8	5550
02N/07E-27L01M	47.0	10-21-70	87.0	-40.0	5550
		3-15-71	77.0	-30.0	5550
02N/07E-28K02M	42.0	10-21-70	82.4	-40.4	5550
		3-15-71	74.2	-32.2	5550
02N/07E-28N04M	38.0	10-21-70	78.0	-40.0	5110
		3-09-71	71.0	-33.0	5110
02N/07E-28P01M	39.0	10-21-70	79.7	-40.7	5550
		3-15-71	73.0	-34.0	5550
02N/07E-29B01M	40.0	10-21-70	71.7	-31.7	5550
		3-15-71	70.5	-30.5	5550
02N/07E-29M02M	34.0	10-21-70	67.4	-33.4	5550
		3-16-71	62.5	-28.5	5550
02N/07E-30E01M	28.0	10-16-70	63.5	-35.5	5110
		3-09-71	56.0	-28.0	5110
02N/07E-30H01M	32.5	10-21-70	65.5	-33.0	5550
		3-16-71	60.5	-28.0	5550
02N/07E-31R02M	29.0	10-21-70	67.7	-38.7	5550
		3-15-71	66.3	-37.3	5550
02N/07E-32J02M	35.0	10-21-70	71.0	-36.0	5550
		3-15-71	70.0	-35.0	5550
02N/07E-32M02M	30.0	10-21-70	67.0	-37.0	5550
		3-15-71	65.0	-35.0	5550
02N/07E-32R01M	32.0	10-21-70	(8)		5110
		3-09-71	(4)		5110
02N/07E-33H01M	41.0	10-21-70	89.0	-48.0	5110
		3-09-71	77.3	-36.3	5110
02N/07E-33L01M	38.0	10-21-70	80.9	-42.9	5550
		3-15-71	73.2	-35.2	5550
02N/07E-34E01M	44.0	10-21-70	86.0	-42.0	5550
		3-15-71	78.0	-34.0	5550
02N/07E-34R01M	47.0	10-21-70	85.0	-38.0	5550
		3-16-71	74.0	-27.0	5550
02N/07E-35L01M	49.8	10-20-70	94.9	-45.1	5110
		3-09-71	80.1	-30.3	5110
02N/07E-36H01M	58.7	10-20-70	96.2	-37.5	5110
		3-09-71	83.1	-24.4	5110
02N/07E-36P02M	54.0	10-14-70	91.9	-37.9	5050
		3-12-71	81.5	-27.5	5050
02N/08E-03G02M	108.8	10-15-70	117.5	-8.7	5110
		3-11-71	109.0	-0.2	5110
02N/08E-04C01M	92.0	10-15-70	106.5	-14.5	5110
		3-11-71	97.5	-5.5	5110
02N/08E-08N01M	76.7	10-16-70	94.6	-17.9	5110
		3-10-71	84.7	-8.0	5110
02N/08E-09G02M	87.0	10-16-70	106.0	-19.0	5110
		3-10-71	96.0	-9.0	5110

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CALAVERAS RIVER AREA 5-22.02 (Continued)					
02N/08E-10H02M	105.4	10-16-70	118.1	-12.7	5110
		3-10-71	(4)		5110
02N/08E-11B01M	106.0	10-16-70	112.3	-6.3	5110
		3-10-71	106.6	-0.6	5110
02N/08E-12C02M	109.3	10-19-70	110.0	-0.7	5110
		3-08-71	103.0	6.3	5110
02N/08E-13K01M	105.6	10-19-70	115.7	-10.1	5110
		3-08-71	106.6	-1.0	5110
02N/08E-14C01M	94.4	10-19-70	115.4	-21.0	5110
		3-08-71	99.7	-5.3	5110
02N/08E-15M02M	84.9	10-19-70	109.1	-24.2	5110
		3-08-71	92.4	-7.5	5110
02N/08E-16D01M	80.5	10-16-70	95.1	-14.6	5110
		3-10-71	89.6	-9.1	5110
02N/08E-18C01M	68.9	10-16-70	89.4	-20.5	5110
		3-10-71	80.4	-11.5	5110
02N/08E-19C03M	67.3	10-20-70	99.4	-32.1	5110
		3-09-71	83.6	-16.3	5110
02N/08E-19P02M	69.2	10-20-70	99.0	-29.8	5110
		3-09-71	89.5	-20.3	5110
02N/08E-20F01M	73.0	10-20-70	101.8	-28.8	5110
		3-09-71	91.6	-18.6	5110
02N/08E-21R01M	79.9	10-19-70	113.1	-33.2	5110
		3-08-71	94.1	-14.2	5110
02N/08E-24P01M	126.0	10-28-70	139.9	-13.9	5110
		3-08-71	130.6	-4.6	5110
02N/08E-25P01M	101.0	10-14-70	(1)		5110
		3-08-71	111.5	-10.5	5110
02N/08E-30H01M	69.4	10-20-70	100.9	-31.5	5110
		3-09-71	91.9	-22.5	5110
02N/08E-32L02M	69.5	10-20-70	98.7	-29.2	5110
		3-09-71	91.7	-22.2	5110
02N/08E-33E01M	75.0	10-20-70	108.0	-33.0	5110
		3-09-71	95.2	-20.2	5110
02N/08E-34E01M	82.6	10-14-70	111.8	-29.2	5110
		3-08-71	98.7	-16.1	5110
02N/08E-36L01M	97.2	10-30-70	115.8	-18.6	5050
		11-30-70	113.6	-16.4	5050
		12-30-70	111.6	-14.4	5050
		1-28-71	109.8	-12.6	5050
		2-28-71	108.1	-10.9	5050
		3-31-71	106.7	-9.5	5050
		4-29-71	107.0	-9.8	5050
		5-30-71	108.5	-11.3	5050
		6-30-71	111.6	-14.4	5050
		7-30-71	114.5	-17.3	5050
		8-30-71	117.3	-20.1	5050
		9-29-71	118.2	-21.0	5050
02N/09E-03A01M	150.0	10-19-70	58.7	91.3	5110
		3-08-71	58.6	91.4	5110
02N/09E-04H01M	158.1	10-19-70	82.0	76.1	5110
		3-08-71	76.5	81.6	5110
02N/09E-05H01M	132.2	10-19-70	108.5	23.7	5110
		3-08-71	104.0	28.2	5110
02N/09E-05L02M	130.0	10-15-70	107.9	22.1	5050
		10-19-70	115.0	15.0	5110
		3-08-71	106.6	23.4	5110
		3-12-71	106.4	23.6	5050
02N/09E-05N01M	126.1	10-19-70	(8)		5110
		3-08-71	(4)		5110
02N/09E-07G02M	117.5	10-19-70	109.0	8.5	5110
		3-08-71	106.5	11.0	5110
CALAVERAS RIVER AREA 5-22.02 (Continued)					
02N/09E-08N01M	141.6	10-19-70	134.0	7.6	5110
		3-08-71	130.0	11.6	5110
02N/09E-09D01M	132.8	10-19-70	108.6	24.2	5110
		3-08-71	103.2	29.6	5110
02N/09E-11A01M	253.0	10-19-70	170.5	82.5	5110
		3-08-71	165.8	87.2	5110
02N/09E-18Q01M	107.1	10-19-70	115.7	-8.6	5110
		3-08-71	110.9	-3.8	5110
02N/09E-22B01M	171.0	10-21-70	126.0	45.0	5050
		3-11-71	126.7	44.3	5050
02N/09E-28N01M	179.5	10-14-70	163.6	15.9	5110
		3-08-71	171.6	7.9	5110
02N/09E-32D01M	154.2	10-21-70	152.8	1.4	5050
		3-11-71	149.4	4.8	5050
03N/07E-33G01M	52.0	10-16-70	69.3	-17.3	5110
		3-10-71	62.5	-10.5	5110
03N/07E-35C02M	61.2	10-15-70	76.4	-15.2	5110
		3-10-71	67.5	-6.3	5110
03N/07E-35L01M	64.0	10-15-70	77.2	-13.2	5110
		3-10-71	71.5	-7.5	5110
03N/07E-36D01M	67.7	10-15-70	87.3	-19.6	5110
		3-10-71	71.5	-3.8	5110
03N/07E-36K02M	74.5	10-15-70	82.3	-7.8	5110
		3-10-71	80.8	-6.3	5110
03N/08E-11M11M	139.9	10-16-70	132.8	7.1	8201
		1-19-71	132.0	7.9	8201
03N/08E-11N02M	156.0	10-15-70	177.9	-21.9	5110
		3-10-71	163.0	-7.0	5110
03N/08E-12P11M	181.7	10-08-70	169.5	12.2	8201
		1-08-71	168.6	13.1	8201
03N/08E-23F11M	173.1	10-08-70	174.2	-1.1	8201
		1-19-71	171.8	1.3	8201
03N/08E-26Q01M	130.0	10-30-70	133.0	-3.0	5050
		11-30-70	132.0	-2.0	5050
		12-30-70	131.1	-1.1	5050
		1-28-71	130.2	-0.2	5050
		2-28-71	129.5	0.5	5050
		3-31-71	129.1	0.9	5050
		4-29-71	129.4	0.6	5050
		5-30-71	130.1	-0.1	5050
		6-30-71	131.8	-1.8	5050
		7-30-71	133.5	-3.5	5050
		8-30-71	135.0	-5.0	5050
		9-29-71	135.1	-5.1	5050
03N/08E-27R01M	126.4	10-15-70	(1)		5110
		3-11-71	133.8	-7.4	5110
03N/08E-32P01M	85.0	10-15-70	109.9	-24.9	5110
		3-11-71	92.4	-7.4	5110
03N/09E-05D01M	280.0	10-19-70	(1)		5110
		3-11-71	(1)		5110
03N/09E-19N01M	180.0	10-22-70	170.1	9.9	5050
		3-11-71	169.0	11.0	5050
03N/09E-21D01M	245.0	10-22-70	(9)		5050
		3-11-71	(4)		5050
03N/09E-25R01M	169.8	10-19-70	44.3	125.5	5110
		3-08-71	44.9	124.9	5110
03N/09E-31G01M	192.0	10-22-70	(9)		5050
		3-11-71	178.7	13.3	5050
03N/09E-33J01M	140.0	10-19-70	90.9	49.1	5110
		3-08-71	78.0	62.0	5110
03N/09E-36G01M	180.4	10-19-70	81.2	99.2	5110
		3-08-71	68.8	111.6	5110

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
FARMINGTON-COLLEGEVILLE AREA 5-22.03					
01N/06E-23J01M	11.8	10-21-70	42.0	-30.2	5050
		3-10-71	38.9	-27.1	5050
01N/06E-25H02M	19.0	10-21-70	57.2	-38.2	5050
		3-10-71	52.5	-33.5	5050
01N/06E-26A02M	13.0	10-14-70	39.1	-26.1	5050
		3-11-71	35.1	-22.1	5050
01N/07E-11L01M	50.0	10-21-70	91.5	-41.5	5550
		3-16-71	79.0	-29.0	5550
01N/07E-11M01M	45.0	2-18-71	84.9	-39.9	5050
01N/07E-12Q01M	54.4	10-14-70	96.9	-42.5	5110
		3-08-71	92.0	-37.6	5110
01N/07E-14L01M	47.0	10-21-70	93.6	-46.6	5050
		3-11-71	84.7	-37.7	5050
01N/07E-19G01M	22.0	2-18-71	66.0	-44.0	5050
		3-11-71	65.5	-43.5	5110
01N/07E-20G01M	29.0	10-14-70	82.0	-53.0	5110
		3-11-71	(1)		5110
01N/07E-21R01M	37.0	10-14-70	86.0	-49.0	5110
		3-11-71	78.2	-41.2	5110
01N/07E-23H02M	51.0	10-14-70	(1)		5050
		3-12-71	87.5	-36.5	5050
01N/07E-24A01M	58.0	2-17-71	89.5	-31.5	5050
01N/07E-24R01M	57.0	10-14-70	(1)		5110
		3-11-71	97.5	-40.5	5110
01N/07E-26H03M	50.0	2-18-71	87.2	-37.2	5050
		3-11-71	87.0	-37.0	5110
01N/07E-27H02M	44.0	10-14-70	96.0	-52.0	5110
		3-11-71	83.5	-39.5	5110
01N/07E-28R01M	36.0	10-19-70	79.2	-43.2	5050
		3-10-71	68.6	-32.6	5050
01N/07E-31L01M	21.0	10-21-70	35.0	-14.0	5050
		3-10-71	33.5	-12.5	5050
01N/07E-32A01M	29.5	10-19-70	64.8	-35.3	5050
		3-10-71	56.4	-26.9	5050
01N/07E-35H01M	49.1	10-14-70	(3)		5110
		3-11-71	(1)		5110
01N/08E-13J01M	94.8	10-14-70	115.2	-20.4	5110
		3-08-71	106.5	-11.5	5110
01N/08E-13P02M	90.5	10-14-70	116.5	-26.0	5110
		10-14-70	113.6	-23.1	5050
		3-08-71	102.5	-12.0	5110
		3-12-71	100.4	-9.9	5050
01N/08E-16P01M	73.0	10-21-70	(1)		5050
		3-11-71	97.2	-24.2	5050
01N/08E-17D01M	68.7	10-14-70	107.5	-38.8	5110
		3-08-71	101.5	-32.8	5110
01N/08E-19B01M	62.2	10-01-70	(0)		5050
01N/08E-21M01M	71.0	10-21-70	(1)		5050
		3-11-71	97.9	-26.9	5050
01N/08E-26A02M	88.7	10-14-70	120.5	-31.8	5110
		3-09-71	109.0	-20.3	5110
01N/08E-27R02M	78.0	10-14-70	117.2	-39.2	5110
		3-09-71	94.2	-16.2	5110
01N/08E-28K01M	71.0	10-21-70	105.4	-34.4	5050
		3-10-71	90.4	-19.4	5050
01N/08E-29M02M	64.1	10-14-70	101.8	-37.7	5110
		3-08-71	88.1	-24.0	5110
FARMINGTON-COLLEGEVILLE AREA 5-22.03 (Continued)					
01N/08E-30M01M	57.0	10-21-70	96.8	-39.8	5050
		3-10-71	87.1	-30.1	5050
01N/08E-33H01M	71.6	10-14-70	102.0	-30.4	5110
		3-09-71	86.5	-14.9	5110
01N/08E-33J01M	72.0	10-14-70	104.5	-32.5	5110
		3-09-71	88.0	-16.0	5110
01N/08E-35R02M	82.0	10-14-70	103.0	-21.0	5110
		3-08-71	86.0	-4.0	5110
01N/08E-36F01M	87.0	10-14-70	106.0	-19.0	5110
		3-08-71	89.0	-2.0	5110
01N/09E-13D01M	142.0	10-14-70	100.2	41.8	5110
		3-08-71	98.0	44.0	5110
01N/09E-15B02M	120.0	10-14-70	103.5	16.5	5110
		3-08-71	97.5	22.5	5110
01N/09E-17D01M	103.0	10-14-70	116.5	-13.5	5110
		3-08-71	100.5	2.5	5110
01N/09E-17M01M	102.2	10-14-70	112.7	-10.5	5110
		3-08-71	(3)		5110
01N/09E-19C01M	98.5	10-14-70	116.2	-17.7	5110
		3-08-71	111.5	-13.0	5110
01N/09E-22G02M	118.0	10-14-70	97.4	20.6	5110
		3-08-71	98.4	19.6	5110
01N/09E-23Q01M	125.0	10-14-70	96.8	28.2	5110
		10-14-70	96.0	29.0	5050
		3-08-71	90.8	34.2	5110
		3-12-71	88.0	37.0	5050
01N/09E-29A01M	106.5	10-14-70	108.8	-2.3	5110
		3-09-71	90.0	16.5	5110
01N/09E-30C05M	96.0	10-14-70	111.0	-15.0	5110
		3-08-71	104.0	-8.0	5110
01N/09E-32J01M	107.5	10-14-70	98.7	8.8	5110
		3-09-71	(1)		5110
01N/09E-33P01M	117.3	10-14-70	110.0	7.3	5110
		3-09-71	94.0	23.3	5110
01N/09E-36P01M	147.2	10-15-70	(1)		5110
		3-09-71	(1)		5110
01S/07E-01J01M	53.4	10-14-70	87.5	-34.1	5110
		3-11-71	74.4	-21.0	5110
01S/07E-03A01M	43.1	10-14-70	74.5	-31.4	5110
		3-11-71	61.1	-18.0	5110
01S/07E-05A01M	28.9	10-14-70	55.4	-26.5	5110
		3-10-71	43.0	-14.1	5110
01S/07E-06M02M	23.5	10-14-70	(4)		5110
		3-10-71	27.0	-3.5	5110
01S/07E-08J02M	30.9	10-13-70	24.4	6.5	5110
		3-10-71	25.4	5.5	5110
01S/07E-10A01M	41.0	10-14-70	57.9	-16.9	5110
		10-14-70	57.5	-16.5	5050
		3-11-71	(1)		5110
		3-15-71	47.9	-6.9	5050
01S/07E-12H01M	51.0	10-14-70	68.0	-17.0	5110
		3-11-71	62.0	-11.0	5110
01S/07E-13J01M	48.0	10-14-70	39.0	9.0	5110
		3-11-71	38.5	9.5	5110
01S/07E-14P02M	44.5	10-14-70	30.5	14.0	5110
		3-11-71	29.4	15.1	5110
01S/07E-15F01M	40.0	10-01-70	(0)		5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
FARMINGTON-COLLEGEVILLE AREA 5-22.03 (Continued)					
01S/08E-06D01M	55.4	10-14-70	80.0	-24.6	5110
		3-11-71	76.0	-20.6	5110
01S/08E-08J01M	62.7	10-30-70	77.9	-15.2	5050
		11-30-70	76.1	-13.4	5050
		12-30-70	74.4	-11.7	5050
		1-28-71	73.0	-10.3	5050
		2-28-71	71.6	-8.9	5050
		3-31-71	70.5	-7.8	5050
		4-29-71	70.5	-7.8	5050
		5-30-71	73.3	-10.6	5050
		6-30-71	75.3	-12.6	5050
		7-30-71	81.2	-18.5	5050
		8-30-71	83.1	-20.4	5050
		9-29-71	81.9	-19.2	5050
01S/08E-09A01M	71.0	10-14-70	92.5	-21.5	5110
		3-11-71	79.5	-8.5	5110
01S/08E-11F01M	80.0	10-15-70	92.7	-12.7	5110
		3-09-71	83.2	-3.2	5110
01S/08E-15A01M	73.5	10-14-70	88.4	-14.9	5110
		10-14-70	82.7	-9.2	5050
		3-11-71	68.5	5.0	5110
		3-12-71	73.3	0.2	5050
01S/08E-21A01M	66.8	10-14-70	67.0	-0.2	5110
		3-11-71	58.2	8.6	5110
01S/08E-29H01M	62.5	10-14-70	39.8	22.7	5110
		3-11-71	35.3	27.2	5110
01S/08E-30C01M	52.0	10-14-70	31.0	21.0	5110
		3-11-71	27.5	24.5	5110
01S/09E-02D01M	146.0	10-15-70	114.5	31.5	5110
		3-09-71	107.5	38.5	5110
01S/09E-02J01M	157.0	10-00-70	109.2	47.8	4520
		3-00-71	108.4	48.6	4520
01S/09E-02R01M	162.0	10-15-70	(1)		5110
		3-09-71	105.2	56.8	5110
01S/09E-05R01M	105.7	10-15-70	93.0	12.7	5110
		3-09-71	76.5	29.2	5110
01S/09E-07N01M	96.2	10-15-70	83.0	13.2	5110
		3-09-71	(1)		5110
01S/09E-09R01M	127.6	10-15-70	91.0	36.6	5110
		3-09-71	83.0	44.6	5110
01S/09E-11J01M	140.0	10-00-70	79.7	60.3	4520
		3-00-71	77.6	62.4	4520
01S/09E-18R03M	103.8	10-15-70	82.8	21.0	5110
		3-09-71	76.3	27.5	5110
01S/09E-19Q02M	97.5	10-15-70	(1)		5110
		3-09-71	(1)		5110
SOUTH SAN JOAQUIN IRRIGATION DISTRICT 5-22.05					
01S/06E-24H02M	23.0	10-19-70	9.1	13.9	5050
		3-09-71	9.5	13.5	5050
01S/07E-17N02M	30.0	10-19-70	9.1	20.9	5050
		3-09-71	12.4	17.6	5050
01S/07E-23N01M	45.0	10-19-70	16.2	28.8	5050
		3-09-71	19.6	25.4	5050
01S/07E-25R01M	56.0	10-19-70	22.3	33.7	5050
		3-09-71	24.1	31.9	5050
01S/07E-28D01M	34.0	10-14-70	7.1	26.9	5050
		3-11-71	9.3	24.7	5050
01S/07E-29N02M	30.0	10-19-70	8.6	21.4	5050
		3-09-71	8.7	21.3	5050
01S/07E-33H01M	40.0	10-14-70	10.1	29.9	5050
		3-11-71	11.4	28.6	5050
SOUTH SAN JOAQUIN IRRIGATION DISTRICT 5-22.05 (Continued)					
01S/07E-35Q01M	49.0	10-19-70	8.7	40.3	5050
		3-09-71	(1)		5050
01S/08E-25Q01M	90.5	10-14-70	47.9	42.6	5110
		3-09-71	45.6	44.9	5110
01S/08E-27A01M	75.0	10-19-70	53.9	21.1	5050
		3-09-71	50.3	24.7	5050
01S/08E-33N01M	67.0	10-14-70	31.2	35.8	5050
		3-11-71	30.2	36.8	5050
01S/08E-35R02M	88.0	10-19-70	39.3	48.7	5050
		3-09-71	39.9	48.1	5050
01S/09E-33J01M	125.0	3-09-71	44.3	80.7	5050
01S/09E-36A01M	145.0	10-00-70	52.7	92.3	4520
		3-00-71	52.9	92.1	4520
02S/07E-07Q01M	28.0	10-19-70 (1)	36.7	-8.7	5050
		3-09-71	7.5	20.5	5050
02S/07E-08R01M	36.9	10-19-70	11.7	25.2	5050
		3-09-71	11.1	25.8	5050
02S/07E-10B01M	46.0	10-19-70	14.3	31.7	5050
		3-09-71	14.4	31.6	5050
02S/07E-12G01M	56.0	10-19-70	13.7	42.3	5050
		3-09-71	14.0	42.0	5050
02S/07E-12R01M	55.0	10-14-70	17.8	37.2	5050
		3-11-71	17.7	37.3	5050
02S/07E-12R02M	55.0	10-14-70	15.1	39.9	5050
		3-11-71	15.0	40.0	5050
02S/07E-20R02M	32.0	10-19-70	7.8	24.2	5050
		3-09-71	8.0	24.0	5050
02S/07E-22J01M	44.0	10-19-70	(2)		5050
		3-09-71	8.0	36.0	5050
02S/07E-24R02M	56.0	10-19-70	16.9	39.1	5050
		3-09-71	16.5	39.5	5050
02S/07E-34R01M	45.0	10-19-70	12.7	32.3	5050
		3-09-71	12.6	32.4	5050
02S/08E-09J01M	73.0	10-19-70	17.3	55.7	5050
		3-09-71	20.9	52.1	5050
02S/08E-14E01M	79.0	10-19-70	17.7	61.3	5050
		3-09-71	23.3	55.7	5050
02S/08E-17N01M	64.0	10-19-70	20.9	43.1	5050
		3-09-71	21.1	42.9	5050
02S/09E-02E01M	135.0	10-14-70	39.8	95.2	5050
		10-15-70	43.0	92.0	5110
		3-09-71	44.5	90.5	5110
		3-12-71	40.1	94.9	5050
02S/09E-05C01M	110.0	10-19-70	35.5	74.5	5050
		3-09-71	37.7	72.3	5050
02S/09E-09Q01M	120.0	10-19-70	32.2	87.8	5050
		3-09-71	37.0	83.0	5050
02S/09E-11K01M	139.0	10-19-70	38.1	100.9	5050
		3-09-71	40.6	98.4	5050
02S/09E-18E01M	94.0	10-19-70	16.1	77.9	5050
		3-09-71	27.1	66.9	5050
02S/09E-19B02M	89.0	10-14-70	20.3	68.7	5050
		3-12-71	(1)		5050
DELTA AREA 5-22.52					
01N/06E-27R01M	11.0	10-21-70	27.6	-16.6	5050
		3-09-71	23.6	-12.6	5050
03N/05E-16A01M	-3.0	10-13-70	(3)		5110
		3-15-71	(3)		5110

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
DELTA AREA 5-22.52 (Continued)					
01S/05E-35Q02M	8.0	10-13-70	7.5	0.5	5110
		3-10-71	7.0	1.0	5110
01S/06E-02G02M	16.0	10-21-70	30.0	-14.0	5050
		3-09-71	23.5	-7.5	5050
01S/06E-04A02M	8.5	10-14-70	7.2	1.3	5050
		3-11-71	5.2	3.3	5050
01S/06E-09J01M	7.0	10-21-70	10.7	-3.7	5050
		3-09-71	7.1	-0.1	5050
01S/06E-11D01M	14.8	10-30-70	27.6	-12.8	5050
		11-30-70	26.1	-11.3	5050
		12-30-70	24.7	-9.9	5050
		1-28-71	23.6	-8.8	5050
		2-28-71	22.7	-7.9	5050
		3-31-71	22.6	-7.8	5050
		4-29-71	25.1	-10.3	5050
		6-01-71	25.3	-10.5	5050
		6-30-71	27.2	-12.4	5050
		7-30-71	31.2	-16.4	5050
		8-30-71	31.8	-17.0	5050
		9-29-71	30.8	-16.0	5050
01S/06E-12P01M	21.0	10-21-70	18.7	2.3	5050
		3-10-71	18.7	2.3	5050
01S/06E-22Q02M	10.0	10-14-70	8.8	1.2	5050
		3-11-71	6.7	3.3	5050
01S/06E-34K01M	9.0	10-19-70	9.7	-0.7	5050
		3-09-71	7.8	1.2	5050
01S/06E-36C01M	23.0	10-19-70	11.3	11.7	5050
		3-09-71	11.4	11.6	5050
02S/06E-02H01M	20.0	10-19-70	10.6	9.4	5050
		3-09-71	9.3	10.7	5050
02S/06E-11J01M	20.0	10-14-70	11.2	8.8	5050
		3-11-71	9.2	10.8	5050
02S/06E-25R01M	23.0	10-19-70	8.4	14.6	5050
		3-09-71	8.3	14.7	5050
03S/07E-05J01M	34.0	10-19-70	8.3	25.7	5050
		3-09-71	10.2	23.8	5050
03S/07E-06Q01M	26.0	10-14-70	5.1	20.9	5050
		3-11-71	7.5	18.5	5050
LAHONTAN REGION 6-00.00					
SURPRISE VALLEY 6-01.00					
40N/16E-36G01M	4625.2	10-20-70	73.0	4552.2	5050
		3-29-71	63.3	4561.9	5050
		3-30-71	(0)		5050
40N/16E-36G02M	4625.0	10-20-70	76.3	4548.7	5050
		3-29-71	63.5	4561.5	5050
		4-21-71	63.5	4561.5	5050
		5-19-71	(1)		5050
		6-16-71	54.1	4570.9	5050
		7-20-71	57.0	4568.0	5050
		8-18-71	(1)		5050
		9-22-71	(8)		5050
41N/16E-27Q01M	4657.2	10-20-70	28.8	4628.4	5050
		3-29-71	16.7	4640.5	5050
		4-21-71	15.3	4641.9	5050
		5-19-71	18.0	4639.2	5050
		6-16-71	13.5	4643.7	5050
		7-20-71	14.3	4642.9	5050
		8-18-71	17.3	4639.9	5050
		9-22-71	21.7	4635.5	5050
41N/16E-35D02M	4621.5	10-20-70	(1)		5050
		3-29-71	38.0	4583.5	5050
		4-21-71	36.5	4585.0	5050
		5-19-71	36.0	4585.5	5050
		6-16-71	33.8	4587.7	5050
		7-21-71	(1)		5050
		8-18-71	34.4	4587.1	5050
		9-22-71	(1)		5050
SURPRISE VALLEY 6-01.00 (Continued)					
42N/16E-17K01M	4651.6	10-20-71	26.6	4625.0	5050
		3-29-71	23.7	4627.9	5050
		4-21-71	23.0	4628.6	5050
		5-19-71	21.0	4630.6	5050
		6-16-71	26.6	4625.0	5050
		7-20-71	(1)		5050
		8-17-71	29.9	4621.7	5050
		9-22-71	25.4	4626.2	5050
43N/16E-17D01M	4687.4	10-20-70	32.3	4655.1	5050
		3-29-71	31.7	4655.7	5050
		4-21-71	31.6	4655.8	5050
		5-19-71	31.2	4656.2	5050
		6-16-71	30.8	4656.6	5050
		7-20-71	30.5	4656.9	5050
		8-17-71	30.2	4657.2	5050
		9-22-71	30.0	4657.4	5050
46N/16E-04Q01M	4600.0	10-20-70	71.9	4528.1	5050
		3-29-71	69.0	4531.0	5050
		4-21-71	68.8	4531.2	5050
		5-19-71	68.0	4532.0	5050
		6-16-71	68.5	4531.5	5050
		7-20-71	69.4	4530.6	5050
		8-17-71	(7)		5050
		9-22-71	71.9	4528.1	5050
MADELINE PLAINS 6-02.00					
35N/13E-26J02M	5296.0	10-21-70	50.5	5245.5	5050
		3-30-71	50.0	5246.0	5050
37N/13E-09J01M	5342.4	10-21-70	15.4	5327.0	5050
		3-30-71	9.7	5332.7	5050
HONEY LAKE VALLEY 6-04.00					
26N/16E-15E03M	4106.1	10-21-70	56.2	4049.9	5050
		3-30-71	57.0	4049.1	5050
		4-22-71	57.3	4048.8	5050
		5-24-71	57.3	4048.8	5050
		6-17-71	57.3	4048.8	5050
		7-21-71	57.6	4048.5	5050
		8-19-71	57.9	4048.2	5050
		9-23-71	59.2	4046.9	5050
27N/15E-32G01M	4052.8	10-21-70	16.6	4036.2	5050
		3-30-71	17.0	4035.8	5050
		4-22-71	15.2	4037.6	5050
		5-20-71	10.0	4042.8	5050
		6-17-71	6.6	4046.2	5050
		7-21-71	6.2	4046.6	5050
		8-19-71	8.0	4044.8	5050
		9-23-71	11.8	4041.0	5050
28N/13E-11R01M	4068.6	10-21-70	27.0	4041.6	5050
		3-30-71	17.9	4050.7	5050
		4-22-71	17.6	4051.0	5050
		5-20-71	17.4	4051.2	5050
		6-17-71	16.9	4051.7	5050
		7-21-71	(1)		5050
		8-19-71	(1)		5050
		9-23-71	(1)		5050
29N/12E-05J01M	4172.3	10-21-70	13.9	4158.4	5050
		3-30-71	10.2	4162.1	5050
		4-22-71	11.2	4161.1	5050
		5-20-71	10.7	4161.6	5050
		6-17-71	10.7	4161.6	5050
		7-21-71	13.2	4159.1	5050
		8-19-71	13.4	4158.9	5050
		9-23-71	13.2	4159.1	5050
29N/14E-17R02M	4046.9	10-21-70	7.0	4039.9	5050
		3-30-71	5.0	4041.9	5050
		4-22-71	5.1	4041.8	5050
		5-20-71	5.9	4041.0	5050
		6-17-71	5.0	4041.9	5050
		7-21-71	3.8	4043.1	5050
		8-19-71	(7)		5050
		9-23-71	4.5	4042.4	5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
TAHOE VALLEY 6-05.00					
SOUTH TAHOE VALLEY 6-05.01					
11N/18E-05N01M	6396.1	5-18-71 (1)	13.5	6382.6	5050
11N/18E-08M01M	6435.5	10-27-70	8.9	6426.6	5050
		11-20-70	8.8	6426.7	5050
		12-24-70	(9)		5050
		1-25-71	(9)		5050
		2-23-71	(9)		5050
		3-29-71	(9)		5050
		4-27-71	5.2	6430.3	5050
		5-18-71	4.9	6430.6	5050
12N/18E-01D04M	7280.0	5-20-71	13.5	7266.5	5050
12N/18E-02B01M	6274.1	5-20-71	30.3	6243.8	5050
12N/18E-02C01M	6274.3	5-20-71	(3)		5050
12N/18E-02C09M	6291.1	10-27-70	50.5	6240.6	5050
		11-20-70	50.4	6240.7	5050
		12-24-70	50.1	6241.0	5050
		1-25-71	50.3	6240.8	5050
		2-23-71	50.3	6240.8	5050
		3-29-71	50.2	6240.9	5050
		4-27-71	49.3	6241.8	5050
		5-20-71	48.7	6242.4	5050
12N/18E-03A01M	6270.4	5-19-71 (4)	25.8	6244.6	5050
12N/18E-03C10M	6263.2	5-19-71	26.3	6236.9	5050
12N/18E-03D05M	6253.4	5-19-71	16.6	6236.8	5050
12N/18E-03D08M	6261.9	5-19-71	29.3	6232.6	5050
12N/18E-04A05M	6254.4	5-19-71	21.6	6232.8	5050
12N/18E-04B02M	6236.7	10-27-70	8.1	6228.6	5050
		11-20-70	7.9	6228.8	5050
		12-24-70	7.2	6229.5	5050
		1-25-71	7.0	6229.7	5050
		2-23-71	7.2	6229.5	5050
		3-29-71	6.9	6229.8	5050
		4-27-71	7.1	6229.6	5050
		5-19-71	7.1	6229.6	5050
12N/18E-04L01M	6264.0	5-19-71	25.2	6238.8	5050
12N/18E-05A02M	6239.7	5-19-71	5.5	6234.2	5050
12N/18E-05C02M	6257.6	5-19-71	19.6	6238.0	5050
12N/18E-05H01M	6256.3	10-27-70	14.9	6241.4	5050
		11-20-70	14.6	6241.7	5050
		12-24-70	13.9	6242.4	5050
		1-25-71	13.8	6242.5	5050
		2-23-71	13.2	6243.1	5050
		3-29-71	12.4	6243.9	5050
		4-27-71	11.7	6244.6	5050
		5-19-71	12.1	6244.2	5050
12N/18E-05K01M	6271.0	5-19-71	29.7	6241.3	5050
12N/18E-06R01M	6670.0	5-19-71 (1)	45.3	6624.7	5050
12N/18E-09D03M	6298.0	5-20-71 (1)	60.4	6237.6	5050
12N/18E-16M01M	6297.9	5-18-71	23.6	6274.3	5050
12N/18E-21D01M	6283.0	5-18-71 (1)	10.6	6272.4	5050
12N/18E-29L01M	6335.0	10-27-70	20.6	6315.4	5050
		11-20-70	20.8	6315.2	5050
		12-24-70	(9)		5050
		1-25-71	(9)		5050
		2-23-71	(9)		5050
		3-29-71	16.8	6318.2	5050
		4-27-71	12.4	6322.6	5050
		5-18-71	12.8	6322.2	5050
12N/18E-29N01M	6337.7	5-18-71	24.2	6313.5	5050
13N/17E-35G01M	6278.6	5-19-71	29.1	6249.5	5050
SOUTH TAHOE VALLEY 6-05.01 (Continued)					
13N/18E-27K01M	6276.7	10-27-70	36.8	6239.9	5050
		11-20-70	37.7	6239.0	5050
		12-24-70	36.6	6240.1	5050
		1-25-71	37.3	6239.4	5050
		2-23-71	(3)		5050
		3-29-71	36.5	6240.2	5050
		4-27-71	36.2	6240.5	5050
		5-20-71	37.0	6239.7	5050
13N/18E-33K01M	6242.0	5-19-71	14.0	6228.0	5050
13N/18E-33M01M	6253.1	10-27-70	26.6	6226.5	5050
		11-20-70	24.4	6228.7	5050
		12-24-70	25.0	6228.1	5050
		1-25-71	24.2	6228.9	5050
		2-23-71	23.8	6229.3	5050
		3-29-71	23.7	6229.4	5050
		4-27-71	25.1	6228.0	5050
		5-20-71	24.9	6228.2	5050
13N/18E-33R05M	6265.6	5-20-71	27.3	6238.3	5050
13N/18E-34M02M	6262.8	5-20-71	23.9	6238.9	5050

Appendix D

SURFACE WATER QUALITY

INTRODUCTION

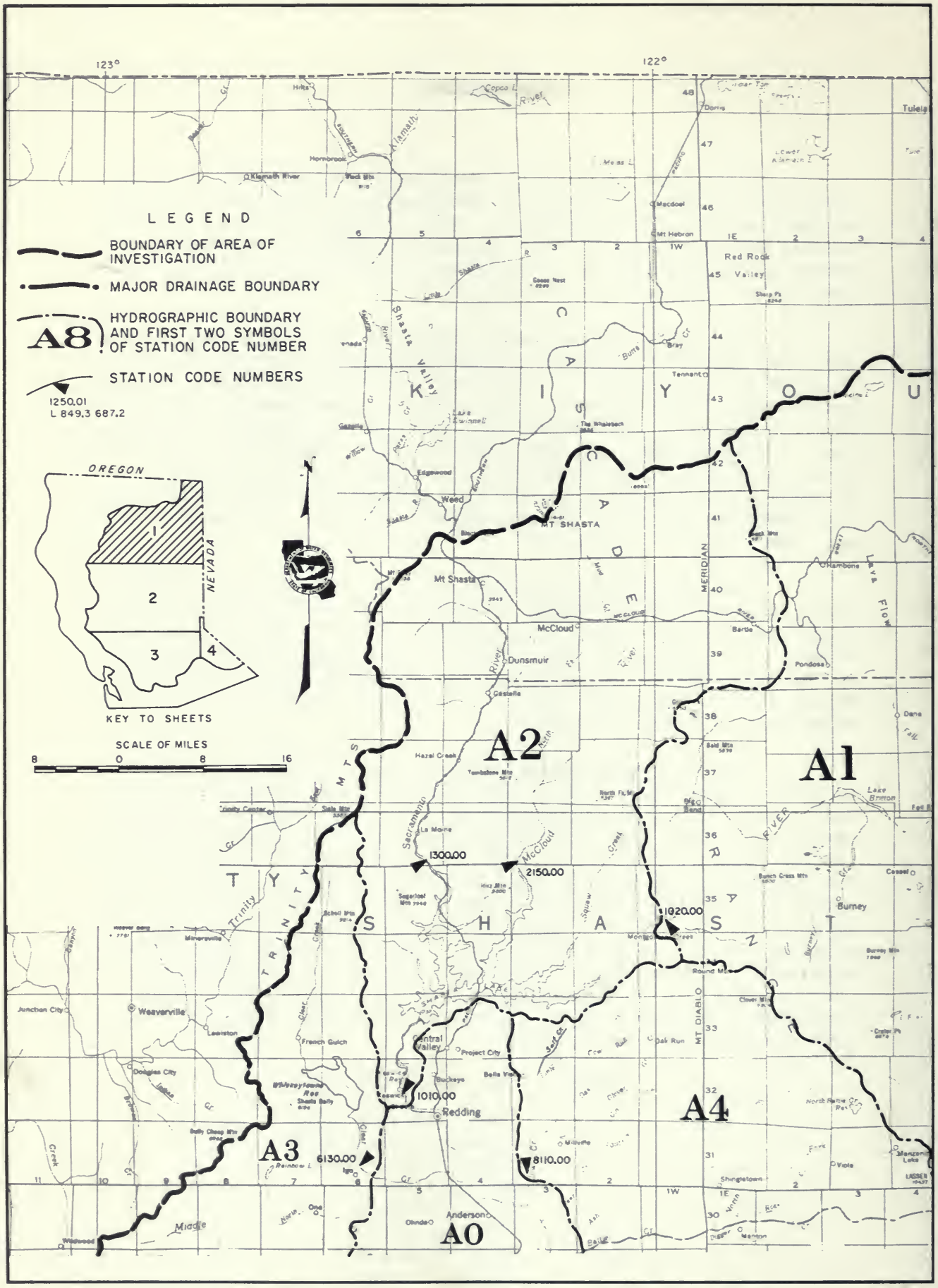
This appendix contains surface water quality data for 204 stream and estuarine stations in Northeastern California collected during the period from October 1, 1970, through September 30, 1971. Samples were collected by the Department of Water Resources, U. S. Bureau of Reclamation, U. S. Geological Survey, and six local water agencies in Yuba and Sutter Counties.

The Department of Water Resources Laboratory used procedures from the latest edition of "Standard Methods for the Examination of Water and Wastewater", for the determination of mineral, nutrient, and biological constituents. Pesticides are determined in accordance with the "Guide to the Analysis of Pesticide Residues", U. S. Department of Health, Education and Welfare, 1965. Laboratory services for the U. S. Bureau of Reclamation are provided by the U. S. Air Force at McClellan Air Force Base. It uses procedures in accordance with the "FWPCA Methods for Chemical Analysis of Water and Wastes", November 1968, for all parameters.

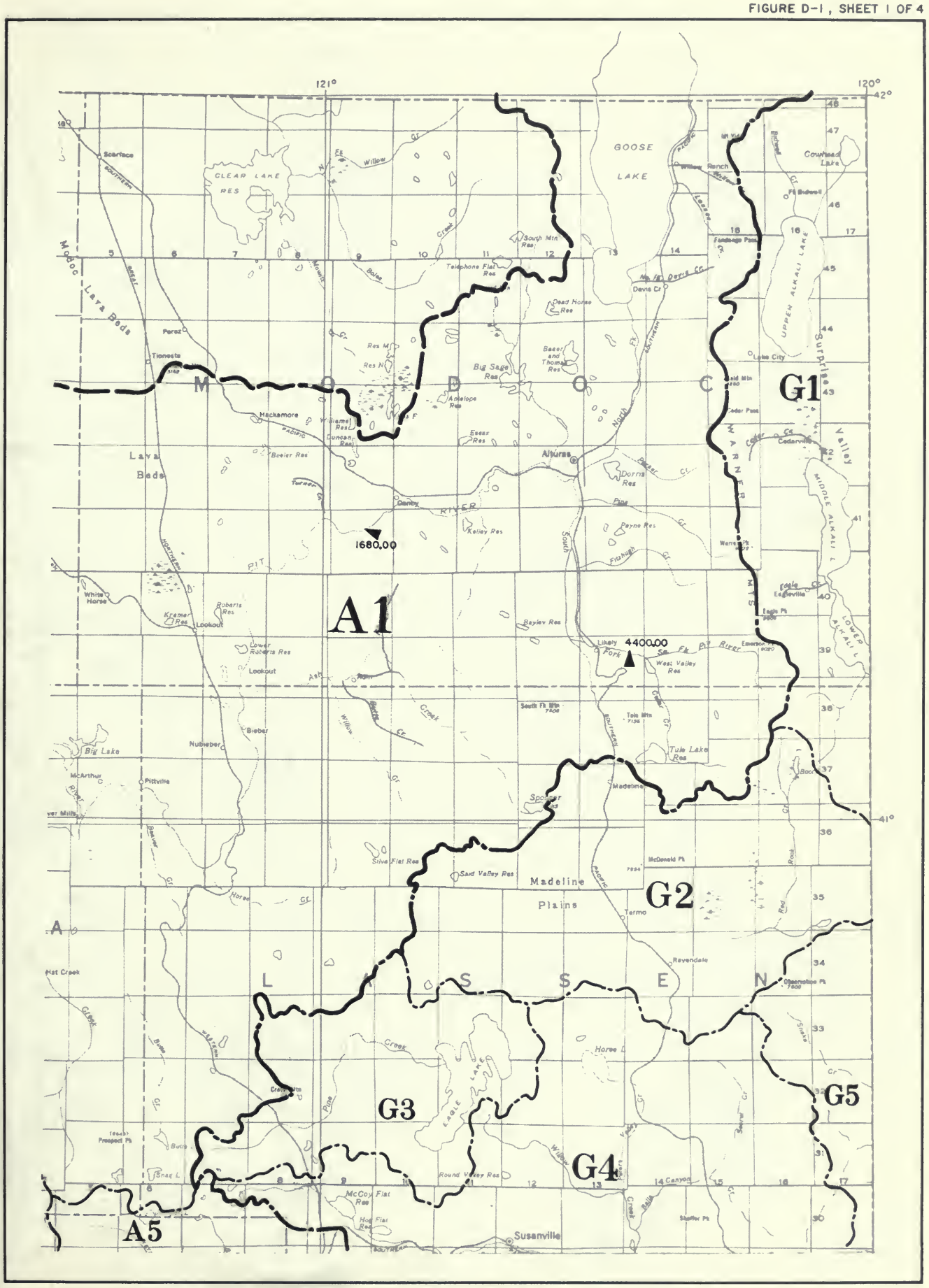
Two numbering systems are used in this bulletin for identifying water quality stations. The first is for those stations for which the flow of water can be measured readily, as in streams and rivers. This system is that which has been used in prior editions of the Bulletin No. 130 series and is also described in the Department's Bulletin No. 157, "Index of Stream Gaging Stations in and Adjacent to California, 1970".

The second 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 11. The third digit identifies the type of water body and for this publication is a "B" for Bay system; "C" for canal; "D" for Sacramento-San Joaquin Delta system; "L" for lake; "R" for reservoir; "S" for slough; "V" for drain; and "X" for a channel of two-direction flow. The next digit is the last digit of the latitude in degrees, "3" for 33°, or "9" for 29°. The last 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 8-digit latitude and longitude numbers.

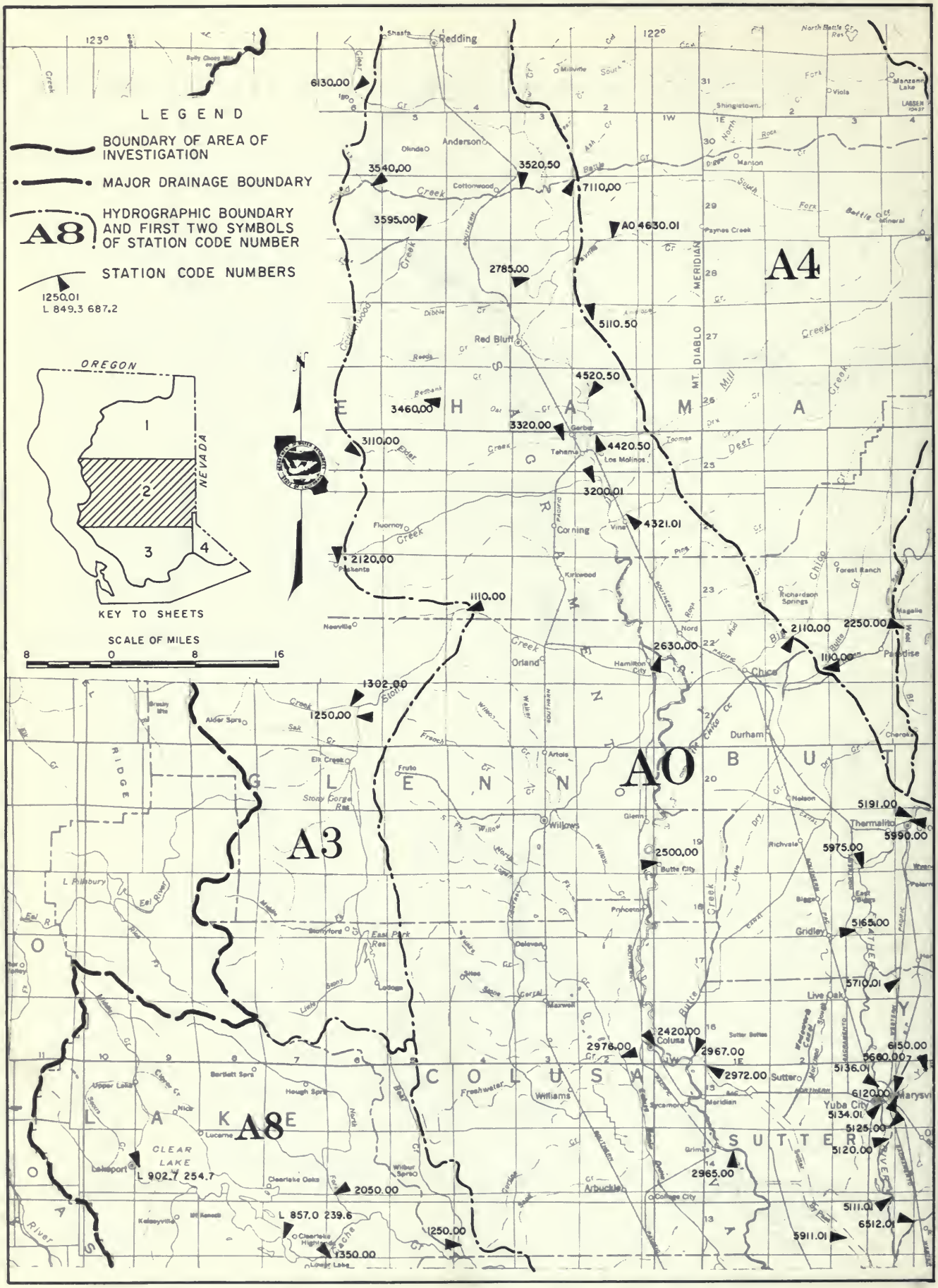
<u>Example</u>:	G7 L 904.5 008.4 2
G7	North Lahontan Area, Truckee River Unit
L	Water Body -- Lake
9	39° Latitude
04.5	04.5' Latitude
0	120° Longitude
08.4	08.4' Longitude
2	Second Station



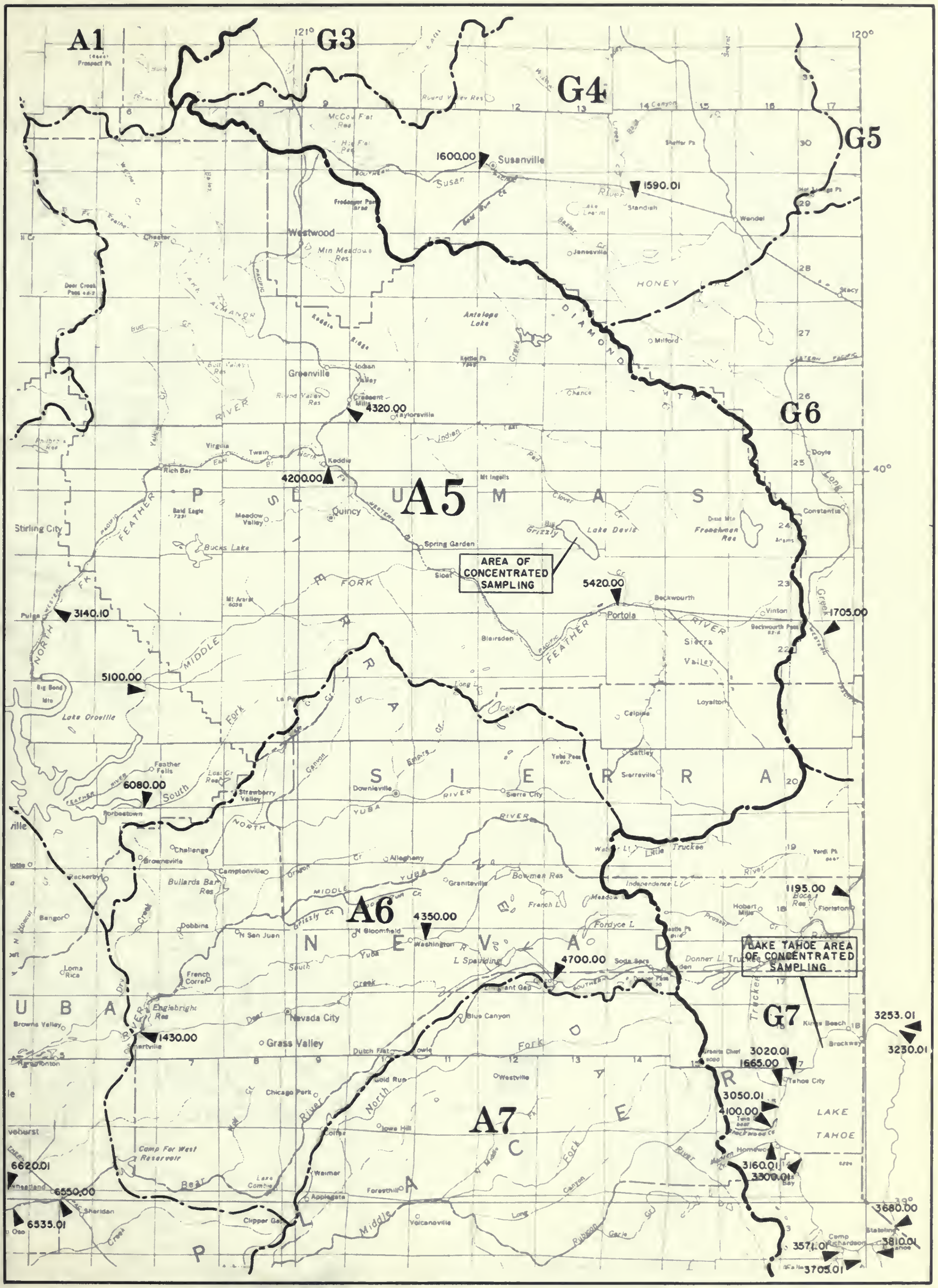
SURFACE WATER QUALITY SAMPLING STATIONS



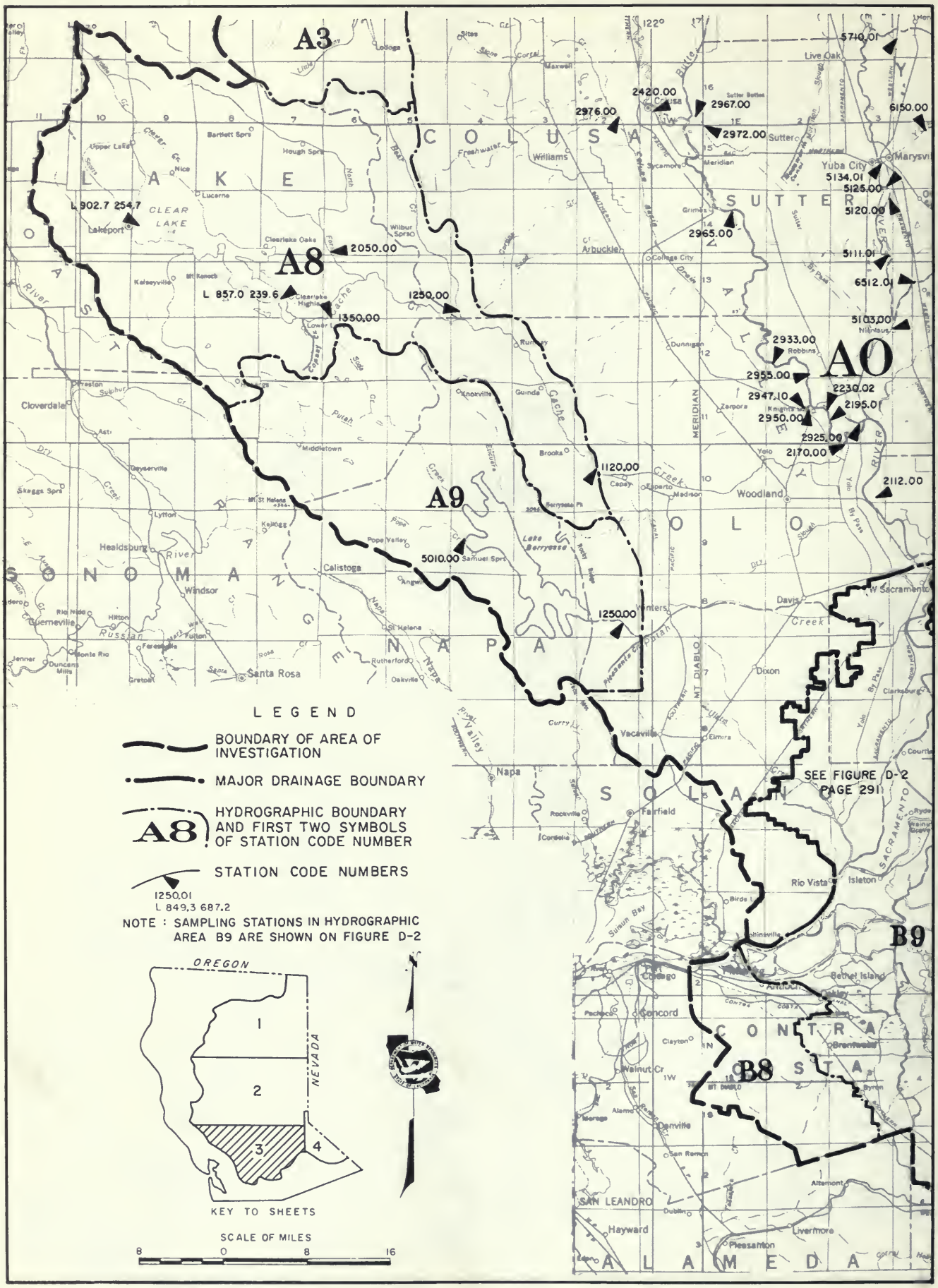
SURFACE WATER QUALITY SAMPLING STATIONS



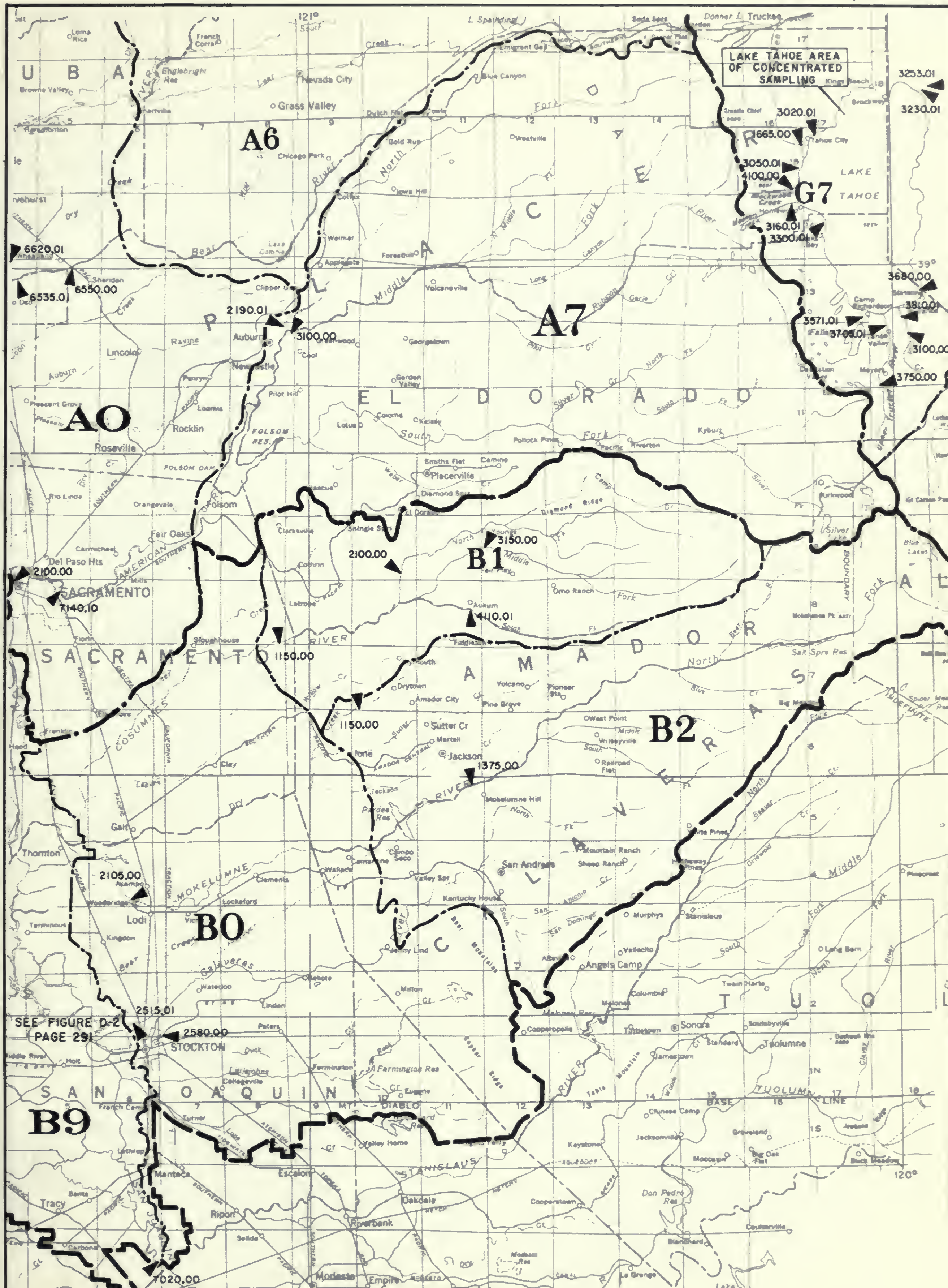
SURFACE WATER QUALITY SAMPLING STATIONS



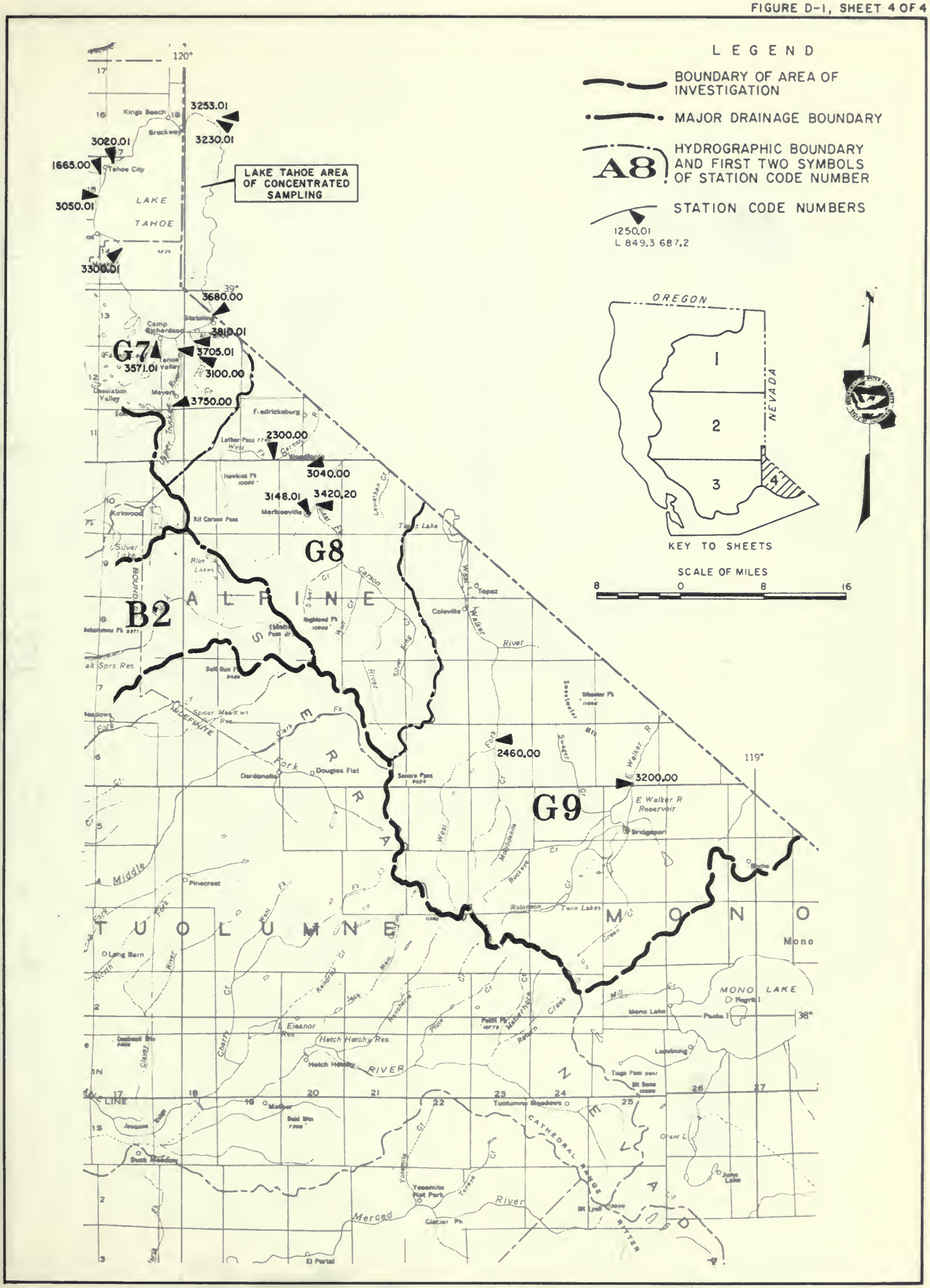
SURFACE WATER QUALITY SAMPLING STATIONS



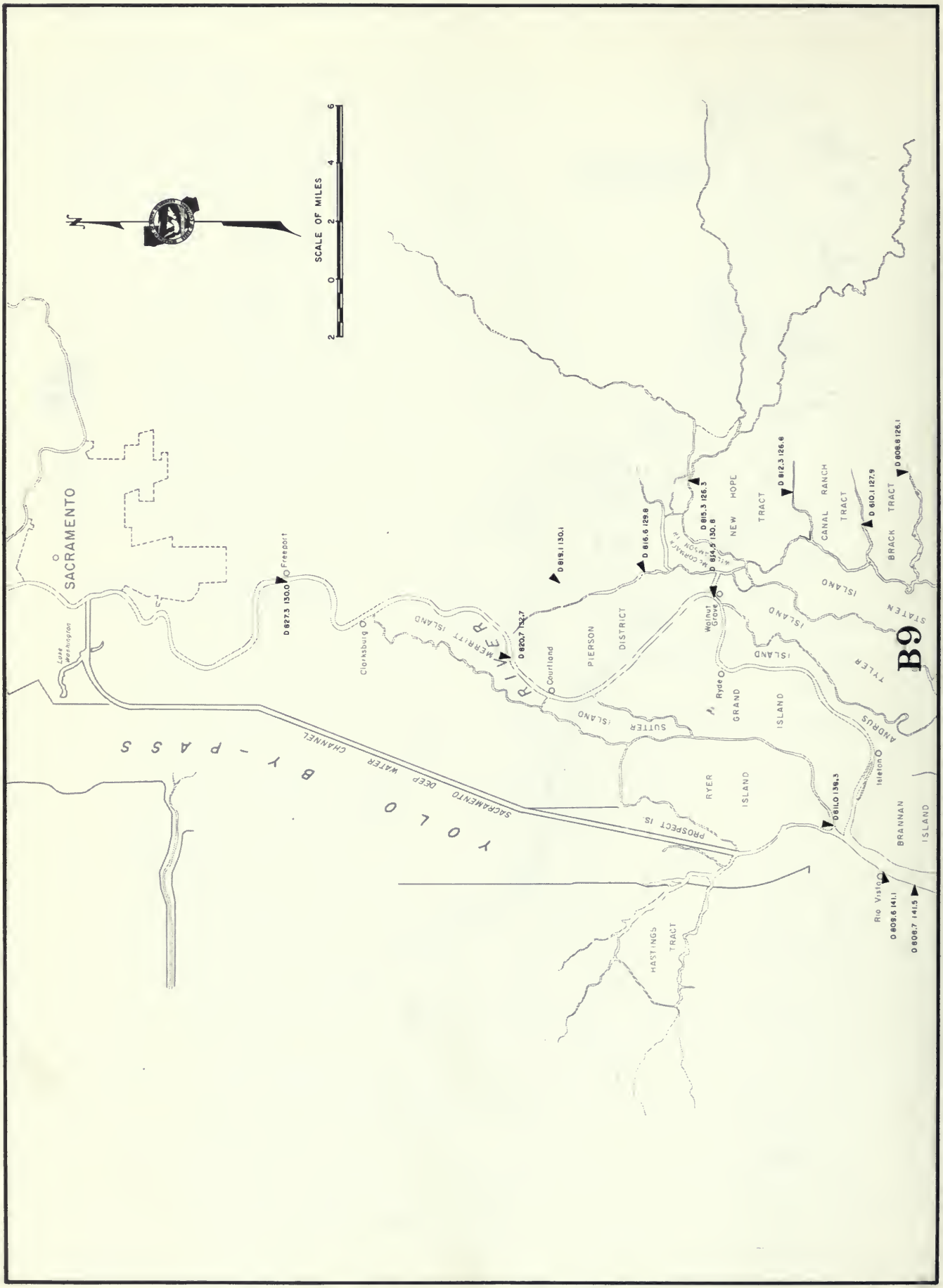
SURFACE WATER QUALITY SAMPLING STATIONS



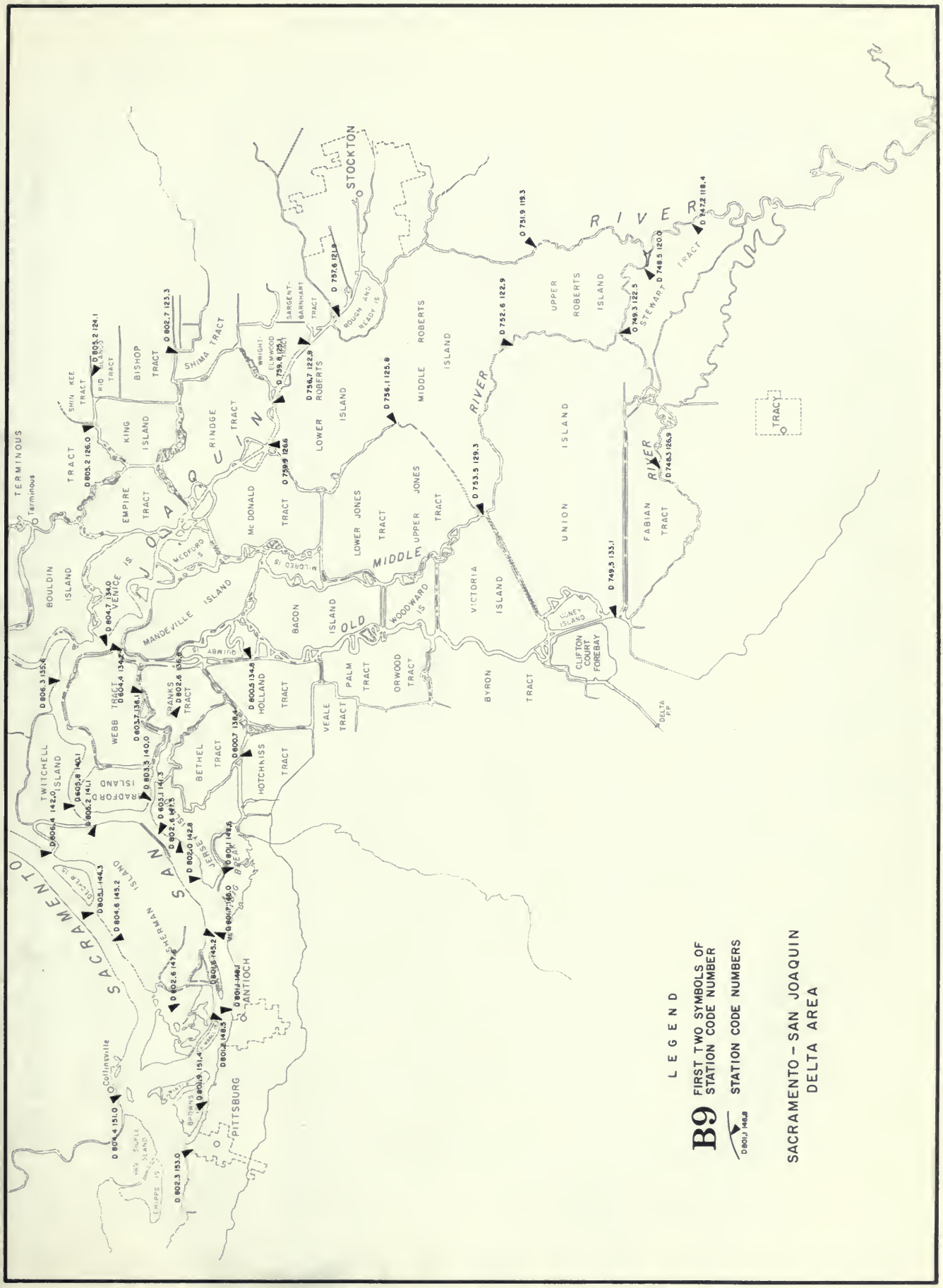
SURFACE WATER QUALITY SAMPLING STATIONS



SURFACE WATER QUALITY SAMPLING STATIONS



SURFACE WATER QUALITY SAMPLING STATIONS



SURFACE WATER QUALITY SAMPLING STATIONS

TABLE D-1

SAMPLING STATION DATA AND INDEX

Station	Station Number	Location: Latitude ° ' "	Location: Longitude ° ' "	Beginning of Record	Frequency of Sampling	Data on pages indicated: Tables D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9	D-10	Figures D-1	D-2
AMERICAN RIVER, MIDDLE FORK, NEAR AUBURN	A7 3100.00	38 54 51	121 02 07	May 1952	Special	313	352								287	
AMERICAN RIVER, NF ABOVE MF, AT AUBURN	A7 2190.01	38 55 34	121 02 20	May 1952	Special	313	352								287	
AMERICAN RIVER AT SACRAMENTO WATER PLANT	A0 7140.10	38 33 35	121 24 57	Oct. 1958	Continuous	307	349				410				284	
ANTELOPE CREEK NEAR MOUTH NEAR RED BLUFF	A0 4520.50	40 06 30	122 06 35	Oct. 1958	Semiannually	303	348								284	
ANTELOPE CREEK NEAR RED BLUFF	A4 5110.50	40-12-10	122 07 05	Nov. 1958	Semiannually	311									284	
BATTLE CREEK NEAR COTTONWOOD	A4 7110.00	40-23 50	122 08 05	April 1958	Semiannually	311	351								284	
BEAR CREEK NEAR RUMSEY	A8 1250.00	38 56 38	122 20 34	Oct. 1968	Monthly	314	353								286	
BEAR RIVER AT FORTY MILE ROAD NEAR WHEATLAND	A0 6535.01	38 59 04	121 29 12	March 1970	Special	306		381							287	
BEAR RIVER NEAR RIO OSO	A0 6512.01	38 58 26	121 32 27	Feb. 1970	Special	306		381							285	
BEAR RIVER NEAR WHEATLAND	A0 6550.00	39 00 01	121 24 20	Dec. 1951	Continuous	306	349	381			409				287	
BEAVER SLOUGH NEAR THORNTON	B9 D 812.3 126.8	38 12 15	121 26 46	Jan. 1968	Monthly	334	367	388								290
BIG BREAK NEAR OAKLEY	B9 0 801.1 142.6	38 01 05	121 42 38	March 1968	Monthly	324	357	385	394							291
BIG CHICO CREEK NEAR CHICO	A4 2110.00	39 46 35	121 45 45	July 1952	Bimonthly	311	351								284	
BLACKWOOD CREEK NEAR TAHOE CITY	G7 4110.00	39 06 27	120 09 37		Special	342	374								285	
BUTTE CREEK NEAR CHICO	A4 1110.00	39 43 34	121 42 28	July 1952	Bimonthly	311	351								284	
BUTTE SLOUGH NEAR MERIDIAN	A0 2972.00	39 10 15	121 54 00	Feb. 1971	Monthly	300	348								284	
BUTTE SLOUGH AT OUTFALL GATES	A0 2967.00	39 11 42	121 56 06	Aug. 1969	Monthly	300		379							284	
BURTON CREEK IN STAR HARBOR (STATION T-8)	G7 3020.01	39 10 54	120 07 08	Aug. 1971	Special	341	373	391							285	
CACHE CREEK NEAR CAPAY	A8 1120.00	38 43 43	122 06 14	Dec. 1951	Continuous	314	353				411				286	
CACHE CREEK NEAR LOWER LAKE	A8 1350.00	38 55 24	122 33 54	Nov. 1951	Monthly	315	353	384							284	
CACHE CREEK, NORTH FORK, NEAR LOWER LAKE	A8 2050.00	39 01 06	122 34 05	Dec. 1951	Monthly	315	353								284	
CALAVERAS RIVER AT STOCKTON	B0 2515.01	37 59 35	121 17 11	July 1958	Special	317	353								287	
CARSON RIVER, EF, AT HWY 4 BRIDGE NEAR MARKLEEVILLE	G8 3420.20	38 41 20	119 45 44	Sept. 1958	Semiannually	343	374								289	
CARSON RIVER, WEST FORK, AT WOODFORDS	G8 2300.00	38 46 10	119 50 00	Aug. 1958	Semiannually	342	374								289	
CLEAR CREEK NEAR ICO	A3 6130.00	40 30 47	122 31 24	April 1958	Semiannually	311	351								282	
CLEAR LAKE NEAR CLEARLAKE HIGHLANDS	A8 L 857.0 239.61	38 58 05	122 39 46	Nov. 1968	Bimonthly	313		383							284	
CLEAR LAKE AT LAKEPORT	A8 L 902.7 254.71	39 02 36	122 54 48	April 1951	Monthly	313		383							284	
COLUSA BASIN DRAIN AT HIGHWAY 20	A0 2976.00	39 11 45	122 03 35	July 1962	Monthly	301	348								284	
COLUSA BASIN DRAIN NEAR KNIGHTS LANDING	A0 2947.10	38 48 45	121 46 25	March 1967	Continuous	298	347	377			406				286	
COSUMNES RIVER AT MICHIGAN BAR	B1 1150.00	38 30 01	121 02 40	July 1952	Continuous	318	354				414				287	
COSUMNES RIVER, MIDDLE FORK, NEAR SOMERSET	B1 3150.00	38 37 29	120 42 02	Oct. 1967	Bimonthly	319									287	
COSUMNES RIVER, NORTH FORK, NEAR EL DORADO	B1 2100.00	38 52 20	120 50 38		Bimonthly	318									287	
COSUMNES RIVER, SOUTH FORK, AT RIVER PINES	B1 4110.01	38 32 48	120 44 10	Oct. 1967	Bimonthly	319									287	
COTTONWOOD CREEK AT COTTONWOOD	A0 3520.50	40 22 35	122 16 45	April 1951	Monthly	301	348								284	
COTTONWOOD CREEK BELOW NORTH FORK COTTONWOOD CREEK	A0 3540.00	40 23 00	122 29 10	Oct. 1958	Bimonthly	302									284	
COTTONWOOD CREEK, SOUTH FORK, NEAR COTTONWOOD	A0 3595.00	40 19 00	122 26 55	Nov. 1958	Bimonthly	302	348								284	
COW CREEK NEAR MILLVILLE	A4 8110.00	40 30 20	122 13 55	April 1958	Semiannually	311	351								282	
DEER CREEK AT HIGHWAY 99E NEAR VINA	A0 4321.01	39 56 48	122 03 06	May 1971	Monthly	302	348								284	
DISAPPOINTMENT SLOUGH NEAR LODI	B9 D 802.7 123.3	38 02 42	121 23 15		Monthly	328	362	387								291
DRY CREEK AT FORTY MILE ROAD NEAR RIO OSO	A0 6620.01	38 59 47	121 29 25	March 1970	Special	307		381							287	
DRY CREEK NEAR IONE	B2 1150.00	38 24 54	120 54 18	Oct. 1967	Bimonthly	319	354								287	
DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	B9 D 800.7 138.4	38 00 43	121 38 24	May 1955	Four-Day	323	357						420	423		291
EAST WALKER RIVER NEAR BRIDGEPORT	G9 3200.00	38 19 40	119 12 49	Aug. 1958	Semiannually	343	374								289	
EDGEWOOD CREEK AT STATE LINE (STATION T-7)	G7 3680.00	38 57 58	119 56 11	Aug. 1971	Special	342	373	391							285	
ELDER CREEK AT GERBER	A0 3320.00	40 03 05	122 09 55	Jan. 1959	Special		348								284	
ELDER CREEK NEAR PASKENTA	A3 3110.00	40 01 30	122 30 36	Oct. 1958	Semiannually	311									284	
FALSE RIVER AT BRADFORD ISLAND	B9 D 803.5 140.0	38 03 28	121 40 01	April 1965	Four-Day								420	423		291
FALSE RIVER AT WEBB PUMP	B9 D 803.7 136.1	38 03 43	121 36 03	Feb. 1968	Bimonthly	329	363									291
FEATHER RIVER NEAR GRIDLEY	A0 5165.00	39 22 01	121 38 43	March 1967	Special	304	349	380				419			284	
FEATHER RIVER AT NICOLAUS	A0 5103.00	38 54 01	121 35 00	March 1949	Monthly	303	348	379				419			286	
FEATHER RIVER AT OROVILLE	A0 5191.00	39 31 07	121 32 50	March 1951	Special	305	349								284	
FEATHER RIVER AT SHANGHAI BEND	A0 5125.00	39 05 58	121 35 40	March 1970	Special	304		380							284	
FEATHER RIVER BELOW SHANGHAI BEND	A0 5120.00	39 04 44	121 36 08	July 1958	Special	304		379							284	
FEATHER RIVER BELOW STAR BEND	A0 5111.01	39 00 32	121 34 42	Feb. 1958	Special	303		379							284	
FEATHER RIVER AT YUBA CITY DIVERSION	A0 5136.01	39 09 35	121 36 37	Sept. 1969	Special	304		380							284	
FEATHER RIVER ABOVE YUBA RIVER AT YUBA CITY	A0 5134.01	39 07 45	121 35 55	Feb. 1970	Special	304		380							284	
FEATHER RIVER, MIDDLE FORK, NEAR MERRIMAC	A5 5100.00	39 42 30	121 16 15	July 1963	Special	312	352								285	
FEATHER RIVER, MIDDLE FORK, NEAR PORTOLA	A5 5420.00	39 42 19	120 26009	May 1971	Special	312	352								285	
FEATHER RIVER, NORTH FORK, ABOVE FLEA VALLEY CREEK	A5 3140.10	39 48 09	121 26 57	July 1963	Special	312	352								285	
FEATHER RIVER, SOUTH FORK, BELOW PONDEROSA DAM	A5 6080.00	39 33 05	121 18 30	July 1958	Special	312	352								285	
FEATHER RIVER, WEST BRANCH, NEAR PARADISE	A5 2250.00	39 47 15	121 33 40	Oct. 1967	Special	312	352								284	
FEATHER RIVER FISH HATCHERY	A0 5990.00	39 31 05	121 33 11	March 1969	Continuous					399					284	
FRANKS TRACT NEAR RUSSOS LANDING	B9 D 802.6 136.8	38 02 38	121 36 49	April 1968	Bimonthly	326	360	386	395							291
FREEMAN CREEK, TRIBUTARY OF TRIBUTARY, AT LAKE DAVIS	A5 5486.53	39 55 17	120 32 56	April 1971	Special	312		383							285*	
GENERAL CREEK NEAR MEEKS BAY (STATION T-3)	G7 3300.01	39 03 15	120 06 49	July 1968	Semiannually	342	373	391							285	
GRINDSTONE CREEK NEAR ELK CREEK	A3 1302.00	39 40 48	122 31 52	April 1969	Bimonthly	310	351	382							284	
HOG SLOUGH NEAR THORNTON	B9 D 810.1 127.9	38 10 06	121 27 55		Monthly	334	367	388								290
INCLINE CREEK AT INCLINE VILLAGE (STATION T-2)	G7 3253.01	39 14 30	119 56 33	July 1968	Semiannually	342	373	391							285	
INDIAN CREEK NEAR CRESCENT MILLS	A5 4320.00	40 04 20	120 55 35	April 1951	Special	312	352								285	
INDIAN CREEK RESERVOIR OUTLET NEAR WOODFORDS	G8 3040.00	38 45 01	119 46 45	Sept. 1971	Special	343		391							289	
JACK SLOUGH AT MARYSVILLE	A0 5660.00	39 09 34	121 35 34	Sept. 1967	Special	305		380							284	
LAKE DAVIS IN COW CREEK CHANNEL	A5 R 954.9 032.1	39 54 54	120 32 05	June 1970	Special	312		383							285*	
LAKE DAVIS NEAR DAM (STATION 1)	A5 R 953.0 028.6	39 52 58	120 28 34	Sept. 1968	Special	312	351	383				419			285*	
LAKE DAVIS IN FREEMAN CREEK CHANNEL	A5 R 955.3 033.0	39 55 18	120 33 00	June 1970	Special	312		383							285*	
LAKE DAVIS IN BIG GRIZZLY CREEK CHANNEL	A5 R 955.7 033.7	39 55 40	120 33 42	June 1970	Special	312		383							285*	
LAKE DAVIS, MIDLAKE (STATION 2)	A5 R 954.9 030.3	39 54 55	120 30 20	May 1970	Special	312	352	383				419			285*	
LAKE DAVIS NEAR NORTH END (STATION 3)	A5 R 955.9 031.3	39 55 55	120 31 20	May 1970	Special	312	352	383				419			285*	
LAKE DAVIS TRIBUTARY NORTH OF COW CREEK	A5 5486.41	39 54 57	120 32 12	April 1971	Special	312		383							285*	
LAKE TAHOE NEAR CAMP RICHARDSON (STATION S-6)	G7 L 856.5 003.4	38 56 28	120 03 25	Aug. 1971	Special	339	372	390							285*	
LAKE TAHOE AT CHAMBERS LANDING PIER (STATION S-9)	G7 L 904.5 008.42	39 04 28	120 08 25	Aug. 1971	Special	340	372	390							285*	
LAKE TAHOE AT CHAMBERS LODGE (STATION L-9)	G7 L 904.5 008.4	39 04 29	120 08 23	July 1968	Semiannually	340	372	390							285*	
LAKE TAHOE AT GLENBROOK (STATION L-3)	G7 L 905.4 956.4	39 05 22	119 56 26	July 1968	Semiannually	340	372	390							285*	
LAKE TAHOE AT GLENBROOK BAY PIER (STATION S-3)	G7 L 905.3 956.4	39 05 13	119 56 24	Aug. 1971	Special	340	372	390							285*	
LAKE TAHOE AT INCLINE GUARD STATION (STATION L-4)	G7 L 914.3 956.8	39 14 18	119 56 45	July 1968	Semiannually	341	373	391							285*	
LAKE TAHOE AT KINGS BEACH PIER (STATION S-7)	G7 L 914.2 002.3	39 14 14	120 02 16	Aug. 1971	Special	341	373	391							285*	
LAKE TAHOE AT KINGS CASTLE PIER (STATION S-4)	G7 L 914.2 956.6	39 14 14	119 56 37	Aug. 1971	Special	341	373	391							285*	
LAKE TAHOE NEAR LAKE FOREST (STATION L-5)	G7 L 910.8 007.1	39 10 35	120 06 50	April 1965	Semiannually	341	372	390							285*	
LAKE TAHOE AT MEEKS BAY RESORT PIER (STATION S-12)	G7 L 902.3 007.2	39 02 19	120 07 14	Aug. 1971	Special	340	372	390							285*	
LAKE TAHOE, NORTH CENTER (STATION C-2)	G7 L 908.7 000.3	39 08 42	120 00 15	July 1968	Special	340	372	390							285*	
LAKE TAHOE AT PIER NR MOUTH OF WARD CREEK (STA S-11)	G7 L 907.8 009.2	39 07 50	120 09 09	Aug. 1971	Special	340	372	390							285*	
LAKE TAHOE AT RUBICON BAY (STATION L-2)	G7 L 900.9 006.8	39 00 52	120 06 48	July 1968	Semiannually	340	372	390							285*	
LAKE TAHOE AT RUBICON BAY PIER (STATION S-2)	G7 L 900.9 006.82	39 00 52	120 06 50	Aug. 1971	Special	340	372	390							285*	
LAKE TAHOE, SOUTH CENTER (STATION L-1)	G7 L 900.0 000.0	39 00 00	120 00 00	July 1968	Semiannually	339	372	390							285*	
LAKE TAHOE AT SURF AND SANDS PIER (STATION S-10)	G7 L 857.0 958.02	38 57 00	119 58 00	Aug. 1971	Special	339	372	390							285*	
LAKE TAHOE NEAR TAHOE KEYS (STATION L-1)	G7 L 856.4 000.6	38 56 22	120 00 34	July 1968	Semiannually	339	371	389							285*	
LAKE TAHOE AT TAHOE KEYS PIER (STATION S-1)	G7 L 856.3 000.5	38 56 18	120 00 29	Aug. 1971	Special		371	389							285*	
LAKE TAHOE AT TAHOE VISTA (STATION L-7)	G7 L 914.2 002.2	39 14 10	120 02 11	July 1968	Semiannually	341	373	391							285*	
LAKE TAHOE NEAR TAYLOR CREEK (STATION L-6)	G7 L 856.5 003.3	38 56 32	120 03 20	July 1968	Semiannually	339	372	389							285*	
LAKE TAHOE AT U. S. COAST GUARD PIER (STATION S-5)	G7 L 910.8 007.12	39 10 50	120 07 05	Aug. 1971	Special	341	372	391							285*	
LAKE TAHOE AT ZEPHYR COVE (STATION L-8)	G7 L 900.5 956.9	39 00 32	119 56 56	July 1968	Semiannually	340	372	390							285*	
LAKE TAHOE AT ZEPHYR COVE PIER (STATION S-8)	G7 L 900.4 956.9	39 00 26	119 56 56	Aug. 1971	Special	339	372	390							285*	
LONG VALLEY CREEK NEAR HALLELUJAH JUNCTION	G6 1705.00	39 46 55	120 04 14	March 1971	Bimonthly	339	371								285	

*Area of concentrated sampling.

TABLE D-1 (Cont.)

SAMPLING STATION DATA AND INDEX

Station	Station Number	Location: Latitude ° ' "	Location: Longitude ° ' "	Beginning of Record	Frequency of Sampling	Data on pages indicated: Tables D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9	D-10	Figures D-2	D-3
MADDEN CREEK NEAR MOUTH (STATION T-10)	G7 3160.01	39 05 27	120 09 43	Aug. 1971	Special	342	373	391							285	
MARKLEEVILLE CREEK AT MARKLEEVILLE	G8 3148.01	38 41 36	119 46 38	May 1971	Special	343	374								289	
McCLOUD RIVER ABOVE SHASTA LAKE	A2 2150.00	40 57 30	122 13 05	April 1951	Bimonthly	309	351								282	
MIDDLE RIVER AT BORDEN HIGHWAY	B9 D 753.5 129.3	37 53 28	121 29 20	Sept. 1968	Monthly	321	355	385								291
MIDDLE RIVER AT WILLIAMS BRIDGE NEAR HOLT	B9 D 752.6 122.9	37 52 35	121 22 56		Monthly	320	355	385								291
MILL CREEK NEAR MOUTH NEAR LOS MOLINOS	A0 4420.50	40 02 35	122 05 55	July 1952	Bimonthly	302	348								284	
MOKELUMNE RIVER NEAR MOKELUMNE HILL	B2 1375.00	38 18 46	120 43 09		Special	319	354								287	
MOKELUMNE RIVER NEAR THORNTON	B9 D 815.3 126.3	38 15 20	121 26 21	Feb. 1968	Monthly	335	367	389	397							290
MOKELUMNE RIVER AT WOODBRIDGE	B0 2105.00	38 09 30	121 18 10	April 1951	Continuous	316	353				412				287	
NEW YORK SLOUGH NEAR PITTSBURG POINT	B9 D 801.9 151.4	38 01 54	121 51 25	Sept. 1968	Monthly	326	360									291
NORTH HONCUT CREEK AT HIGHWAY 70	A0 5710.01	39 18 35	121 35 42	June 1967	Special	305		380							284	
OLD RIVER AT CLIFTON COURT FERRY	B9 D 749.5 133.1	37 49 28	121 33 05	Sept. 1952	Continuous	320	355			400						291
OLD RIVER BELOW HEAD	B9 D 748.5 120.0	37 48 32	121 19 59		Special	320	354	384								291
OLD RIVER AT HOLLAND TRACT	B9 D 800.5 134.8	38 00 27	121 34 47	April 1968	Monthly	323	357									291
OLD RIVER AT JUNCTION WITH MIDDLE RIVER	B9 D 749.3 1^2.5	37 49 19	121 22 27		Special	320	355	384								291
OLD RIVER AT MOUTH	B9 D 804.4 134.2	38 04 23	121 34 14	Feb. 1968	Semiannually	330	363	387	396							291
OLD RIVER AT TRACY ROAD BRIDGE	B9 D 748.3 126.9	37 48 17	121 26 55	Feb. 1968	Monthly	320	354	384								291
PAYNES CREEK NEAR RED BLUFF	A0 4630.01	40 18 57	122 04 12	Oct. 1958	Special		348								284	
PIT RIVER NEAR CANBY	A1 1680.00	41 24 23	120 55 38	April 1951	Monthly	308	350								283	
PIT RIVER NEAR MONTGOMERY CREEK	A1 1020.00	40 50 30	122 01 00	April 1951	Bimonthly	307	350								282	
PIT RIVER, SOUTH FORK, NEAR LIKELY	A1 4400.00	41 13 51	120 26 10	Aug. 1958	Semiannually	308	350								283	
POPE CREEK NEAR POPE VALLEY	A9 5010.00	38 37 48	122 19 52	June 1971	Special	316	353								286	
PUTAH CREEK NEAR WINTERS	A9 1250.00	38 30 55	122 04 50	Dec. 1951	Monthly	316	353								286	
R. D. 70 DRAINAGE TO SACRAMENTO RIVER	A0 2965.00	39 04 06	121 51 42	Aug. 1969	Monthly	300	347	378							284	
R. D. 108 DRAINAGE TO SACRAMENTO RIVER	A0 2933.00	38 51 48	121 47 30	Aug. 1969	Monthly	298	347	377							286	
R. D. 787 DRAINAGE TO COLUSA BASIN DRAIN	A0 2950.00	38 48 06	121 43 36	Aug. 1969	Monthly	299	347	378							286	
R. D. 787 DRAINAGE TO SACRAMENTO RIVER	A0 2955.00	38 50 48	121 43 48	Aug. 1969	Monthly	299	347	378							286	
RED BANK CREEK NEAR RED BLUFF	A0 3460.00	40 05 25	122 24 45	Jan. 1959	Special	301	348								284	
SACRAMENTO RIVER AT BEND BRIDGE	A0 2785.00	40 15 48	122 13 19	Jan. 1957	Bimonthly	297	347	377							284	
SACRAMENTO RIVER AT BUTTE CITY	A0 2500.00	39 27 35	121 59 35	Jan. 1957	Bimonthly	297									284	
SACRAMENTO RIVER AT COLLINSVILLE	B9 D 804.4 151.0	38 04 27	121 50 58	1924	Four-Day								420	423		291
SACRAMENTO RIVER AT COLUSA	A0 2420.00	39 12 48	121 59 54	Oct. 1958	Monthly	296	346				405				284	
SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN	A0 2230.02	38 48 29	121 43 25	July 1960	Monthly	296	345	376							284	
SACRAMENTO RIVER AT DELTA	A2 1300.00	40 56 20	122 24 55	April 1951	Bimonthly	309	351								282	
SACRAMENTO RIVER AT ELKHORN FERRY	A0 2112.00	38 40 33	121 37 15	Aug. 1969	Monthly	295	345	376							286	
SACRAMENTO RIVER AT EMMATON	B9 D 805.1 144.3	38 05 04	121 44 17	Oct. 1967	Biweekly	330	364									291
SACRAMENTO RIVER BELOW EMMATON	B9 D 804.6 145.2	38 04 35	121 45 10	1955	Four-Day								420	423		291
SACRAMENTO RIVER AT FREEPORT	B9 D 827.3 130.0	38 27 21	121 30 00	June 1960	Monthly	337	370	389	397							290
SACRAMENTO RIVER AT FREMONT WEIR, WEST END	A0 2170.00	38 45 34	121 39 59	June 1965	Continuous	295	345	376	393	398	404				286	
SACRAMENTO RIVER AT GREENE'S LANDING	B9 D 820.7 132.7	38 20 45	121 32 42	July 1962	Continuous	336	369		397	403	418					290
SACRAMENTO RIVER AT HAMILTON CITY	A0 2630.00	39 45 06	121 59 48	April 1951	Bimonthly	297	346								284	
SACRAMENTO RIVER AT ISLETON BRIDGE	B9 D 810.3 135.6	38 10 20	121 35 35	April 1960	Four-Day								420	423		290
SACRAMENTO RIVER AT KESWICK	A2 1010.00	40 36 40	122 26 45	April 1951	Monthly	308	350	381							282	
SACRAMENTO RIVER BELOW KNIGHTS LANDING	A0 2195.01	38 45 38	121 40 35	July 1967	Monthly	296	345								286	
SACRAMENTO RIVER AT PITTSBURG	B9 D 802.3 153.0	38 02 18	121 52 58	1945	Four-Day								420	423		291
SACRAMENTO RIVER AT RIO VISTA	B9 D 808.7 141.5	38 08 42	121 41 30		Special	333	365									290
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9 D 809.6 141.1	38 09 35	121 41 06	April 1951	Four-Day	333	366	388	396				420	423		290
SACRAMENTO RIVER AT SACRAMENTO	A0 2100.00	38 35 20	121 30 15	April 1951	Special	295	345								287	
SACRAMENTO RIVER AT WALNUT GROVE	B9 D 814.5 130.8	38 14 32	121 30 48	Dec. 1960	Continuous	335	367			402						290
SACRAMENTO SLOUGH AT SACRAMENTO RIVER	A0 2925.00	38 46 50	121 38 03	Jan. 1951	Monthly	298	347	377							286	
SAN JOAQUIN RIVER AT ANTIOCH	B9 D 801.1 148.1	38 01 04	121 48 06	Oct. 1966	Continuous	324	358			402	417		420	423		291
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9 D 801.7 145.0	38 01 43	121 44 58	June 1960	Four-Day								420	423		291
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE (AT LIGHT 12)	B9 D 801.6 145.2	38 01 38	121 45 12	June 1960	Monthly	325	359	386								291
SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL	B9 D 801.2 148.5	38 01 15	121 48 28	Jan. 1968	Monthly	324	358	386	394							291
SAN JOAQUIN RIVER AT BLIND POINT	B9 D 801.9 143.2	38 01 57	121 43 09	June 1968	Bimonthly	326										291
SAN JOAQUIN RIVER AT BRANDT BRIDGE	B9 D 751.9 119.3	37 51 53	121 19 19	March 1957	Special	320	355	385								291
SAN JOAQUIN RIVER AT BUCKLEY COVE	B9 D 758.7 122.9	37 58 42	121 22 55	Feb. 1968	Monthly	322	356	385	393							291
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9 D 802.6 141.5	38 02 37	121 41 32	July 1952	Four-Day								420	423		291
SAN JOAQUIN RIVER AT JERSEY POINT	B9 D 803.1 141.3	38 03 09	121 41 17	Oct. 1967	Weekly	328	362	387	395							291
SAN JOAQUIN RIVER AT LIGHT NO. 24	B9 D 759.9 126.6	37 59 51	121 26 36		Special	323	357	385								291
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9 D 747.2 118.4	37 47 11	121 18 22	Sept. 1952	Continuous	319	354	384	393	400	415		420	423		291
SAN JOAQUIN RIVER AT POTATO POINT	B9 D 804.7 134.0	38 04 40	121 34 00	March 1971	Biweekly	330	363	387								291
SAN JOAQUIN RIVER AT RINDGE PUMP	B9 D 759.8 125.1	37 59 51	121 25 06	Jan. 1965	Continuous	322	357			401						291
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9 D 806.3 135.6	38 06 20	121 35 37	March 1952	Four-Day								420	423		291
SAN JOAQUIN RIVER AT TWITCHELL ISLAND	B9 D 805.8 140.1	38 05 50	121 40 05	Feb. 1968	Monthly	332	365									291
SAN JOAQUIN RIVER NEAR VERNALIS	B0 7020.00	37 40 34	121 15 51	1951	Biweekly	317	353	384							287	
SHERMAN LAKE NEAR ANTIOCH	B9 D 802.6 147.6	38 02 34	121 47 34	Nov. 1968	Bimonthly	327	361	387								291
SNODGRASS SLOUGH AT SOUTHERN PACIFIC RR BRIDGE	B9 D 819.1 130.1	38 19 03	121 30 04		Monthly	336	369	389								290
SNODGRASS SLOUGH AT TWIN CITIES ROAD BRIDGE	B9 D 816.6 129.8	38 16 37	121 29 45	Feb. 1968	Monthly	335	368	389								290
SOUTH YUBA RIVER NEAR CISCO	A6 4700.00	39 19 12	120 33 38	Oct. 1967	Special	313	352								285	
SOUTH YUBA RIVER NEAR WASHINGTON	A6 4350.00	39 21 38	120 46 14	May 1958	Special	313	352								285	
SPANISH CREEK ABOVE BLACKHAWK CREEK	A5 4200.00	40 00 01	120 57 12	May 1971	Special	312	352								285	
STEAMBOAT SLOUGH ABOVE CACHE SLOUGH	B9 D 811.0 139.3	38 10 59	121 39 20	Feb. 1968	Special	334	367									290
STOCKTON DIVERTING CANAL AT STOCKTON	B0 2580.00	37 58 53	121 14 54	Aug. 1969	Continuous	317	353				413				287	
STOCKTON SHIP CHANNEL AT BURNS CUTOFF	B9 D 757.8 121.9	37 57 46	121 21 54	Sept. 1968	Continuous	322	356	385		401	416					291
STONY CREEK BELOW BLACK BUTTE DAM	A3 1110.00	39 49 00	122 20 10	Jan. 1958	Bimonthly	309	351	382							284	
STONY CREEK NEAR FRUTO	A3 1250.00	39 40 15	122 31 05	Feb. 1960	Monthly	309	351	382							284	
SUSAN RIVER NEAR LITCHFIELD	G4 1590.01	40 22 45	120 23 35	Nov. 1968	Monthly	338	371								285	
SUSAN RIVER AT SUSANVILLE	G4 1600.00	40 25 05	120 40 15	April 1951	Monthly	338	371								285	
SUTTER BYPASS AT HIGHWAY 113 NEAR ROBBINS	A0 5911.01	38 57 15	121 40 30	March 1971	Continuous						407					
SYCAMORE SLOUGH NEAR LODI	B9 D 808.8 126.1	38 08 45	121 26 05		Monthly	333	365									290
TAYLOR CREEK NEAR CAMP RICHARDSON (STATION T-4)	G7 3571.01	38 55 50	120 03 13	July 1968	Semiannually	342	373	391							287	
THERMALITO AFTERBAY RLSE TO FEATHER R NR OROVILLE	A0 5975.00	39 27 26	121 38 09		Continuous					398					284	
THIRD CREEK NEAR MOUTH (STATION T-6)	G7 3230.01	39 14 26	119 56 46	Aug. 1971	Special	342	373	391							285	
THOMES CREEK AT PASKENTA	A3 2120.00	39 52 57	122 33 03	Oct. 1958	Monthly	310	351	382							284	
THOMES CREEK AT RICHFIELD	A0 3220.01	39 58 45	122 10 35	Jan. 1959	Special	301	348								284	
THREE MILE SLOUGH AT SACRAMENTO RIVER	B9 D 806.4 142.0	38 06 22	121 42 02	1931	Four-Day	332	365						420	423		291
THREE MILE SLOUGH AT SAN JOAQUIN RIVER	B9 D 805.2 141.1	38 05 13	121 41 07	1955	Four-Day								420	423		291
TROUT CREEK NEAR MOUTH (STATION T-9)	G7 3810.01	38 55 55	119 58 40	Aug. 1971	Special	342	374	391							285	
TROUT CREEK NEAR TAHOE VALLEY	G7 3100.00	38 55 12	119 58 17	May 1971	Special	342	373								287	
TRUCKEE RIVER AT FARAD	G7 1195.00	39 25 13	120 01 51	April 1951	Semiannually	341	373								285	
TRUCKEE RIVER AT TAHOE CITY	G7 1665.00	39 09 59	120 08 37	May 1971	Special	341	373								285	
UPPER TRUCKEE RIVER NEAR MEYERS	G7 3750.00	38 50 37	120 01 23	Oct. 1967	Special	342	373								287	
UPPER TRUCKEE RIVER NEAR MOUTH (STATION T-1)	G7 3705.01	38 55 24	119 59 28	July 1968	Semiannually	342	374	391							285	
WARD CREEK NEAR MOUTH (STATION T-5)	G7 3050.01	39 07 57	120 09 24	Aug. 1971	Special	341	373	391							285	
WEST WALKER RIVER BELOW LITTLE WALKER RIVER	G9 2460.00	38 22 48	119 27 00	Aug. 1958	Semiannually	343	374								289	
WHISKY SLOUGH AT HOLT	B9 D 756.1 125 8	37 56 07	121 25 49	Feb. 1968	Monthly	322	355	385								291
WHITE SLOUGH NEAR LODI	B9 D 805.2 126.0	38 05 07	121 26 03		Monthly	332	365	388								291
WHITE SLOUGH AT RIO BLANCO TRACT NEAR LODI	B9 D 805.2 124.1	38 05 14	121 24 07		Monthly	331	364	388								291
YUBA RIVER AT ENGLEBRIGHT DAM	A6 1430.00	39 14 04	121 16 00		Special	313	352								285	
YUBA RIVER AT MARYSVILLE	A0 6120.00	39 08 32	121 34 30	April 1951	Continuous	305	349	381		399	408				284	
YUBA RIVER NEAR MARYSVILLE	A0 6150.00	39 10 35	121 31 25	Oct. 1967	Special	306		381							284	

TABLE D-2

MINERAL ANALYSES OF SURFACE WATER

Lab and Sampler Agency Codes

5000	-	U. S. Geological Survey
5001	-	U. S. Bureau of Reclamation
5006	-	McClellan Air Force Base Laboratory
5050	-	Department of Water Resources
5212	-	City of Yuba City
5213	-	City of Marysville
5401	-	Cordua Water District
5402	-	Linda County Water District
5403	-	Reclamation District 784
5405	-	City of Wheatland

Abbreviations

TIME	-	Pacific Standard Time on a 24-hour clock
G.H.	-	Instantaneous gage height in feet above an established datum
Q	-	Instantaneous discharge measured in cubic feet per second
DEPTH	-	Depth at which sample was collected
DO	-	Dissolved oxygen content in milligrams per liter
SAT	-	Percent of normal dissolved oxygen saturation
TEMP	-	Water temperature in degrees Fahrenheit (F) and Celsius (C)
PH	-	Measure of acidity or alkalinity of water
EC	-	Electrical conductance in micromhos at 25° C
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
TURB	-	Jackson Turbidity Units measured with a Hellege Turbidmeter (E) or a Hach Nephelometer (A)
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.H. 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 NCM	TURB SAR
	A0	2100.00			SACRAMENTO RIVER AT SACRAMENTO															
06/08/71	5050	9.87	9.7	64 F	7.3	120	--	--	--	--	--	--	--	--	--	--	--			
0910		30600	101	18 C													--			
	A0	2112.00			SACRAMENTO RIVER AT ELKHORN FERRY															
10/07/70	5050		9.8	60.8F	7.5	121	--	--	--	--	--	--	--	--	--	--	--			20E
1045	5050		99	16.0C		114											--			
10/20/70	5050		10.3	58 F	7.3	115	--	--	--	--	--	--	--	--	--	--	--			10E
1150	5050		100	14 C		118											--			
11/05/70	5050		10.5	56.7F	7.3	124	--	--	--	--	--	--	--	--	--	--	--			15E
1125	5050		101	13.7C		117											--			
		2																		
11/17/70	5050		11.6	53.0F	7.4	120	--	--	--	--	--	--	--	--	--	--	--			20E
1415	5050		106	11.7C		116											--			
12/09/70	5050		10.0	51.0F	7.3	123	--	--	--	--	--	--	--	--	--	--	--			80E
1120	5050		89	10.5C		112											--			
		0.5																		
12/21/70	5050		11.4	46 F	7.5	150	--	--	--	--	--	--	--	--	--	--	--			70E
0950	5050		95	8 C		150											--			
01/06/71	5050		12.2	44.0F	7.3	162	--	--	--	--	--	--	--	--	--	--	--			40E
1155	5050		99	6.7C		143											--			
		0.5																		
02/18/71	5050	9.46	9.8	50.0F	7.2	150	--	--	--	--	--	--	--	--	--	--	--			25E
0815	5050		87	10.0C		147											--			
03/17/71	5050		11.8	48.5F	7.4	110	--	--	--	--	--	--	--	--	--	--	--			30E
0915	5050		102	9.2C		109											--			
04/21/71	5050		10.9	53.0F	7.3	100	--	--	--	--	--	--	--	--	--	--	--			25E
1015	5050		100	11.7C		99											--			
05/19/71	5050		10.2	59.0F	7.4	115	--	--	--	--	--	--	--	--	--	--	--			45E
1230	5050		101	15.0C		131											--			
06/16/71	5050		8.9	76 F	7.5	64	--	--	--	--	--	--	--	--	--	--	--			30E
1400	5050		106	24 C		131											--			
07/21/71	5050		8.6	73 F	7.3	110	--	--	--	--	--	--	--	--	--	--	--			25E
1300	5050		99	23 C		325											--			
08/18/71	5050		8.9	69 F	7.4	105	--	--	--	--	--	--	--	--	--	--	--			24E
1245	5050		98	21 C		108											--			
09/15/71	5050		9.3	65 F	7.5	125	--	--	--	--	--	--	--	--	--	--	--			25E
1230	5050		98	18 C		138											--			
	A0	2170.00			SACRAMENTO RIVER AT FREMONT WEIR WEST END															
10/06/70	5050	6.80	9.7	63.5F	7.5	141	11	7.4	8.2	1.0	.0	74	7.6	4.4	.0	.10	--	78	58	20
1230	5050		101	17.5C	7.9	145	.55	.61	.36	.03	.00	1.21	.16	.12	.00		--	76	3	0.5
		1					35	39	23	2		81	11	8						
11/04/70	5050	7.06	10.2	56.5F	7.5	151	--	--	--	--	--	--	--	--	--	--	--			
1230			98	13.6C													--			
11/04/70	5050	7.06	10.2	56.5F	7.5	151	12	6.8	9.3	1.3	.0	72	7.2	5.1	.4	.00	--	97	58	80E
1230	5050		98	13.6C	7.5	153	.60	.56	.40	.03	.00	1.18	.15	.14	.01		--	78	1	0.5
							38	35	25	2		80	10	9	1					
12/02/70	5050	4.18	10.1	49 F	7.3	103	8.9	3.9	5.1	1.4	.0	41	6.2	3.4	2.8	.00	--	78	38	450E
0900	5050		88	9 C	7.4	101	.44	.32	.22	.04	.00	.67	.13	.10	.05		--	52	5	0.4
							43	31	22	4		71	14	11	5					
01/05/71	5050	6.58	12.0	43.5F	7.4	151	12	6.6	7.5	1.1	.0	74	6.6	4.2	1.0	.10	--	99	57	35E
1320	5050		97	6.4C	7.8	150	.60	.54	.33	.03	.00	1.21	.14	.12	.02		--	75	4	0.4
							40	36	22	2		81	9	8	1					
02/18/71	5050	2.48	10.6	50.0F	7.3	160	13	6.4	7.8	1.2	.0	73	7.2	3.4	1.1	.00	--	100	59	20E
0930	5050		86	10.0C	79.0	154	.65	.53	.34	.03	.00	1.20	.15	.10	.02		--	76	1	0.4
							42	34	22	2		82	10	7	1					
03/17/71	5050	5.77	11.3	50 F	7.5	145	13	6.2	6.6	1.2	.0	65	7.6	4.5	.9	.00	--	86	58	270E
1030	5050		100	10 C	7.7	144	.65	.51	.29	.03	.00	1.07	.16	.13	.01		--	72	5	0.4
							44	34	20	2		78	12	9	1					
04/21/71	5050	3.68	10.4	54.0F	7.4	140	11	7.2	6.6	1.0	.0	70	4.3	3.8	.5	.00	--	98	57	65E
1115	5050		97	12.2C	7.9	141	.55	.59	.29	.03	.00	1.15	.09	.11	.01		--	69	1	0.4
							38	40	20	2		85	7	8	1					
05/19/71	5050	3.92	10.6	57.0F	7.4	110	10	5.8	6.6	1.0	.0	65	4.9	3.0	.5	.00	--	77	49	30E
1115	5050		102	13.9C	7.8	129	.50	.48	.29	.03	.00	1.07	.10	.08	.01		--	64	5	0.4
							38	37	22	2		85	8	6	1					
06/16/71	5050	0.92	8.5	75 F	7.7	132	11	5.6	6.8	1.1	.0	66	6.7	3.2	.7	.00	--	97	50	11E
1230	5050		100	24 C	7.7	134	.55	.46	.30	.03	.00	1.08	.14	.09	.01		--	68	4	0.4
							41	34	22	2		82	11	7	1					

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				
A0	2170.00				SACRAMENTO RIVER AT FREMONT WEIR WEST END									CONTINUED						
07/21/71	5050	8.13	8.1	70.5F	7.4	141	11	6.7	8.3	1.0	.0	70	8.4	4.3	.7	.00	--	117	55	30E
1030	5050		91	21.4C	8.0	145	.55	.55	.36	.03	.00	1.15	.17	.12	.01		--	75	3	0.5
							37	37	24	2		79	12	8	1					
08/18/71	5050	0.00	8.7	69 F	7.5	172	14	7.5	13	1.1	.0	86	13	7.0	.4	.00	--	126	66	45E
1330	5050		96	21 C	7.7	177	.70	.62	.57	.03	.00	1.41	.27	.20	.01		--	98	5	0.7
							36	32	30	2		75	14	11	1					
09/15/71	5050	1.40	8.3	67 F	7.6	185	13	7.7	13	1.0	.0	87	12	5.4	.5	.10	--	93	64	25E
0900	5050		90	19 C	7.5	182	.65	.63	.57	.03	.00	1.43	.25	.15	.01		--	95	8	0.7
							35	34	30	2		78	14	8	1					
A0	2195.01				SACRAMENTO RIVER BELOW KNIGHTS LANDING															
10/14/70	5050	6.95	10.2	61 F	7.4		10	7.0	8.4	1.0	.0	69	5.8	4.1	.0	.00	--	97	54	45E
1400	5050	7950	103	16 C	7.6	141	.50	.58	.37	.03	.00	1.13	.12	.12	.00		--	70	3	0.5
							34	39	25	2		82	9	9						
11/19/70	5050		10.6	53.6F	7.3		--	--	6.9	--	.0	59	--	4.3	--	.10	--		54	35E
1330	5050	13200	98	12.0C	7.8	135			.30		.00	.97		.12			--			
									22			72		9						
03/24/71	5050	2.14	10.2	54 F	7.5		--	--	12	--	.0	86	--	8.8	--	.20	--		71	30E
1445	5050	10700	94	12 C	7.9	190			.52		.00	1.41		.25			--			
									27			74		13						
05/25/71	5050	1.51	10.6	61.7F	7.3		12	6.2	10	.9	.0	75	12	5.1	.8	.00	--	105	56	7E
1600	5050	14700	108	16.5C	7.8	160	.60	.51	.44	.02	.00	1.23	.25	.14	.01		--	84	6	0.6
							38	32	28	1		75	15	9	1					
06/10/71	5050	1.86	10.0	64 F	7.3		--	--	7.0	--	.0	69	--	3.8	--	.00	--		55	45E
1630	5050	13200	105	18 C	7.3	147			.30		.00	1.13		.11			--			
									20			77		7						
07/15/71	5050	8.19	9.5	70 F	7.4		--	--	8.3	--	.0	66	--	4.8	--	.10	--		54	40E
1650	5050	9530	106	21 C	7.5	146			.36		.00	1.08		.14			--			
									25			74		10						
08/11/71	5050	8.91	9.4	72 F	7.3		--	--	12	--	.0	82	--	7.7	--	.20	--		62	25E
1510	5050	9920	107	22 C	7.7	176			.52		.00	1.34		.22			--			
									30			76		12						
09/28/71	5050	9.56	10.2	59.9F	7.4		--	--	8.7	--	.0	71	--	4.3	--	.10	--		56	30E
1500	5050	11200	102	15.5C	7.8	142			.38		.00	1.16		.12			--			
									27			82		8						
A0	2230.02				SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN															
10/14/70	5050	8.70	10.5	61 F	7.4		10	6.3	7.8	1.1	--	65	4.8	3.8	.3	.00	--	81	51	90E
1145	5050	7780	106	16 C	7.4	135	.50	.52	.34	.03		1.07	.10	.11	.00		--			0.5
							36	37	24	2		79	7	8						
11/19/70	5050	2.66	10.9	53.6F	7.6		--	--	6.9	--	.0	60	--	5.9	--	.10	--		52	25E
1150	5050	13200	101	12.0C	7.8	136			.30		.00	.98		.17			--			
									22			72		12						
12/17/70	5050	5.82	11.2	48.2F	7.4		--	--	8.2	--	.0	72	--	5.8	--	.10	--		61	80E
1215	5050	25300	97	9.0C	7.9	156			.36		.00	1.18		.16			--			
									23			76		10						
01/19/71	5050	6.10	11.3	47.0F	7.1		--	--	4.6	--	.0	51	--	3.6	--	.10	--		47	380E
1515	5050	27100	96	8.3C	7.6	106			.20		.00	.84		.10			--			
									19			79		9						
02/23/71	5050	2.78	11.1	49 F	7.3		--	--	8.7	--	.0	84	--	6.1	--	.10	--		50	20E
1500	5050	24700	97	9 C	8.0	168			.38		.00	1.38		.17			--			
									23			82		10						
03/24/71	5050	3.47	10.3	56 F	7.3		--	--	7.4	--	.0	78	--	5.1	--	.10	--		64	35E
1210	5050	10500	98	13 C	7.7	157			.32		.00	1.28		.14			--			
									20			82		9						
04/20/71	5050	5.73	10.7	54 F	7.4		--	--	5.1	--	.0	68	--	3.3	--	.20	--		55	30E
1615	5050	13500	99	12 C	7.6	133			.22		.00	1.11		.09			--			
									17			83		7						
05/25/71	5050	4.28	10.7	61.7F	7.1		11	5.4	6.6	.8	.0	68	7.1	1.6	.6	.00	--	86	50	10E
1345	5050	13900	109	16.5C	7.9	134	.55	.44	.29	.02	.00	1.11	.15	.05	.01		--	67	6	0.4
							42	34	22	2		84	11	4	1					
06/10/71	5050	3.90	10.1	64 F	7.3		--	--	6.8	--	.0	69	--	2.8	--	.00	--		55	30E
1410	5050	13200	106	18 C	7.4	138			.30		.00	1.13		.08			--			
									22			82		6						
07/15/71	5050	0.24	9.7	70 F	7.2		--	--	7.0	--	.0	69	--	4.5	--	.10	--		52	25E
1405	5050	9520	108	21 C	7.6	132			.30		.00	1.13		.13			--			
									23			86		10						
08/11/71	5050	0.71	9.9	72 F	7.2		--	--	7.8	--	.0	70	--	5.0	--	.10	--		53	20E
1235	5050	9590	112	22 C	7.8	138			.34		.00	1.15		.14			--			
									25			83		10						
09/28/71	5050	1.70	10.5	63 F	7.4		--	--	7.8	--	.0	67	--	2.9	--	.00	--		48	10E
1245	5050	10900	108	17 C	7.5	136			.34		.00	1.10		.08			--			
									25			81		6						
A0	2420.00				SACRAMENTO RIVER AT COLUSA															
10/14/70	5050	2.50	10.5	59 F	7.3		--	--	6.0	--	.0	65	--	3.5	--	.10	--		53	6E
0850	5050	7170	104	15 C	7.5	124			.26		.00	1.07		.10			--			
									21			86		8						
11/19/70	5050	8.03	10.9	51.8F	7.1		--	--	6.8	--	.0	56	--	4.6	--	.10	--		50	25E
0930	5050	14200	99	11.0C	7.9	130			.30		.00	.92		.13			--			
									23			71		10						
12/17/70	5050	1.31	11.2	48.2F	7.3		--	--	7.3	--	.0	67	--	4.6	--	.10	--		57	95E
1030	5050	32600	97	9.0C	7.5	139			.32		.00	1.10		.13			--			
									23			79		9						

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				
A0 2420.00 SACRAMENTO RIVER AT COLUSA CONTINUED																				
01/19/71	5050	4.09	11.4	49.0F	7.1		--	--	4.6	--	.0	59	--	2.7	--	.10	--		51	500E
1020	5050	38700	99	9.4C	7.8	115			.20		.00	.97		.08			--			
									17			84		7						
02/23/71	5050	7.12	11.2	48 F	7.3		--	--	7.0	--	.0	75	--	4.8	--	.00	--		60	25E
1025	5050	12100	96	9 C	7.7	150			.30		.00	1.23		.14			--			
									20			82		9						
03/24/71	5050	6.06	10.5	54 F	7.3		--	--	6.3	--	.0	75	--	4.9	--	.10	--		62	20E
0925	5050	10900	98	12 C	7.7	153			.27		.00	1.23		.14			--			
									18			80		9						
04/20/71	5050	9.67	10.5	53 F	7.3		10	7.0	5.5	1.0	.0	66	2.6	2.8	.4	.00	--	90	54	40E
0940	5050	15600	96	12 C	7.6	133	.50	.58	.24	.03	.00	1.08	.05	.08	.01		--	62	0	0.3
							37	43	18	2		89	4	7	1					
05/25/71	5050	8.77	11.0	59 F	7.2		--	--	5.8	--	.0	61	--	2.3	--	.00	--		48	8E
0950	5050	15100	109	15 C	8.1	123			.25		.00	1.00		.06			--			
									20			81		5						
06/10/71	5050	8.23	10.8	61 F	7.3		--	--	5.8	--	.0	67	--	2.8	--	.00	--		52	15E
0915	5050	14300	109	16 C	7.3	122			.25		.00	1.10		.08			--			
									20			90		7						
07/15/71	5050	5.48	10.0	64 F	7.4		--	--	5.5	--	.0	59	--	2.4	--	.00	--		52	8E
1010	5050	10700	105	18 C	7.4	119			.24		.00	.97		.07			--			
									20			82		6						
08/11/71	5050	5.39	10.0	66 F	7.2		--	--	6.0	--	.0	64	--	2.8	--	.10	--		48	20E
0900	5050	10500	107	19 C	7.8	122			.26		.00	1.05		.08			--			
									21			86		7						
09/28/71	5050	5.55	10.2	59 F	7.4		8.8	5.4	6.4	1.0	.0	65	.0	3.8	.4	.10	--	96	44	7E
0945	5050	10500	101	15 C	7.8	122	.44	.44	.28	.03	.00	1.07	.00	.11	.01		--	58	10	0.4
							37	37	24	3		90		9	1					
A0 2500.00 SACRAMENTO RIVER AT BUTTE CITY																				
11/18/70	5050	3.89	10.8	51.8F	7.3		--	--	6.9	--	.0	56	--	4.1	--	.10	--		50	25E
1115	5050	13600	98	11.0C	7.8	129			.30		.00	.92		.12			--			
									23			71		9						
01/19/71	5050	7.10	11.2	49.0F	7.1		--	--	5.3	--	.0	62	--	3.4	--	.00	--		54	420E
0845	5050	62200	98	9.4C	7.7	122			.23		.00	1.02		.10			--			
									19			84		8						
03/24/71	5050	3.58	10.4	53 F	7.0		13	6.0	6.4	1.0	.0	67	7.2	4.5	1.0	.00	--	85	57	95E
0800	5050	12200	95	12 C	7.0	145	.65	.49	.28	.03	.00	1.10	.15	.13	.02		--	72	2	0.4
							45	34	19	2		79	11	9	1					
05/25/71	5050	3.95	11.0	60 F	7.1		--	--	3.8	--	.0	64	--	1.8	--	.00	--		46	7E
0840	5050	14900	110	16 C	8.0	122			.17		.00	1.05		.05			--			
									14			86		4						
07/15/71	5050	2.49	10.0	64 F	7.4		--	--	6.0	--	.0	59	--	1.9	--	.00	--		48	8E
0850	5050	11000	105	18 C	7.5	120			.26		.00	.97		.05			--			
									22			81		4						
09/28/71	5050	2.36	10.5	57 F	7.0		8.8	5.4	6.6	1.1	.0	64	.0	3.0	.4	.10	--	86	44	7E
0755	5050	10800	101	14 C	7.7	122	.44	.44	.29	.03	.00	1.05	.00	.08	.01		--	57	9	0.4
							37	37	24	3		92		7	1					
A0 2630.00 SACRAMENTO RIVER AT HAMILTON CITY																				
11/18/70	5050	0.72	10.7	51.8F	7.3		--	--	6.9	--	.0	57	--	3.8	--	.10	--		50	20E
1200	5050	13100	97	11.0C	7.8	129			.30		.00	.93		.11			--			
									23			72		9						
01/14/71	5050	1.37	12.4	43.7F	7.3		--	--	6.5	--	.0	69	--	3.9	--	.10	--		53	20E
1355	5050	15800	101	6.5C	7.6	137			.28		.00	1.13		.11			--			
									20			82		8						
03/17/71	5050	9.83	11.3	50 F	7.1		13	5.5	6.6	.8	.0	70	5.1	4.8	.6	.10	--	92	55	45E
1245	5050	11300	100	10 C	7.1	138	.65	.45	.29	.02	.00	1.15	.11	.14	.01		--	71	3	0.4
							46	32	21	1		82	8	10	1					
05/18/71	5050		12.5	52.7F	7.3		--	--	5.8	--	.0	66	--	2.5	--	.00	--		46	7E
1135	5050	18200	114	11.5C	7.8	116			.25		.00	1.08		.07			--			
									22			93		6						
07/08/71	5050	9.74	11.4	61 F	7.3		--	--	4.7	--	.0	54	--	2.4	--	.00	--		45	8E
1420	5050	11300	115	16 C	7.5	113			.20		.00	.89		.07			--			
									18			79		6						
09/23/71	5050	9.40	11.0	58.1F	7.4		8.6	4.5	6.4	1.0	.0	63	.0	2.4	.2	.10	--	85	40	6E
1300	5050	10300	107	14.5C	7.7	118	.43	.37	.28	.03	.00	1.03	.00	.07	.00		--	54	12	0.4
							39	33	25	3		94		6						
A0 2785.00 SACRAMENTO RIVER AT BEND BRIDGE																				
11/12/70	5050	0.04	10.5	51.8F	7.1		--	--	6.2	--	.0	59	--	5.2	2.2	.00	--		48	15E
1530	5050	9100	95	11.0C	7.6	127			.27		.00	.97		.15	.04		--			
									21			76		12	3					
01/13/71	5050	2.11	12.1	43.7F	7.3		10	5.1	6.0	1.0	.0	61	5.6	2.6	.7	.10	--	89	46	30E
1230	5050	14200	98	6.5C		127	.50	.42	.26	.03	.00	1.00	.12	.07	.01		--	61	4	0.4
							41	35	21	2		83	10	6	1					
03/09/71	5050	9.28	11.4	47 F	7.9		--	--	5.7	--	.0	63	--	3.2	.2	.10	--		49	8E
0900	5050	7600	97	8 C	7.7	121			.25		.00	1.03		.09	.00		--			
									21			85		7						
05/24/71	5050	2.18	11.5	50 F	7.3		--	--	5.4	--	.0	57	--	2.6	--	.10	--		44	3E
0750	5050	15800	102	10 C	7.8	114			.23		.00	.93		.07			--			
									20			82		6						
07/14/71	5050	1.43	11.1	52 F	7.1		--	--	5.1	--	.0	55	--	4.1	.2	.10	--		38	6E
0730	5050	13500	100	11 C	7.3	109			.22		.00	.90		.12	.00		--			
									20			83		11						

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q 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				
A0	2785.00						SACRAMENTO RIVER AT BEND BRIDGE							CONTINUED						
09/27/71	5050	0.71	9.9	52 F	7.2		9.4	4.7	6.3	1.0	.0	61	.0	2.0	.6	.00	--	94	43	4E
0710	5050	11300	89	11 C	7.0	117	.47	.39	.27	.03	.00	1.00	.00	.06	.01		--	54	7	0.4
							41	34	23	3		93		6	1					
A0	2925.00						SACRAMENTO SLOUGH AT SACRAMENTO RIVER													
10/14/70	5050		10.6	62 F	7.8		--	--	98	--	.0	332	--	166	--	.20	--		320	45E
1115	5050	269	108	17 C	8.1	1030			4.26		.00	5.44		4.68			--			
									41			53		45						
11/19/70	5050		10.5	53.6F	8.0		--	--	148	--	.0	420	--	271	--	.30	--		454	60E
1130	5050	642	97	12.0C	8.1	1450			6.44		.00	6.88		7.64			--			
									44			47		53						
02/23/71	5050	8.10	10.7	51 F	7.8		--	--	33	--	.0	190	--	40	--	.10	--		161	55E
1200	5050	944	96	11 C	8.1	432			1.44		.00	3.11		1.13			--			
									33			72		26						
03/24/71	5050	1.16	9.3	58 F	7.5		--	--	22	--	.0	120	--	31	--	.10	--		105	90E
1140	5050	786	91	14 C	8.0	302			.96		.00	1.97		.87			--			
									32			65		29						
04/20/71	5050		8.9	61 F	7.6		--	--	25	--	.0	132	--	43	--	.10	--		129	100E
1400	5050	1600	90	16 C	7.9	359			1.09		.00	2.16		1.21			--			
									30			60		34						
05/25/71	5050		8.4	54 F	7.3		23	15	24	1.1	.0	144	17	25	1.8	.10	--	195	119	49E
1305	5050	1630	78	12 C	7.8	344	1.15	1.23	1.04	.03	.00	2.36	.35	.71	.03		--	178	1	1.0
							33	36	30	1		68	10	21	1					
06/10/71	5050	0.55	7.8	70.7F	7.4		--	--	20	--	.0	160	--	27	--	.00	--		140	45E
1320	5050	1250	88	21.5C	7.6	366			.87		.00	2.62		.76			--			
									24			72		21						
07/15/71	5050	6.71	6.6	81 F	7.4		--	--	36	--	.0	211	--	39	--	.20	--		163	55E
1325	5050	593	82	27 C	7.8	489			1.57		.00	3.46		1.10			--			
									32			71		22						
08/11/71	5050	7.50	6.6	81 F	7.3		--	--	36	--	.0	218	--	39	--	.20	--		169	55E
1200	5050	869	82	27 C	8.0	475			1.57		.00	3.57		1.10			--			
									33			75		23						
09/28/71	5050		8.1	63.5F	7.6		31	23	40	1.4	.0	217	11	52	.8	.00	--	290	172	35E
1215	5050	900	84	17.5C	7.7	519	1.55	1.89	1.74	.04	.00	3.56	.23	1.47	.01		--	266	6	1.3
							30	36	33	1		68	4	28						
A0	2933.00						RD108 DRAINAGE TO SACRAMENTO RIVER													
10/14/70	5050		8.3	66 F	7.9		--	--	182	--	.0	387	--	112	--	.80	--		331	140E
1245	5050	.0	89	19 C	7.8	1250			7.92		.00	6.34		3.16			--			
									63			51		25						
11/19/70	5050		6.5	55.4F	7.8		32	32	96	1.4	.0	287	106	59	2.2	.40	--	423	212	45E
1255	5050	.0	61	13.0C	8.3	789	1.60	2.63	4.18	.04	.00	4.70	2.21	1.66	.04		--	470	24	2.9
							19	31	49			55	26	19						
12/17/70	5050		7.4	51.8F	7.4		--	--	101	--	.0	296	--	70	--	.40	--		272	90E
1355	5050	13	67	11.0C	7.8	896			4.39		.00	4.85		1.97			--			
									49			54		22						
01/19/71	5050		8.0	56.0F	7.8		45	53	150	1.5	.0	366	207	110	2.5	.70	--	738	330	230E
1445	5050	5.0	76	13.3C		1280	2.25	4.36	6.53	.04	.00	6.00	4.31	3.10	.04		--	750	31	3.6
							17	33	50			45	32	23						
02/23/71	5050		11.2	53 F	8.4		--	--	155	--	15	365	--	116	--	.60	--		337	75E
1405	5050	6.0	103	12 C	8.6	1210			6.74		.50	5.98		3.27			--			
									56		4	49		27						
03/24/71	5050		5.9	58 F	7.9		36	37	100	1.4	.0	289	128	70	1.8	.40	--	566	241	80E
1400	5050	.0	58	14 C	8.0	900	1.80	3.04	4.35	.04	.00	4.74	2.66	1.97	.03		--	517	5	2.8
							20	33	47			50	28	21						
04/20/71	5050		10.2	60 F	8.2		--	--	70	--	5.0	203	--	53	--	.40	--		216	95E
1520	5050	.0	102	16 C	8.5	670			3.05		.17	3.33		1.49			--			
									46		3	50		22						
05/25/71	5050		7.5	70 F	7.5		25	22	59	1.5	.0	174	81	38	3.6	.20	--	340	153	4E
1440	5050	10	84	21 C	7.7	562	1.25	1.81	2.57	.04	.00	2.85	1.69	1.07	.06		--	316	11	2.1
							22	32	45	1		50	30	19	1					
06/10/71	5050		5.8		7.5		--	--	60	--	.0	192	--	50	--	.30	--		172	100E
1530	5050	.0			7.6	642			2.61		.00	3.15		1.41			--			
									41			49		22						
07/15/71	5050		6.7	82 F	7.3		27	24	61	2.2	.0	184	79	42	.7	.30	--	372	165	7E
1545	5050	5.0	85	28 C	8.0	601	1.35	1.97	2.65	.06	.00	3.02	1.64	1.18	.01		--	327	15	2.1
							22	33	44	1		52	28	20						
08/11/71	5050		6.4	81.5F	7.3		--	--	68	--	.0	225	--	44	--	.40	--		167	50E
1400	5050	6.0	80	27.5C	8.2	622			2.96		.00	3.69		1.24			--			
									48			59		20						
09/28/71	5050		7.8	64 F	7.9		36	36	119	1.7	.0	330	135	72	2.5	.50	--	585	240	65E
1400	5050	6.5	82	18 C	7.7	964	1.80	2.96	5.18	.04	.00	5.41	2.81	2.03	.04		--	565	33	3.4
							18	30	52			53	27	20						
A0	2947.10						COLUSA BASIN DRAIN NEAR KNIGHTS LANDING													
10/14/70	5050	4.48	13.3	68 F	8.3		30	24	60	2.8	.0	221	71	34	2.6	.20	--	338	173	130E
1320	5050	171	145	20 C	8.3	578	1.50	1.97	2.61	.07		3.62	1.48	.96	.04		--	333	8	2.0
							24	32	42	1		59	24	16	1					
11/19/70	5050	2.31	10.9	55.4F	8.0		32	27	78	3.1	.0	245	106	42	3.1	.30	--	408	191	80E
1220	5050	.0	103	13.0C	8.2	697	1.60	2.22	3.39	.08	.00	4.02	2.21	1.18	.05		--	412	10	2.5
							22	30	47	1		54	30	16	1					
12/17/70	5050	6.86	11.2	48.2F	8.0		39	32	100	3.3	.0	260	156	56	3.8	.30	--	515	229	70E
1315	5050	.0	97	9.0C	8.3	853	1.95	2.63	4.35	.08	.00	4.26	3.25	1.58	.06		--	518	16	2.9
							22	29	48	1		47	36	17	1					

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 S102	TDS SUM	TH NCH	TURB SAR
							MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				
	AO	2947.10			COLUSA BASIN DRAIN NEAR KNIGHTS LANDING									CONTINUED						
01/19/71	5050	7.99	9.3	51.0F	7.4		24	16	53	3.1	.0	139	88	34	3.2	.30	--	320	128	1000E
1330	5050		83	10.5C		534	1.20	1.32	2.31	.08	.00	2.28	1.83	.96	.05		--	290	12	2.1
							24	27	47	2		45	36	19	1					
02/23/71	5050	3.27	13.4	52 F	8.4		52	44	158	2.4	15	310	239	96	2.2	.30	--	724	313	45E
1325	5050	278	121	11 C	8.5	1240	2.59	3.62	6.87	.06	.50	5.08	4.98	2.71	.04		--	761	32	3.9
							20	28	52		4	38	37	20						
03/24/71	5050	4.56	10.4	60 F	8.3		47	44	165	2.7	.0	315	242	115	2.8	.50	--	805	300	120E
1300	5050	165	104	16 C	8.3	1300	2.35	3.62	7.18	.07	.00	5.16	5.04	3.24	.05		--	774	41	4.2
							18	27	54	1		38	37	24						
04/20/71	5050		9.7	62 F	8.3		30	19	44	1.9	.0	179	62	34	2.4	.20	--	296	154	70E
1500	5050	.0	99	17 C	8.2	502	1.50	1.56	1.91	.05	.00	2.93	1.29	.96	.04		--	282	7	1.5
							30	31	38	1		56	25	18	1					
05/25/71	5050	4.95	8.5	70.7F	7.8		27	16	66	1.8	.0	191	86	32	2.8	.30	--	334	151	65E
1530	5050	793	96	21.5C	7.8	576	1.35	1.32	2.87	.05	.00	3.13	1.79	.90	.05		--	326	23	2.5
							24	24	51	1		53	30	15	1					
06/10/71	5050	4.32	12.7	81 F	8.4		27	21	66	1.5	2.0	190	81	33	3.3	.40	--	349	154	96E
1440	5050	.0	158	27 C	8.5	589	1.35	1.73	2.87	.04	.07	3.11	1.69	.93	.05		--	329	5	2.3
							23	29	48	1	1	53	29	16	1					
07/15/71	5050	4.51	15.7	86 F	8.4		32	25	69	1.2	.0	238	88	38	.1	.40	--	392	182	30E
1445	5050	14	205	30 C	8.2	661	1.60	2.06	3.00	.03	.00	3.90	1.83	1.07	.00		--	371	12	2.2
							24	31	45			57	27	16						
08/11/71	5050	4.51	7.3	82 F	7.7		31	21	54	.8	17	183	59	28	2.1	.40	--	312	164	70E
1320	5050	327	92	28 C	8.8	543	1.55	1.73	2.35	.02	.57	3.00	1.23	.79	.03		--	303	15	1.8
							27	31	42		10	53	22	14	1					
09/28/71	5050	4.53	9.8	66 F	7.9		29	20	48	1.9	.0	206	57	29	1.7	.20	--	307	156	50E
1330	5050	283	105	19 C	7.7	529	1.45	1.64	2.09	.05	.00	3.38	1.19	.82	.03		--	288	15	1.7
							28	31	40	1		62	22	15	1					
	AO	2950.00			RO787 DRAINAGE TO COLUSA BASIN DRAIN															
10/14/70	5050	9.50	8.1	65 F	7.8		--	--	92	--	.0	400	--	29	--	1.80	--		240	25E
1340	5050	.0	86	18 C	8.3	758			4.00		.00	6.56		.82			--			
									53			87		11						
11/19/70	5050	9.10	8.8	55.4F	8.0		27	27	69	1.8	.0	288	57	22	1.9	.90	--	336	178	30E
1205	5050	.0	83	13.0C	8.3	598	1.35	2.22	3.00	.05	.00	4.72	1.19	.62	.03		--	348	58	2.2
							20	34	45	1		72	18	9						
12/17/70	5050	9.60	9.0	50.0F	7.5		--	--	54	--	.0	317	--	34	--	.80	--		261	25E
1255	5050	.0	80	10.0C	7.8	707			2.35		.00	5.20		.96			--			
									33			74		14						
01/19/71	5050	9.60	8.6	53.0F	7.4		25	25	49	2.5	.0	251	42	18	.8	.70	--	298	165	280E
1355	5050	.0	79	11.7C		527	1.25	2.06	2.13	.06	.00	4.11	.87	.51	.01		--	286	40	1.7
							23	37	39	1		75	16	9						
02/23/71	5050	9.45	11.5	55 F	8.2		--	--	86	--	10	352	--	36	--	1.20	--		251	20E
1455	5050	.0	108	13 C	8.5	782			3.74		.33	5.77		1.02			--			
									48		4	74		13						
03/24/71	5050	0.66	9.6	62 F	8.1		36	38	92	2.2	.0	383	77	32	.0	1.50	--	506	248	50E
1245	5050	.0	98	17 C	8.3	812	1.80	3.13	4.00	.06	.00	6.28	1.60	.90	.00		--	467	68	2.6
							20	35	44	1		72	18	10						
04/20/71	5050	1.50	9.7	62 F	8.1		--	--	94	--	6.0	410	--	48	--	1.70	--		319	30E
1445	5050	.0	99	17 C	8.4	899			4.09		.20	6.72		1.35			--			
									45		2	75		15						
05/25/71	5050	1.15	9.5	73 F	7.6		29	25	49	2.5	.0	236	56	23	1.3	.50	--	316	175	5E
1405	5050	.0	110	23 C	8.3	538	1.45	2.06	2.13	.06	.00	3.87	1.17	.65	.02		--	302	18	1.6
							25	36	37	1		68	20	11						
06/10/71	5050	0.50	6.4	72 F	7.4		--	--	37	--	.0	238	--	21	--	.50	--		174	30E
1440	5050	.0	73	22 C	7.5	509			1.61		.00	3.90		.59			--			
									32			77		12						
07/15/71	5050	0.50	5.7	81 F	7.2		30	22	38	2.0	4.0	240	28	15	.0	.60	--	262	166	5E
1430	5050	.0	71	27 C	8.4	466	1.50	1.81	1.65	.05	.13	3.93	.58	.42	.00		--	258	38	1.3
							30	36	33	1	3	78	11	8						
08/11/71	5050	0.50	5.7	77.9F	7.2		--	--	37	--	.0	245	--	15	--	.70	--		169	30E
1300	5050	.0	69	25.5C	8.0	466			1.61		.00	4.02		.42			--			
									35			86		9						
09/28/71	5050	9.50	7.4	64 F	7.6		28	29	60	1.6	.0	311	45	20	.0	.90	--	350	188	25E
1300	5050	.0	78	18 C	7.6	608	1.40	2.38	2.61	.04	.00	5.10	.94	.56	.00		--	337	66	1.9
							22	37	41	1		77	14	8						
	AO	2955.00			RO787 DRAINAGE TO SACRAMENTO RIVER															
10/14/70	5050		5.0	68 F	7.4		--	--	62	--	.0	361	--	47	--	.90	--		329	25E
1220	5050	.0	55	20 C	8.0	795			2.70		.00	5.92		1.33			--			
									34			74		17						
11/19/70	5050	8.70	9.7	55.4F	7.8		39	33	42	.8	.0	283	53	27	1.4	.50	--	309	232	70
1240	5050	.0	92	13.0C	8.3	586	1.95	2.71	1.83	.02	.00	4.64	1.10	.76	.02		--	336	1	1.2
							30	42	28			71	17	12						
12/17/70	5050	8.55	9.0	51.8F	7.5		--	--	45	--	.0	307	--	33	--	.50	--		273	35E
1335	5050	61	81	11.0C	7.8	670			1.96		.00	5.03		.93			--			
									29			75		14						
01/19/71	5050	8.40	8.0	57.0F	7.4		44	39	56	1.3	.0	303	80	43	1.0	.70	--	424	270	140E
1420	5050	.0	77	13.9C		750	2.20	3.21	2.44	.03	.00	4.97	1.67	1.21	.02		--	414	22	1.5
							28	41	31			63	21	15						
02/23/71	5050	8.35	13.2	54 F	8.2		--	--	68	--	8.0	364	--	48	--	.80	--		328	25E
1430	5050	57	123	12 C	8.4	840			2.96		.27	5.97		1.35			--			
									35		3	71		16						

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. 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
	A0	2955.00			R0787		ORAINAGE TO SACRAMENTO RIVER							CONTINUED						
03/24/71	5050	0.90	8.1	60 F	7.3		22	18	21	.8	.0	168	21	11	.6	.20	--	177	129	80E
1330	5050	.0	81	16 C	7.5	329	1.10	1.48	.91	.02	.00	2.75	.44	.31	.01		--	177	9	0.8
							31	42	26	1		78	13	9						
04/20/71	5050	1.88	8.0	60 F	7.3		--	--	17	--	.0	159	--	8.3	--	.20	--		134	25E
1550	5050	.0	80	16 C	7.6	307			.74		.00	2.61		.23			--			
									24			85		7						
05/25/71	5050	0.36	7.9	70 F	7.4		33	27	48	1.7	.0	225	72	28	3.0	.40	--	336	196	12E
1500	5050	58	88	21 C	8.0	569	1.65	2.22	2.09	.04	.00	3.69	1.50	.79	.05		--	324	9	1.5
							28	37	35	1		61	25	13	1					
06/10/71	5050	0.55	6.9	72 F	7.3		--	--	35	--	.0	235	--	27	--	.30	--		203	35E
1555	5050	.0	78	22 C	7.5	550			1.52		.00	3.85		.76			--			
									28			70		14						
07/15/71	5050	9.80	6.8	82 F	7.1		35	30	40	1.0	.0	241	57	28	.3	.20	--	336	210	11E
1615	5050	.0	86	28 C	8.0	564	1.75	2.47	1.74	.03	.00	3.95	1.19	.79	.00		--	310	14	1.2
							29	41	29	1		67	20	13						
08/11/71	5050	9.20	6.8	82 F	7.3		--	--	37	--	.0	235	--	26	--	.50	--		190	50E
1430	5050	.0	86	28 C	7.9	488			1.61		.00	3.85		.73			--			
									33			79		15						
09/28/71	5050	9.10	6.3	61 F	7.8		42	39	54	1.1	.0	343	60	34	.2	1.00	--	410	265	30E
1430	5050	.0	64	16 C	7.7	711	2.10	3.21	2.35	.03	.00	5.62	1.25	.96	.00		--	400	16	1.4
							27	42	31			72	16	12						
	A0	2965.00			RD70		ORAINAGE TO SACRAMENTO RIVER													
10/14/70	5050		5.3	69 F	7.4		--	--	82	--	.0	369	--	89	--	.30	--		305	45E
1030	5050	.0	59	21 C	7.8	872			3.57		.00	6.05		2.51			--			
									41			69		29						
11/19/70	5050		10.5	53.6F	7.0		19	23	18	.9	.0	114	13	20	1.6	.10	--	159	104	30E
1030	5050	.0	97	12.0C	8.1	271	.95	1.89	.78	.02	.00	1.87	.27	.56	.03		--	152	49	0.7
							26	52	21	1		68	10	21	1					
12/17/70	5050		9.0	48.2F	7.9		--	--	73	--	.0	354	--	100	--	.20	--		335	45E
1120	5050	31	78	9.0C	7.8	907			3.18		.00	5.80		2.82			--			
									35			64		31						
01/19/71	5050	3.85	8.5	55.0F	7.8		57	50	68	.8	.0	362	42	114	3.9	.20	--	477	348	80E
1130	5050	67	80	12.8C		976	2.84	4.11	2.96	.02	.00	5.93	.87	3.21	.06		--	514	51	1.6
							29	41	30			59	9	32	1					
02/23/71	5050	7.55	10.6	48 F	8.2		--	--	45	--	6.0	236	--	98	--	.10	--		273	25E
1115	5050	.0	91	9 C	8.5	702			1.96		.20	3.87		2.76			--			
									28		3	55		39						
03/24/71	5050		9.0	60 F	8.0		45	34	52	1.2	.0	245	30	89	1.3	.10	--	428	251	105E
1010	5050	78	90	16 C	8.3	710	2.25	2.80	2.26	.03	.00	4.02	.62	2.51	.02		--	373	52	1.4
							31	38	31			56	9	35						
04/20/71	5050		8.2	58 F	7.9		--	--	53	--	.0	256	--	98	--	.20	--		271	60E
1050	5050	20	80	14 C	8.2	739			2.31		.00	4.20		2.76			--			
									31			57		37						
05/25/71	5050	3.55	7.7	70.7F	7.5		33	28	51	1.1	.0	226	28	71	2.2	.10	--	286	200	10E
1230	5050	17	87	21.5C	8.0	626	1.65	2.30	2.22	.03	.00	3.70	.58	2.00	.04		--	326	13	1.6
							27	37	36			59	9	32	1					
06/10/71	5050	3.91	7.9	72 F	7.7		--	--	39	--	.0	222	--	52	--	.10	--		180	45E
1120	5050	17	90	22 C	8.0	555			1.70		.00	3.64		1.47			--			
									31			66		26						
07/15/71	5050	3.60	7.9	81 F	7.7		27	20	40	1.2	.0	201	17	36	.0	.10	--	268	150	2E
1140	5050	17	98	27 C	8.3	462	1.35	1.64	1.74	.03	.00	3.29	.35	1.02	.00		--	240	15	1.4
							28	34	37	1		71	8	22						
08/11/71	5050	4.60	6.8	81 F	7.3		--	--	49	--	.0	210	--	65	--	.20	--		169	30E
1000	5050	17	84	27 C	8.3	546			2.13		.00	3.44		1.83			--			
									39			63		34						
09/28/71	5050	2.98	7.6	63.5F	7.9		46	40	67	.9	.0	345	30	86	.1	.20	--	462	279	40E
1100	5050	.0	79	17.5C	7.7	822	2.30	3.29	2.91	.02	.00	5.65	.62	2.43	.00		--	440	3	1.7
							27	39	34			65	7	28						
	A0	2967.00			BUTTE SLOUGH AT OUTFALL GATES															
10/14/70	5050		6.6	62 F	7.0		--	--	11	--	.0	106	--	7.6	--	.10	--		79	35E
1000	5050	223	67	17 C	8.0	196			.48		.00	1.74		.21			--			
									24			89		11						
11/19/70	5050	9.88	9.0	53.6F	7.0		14	9.2	10	1.6	.0	93	8.7	5.9	1.0	.10	--	127	73	20E
1000	5050	.0	83	12.0C	7.8	180	.70	.76	.44	.04	.00	1.52	.18	.17	.02		--	96	3	0.5
							36	39	23	2		80	10	9	1					
12/17/70	5050	9.87	7.5	48.2F	6.8		--	--	8.8	--	.0	72	--	4.1	--	.00	--		58	80E
1050	5050	.0	65	9.0C	7.3	153			.38		.00	1.18		.12			--			
									25			77		8						
01/19/71	5050		10.7	52.0F	7.1		14	8.8	13	1.5	.0	102	7.1	10	1.1	.10	--	127	71	120E
1045	5050	.0	97	11.1C		204	.70	.72	.57	.04	.00	1.67	.15	.28	.02		--	106	13	0.7
							34	35	28	2		79	7	13	1					
	A0	2972.00			BUTTE SLOUGH NEAR MERIDIAN															
02/23/71	5050	3.96	10.9	48 F	7.3		--	--	13	--	.0	129	--	9.2	--	.10	--		99	35E
1050	5050	594	94	9 C	7.9	237			.57		.00	2.11		.26			--			
									24			89		11						
03/24/71	5050	2.62	8.8	57 F	7.1		14	8.0	8.9	.9	.0	81	4.8	8.0	.2	.00	--	95	68	105E
0950	5050	388	85	14 C	7.1	178	.70	.66	.39	.02	.00	1.33	.10	.23	.00		--	85	2	0.5
							40	37	22	1		80	6	14						
04/20/71	5050	5.27	9.0	58 F	7.1		--	--	5.5	--	.0	77	--	3.9	--	.00	--		58	50E
1030	5050	908	88	14 C	7.5	140			.24		.00	1.26		.11			--			
									17			90		8						

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. 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
AO	2972.00				BUTTE SLOUGH NEAR MERIDIAN									CONTINUED						
05/25/71	5050	5.63	7.8	72 F	7.1		16	9.1	11	1.1	.0	102	15	2.5	1.3	.00	--	124	77	4E
1035	5050	943	89	22 C	7.6	204	.80	.75	.48	.03	.00	1.67	.31	.07	.02		--	106	6	0.5
							39	36	23	1		81	15	3	1					
06/10/71	5050	4.90	6.6	72 F	7.2		--	--	11	--	.0	136	--	4.8	--	.00	--		92	40E
1015	5050	737	75	22 C	7.4	231			.48		.00	2.23		.14			--			
									21			97		6						
07/15/71	5050	2.11	6.3	82 F	7.4		27	16	20	.8	.0	186	12	8.0	.6	.00	--	194	135	5E
1050	5050	243	80	28 C	7.9	334	1.35	1.32	.87	.02	.00	3.05	.25	.23	.01		--	176	19	0.8
							38	37	24	1		86	7	6						
08/11/71	5050	2.85	6.4	82 F	7.2		--	--	19	--	.0	192	--	6.7	--	.10	--		130	30E
0930	5050	383	81	28 C	8.0	322			.83		.00	3.15		.19			--			
									26			98		6						
09/28/71	5050	2.26	8.7	64 F	7.2		20	12	13	1.5	.0	139	2.3	4.4	.3	.00	--	156	99	15E
1025	5050	344	91	18 C	7.4	247	1.00	.99	.57	.04	.00	2.28	.05	.12	.00		--	122	15	0.6
							38	38	22	2		93	2	5						
AO	2976.00				COLUSA BASIN DRAIN AT HIGHWAY 20															
10/14/70	5050	7.06	8.2	62 F	7.4		33	26	64	2.6	.0	235	82	37	1.9	.20	--	360	188	100E
0835	5050	146	84	17 C	7.5	617	1.65	2.14	2.78	.07	.00	3.85	1.71	1.04	.03		--	362	3	2.0
							25	32	42	1		58	26	16						
11/19/70	5050	8.13	9.6	50.0F	8.0		37	31	84	2.9	.0	273	125	42	2.6	.30	--	387	218	45E
0910	5050	152	85	10.0C	8.0	748	1.85	2.55	3.65	.07	.00	4.47	2.60	1.18	.04		--	459	4	2.5
							23	31	45	1		54	31	14						
12/17/70	5050	1.16	11.1	46.4F	7.9		33	26	82	3.2	.0	224	118	42	4.6	.30	--	403	190	150E
1005	5050	715	93	8.0C	8.3	701	1.65	2.14	3.57	.08	.00	3.67	2.46	1.18	.07		--	419	6	2.6
							22	29	48	1		50	33	16	1					
01/19/71	5050	3.93	9.0	55.0F	7.4		28	20	63	2.9	.0	189	91	28	2.8	.30	--	341	152	550E
0930	5050	1250	85	12.8C		593	1.40	1.64	2.74	.07	.00	3.10	1.89	.79	.05		--	329	3	2.2
							24	28	47	1		53	32	14	1					
02/23/71	5050	8.00	10.6	49 F	8.2		53	46	172	2.1	10	331	275	92	4.8	.20	--	780	322	60E
0945	5050	133	92	9 C	8.4	1310	2.64	3.78	7.48	.05	.33	5.43	5.73	2.59	.08		--	818	33	4.2
							19	27	54		2	38	40	18	1					
03/24/71	5050	8.80	8.2	60 F	7.9		33	28	102	2.2	.0	236	135	60	3.2	.30	--	507	200	360E
0840	5050	296	82	16 C	8.3	819	1.65	2.30	4.44	.06	.00	3.87	2.81	1.69	.05		--	480	4	3.2
							20	27	53	1		46	33	20	1					
04/20/71	5050	8.38	9.3	57 F	7.7		25	19	49	1.8	.0	158	83	28	1.7	.20	--	305	141	140E
0900	5050	198	90	14 C	8.0	490	1.25	1.56	2.13	.05	.00	2.59	1.73	.79	.03		--	285	11	1.8
							25	31	43	1		50	34	15	1					
05/25/71	5050	1.07	8.0	70 F	7.7		27	20	60	1.3	.0	185	82	29	2.7	.20	--	331	150	13E
0940	5050	732	89	21 C	7.8	548	1.35	1.64	2.61	.03	.00	3.03	1.71	.82	.04		--	313	2	2.1
							24	29	46	1		54	31	15	1					
06/10/71	5050	8.89	7.8	68 F	7.9		31	28	81	.8	.0	202	128	51	2.7	.40	--	430	193	70E
0845	5050	222	85	20 C	7.9	774	1.55	2.30	3.52	.02	.00	3.31	2.66	1.44	.04		--	422	27	2.5
							21	31	48			44	36	19	1					
07/15/71	5050	0.30	7.1	77.9F	7.4		28	23	59	.8	.0	213	70	25	2.8	.30	--	241	164	25E
0940	5050	380	86	25.5C	8.0	511	1.40	1.89	2.57	.02	.00	3.49	1.46	.71	.05		--	314	10	2.0
							24	32	44			61	26	12	1					
08/11/71	5050	1.13	6.6	79 F	7.3		29	20	50	.6	.0	220	55	26	1.2	.40	--	294	156	60E
0800	5050	551	81	26 C	8.3	508	1.45	1.64	2.18	.02	.00	3.61	1.15	.73	.02		--	290	26	1.7
							27	31	41			66	21	13						
09/28/71	5050	9.25	9.1	61 F	7.6		27	23	44	1.6	.0	198	57	24	2.2	.20	--	301	161	4E
0925	5050	352	92	16 C	8.2	504	1.35	1.89	1.91	.04	.00	3.25	1.19	.68	.04		--	276	1	1.5
							26	36	37	1		63	23	13	1					
AO	3220.01				THOMES CREEK AT RICHFIELD															
04/12/71	5050		9.6	63 F	7.8		22	7.0	3.0	1.3	.0	92	12	1.2	.0	.00	--	110	84	90E
1545	5050	500	99	17 C	7.9	182	1.10	.58	.13	.03	.00	1.51	.25	.03	.00		--	92	9	0.1
							60	32	7	2		84	14	2						
AO	3460.00				RED BANK CREEK NEAR RED BLUFF															
05/18/71	5050		10.0	59.9F	8.0		52	28	17	.6	4.0	265	44	7.4	.0	.00	--	294	246	1E
0745	5050	4.4	100	15.5C	8.4	509	2.59	2.30	.74	.02	.13	4.34	.92	.21	.00		--	283	21	0.5
							46	41	13		2	78	16	4						
AO	3520.50				COTTONWOOD CREEK AT COTTONWOOD															
10/07/70	5050		11.1	59.0F	7.4		--	--	6.1	--	.0	82	--	3.7	--	.00	--		62	3E
1415	5050	115	110	15.0C	7.5	146			.27		.00	1.34		.10			--			
									18			92		7						
11/12/70	5050		10.6	55.4F	7.8		29	13	14	1.1	.0	118	27	18	2.8	.10	--	164	126	5E
1445	5050	558	100	13.0C	8.3	306	1.45	1.07	.61	.03	.00	1.93	.56	.51	.05		--	163	30	0.5
							46	34	19	1		63	18	17	2					
12/10/70	5050		11.6	42.8F	7.3		--	--	7.0	--	.0	98	--	5.0	--	.00	--		86	80E
0945	5050	2780	93	6.0C	7.7	204			.30		.00	1.61		.14			--			
									15			79		7						
01/13/71	5050		13.3	39.2F	7.5		24	11	7.8	.8	.0	117	18	6.3	.5	.00	--	143	106	40E
1320	5050	1130	101	4.0C		248	1.20	.90	.34	.02	.00	1.92	.37	.18	.01		--	126	9	0.3
							49	37	14	1		77	15	7						
02/08/71	5050		11.8	50 F	7.6		--	--	7.2	--	.0	122	--	6.7	--	.00	--		115	7E
1415	5050	1160	104	10 C	8.2	237			.31		.00	2.00		.19			--			
									13			84		8						

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	OO 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				
	A0	3520.50				COTTONWOOD CREEK AT COTTONWOOD								CONTINUED						
03/09/71	5050		12.8	49 F	8.0		--	--	8.6	--	.0	130	--	7.9	--	.10	--		118	2E
1030	5050	498	112	9 C	8.2	252			.37		.00	2.13		.22			--			
									15			85		9						
04/18/71	5050		10.3	66 F	7.8		--	--	6.4	--	.0	123	--	5.2	--	.10	--		109	6E
1450	5050	936	110	19 C	7.7	232			.28		.00	2.02		.15			--			
									12			87		6						
05/24/71	5050		10.0	66 F	7.4		--	--	7.0	--	.0	109	--	5.0	--	.00	--		96	2E
0920	5050	480	107	19 C	8.0	214			.30		.00	1.79		.14			--			
									14			84		7						
06/09/71	5050		9.6	68 F	7.4		--	--	7.5	--	.0	113	--	5.3	--	.00	--		99	2E
0910	5050	418	105	20 C	7.6	212			.33		.00	1.85		.15			--			
									16			87		7						
07/14/71	5050		9.8	75 F	7.4		--	--	7.6	--	.0	131	--	6.7	--	.00	--		113	2E
0920	5050	148	115	24 C	7.6	249			.33		.00	2.15		.19			--			
									13			86		8						
08/10/71	5050		6.5	73 F	7.0		--	--	7.6	--	.0	128	--	6.6	--	.10	--		108	2E
0755	5050	68	75	23 C	7.4	230			.33		.00	2.10		.19			--			
									14			91		8						
09/27/71	5050		9.0	59 F	7.1		--	--	7.5	--	.0	97	--	4.1	--	.00	--		79	4E
0755	5050	92	89	15 C	7.5	182			.33		.00	1.59		.12			--			
									18			87		7						
	A0	3540.00				COTTONWOOD CREEK BELOW NORTH FORK COTTONWOOD CREEK														
11/12/70	5050		10.8	52.7F	8.1		26	15	11	1.6	.0	123	26	12	3.0	.00	--	162	128	70E
1400	5050	300	99	11.5C	8.3	289	1.30	1.23	.48	.04	.00	2.02	.54	.34	.05		--	155	26	0.4
							43	40	16	1		68	18	12	2					
01/18/71	5050		11.4	52.0F	7.6		--	--	3.0	--	.0	83	--	1.5	--	.10	--		72	380E
1530	5050	5030	103	11.1C	8.0	153			.13		.00	1.36		.04			--			
									8			89		3						
03/09/71	5050		12.1	45 F	7.8		--	--	6.0	--	.0	112	--	5.1	--	.10	--		97	4E
0950	5050	230	100	7 C	8.1	213			.26		.00	1.84		.14			--			
									12			86		7						
05/24/71	5050		10.1	68.0F	7.9		20	12	5.3	.9	.0	115	9.6	3.4	.0	.00	--	108	100	1E
1045	5050	220	110	20.0C	8.2	213	1.00	.99	.23	.02	.00	1.88	.20	.10	.00		--	108	6	0.2
							45	44	10	1		86	9	5						
07/14/71	5050		8.6	74.3F	7.6		--	--	7.2	--	.0	145	--	7.3	--	.00	--		130	1E
0955	5050	55	100	23.5C	7.7	263			.31		.00	2.38		.21			--			
									12			90		8						
09/27/71	5050		8.8	61.7F	7.2		--	--	10	--	.0	170	--	15	--	.00	--		157	2E
0925	5050	16	90	16.5C	7.6	322			.44		.00	2.79		.42			--			
									14			87		13						
	A0	3595.00				COTTONWOOD CREEK SOUTH FORK NEAR COTTONWOOD														
11/12/70	5050	2.96	10.7	55.4F	8.2		35	8.4	18	1.1	.0	120	20	30	.0	.10	--	184	122	25E
1315	5050	117	101	13.0C	8.3	333	1.75	.69	.78	.03	.00	1.97	.42	.85	.00		--	172	24	0.7
							54	21	24	1		61	13	26						
01/13/71	5050	3.30	13.4	38.3F	7.6		--	--	8.2	--	.0	112	--	9.2	--	.10	--		107	35E
1445	5050	370	101	3.5C	8.1	242			.36		.00	1.84		.26			--			
									15			76		11						
03/09/71	5050	2.66	12.1	47 F	8.0		34	12	11	.8	22	104	21	11	.0	.10	--	154	135	4E
1100	5050	102	103	8 C	8.6	298	1.70	.99	.48	.02	.73	1.70	.44	.31	.00		--	163	13	0.4
							53	31	15	1	23	53	14	10						
05/24/71	5050	2.82	10.6	63.5F	7.7		--	--	7.5	--	.0	101	--	7.0	--	.00	--		89	2E
0835	5050	164	110	17.5C	8.1	204			.33		.00	1.66		.20			--			
									16			81		10						
07/14/71	5050	2.00	9.5	72 F	7.8		--	--	10	--	.0	128	--	14	--	.10	--		121	2E
0820	5050	27	108	22 C	8.0	277			.44		.00	2.10		.39			--			
									16			76		14						
	A0	4321.01				DEER CREEK AT HWY 99E NEAR VINA														
05/18/71	5050		11.2	61.7F	7.2		3.7	4.8	4.3	.7	.0	45	.0	.0	.0	.00	--	63	29	0E
1350	5050	520	114	16.5C	7.7	79	.18	.39	.19	.02	.00	.74	.00	.00	.00		--	36	9	0.3
							23	50	24	3		100								
06/08/71	5050		10.0	68.9F	7.4		--	--	5.7	--	.0	53	--	1.0	--	.00	--		39	2E
1155	5050	370	110	20.5C	7.5	94			.25		.00	.87		.03			--			
									27			93		3						
07/09/71	5050		9.6	79.7F	7.7		--	--	7.2	--	.0	82	--	1.7	--	.10	--		56	2E
1240	5050	190	118	26.5C	7.8	142			.31		.00	1.34		.05			--			
									22			94		4						
08/09/71	5050		10.5	84 F	8.1		--	--	9.0	--	.0	123	--	4.6	--	.20	--		87	1E
1040	5050	130	135	29 C	7.8	208			.39		.00	2.02		.13			--			
									19			97		6						
09/24/71	5050		12.3	75 F	8.4		14	11	12	2.1	.0	118	.0	4.8	.0	.20	--	140	80	1E
1225	5050	106	145	24 C	8.2	201	.70	.90	.52	.05	.00	1.93	.00	.14	.00		--	102	17	0.6
							32	41	24	2		93		7						
	A0	4420.50				MILL CREEK NEAR MOUTH NEAR LOS MOLINOS														
11/10/70	5050		11.2	51.8F	7.1		--	--	8.4	--	.0	32	--	11	--	.30	--		39	55E
1400	5050	463	101	11.0C	7.3	130			.37		.00	.52		.31			--			
									28			40		24						
01/12/71	5050		13.4	41.9F	7.5		--	--	10	--	.0	49	--	14	--	.40	--		44	1E
1140	5050	291	106	5.5C	7.8	143			.44		.00	.80		.39			--			
									31			56		27						

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. O 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				
	A0	4420.50			MILL CREEK NEAR MOUTH NEAR LOS MOLINOS									CONTINUED						
03/10/71	5050		11.6	50 F	7.6		--	--	13	--	.0	53	--	15	--	.50	--		47	2E
1400	5050	178	102	10 C	7.8	163			.57		.00	.87		.42			--			
									35			53		26						
05/18/71	5050		11.0	59.9F	7.3		7.1	2.6	6.6	1.3	.0	32	9.7	5.1	.0	.20	--	79	28	1E
1420	5050	449	110	15.5C	7.5	98	.35	.21	.29	.03	.00	.52	.20	.14	.00		--	48	2	0.5
							40	24	33	3		60	23	16						
07/09/71	5050		9.8	70 F	7.7		--	--	7.8	--	.0	33	--	7.0	--	.20	--		36	3E
1305	5050	312	109	21 C	7.7	119			.34		.00	.54		.20			--			
									29			45		17						
09/24/71	5050		11.7	68 F	7.4		14	8.3	14	2.9	.0	82	12	16	.0	.40	--	150	69	1E
1250	5050	115	128	20 C	7.8	218	.70	.68	.61	.07	.00	1.34	.25	.45	.00		--	108	2	0.7
							34	33	30	3		66	12	22						
	A0	4520.50			ANTELOPE CREEK NEAR MOUTH NEAR RED BLUFF															
10/08/70	5050		10.2	54.5F	7.4		22	4.9	16	4.1	.0	82	10	22	.0	.60	--	155	75	30E
0915	5050	43	95	12.5C	8.0	220	1.10	.40	.70	.10	.00	1.34	.21	.62	.00		--	120	8	0.8
							48	17	30	4		62	10	29						
02/08/71	5050		12.5	46 F	7.3		12	5.8	6.8	.8	.0	73	.8	5.4	.0	.00	--	89	54	2E
1230	5050	121	105	8 C	8.2	137	.60	.48	.30	.02	.00	1.20	.02	.15	.00		--	67	6	0.4
							43	34	21	1		88	1	11						
	A0	5103.00			FEATHER RIVER AT NICOLAUS															
10/07/70	5050		10.0	59.4F	7.3	86	8.8	3.2	3.6	--	.0	45	1.3	.3	--	.00	.1	64	35	
0900	5050	5530	99	15.2C	7.8	82	.44	.26	.16		.00	.74	.03	.01			--	39	2	0.3
							54	32	20			90	4	1						
10/20/70	5050	3.97	10.3	58 F	7.3	80	--	--	--	--	--	--	--	--	--	--	--			6E
1100	5050	5500	100	14 C		84											--			
11/05/70	5050		10.6	56.0F	7.3	88	8.8	3.4	3.0	--	.0	46	3.1	1.3	--	.00	.0	54	36	
1020	5050	6200	101	13.3C	7.6	84	.44	.28	.13		.00	.75	.06	.04			--	42	2	0.2
		2					52	33	15			89	7	5						
11/17/70	5050	4.47	11.1	54.0F	7.2	85	--	--	--	--	--	--	--	--	--	--	--			7E
1315	5050	6220	103	12.2C		84											--			
12/09/70	5050		10.6	50.4F	7.3	96	8.1	3.6	3.8	--	.0	41	3.6	2.9	--	.10	.0	65	35	
1010	5050	14800	94	10.2C	7.4	88	.40	.30	.17		.00	.67	.07	.08			--	42	2	0.3
		2					45	34	19			76	8	9						
12/21/70	5050	2.90	11.2	47 F	7.3	89	--	--	--	--	--	--	--	--	--	--	--			15E
1040	5050	11500	95	8 C		88											--			
03/17/71	5050	0.44	11.9	49 F	7.3	88	--	--	--	--	--	--	--	--	--	--	--			25E
0830	5050	13800	104	9 C		85											--			
04/21/71	5050	8.68	11.0	52.0F	7.4	85	--	--	--	--	--	--	--	--	--	--	--			10E
0930	5050	13860	100	11.1C		81											--			
05/19/71	5050	6.43	9.4	59.0F	7.5	80	--	--	--	--	--	--	--	--	--	--	--			10E
0715	5050	9240	93	15.0C		80											--			
06/16/71	5050	7.01	8.3	78 F	7.6	84	--	--	--	--	--	--	--	--	--	--	--			25E
1040	5050	10520	101	26 C		74											--			
07/21/71	5050	5.17	8.5	75 F	7.3	70	--	--	--	--	--	--	--	--	--	--	--			10E
1220	5050	7289	100	24 C		74											--			
08/18/71	5050	6.75	9.0	70 F	7.3	75	--	--	--	--	--	--	--	--	--	--	--			7E
1200	5050	10050	100	21 C		77											--			
09/15/71	5050	7.92	9.4	64 F	7.3	75	--	--	--	--	--	--	--	--	--	--	--			10E
1140	5050	12320	98	18 C		78											--			
	A0	5111.01			FEATHER RIVER BELOW STAR BEND															
10/13/70	5403			58 F	7.3		--	--	--	--	--	--	--	--	--	--	--			6E
0910	5050			14 C		82											--			
10/24/70	5403			50.0F	7.2		--	--	--	--	--	--	--	--	--	--	--			5E
0930	5050			10.0C		88											--			
11/10/70	5403			51 F	7.1		--	--	--	--	--	--	--	--	--	--	--			10E
0935	5050			11 C		85											--			
11/24/70	5403			46.0F	7.1		--	--	--	--	--	--	--	--	--	--	--			5E
0900	5050			7.8C		86											--			
12/08/70	5403			44.0F	7.0		--	--	--	--	--	--	--	--	--	--	--			35E
0930	5050			6.7C		83											--			
12/22/70	5403			38.0F	7.0		--	--	--	--	--	--	--	--	--	--	--			15E
0930	5050			3.3C		89											--			

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. 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
A0	5120.00			FEATHER RIVER BELOW SHANGHAI BEND																
10/07/70	5050	5.97	10.3	57.6F	7.3	87	--	--	--	--	--	--	--	--	--	--	--			7E
0815	5050	4857	100	14.2C		83											--			
10/20/70	5050	6.03	10.5	56 F	7.2	80	--	--	--	--	--	--	--	--	--	--	--			6E
0950	5050	5067	100	13 C		85											--			
11/04/70	5050	6.18	10.7	54.8F	7.3	89	--	--	--	--	--	--	--	--	--	--	--			7E
1630	5050	5432	100	12.7C		84											--			
		2																		
11/17/70	5050	6.44	11.0	52.0F	7.2	85	--	--	--	--	--	--	--	--	--	--	--			8E
1120	5050	5959	100	11.1C		83											--			
12/08/70	5050	0.40	11.1	51.0F	7.3	90	--	--	--	--	--	--	--	--	--	--	--			40E
1415	5050	12680	99	10.5C		84											--			
		2																		
12/21/70	5050	9.16	11.7	46 F	7.3	90	--	--	--	--	--	--	--	--	--	--	--			15E
1130	5050	10690	98	8 C		88											--			
01/06/71	5050	9.14	12.6	43.5F	7.3	95	--	--	--	--	--	--	--	--	--	--	--			7E
1020	5050	10710	102	6.4C		87											--			
		2																		
A0	5125.00			FEATHER RIVER AT SHANGHAI BEND																
10/27/70	5213	6.15		53.0F	7.3		--	--	--	--	--	--	--	--	--	--	--			8E
0825	5050	5309		11.7C		93											--			
11/10/70	5213	6.75	11.0	56 F	7.7		--	--	--	--	--	--	--	--	--	--	--			15E
0725	5050	6385	105	13 C		91											--			
11/24/70	5213	6.28	12.0	53.0F	7.4		--	--	--	--	--	--	--	--	--	--	--			8E
0845	5050	5787	110	11.7C		92											--			
12/08/70	5213	0.32	11.0	50.0F	7.5		--	--	--	--	--	--	--	--	--	--	--			15E
0820	5050	12530	97	10.0C		90											--			
A0	5134.01			FEATHER RIVER ABOVE YUBA RIVER AT YUBA CITY																
10/27/70	5212	1.23		54.0F	7.9		--	--	--	--	--	--	--	--	--	--	--			8E
1315	5050			12.2C		95											--			
11/10/70	5212		9.8	57.0F	7.6		--	--	--	--	--	--	--	--	--	--	--			7E
1115	5050		95	13.9C		91											--			
11/24/70	5212	1.23	10.5	53.2F	7.8		--	--	--	--	--	--	--	--	--	--	--			9E
0930	5050		97	11.8C		96											--			
12/08/70	5212		9.9	50.7F	7.6		--	--	--	--	--	--	--	--	--	--	--			10E
1315	5050		88	10.4C		90											--			
12/22/70	5212		10.2	45.3F	7.9		--	--	--	--	--	--	--	--	--	--	--			25E
1240	5050		85	7.4C		91											--			
A0	5136.01			FEATHER RIVER AT YUBA CITY DIVERSION																
10/27/70	5212	9.00	10.7	54.0F	7.9		--	--	--	--	--	--	--	--	--	--	--			6E
1345	5050		99	12.2C		91											--			
11/10/70	5212	9.50	10.1	56.5F	7.8		--	--	--	--	--	--	--	--	--	--	--			7E
1145	5050		97	13.6C		88											--			
11/24/70	5212	9.50	10.7	52.9F	7.9		--	--	--	--	--	--	--	--	--	--	--			2E
1005	5050		98	11.6C		110											--			
12/08/70	5212		11.0	50.5F	7.7		--	--	--	--	--	--	--	--	--	--	--			15E
1345	5050		98	10.3C		90											--			
12/22/70	5212		11.3	45.1F	8.0		--	--	--	--	--	--	--	--	--	--	--			15E
1220	5050		94	7.3C		91											--			
A0	5165.00			FEATHER RIVER NEAR GRIDLEY																
10/07/70	5050	6.42	9.8	57.5F	7.3	88	8.1	3.4	2.8	--	.0	45	1.2	.7	--	.00	.1	59	34	
0645	5050	3034	95	14.2C	7.7	82	.40	.28	.12		.00	.74	.02	.02			--	38	3	0.2
							49	34	15			90	2	2						
10/20/70	5050	6.42	10.1	57 F	7.3	83	--	--	--	--	--	--	--	--	--	--	--			5E
0840	5050	3054	97	14 C		93											--			
11/05/70	5050	6.49	10.3	55.8F	7.3	91	8.9	3.4	3.2	--	.0	49	2.6	1.4	--	.10	.0	50	36	
0830	5050	3199	98	13.2C	7.5	86	.44	.28	.14		.00	.80	.05	.04			--	44	4	0.2
		4.5					51	33	16			93	6	5						
11/17/70	5050	6.41	10.6	56.0F	7.4	92	--	--	--	--	--	--	--	--	--	--	--			4E
1020	5050	3034	101	13.3C		89											--			

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O 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	5165.00			FEATHER RIVER NEAR GRIDLEY									CONTINUED						
12/09/70	5050	8.16	11.5	50.4F	7.3	96	9.0	3.5	3.6	--	.0	49	.6	1.8	--	.00	.0	55	37	
0840	5050	7208	102	10.2C	7.5	88	.45	.29	.16		.00	.80	.01	.05			--	43	3	0.3
							51	33	18			91	1	6						
12/21/70	5050	7.32	11.8	46 F	7.4	89	--	--	--	--	--	--	--	--	--	--	--			4E
1230	5050	5214	99	8 C		88											--			
05/18/71	5050	8.03	7.4	64 F	7.4	78	--	--	--	--	--	--	--	--	--	--	--			
1700		7090	77	18 C													--			
	AO	5191.00			FEATHER RIVER AT OROVILLE															
05/20/71	5050	0.59	8.3	62 F	7.3	76	--	--	--	--	--	--	--	--	--	--	--			
0725		342	85	17 C													--			
	AO	5660.00			JACK SLOUGH AT MARYSVILLE															
10/13/70	5401			58 F	7.2		--	--	--	--	--	--	--	--	--	--	--			11E
0935	5050			14 C		87											--			
10/27/70	5401			60.0F	7.2		--	--	--	--	--	--	--	--	--	--	--			30E
1115	5050			15.5C		126											--			
11/10/70	5401			58 F	6.7		--	--	--	--	--	--	--	--	--	--	--			25E
0907	5050			14 C		134											--			
12/08/70	5401			52.0F	6.5		--	--	--	--	--	--	--	--	--	--	--			30E
0936	5050			11.1C		99											--			
12/22/70	5401			43.0F	6.7		--	--	--	--	--	--	--	--	--	--	--			35E
1045	5050			6.1C		90											--			
	AO	5710.01			NORTH HONCUT CREEK AT HIGHWAY 70															
10/27/70	5401			60.0F	7.3		--	--	--	--	--	--	--	--	--	--	--			7E
1042	5050			15.5C		224											--			
11/10/70	5401			59 F	7.0		--	--	--	--	--	--	--	--	--	--	--			7E
0836	5050	50		15 C		186											--			
12/08/70	5401			53.0F	6.9		--	--	--	--	--	--	--	--	--	--	--			15E
0907	5050			11.7C		125											--			
12/22/70	5401			48.0F	6.9		--	--	--	--	--	--	--	--	--	--	--			30E
0839	5050			8.9C		96											--			
	AO	6120.00			YUBA RIVER AT MARYSVILLE															
10/01/70	5050		10.2	60.9F	7.3	80	--	--	--	--	--	--	--	--	--	--	--			
1000			103	16.0C													--			
10/27/70	5213			49.0F	7.3		--	--	--	--	--	--	--	--	--	--	--			4E
0845	5050			9.4C		80											--			
11/04/70	5050		10.5	50.5F	7.2	76	--	--	--	--	--	--	--	--	--	--	--			
1040			93	10.3C													--			
11/10/70	5213		12.0	49 F	7.3		--	--	--	--	--	--	--	--	--	--	--			10E
0800	5050		105	9 C		72											--			
11/24/70	5213		12.0	47.0F	7.1		--	--	--	--	--	--	--	--	--	--	--			2E
0955	5050		102	8.3C		75											--			
12/04/70	5050		11.7	49 F	7.3	62	--	--	--	--	--	--	--	--	--	--	--			
1200			102	9 C													--			
12/08/70	5213			49.0F			--	--	--	--	--	--	--	--	--	--	--			35E
0850	5050			9.4C		69											--			
01/07/71	5050		13.0	45.5F	7.3	84	--	--	--	--	--	--	--	--	--	--	--			
1450			108	7.5C													--			
02/02/71	5050		12.6	44.0F	7.2	84	--	--	--	--	--	--	--	--	--	--	--			
0935			103	6.7C													--			
03/02/71	5050		13.5	47.5F	7.3	83	--	--	--	--	--	--	--	--	--	--	--			
1400			115	8.6C													--			
04/05/71	5050		10.8	58 F	7.3	75	--	--	--	--	--	--	--	--	--	--	--			
1400			105	14 C													--			
05/04/71	5050		11.2	54.0F	7.3	78	--	--	--	--	--	--	--	--	--	--	--			
1230		1560	104	12.2C													--			

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. 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
	A0	6120.00			YUBA RIVER AT MARYSVILLE									CONTINUED						
05/04/71	5050		11.2	54 F	7.3	78	8.1	3.1	2.3	--	.0	41	--	.8	--	--	--		33	1E
1230	5050	1560	104	12 C	7.8	78	.40	.25	.10		.00	.67		.02			--		1	0.2
							51	32	13			86		3						
05/20/71	5050		9.0	67 F	7.0	76	--	--	--	--	--	--	--	--	--	--	--			
0630			97	19 C													--			
07/09/71	5050		10.6	58 F	7.2	58	--	--	--	--	--	--	--	--	--	--	--			
0845			103	14 C													--			
08/04/71	5050		9.5	72 F	7.3	62	--	--	--	--	--	--	--	--	--	--	--			
1330			108	22 C													--			
09/01/71	5050		9.8	65 F	7.4	65	--	--	--	--	--	--	--	--	--	--	--			
1230			104	18 C													--			
	A0	6150.00			YUBA RIVER NEAR MARYSVILLE															
10/13/70	5402		14.4	60.8F	7.4		--	--	--	--	--	--	--	--	--	--	--			2E
1030	5050	2100	145	16.0C		75											--			
10/27/70	5402			52.0F	7.5		--	--	--	--	--	--	--	--	--	--	--			3E
1045	5050	2360		11.1C		79											--			
11/10/70	5402		14.0	50 F	7.4		--	--	--	--	--	--	--	--	--	--	--			10E
1040	5050	3240	124	10 C		72											--			
11/24/70	5402		14.0	49.0F	7.4		--	--	--	--	--	--	--	--	--	--	--			3E
1140	5050	2800	122	9.4C		72											--			
12/08/70	5402		12.0	50.0F	7.3		--	--	--	--	--	--	--	--	--	--	--			45E
1105	5050	4130	106	10.0C		69											--			
12/22/70	5402		16.2	52.0F	7.4		--	--	--	--	--	--	--	--	--	--	--			10E
1045	5050	4320	147	11.1C		80											--			
	A0	6512.01			BEAR RIVER NEAR RIO OSO															
10/20/70	5050		9.1	58 F	7.3	135	--	--	--	--	--	--	--	--	--	--	--			15E
0730	5050		89	14 C		136											--			
11/17/70	5050		10.4	53.5F	7.4	160	--	--	--	--	--	--	--	--	--	--	--			30E
0920	5050	40	96	11.9C		158											--			
12/08/70	5050		7.7	53.8F	7.1	128	--	--	--	--	--	--	--	--	--	--	--			25E
1510	5050		71	12.1C		118											--			
		0.5																		
12/21/70	5050		11.5	47 F	7.3	94	--	--	--	--	--	--	--	--	--	--	--			35E
1330	5050		98	8 C		94											--			
01/06/71	5050		12.7	37.0F	7.3	144	--	--	--	--	--	--	--	--	--	--	--			20E
0755	5050		93	2.8C		129											--			
		0.5																		
	A0	6535.01			BEAR RIVER AT FORTY MILE ROAD NEAR WHEATLAND															
12/08/70	5405	8.50	11.0	52.0F	7.0		--	--	--	--	--	--	--	--	--	--	--			35E
1330	5050		100	11.1C		75											--			
12/22/70	5405	8.30	11.0	50.0F	7.3		--	--	--	--	--	--	--	--	--	--	--			30E
1330	5050		97	10.0C		70											--			
	A0	6550.00			BEAR RIVER NEAR WHEATLAND															
10/01/70	5050	4.51	9.0	65 F	7.5	175	16	8.5	5.9	--	.0	79	--	6.2	--	--	--		75	2E
0745	5050		95	18 C	7.9	177	.80	.70	.26		.00	1.29		.17			--		11	0.3
							45	40	15			73		10						
10/27/70	5405			62.0F			--	--	--	--	--	--	--	--	--	--	--			10E
1330	5050			16.7C		189											--			
11/04/70	5050		9.5	59 F	7.3	130	--	--	--	--	--	--	--	--	--	--	--			
0940			94	15 C													--			
12/04/70	5050	5.35	12.0	53 F	7.3	86	8.0	3.4	2.8	--	.0	36	--	4.3	--	--	--		34	220E
1320	5050		110	12 C	7.5	88	.40	.28	.12		.00	.59		.12			--		5	0.2
							45	32	14			67		14						
12/08/70	5405	8.25		52.0F	7.0		--	--	--	--	--	--	--	--	--	--	--			35E
1300	5050	1670		11.1C		75											--			
12/22/70	5405	8.13	11.0	50.0F	7.2		--	--	--	--	--	--	--	--	--	--	--			20E
1300	5050	1570	97	10.0C		71											--			
01/07/71	5050		12.4	46.5F	7.3	81	--	--	--	--	--	--	--	--	--	--	--			
1340		304	105	8.0C													--			

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. D DEPTH	DO SAT	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	TURB SAR
	A0	6550.00			BEAR RIVER NEAR WHEATLAND									CONTINUED						
02/02/71	5050		12.4	46 F	7.2	80	--	--	--	--	--	--	--	--	--	--	--			
0830		852	104	8 C													--			
03/02/71	5050		13.1	51 F	7.9	86	--	--	--	--	--	--	--	--	--	--	--			
1500		138	117	11 C													--			
04/05/71	5050	7.38	10.5	61.5F	7.5	72	8.5	2.1	2.8	--	.0	32	--	3.4	--	--	--		30	25E
1520	5050	1030	107	16.4C	7.4	72	.42	.17	.12		.00	.52		.10			--		4	0.2
							58	24	17			72		14						
05/04/71	5050	6.31	10.4	58.5F	7.3	73	5.9	3.0	2.8	--	.0	30	--	3.4	--	--	--		27	7E
1045	5050	455	102	14.7C	7.5	73	.29	.25	.12		.00	.49		.10			--		3	0.2
							40	34	16			67		14						
07/09/71	5050		8.8	72 F	7.3	84	--	--	--	--	--	--	--	--	--	--	--			
0745		41	100	22 C													--			
08/04/71	5050		9.0	83 F	8.0	140	16	5.1	4.2	--	.0	63	--	4.9	--	--	--		61	1E
1445	5050	21	114	28 C	7.9	144	.80	.42	.18		.00	1.03		.14			--		10	0.2
							56	29	12			72		10						
09/01/71	5050		9.5	71 F	7.4	75	--	--	--	--	--	--	--	--	--	--	--			
1340		83	107	22 C													--			
	A0	6620.01			DRY CREEK AT FORTY MILE ROAD NEAR RIO OSO															
12/08/70	5405	6.00			7.5		--	--	--	--	--	--	--	--	--	--	--			15E
	5050	3.5				165											--			
12/22/70	5405	6.50	10.0	45.0F	7.0		--	--	--	--	--	--	--	--	--	--	--			15E
1345	5050	4.5	83	7.2C		139											--			
	A0	7140.10			AMERICAN RIVER AT SACRAMENTO WATER PLANT															
10/30/70	5050			58 F		50	--	--	--	--	--	--	--	--	--	--	--			
1330				14 C													--			
11/13/70	5050		10.3	60 F	7.2	54	--	--	--	--	--	--	--	--	--	--	--			
1330			103	16 C													--			
12/23/70	5050		11.7	50 F	7.3	62	--	--	--	--	--	--	--	--	--	--	--			
1315			103	10 C													--			
01/15/71	5050		11.9	48 F	7.2	76	--	--	--	--	--	--	--	--	--	--	--			
1430			102	9 C													--			
02/26/71	5050		12.1	48 F	7.3	70	--	--	--	--	--	--	--	--	--	--	--			
1330			104	9 C													--			
03/30/71	5050		10.6	55 F	7.3	76	--	--	--	--	--	--	--	--	--	--	--			
1130			100	13 C													--			
04/15/71	5050		11.4	56 F	7.3	64	--	--	--	--	--	--	--	--	--	--	--			
1130			109	13 C													--			
05/06/71	5050	9.01	10.8	66 F	7.4	68	6.1	2.1	2.6	--	.0	31	--	2.0	--	--	--		24	1E
1330	5050	3780	115	19 C	7.4	64	.30	.17	.11		.00	.51		.06			--		2	0.2
							47	27	17			80		9						
06/08/71	5050		10.8	61 F	7.2	59	--	--	--	--	--	--	--	--	--	--	--			
1230			109	16 C													--			
07/15/71	5050		9.9	64 F	7.2	51	--	--	--	--	--	--	--	--	--	--	--			
1400			104	18 C													--			
08/05/71	5050		8.9	66 F	7.1	53	--	--	--	--	--	--	--	--	--	--	--			
			95	19 C													--			
09/03/71	5050		9.6	66 F	7.2	46	--	--	--	--	--	--	--	--	--	--	--			
1400			103	19 C													--			
	A1	1020.00			PIT RIVER NEAR MONTGOMERY CREEK															
11/17/70	5050		11.3	46.4F	7.2		--	--	8.7	--	.0	68	--	3.1	--	.10	--		53	7E
0930	5050	5250	95	8.0C	8.0	140			.38		.00	1.11		.09			--			
									27			79		6						
01/13/71	5050		12.9	39 F	7.1		--	--	6.8	--	.0	73	--	4.3	--	.10	--		54	10E
1200	5050	5740	98	4 C	7.8	133			.30		.00	1.20		.12			--			
									23			90		9						
03/16/71	5050		11.7	44 F	7.4		--	--	7.2	--	.0	71	--	2.3	--	.10	--		50	13E
0850	5050	7960	95	7 C	8.1	126			.31		.00	1.16		.06			--			
									25			92		5						
05/11/71	5050		12.6	54 F	7.3		9.5	4.2	7.2	1.4	.0	65	1.2	1.0	.1	.00	--	90	41	4E
0905	5050	10300	117	12 C	7.8	116	.47	.35	.31	.04	.00	1.07	.02	.03	.00		--	57	13	0.5
							40	30	26	3		96	2	3						
07/07/71	5050		10.0	63.5F	7.5		--	--	8.9	--	.0	76	--	2.4	--	.00	--		53	7E
0955	5050	5120	104	17.5C	7.7	144			.39		.00	1.25		.07			--			
									27			87		5						

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. 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
	A1	1020.00			PIT RIVER NEAR MONTGOMERY CREEK									CONTINUED						
09/22/71	5050		10.0	59 F	7.4		9.1	6.2	9.3	1.8	.0	80	.0	3.9	.1	.10	--	104	48	1E
0910	5050	7240	99	15 C	7.8	141	.45	.51	.40	.05	.00	1.31	.00	.11	.00		--	70	18	0.6
							32	36	28	4		92		8						
	A1	1680.00			PIT RIVER NEAR CANBY															
10/07/70	5050	2.63	9.8	47 F	8.1		21	6.2	26	6.2	.0	154	8.1	7.1	.1	.20	--	182	78	120E
0815	5050	76	83	8 C	8.1	280	1.05	.51	1.13	.16	.00	2.52	.17	.20	.00		--	151	48	1.3
							37	18	40	6		87	6	7						
11/17/70	5050	2.94	10.8	41.0F	7.5		--	--	26	--	.0	145	--	7.9	--	.10	--		96	30E
1145	5050	169	84	5.0C	7.8	274			1.13		.00	2.38		.22			--			
									41			87		8						
12/15/70	5050	3.06	12.5	33.8F	7.5		--	--	26	--	.0	140	--	9.0	--	.10	--		90	45E
1200	5050	225	87	1.0C	7.6	289			1.13		.00	2.29		.25			--			
									39			79		9						
01/13/71	5050	3.04	11.2	32 F	7.1		--	--	25	--	.0	132	--	8.2	--	.20	--		81	30E
1515	5050	217	76	0 C	7.7	263			1.09		.00	2.16		.23			--			
									41			82		9						
02/17/71	5050	3.32	11.6	40.6F	7.7		--	--	16	--	.0	98	--	6.1	--	.10	--		69	40E
1635	5050	329	90	4.8C	8.0	195			.70		.00	1.61		.17			--			
									36			83		9						
03/16/71	5050	4.46	10.5	38 F	7.4		--	--	27	--	.0	107	--	9.3	--	.20	--		67	160E
1120	5050	959	78	3 C	7.7	241			1.17		.00	1.75		.26			--			
									49			73		11						
04/13/71	5050	4.41	9.5	49 F	7.5		--	--	8.7	--	.0	76	--	2.8	--	.10	--		58	65E
1600	5050	926	83	9 C	7.6	142			.38		.00	1.25		.08			--			
									27			88		6						
05/11/71	5050		9.6	59 F	7.5		--	--	10	--	.0	81	--	1.7	--	.10	--		53	25E
1155	5050	1680	95	15 C	7.7	154			.44		.00	1.33		.05			--			
									29			86		3						
06/03/71	5050	8.17	8.3	59.9F	7.2		11	4.5	13	2.7	.0	73	6.6	2.2	1.4	.20	--	119	46	80E
1615	5050	3660	83	15.5C	7.3	148	.55	.37	.57	.07	.00	1.20	.14	.06	.02		--	77	14	0.8
							35	24	37	4		85	10	4	1					
07/07/71	5050	3.69	8.3	68 F	7.5		--	--	14	--	.0	89	--	3.8	--	.10	--		62	40E
1220	5050	490	91	20 C	7.5	182			.61		.00	1.46		.11			--			
									34			80		6						
08/05/71	5050	2.89	8.2	75 F	8.4		--	--	13	--	.0	104	--	3.7	--	.10	--		65	55E
1500	5050	150	97	24 C	7.8	187			.57		.00	1.70		.10			--			
									30			91		5						
09/22/71	5050	2.73	9.8	57 F	7.9		--	--	21	--	.0	135	--	4.8	--	.20	--		88	55E
1110	5050	105	95	14 C	7.9	240			.91		.00	2.21		.14			--			
									38			92		6						
	A1	4400.00			PIT RIVER SOUTH FORK NEAR LIKELY															
10/07/70	5050	2.14	11.5	45 F	8.0		11	4.5	7.4	3.3	.0	69	1.6	1.9	.1	.00	--	100	46	55E
0930	5050	38	95	7 C	8.1	126	.55	.37	.32	.08	.00	1.13	.03	.05	.00		--	64	11	0.5
							42	28	24	6		93	2	4						
06/04/71	5050	5.43	10.7	50.9F	7.4		8.4	4.1	5.0	2.2	.0	56	.0	.0	.3	.10	--	86	38	25E
0840	5050	1020	96	10.5C	7.5	98	.42	.34	.22	.06	.00	.92	.00	.00	.00		--	48	8	0.4
							40	33	21	6		100								
	A2	1010.00			SACRAMENTO RIVER AT KESWICK															
10/13/70	5050		8.9	54 F	7.1		--	--	5.0	--	.0	53	5.1	3.3	--	.10	--		48	3E
1325	5050	7100	83	12 C	8.0	103			.22		.00	.87	.11	.09			--			
									21			84	11	9						
11/18/70	5050		7.8	53 F	7.1		--	--	6.7	--	.0	56	3.1	2.0	--	.00	--		48	7E
1115	5050	14000	72	12 C	7.8	120			.29		.00	.92	.06	.06			--			
									24			77	5	5						
12/16/70	5050		11.0	49.0F	7.0		--	--	6.3	--	.0	55	7.2	2.4	--	.10	--		45	9E
1400	5050	20000	96	9.4C	7.4	115			.27		.00	.90	.15	.07			--			
									23			78	13	6						
01/18/71	5050		11.5	48.0F	7.1		8.9	4.4	5.2	1.5	.0	54	4.9	1.9	.5	.00	--	78	40	40E
1420	5050	25000	99	8.9C		111	.44	.36	.23	.04	.00	.89	.10	.05	.01		--	54	5	0.4
							41	34	21	4		85	10	5	1					
02/22/71	5050		13.1	45 F	7.1		--	--	5.2	--	.0	56	4.1	2.2	--	.00	--		43	10E
1135	5050	7000	108	7 C	7.6	105			.23		.00	.92	.09	.06			--			
									22			88	9	6						
03/23/71	5050		12.1	47 F	7.1		--	--	4.1	--	.0	53	6.6	2.5	--	.10	--		43	6E
1340	5050	5000	103	8 C	7.4	103			.18		.00	.87	.14	.07			--			
									17			84	14	7						
04/19/71	5050		11.2	47 F	7.1		--	--	4.3	--	.0	58	5.3	2.3	--	.10	--		44	7E
1400	5050	13500	95	8 C	7.3	112			.19		.00	.95	.11	.06			--			
									17			85	10	5						
05/24/71	5050		12.2	48.2F	7.2		--	--	5.2	--	.0	53	4.1	1.2	--	.00	--		42	4E
1300	5050	14100	105	9.0C	7.8	109			.23		.00	.87	.09	.03			--			
									21			80	8	3						
06/09/71	5050		12.1	48 F	7.1		--	--	5.8	--	.0	56	12	1.7	--	.00	--		42	6E
1040	5050	13000	104	9 C	7.3	109			.25		.00	.92	.25	.05			--			
									23			84	23	5						
07/14/71	5050		11.4	49.1F	7.1		--	--	4.4	--	.0	57	4.0	2.4	--	.00	--		38	5E
1105	5050	12500	100	9.5C	7.4	102			.19		.00	.93	.08	.07			--			
									19			91	8	7						
08/10/71	5050		10.5	50.9F	7.1		--	--	5.3	--	.0	60	1.6	2.1	--	.00	--		40	7E
0900	5050	13000	94	10.5C	7.3	108			.23		.00	.98	.03	.06			--			
									21			91	3	6						

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			
A2	1010.00				SACRAMENTO RIVER AT KESWICK									CONTINUED						
09/27/71	5050		10.0	54 F	7.1		9.1	4.5	5.4	1.0	.0	58	.0	1.0	.4	.00	--	90	41	4E
1115	5050	10500	92	12 C	7.2	111	.45	.37	.23	.03	.00	.95	.00	.03	.01		--	50	7	0.4
							42	34	21	3		96		3	1					
A2	1300.00				SACRAMENTO RIVER AT DELTA															
10/06/70	5050	3.54	9.8	54 F	7.8		9.0	7.4	11	1.2	.0	75	2.1	8.0	.0	.20	--	109	53	7E
0750	5050	175	91	12 C	8.0	154	.45	.61	.48	.03	.00	1.23	.04	.23	.00		--	76	9	0.7
							29	39	31	2		82	3	15						
11/16/70	5050	4.76	11.5	44.6F	7.3		--	--	5.6	--	.0	62	--	5.2	--	.10	--		50	4E
0930	5050	640	94	7.0C	7.8	122			.24		.00	1.02		.15			--			
									20			84		12						
01/12/71	5050	5.36	12.8	40.0F	7.1		--	--	3.6	--	.0	53	--	4.1	--	.10	--		44	2E
0945	5050	1020	98	4.4C	8.0	101			.16		.00	.87		.12			--			
									16			86		12						
03/15/71	5050	6.47	12.6	43 F	7.3		5.6	5.8	3.0	.6	.0	47	1.2	2.8	.0	.00	--	53	38	14E
0950	5050	1990	101	6 C	7.5	88	.28	.48	.13	.02	.00	.77	.02	.08	.00		--	42	1	0.2
							31	53	14	2		89	2	9						
05/10/71	5050		12.5	50 F	7.1		--	--	2.2	--	.0	44	--	.8	--	.00	--		37	6E
1010	5050	2380	110	10 C	7.7	76			.10		.00	.72		.02			--			
									13			95		3						
07/06/71	5050	4.28	10.5	63.5F	7.9		--	--	5.7	--	.0	61	--	3.8	--	.10	--		50	3E
0945	5050	412	109	17.5C	8.1	120			.25		.00	1.00		.11			--			
									21			83		9						
09/21/71	5050	3.63	11.1	55 F	8.1		--	--	9.6	--	.0	74	--	7.6	--	.20	--		54	3E
0930	5050	202	105	13 C	7.8	145			.42		.00	1.21		.21			--			
									29			83		14						
A2	2150.00				MCCLOUD RIVER ABOVE SHASTA LAKE															
11/16/70	5050		11.3	46.4F	7.1		--	--	3.8	--	.0	62	--	2.3	--	.00	--		51	4E
0800	5050	439	95	8.0C	7.9	114			.17		.00	1.02		.06			--			
									15			89		5						
01/12/71	5050		11.1	41.0F	7.4		--	--	2.4	--	.0	55	--	2.1	--	.10	--		45	1E
0900	5050	465	87	5.0C	7.9	102			.10		.00	.90		.06			--			
									10			88		6						
03/15/71	5050		12.6	43 F	7.3		11	2.8	2.4	.5	.0	48	2.1	.0	.0	.00	--	53	39	4E
0840	5050	1450	101	6 C	7.4	89	.55	.23	.10	.01	.00	.79	.04	.00	.00		--	.42	1	0.2
							62	26	11	1		95	5							
05/10/71	5050		10.8	50 F	7.3		--	--	3.2	--	.0	56	--	1.1	--	.00	--		39	1E
0820	5050	647	95	10 C	7.8	96			.14		.00	.92		.03			--			
									15			96		3						
07/06/71	5050		10.1	59 F	7.7		13	2.8	3.6	.9	.0	60	2.6	.9	.0	.00	--	74	44	1E
0810	5050	359	100	15 C	7.9	104	.65	.23	.16	.02	.00	.98	.05	.03	.00		--	53	5	0.2
							61	22	15	2		92	5	3						
09/21/71	5050		10.6	52.7F	8.0		--	--	5.1	--	.0	61	--	1.4	--	.00	--		44	2E
0805	5050	296	97	11.5C	7.6	109			.22		.00	1.00		.04			--			
									20			92		4						
A3	1110.00				STONY CREEK BELOW BLACK BUTTE DAM															
11/10/70	5050	2.40	12.6	56.3F	8.4		43	23	17	1.7	.0	237	22	14	.0	.20	--	202	203	40E
1240	5050	32	120	13.5C	8.3	429	2.15	1.89	.74	.04	.00	3.88	.46	.39	.00		--	237	8	0.5
							45	39	15	1		82	10	8						
01/12/71	5050	2.39	13.1	41.9F	8.1		--	--	15	--	.0	127	--	21	1.5	.20	--		124	80E
1440	5050	35	104	5.5C	8.0	303			.65		.00	2.08		.59	.02		--			
									21			69		19	1					
03/10/71	5050	3.00	13.8	50 F	8.3		31	7.9	11	.9	3.0	109	18	12	.2	.20	--	153	110	7E
1300	5050	98	122	10 C	8.5	251	1.55	.65	.48	.02	.10	1.79	.37	.34	.00		--	138	16	0.5
							57	24	18	1	4	69	14	13						
05/18/71	5050		11.8	61.7F	8.1		--	--	10	--	.0	131	--	11	.5	.10	--		114	30E
1030	5050	166	120	16.5C	8.3	260			.44		.00	2.15		.31	.01		--			
									17			83		12						
07/09/71	5050	4.03	10.7	73 F	7.9		--	--	9.6	--	.0	135	--	11	.0	.10	--		113	45E
1125	5050	338	124	23 C	7.3	276			.42		.00	2.21		.31	.00		--			
									15			80		11						
09/24/71	5050	3.77	10.4	68.9F	8.1		--	--	14	--	.0	169	--	13	.4	.20	--		144	85E
1100	5050	242	115	20.5C	7.8	338			.61		.00	2.77		.37	.01		--			
									18			82		11						
A3	1250.00				STONY CREEK NEAR FRUTO															
10/07/70	5050		10.8	53.6F	8.4		--	--	19	--	.0	247	--	19	.3	.40	--		211	115E
0930	5050	30	100	12.0C	7.9	454			.83		.00	4.05		.54	.00		--			
									18			89		12						
11/10/70	5050		11.0	53.6F	8.0		--	--	21	--	.0	110	--	47	.6	.10	--		176	115E
1200	5050	142	102	12.0C	7.8	447			.91		.00	1.80		1.33	.01		--			
									20			40		30						
12/10/70	5050		12.5	45.5F	7.8		25	7.4	10	1.2	.0	94	16	13	.7	.20	--	117	93	240E
1245	5050	1500	104	7.5C	8.1	233	1.25	.61	.44	.03	.00	1.54	.33	.37	.01		--	120	16	0.5
							54	26	19	1		68	15	16						
01/12/71	5050		13.3	39.2F	7.6		--	--	6.3	--	.0	88	--	8.5	.0	.10	--		86	180E
1400	5050	495	101	4.0C	8.0	204			.27		.00	1.44		.24	.00		--			
									13			71		12						
02/08/71	5050		12.6	45 F	7.9		--	--	8.6	--	.0	102	--	10	.6	.10	--		97	55E
1115	5050	763	104	7 C	8.1	228			.37		.00	1.67		.28	.01		--			
									16			73		12						

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				
	A3	1250.00			STONY CREEK NEAR FRUTO									CONTINUED						
03/10/71	5050		11.7	48 F	8.0		--	--	12	--	.0	121	--	14	.0	.10	--		125	10E
1200	5050	196	101	9 C	8.1	288			.52		.00	1.98		.39	.00		--			
									18			69		14						
04/12/71	5050		10.0	60 F	8.0		--	--	7.5	--	.0	106	--	6.8	.0	.10	--		97	70E
1440	5050	674	100	16 C	8.2	226			.33		.00	1.74		.19	.00		--			
									15			77		8						
05/18/71	5050		11.6	56.3F	7.9		26	7.7	8.9	.4	.0	105	17	7.5	.0	.10	--	132	96	4E
0940	5050	300	111	13.5C	8.3	228	1.30	.63	.39	.01	.00	1.72	.35	.21	.00		--	119	11	0.4
							56	27	17			75	15	9						
06/08/71	5050		10.9	63 F	8.0		--	--	9.8	--	.0	118	--	8.6	.5	.10	--		113	20E
0930	5050	265	112	17 C	8.3	246			.43		.00	1.93		.24	.01		--			
									17			78		10						
07/09/71	5050		10.6	70 F	8.1		--	--	10	--	.0	138	--	12	.0	.20	--		108	30E
1030	5050	104	118	21 C	7.9	276			.44		.00	2.26		.34	.00		--			
									16			82		12						
08/09/71	5050		9.2	70 F	8.0		--	--	12	--	.0	152	--	14	.2	.20	--		127	80E
0845	5050	425	102	21 C	8.0	289			.52		.00	2.49		.39	.00		--			
									18			86		13						
09/24/71	5050		9.8	66 F	8.2		--	--	15	--	.0	180	--	14	.1	.20	--		146	60E
1005	5050	201	105	19 C	7.9	353			.65		.00	2.95		.39	.00		--			
									18			84		11						
	A3	1302.00			GRINDSTONE CREEK NEAR ELK CREEK															
11/10/70	5050	9.82	10.9	51.8F	7.5		--	--	8.6	--	.0	92	--	10	.6	.00	--		134	115E
1130	5050	184	99	11.0C	7.7	305			.37		.00	1.51		.28	.01		--			
									12			50		9						
01/12/71	5050		13.4	39.2F	7.6		--	--	4.6	--	.0	77	--	5.2	.1	.10	--		80	210E
1335	5050	310	102	4.0C	8.0	176			.20		.00	1.26		.15	.00		--			
									11			72		9						
03/10/71	5050	9.60	11.6	46 F	7.7		--	--	8.1	--	.0	101	--	6.5	.0	.10	--		109	4E
1150	5050	93	97	8 C	8.0	247			.35		.00	1.66		.18	.00		--			
									14			67		7						
05/18/71	5050		11.9	54 F	7.6		25	1.1	5.3	.4	.0	75	20	2.3	.0	.00	--	100	67	2E
0925	5050	121	110	12 C	7.9	177	1.25	.09	.23	.01	.00	1.23	.42	.06	.00		--	91	6	0.3
							79	6	15	1		72	25	4						
07/09/71	5050	9.65	9.1	76.1F	8.1		--	--	9.1	--	.0	128	--	8.4	.0	.10	--		127	1E
1000	5050	24	108	24.5C	7.7	306			.40		.00	2.10		.24	.00		--			
									13			69		8						
09/24/71	5050	9.40	9.7	70 F	8.0		60	8.9	17	1.4	.0	155	67	18	.2	.10	--	274	186	1E
0945	5050	22	108	21 C	7.3	440	2.99	.73	.74	.04	.00	2.54	1.39	.51	.00		--	249	59	0.5
							66	16	16	1		57	31	11						
	A3	2120.00			THOMES CREEK AT PASKENTA															
10/07/70	5050	2.86	10.8	57.2F	8.4		--	--	16	--	.0	135	--	33	.0	.20	--		208	2E
1030	5050	2.8	104	14.0C	8.0	474			.70		.00	2.21		.93	.00		--			
									15			47		20						
11/10/70	5050	4.63	10.6	48.2F	7.5		25	4.7	4.8	1.2	.0	68	23	5.5	.4	.10	--	108	87	500E
1030	5050	305	91	9.0C	7.6	182	1.25	.39	.21	.03	.00	1.11	.48	.16	.01		--	98	27	0.2
							66	21	11	2		63	27	9	1					
12/10/70	5050	5.46	13.0	41.9F	7.4		--	--	3.5	--	.0	72	--	1.5	.2	.00	--		68	240E
1125	5050	693	103	5.5C	7.9	148			.15		.00	1.18		.04	.00		--			
									10			80		3						
01/12/71	5050	5.63	13.3	38.3F	7.7		--	--	2.5	--	.0	75	--	2.5	.1	.10	--		70	140E
1240	5050	731	100	3.5C	7.9	152			.11		.00	1.23		.07	.00		--			
									7			81		5						
02/08/71	5050	5.21	12.8	41 F	8.1		--	--	3.6	--	.0	79	--	2.8	2.2	.10	--		72	45E
1015	5050	540	100	5 C	8.0	162			.16		.00	1.29		.08	.04		--			
									10			80		5	2					
03/10/71	5050	4.33	12.1	44 F	7.8		--	--	4.7	--	.0	99	--	3.0	.0	.10	--		96	3E
1045	5050	180	99	7 C	7.9	202			.20		.00	1.62		.08	.00		--			
									10			80		4						
04/12/71	5050	5.31	10.5	55.0F	8.1		--	--	2.6	--	.0	80	--	1.8	--	.00	--		75	35E
1400	5050	554	99	12.8C	7.7	162			.11		.00	1.31		.05			--			
									7			81		3						
05/18/71	5050		12.1	50.9F	7.4		--	--	3.4	--	.0	76	--	3.0	.0	.00	--		60	4E
0835	5050	360	108	10.5C	8.0	192			.15		.00	1.25		.08	.00		--			
									8			65		4						
06/08/71	5050	4.18	10.3	59.9F	7.6		19	4.4	2.9	.8	.0	70	12	1.4	.6	.00	--	91	66	14E
0830	5050	244	103	15.5C	7.8	145	.95	.36	.13	.02	.00	1.15	.25	.04	.01		--	76	8	0.2
							65	25	9	1		79	17	3	1					
07/09/71	5050	3.24	9.4	70 F	8.0		--	--	5.8	--	.0	118	--	6.3	.0	.10	--		115	1E
0840	5050	51	105	21 C	7.9	254			.25		.00	1.93		.18	.00		--			
									10			76		7						
08/09/71	5050	2.78	8.5	75 F	7.9		--	--	8.5	--	.0	113	--	14	.2	.20	--		129	2E
0755	5050	14	100	24 C	7.9	308			.37		.00	1.85		.39	.00		--			
									12			60		13						
09/24/71	5050	2.54	10.5	63.5F	8.2		--	--	13	--	.0	116	--	22	.1	.10	--		157	0E
0845	5050	4.5	109	17.5C	7.5	388			.57		.00	1.90		.62	.00		--			
									15			49		16						

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. 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
	A3	3110.00			ELDER CREEK NEAR PASKENTA															
04/12/71	5050	2.10	9.6	60 F	8.3		20	16	6.2	.7	.0	133	6.7	7.1	.0	.00	--	136	115	5E
1330	5050	125	96	16 C	8.2	245	1.00	1.32	.27	.02	.00	2.18	.14	.20	.00		--	122	7	0.3
							38	51	10	1		87	6	8						
09/24/71	5050	1.06	10.0	57 F	8.0		40	32	92	1.2	.0	187	3.8	194	.0	.20	--	530	234	1E
0800	5050	2.5	97	14 C	8.1	923	2.00	2.63	4.00	.03	.00	3.06	.08	5.47	.00		--	455	79	2.6
							23	30	46			36	1	64						
	A3	6130.00			CLEAR CREEK NEAR IGO															
04/19/71	5050	2.62	11.5	54 F	7.5		6.2	3.8	3.2	.6	.0	43	.8	2.4	.0	.00	--	60	31	4E
1315	5050	81	107	12 C	7.5	83	.31	.31	.14	.02	.00	.70	.02	.07	.00		--	38	4	0.3
							40	40	18	3		89	3	9						
09/27/71	5050	2.46	11.6	54 F	7.4		4.3	6.7	2.4	.6	.0	49	.0	1.8	.0	.10	--	58	38	1E
1015	5050	45	107	12 C	7.4	89	.21	.55	.10	.02	.00	.80	.00	.05	.00		--	40	2	0.2
							24	63	11	2		94		6						
	A4	1110.00			BUTTE CREEK NEAR CHICO															
11/18/70	5050	1.47	12.7	44.6F	7.3		10	5.6	3.6	1.0	.0	61	2.6	1.6	.0	.00	--	82	48	1E
1010	5050	194	104	7.0C	7.9	104	.50	.46	.16	.03	.00	1.00	.05	.05	.00		--	54	2	0.2
							43	40	14	3		91	5	5						
01/14/71	5050	2.81	14.2	40.1F	7.1		--	--	1.8	--	.0	47	--	2.0	--	.10	--		42	2E
1210	5050	464	109	4.5C	7.8	84			.08		.00	.77		.06			--			
									10			92		7						
03/17/71	5050	4.40	12.3	45 F	7.1		--	--	2.4	--	.0	39	--	1.4	--	.10	--		30	4E
1125	5050	690	102	7 C	7.5	67			.10		.00	.64		.04			--			
									15			96		6						
05/18/71	5050		12.5	52.7F	7.3		6.1	2.4	2.2	.6	.0	34	.2	.0	.0	.00	--	46	25	1E
1305	5050	578	114	11.5C	7.6	60	.30	.20	.10	.02	.00	.56	.00	.00	.00		--	28	3	0.2
							48	32	16	3		100								
07/08/71	5050	1.68	10.3	67.1F	7.5		--	--	2.8	--	.0	48	--	.0	--	.00	--		39	2E
1255	5050	249	111	19.5C	7.6	97			.12		.00	.79		.00			--			
									12			81								
09/23/71	5050	1.38	11.3	58.1F	7.8		--	--	3.9	--	.0	65	--	.0	--	.00	--		51	1E
1130	5050	135	110	14.5C	7.7	110			.17		.00	1.07		.00			--			
									15			97								
	A4	2110.00			BIG CHICO CREEK NEAR CHICO															
11/18/70	5050	2.29	11.8	48.2F	7.7		14	8.8	11	.8	.0	92	4.8	8.5	.0	.20	--	113	71	1E
0930	5050	41	102	9.0C	8.2	178	.70	.72	.48	.02	.00	1.51	.10	.24	.00		--	93	5	0.6
							36	38	25	1		82	5	13						
01/14/71	5050	3.45	13.6	43.7F	7.3		--	--	3.6	--	.0	44	--	4.3	--	.10	--		45	1E
1250	5050	257	110	6.5C	7.9	85			.16		.00	.72		.12			--			
									19			85		14						
03/17/71	5050	3.50	12.6	46 F	7.1		6.6	4.2	3.4	.6	.0	49	.0	3.0	.0	.10	--	60	34	4E
1205	5050	278	106	8 C	7.1	84	.33	.35	.15	.02	.00	.80	.00	.08	.00		--	42	6	0.3
							39	41	18	2		91		9						
05/18/71	5050		11.7	57 F	7.8		--	--	7.5	--	.0	82	--	5.9	--	.10	--		59	0E
1230	5050	62	113	14 C	8.0	148			.33		.00	1.34		.17			--			
									22			91		11						
07/08/71	5050	2.10	9.6	72 F	8.2		--	--	12	--	.0	94	--	7.6	--	.20	--		72	2E
1335	5050	32	109	22 C	8.3	187			.52		.00	1.54		.21			--			
									28			82		11						
09/23/71	5050	1.97	10.2	64 F	8.1		--	--	14	--	.0	107	--	9.6	--	.20	--		83	1E
1210	5050	24	107	18 C	8.1	208			.61		.00	1.75		.27			--			
									29			84		13						
	A4	5110.50			ANTELOPE CREEK NEAR RED BLUFF															
10/08/70	5050		10.7	55.4F	7.3		11	7.2	9.9	1.3	.0	80	.0	7.2	.0	.10	--	115	57	3E
0950	5050	43	101	13.0C	7.5	153	.55	.59	.43	.03	.00	1.31	.00	.20	.00		--	76	9	0.6
							34	37	27	2		87		13						
02/08/71	5050		12.7	46 F	7.6		9.0	4.7	5.8	.8	.0	60	1.6	4.9	.0	.00	--	74	42	2E
1330	5050	121	107	8 C	7.9	108	.45	.39	.25	.02	.00	.98	.03	.14	.00		--	56	7	0.4
							41	35	23	2		85	3	12						
	A4	7110.00			BATTLE CREEK NEAR COTTONWOOD															
10/07/70	5050	2.00	11.6	53.6F	8.3		9.8	8.1	8.2	2.2	.0	83	1.5	2.4	.0	.00	--	116	58	7E
1330	5050	305	107	12.0C	8.3	146	.49	.67	.36	.06	.00	1.36	.03	.07	.00		--	73	10	0.5
							31	42	23	4		93	2	5						
02/08/71	5050	2.47	12.3	48 F	7.8		11	4.7	6.0	1.5	.0	71	1.6	2.1	.0	.00	--	86	47	3E
1445	5050	546	106	9 C	8.1	120	.55	.39	.26	.04	.00	1.16	.03	.06	.00		--	62	11	0.4
							44	31	21	3		93	2	5						
	A4	8110.00			COW CREEK NEAR MILLVILLE															
05/24/71	5050	3.81	10.5	68 F	7.2		8.9	3.1	4.1	.7	.0	51	1.6	1.4	.2	.00	--	72	35	1E
1335	5050	476	115	20 C	7.7	100	.44	.25	.18	.02	.00	.84	.03	.04	.00		--	45	8	0.3
							49	28	20	2		92	3	4						
09/27/71	5050	2.78	12.3	63.5F	7.4		13	6.7	8.7	1.2	.0	86	.0	7.7	.1	.10	--	116	60	1E
1240	5050	91	128	17.5C	7.8	164	.65	.55	.38	.03	.00	1.41	.00	.22	.00		--	80	11	0.5
							40	34	24	2		87		13						

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				
A5 R 953.0 028.6 LAKE DAVIS NEAR DAM (STATION 1)																				
04/28/71	5050	4.16		40.3F	7.2	78	--	--	--	--	--	--	--	--	--	--	--			
1700				4.6C													--			
		75																		
04/28/71	5050	4.16		42.0F		79	--	--	--	--	--	--	--	--	--	--	--			
1710				5.6C													--			
		38																		
04/28/71	5050			46.0F	7.3	78	--	--	--	--	.0	47	--	.9	--	--	--		32	
1715	5050			7.8C	7.8	78					.00	.77		.03			--			
		1										99		4						
A5 R 954.9 030.3 LAKE DAVIS MID-LAKE (STATION 2)																				
04/28/71	5050			42.3F	7.3	79	--	--	--	--	--	--	--	--	--	--	--			
1515				5.7C													--			
		1																		
04/28/71	5050			42.0F	7.3	79	--	--	--	--	--	--	--	--	--	--	--			
1540				5.6C													--			
		19																		
04/28/71	5050			40.4F	7.1	79	--	--	--	--	--	--	--	--	--	--	--			
1555				4.7C													--			
		35																		
A5 R 954.9 032.1 LAKE DAVIS IN COW CREEK CHANNEL																				
04/28/71	5050		8.3	56.1F	7.1	44	--	--	--	--	.0	32	--	.3	--	--	--		20	
1440	5050		79	13.4C	7.7	51					.00	.52		.01			--			
		1										102		2						
A5 R 955.3 033.0 LAKE DAVIS IN FREEMAN CREEK CHANNEL																				
04/28/71	5050		9.9	45.4F	7.1	50	--	--	--	--	.0	31	--	.1	--	--	--		20	
1100	5050		82	7.4C	7.7	51					.00	.51		.00			--			
		1										100								
A5 R 955.7 033.7 LAKE DAVIS IN BIG GRIZZLY CREEK CHANNEL																				
04/28/71	5050			36.6F	7.0	46	--	--	--	--	.0	28	--	.3	--	--	--		18	
0845	5050			2.6C	7.6	48					.00	.46		.01			--			
		1										96		2						
A5 R 955.9 031.3 LAKE DAVIS NEAR NORTH END (STATION 3)																				
04/28/71	5050		10.2	42.1F	7.3	77	--	--	--	--	.0	46	--	.1	--	--	--		33	
1245	5050		81	5.6C	7.9	78					.00	.75		.00			--			
		8										96								
A5 2250.00 FEATHER RIVER, WEST BRANCH, NEAR PARADISE																				
05/18/71	5050	6.22	9.0	53 F	7.2	35	--	--	--	--	--	--	--	--	--	--	--			
1525		608	83	12 C													--			
A5 3140.10 FEATHER RIVER, NORTH FORK, ABOVE FLEA VALLEY CREEK																				
05/18/71	5050	4.04	9.6	59 F	7.2	68	--	--	--	--	--	--	--	--	--	--	--			
1355		115	95	15 C													--			
A5 4200.00 SPANISH CREEK ABOVE BLACKHAWK CREEK																				
05/18/71	5050	3.66	9.3	56 F	7.4	45	--	--	--	--	--	--	--	--	--	--	--			
1200		608	89	13 C													--			
A5 4320.00 INDIAN CREEK NEAR CRESENT MILLS																				
05/18/71	5050	6.51	9.2	58 F	7.2	73	--	--	--	--	--	--	--	--	--	--	--			
1235		1980	90	14 C													--			
A5 5100.00 FEATHER RIVER, MIDDLE FORK, NEAR MERRIMAC																				
05/20/71	5050		9.1	61.5F	7.6	74	--	--	--	--	--	--	--	--	--	--	--			
1000		4580	92	16.4C													--			
A5 5420.00 FEATHER RIVER, MIDDLE FORK, NEAR PORTOLA																				
05/18/71	5050	5.05	7.0	60.0F	7.4	124	--	--	--	--	--	--	--	--	--	--	--			
1005		1090	70	15.5C													--			
A5 5486.41 LAKE DAVIS TRIBUTARY, NORTH OF COW CREEK																				
04/28/71	5050			56.0F	6.7	20	--	--	--	--	--	--	--	--	--	--	--			
1400	5050	1.0		13.3C		21											--			
A5 5486.53 FREEMAN CREEK TRIBUTARY OF TRIBUTARY, AT LAKE DAVIS																				
04/28/71	5050			40.0F	6.6	19	--	--	--	--	--	--	--	--	--	--	--			
1135	5050	.5		4.4C		18											--			
A5 6080.00 FEATHER RIVER, SOUTH FORK, BELOW PONDEROSA DAM																				
05/20/71	5050	5.05	9.6	65 F	7.1	30	--	--	--	--	--	--	--	--	--	--	--			
1205		612	102	18 C													--			

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	OO 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
	A6	1430.00			YUBA RIVER AT ENGLEBRIGHT DAM															
05/20/71	5050	5.76	9.8	66 F	7.2	65	--	--	--	--	--	--	--	--	--	--	--			
1430		1970	105	19 C													--			
	A6	4350.00			SOUTH YUBA RIVER NEAR WASHINGTON															
05/15/71	5050	2.27	10.7	56.5F	7.0	35	--	--	--	--	--	--	--	--	--	--	--			
1420		247	103	13.6C													--			
	A6	4700.00			SOUTH YUBA RIVER NEAR CISCO															
05/18/71	5050	4.97	10.4	43.0F	7.6	42	--	--	--	--	--	--	--	--	--	--	--			
0730		692	84	6.1C													--			
	A7	2190.01			AMERICAN RIVER N F ABOVE MIDDLE FORK AT AUBURN															
05/20/71	5050	2.25	9.9	62 F	7.2	41	--	--	--	--	--	--	--	--	--	--	--			
1545		1880	101	17 C													--			
	A7	3100.00			AMERICAN RIVER MIDDLE FORK NEAR AUBURN															
05/20/71	5050	7.01	9.2	69 F	7.3	41	--	--	--	--	--	--	--	--	--	--	--			
1605		917	102	21 C													--			
	A8	L 857.0	239.6	1	CLEARLAKE NEAR CLEARLAKE HIGHLANDS															
11/12/70	5050		9.1	58.0F	7.3		--	--	8.9	--	.0	142	--	5.5	3.4	.90	--		109	10E
1130	5050		89	14.4C	7.6	257			.39		.00	2.33		.16	.05		--			
									15			91		6	2					
12/10/70	5050		8.4	50.0F	7.1		--	--	9.0	--	.0	139	--	6.6	2.7	.90	--		113	15
1110	5050		74	10.0C	7.9	247			.39		.00	2.28		.19	.04		--			
									16			92		8	2					
02/04/71	5050		9.8	47 F	7.1		--	--	8.6	--	.0	138	--	4.8	3.7	.80	--		111	25E
1045	5050		83	8 C	7.5	244			.37		.00	2.26		.14	.06		--			
									15			93		6	2					
03/04/71	5050		11.0	47 F	7.3		--	--	7.3	--	.0	138	--	5.8	3.1	.80	--		123	40E
1025	5050		93	8 C	7.8	247			.32		.00	2.26		.16	.05		--			
									13			91		6	2					
04/08/71	5050		9.5	54 F	7.2		26	10	8.7	1.6	.0	132	6.1	6.0	3.0	.80	--	154	108	
1035	5050		88	12 C	7.6	240	1.30	.82	.38	.04	.00	2.16	.13	.17	.05		--	127	2	0.4
							51	32	15	2		86	5	7	2					
	A8	L 902.7	254.7	1	CLEAR LAKE AT LAKEPORT															
10/22/70	5050		8.1	56.3F	8.1		--	--	9.0	--	.0	136	--	6.0	.2	.80	--		110	25E
0730	5050		77	13.5C	8.1	244			.39		.00	2.23		.17	.00		--			
									16			91		7						
11/12/70	5050		8.2	56.0F	7.4		20	14	9.6	1.9	.0	138	5.6	5.4	3.3	.70	--	148	106	40E
0925	5050		78	13.3C	8.2	243	1.00	1.15	.42	.05	.00	2.26	.12	.15	.05		--	128	6	0.4
							38	44	16	2		88	5	6	2					
12/10/70	5050		9.0	48.0F	7.4		--	--	7.5	--	.0	121	--	5.4	2.4	.70	--		107	60
0915	5050		77	8.9C	7.8	219			.33		.00	1.98		.15	.04		--			
									15			90		7	2					
01/07/71	5050		10.6	42.8F	7.0		--	--	7.0	--	.0	118	--	5.0	2.8	.60	--		102	55
1230	5050		85	6.0C	7.7	218			.30		.00	1.93		.14	.05		--			
									14			89		6	2					
02/04/71	5050		9.0	45 F	7.1		--	--	6.3	--	--	103	--	3.2	2.8	.40	--		85	100E
0840	5050		74	7 C	7.8	190			.27			1.69		.09	.05		--			
									14			89		5	3					
03/04/71	5050		10.7	47 F	7.5		--	--	5.8	--	.0	114	--	4.0	2.6	.50	--		96	80E
0845	5050		91	8 C	7.6	208			.25		.00	1.87		.11	.04		--			
									12			90		5	2					
04/08/71	5050		9.2	51 F	7.4		21	9.8	7.1	2.0	.0	113	6.1	3.8	2.7	.50	--	134	93	45E
0830	5050		82	11 C	7.7	206	1.05	.81	.31	.05	.00	1.85	.13	.11	.04		--	109	1	0.3
							47	36	14	2		87	6	5	2					
05/05/71	5050		9.0	57 F	7.5		--	--	8.5	--	.0	119	--	3.8	2.5	.40	--		93	30E
0730	5050		87	14 C	7.6	211			.37		.00	1.95		.11	.04		--			
									18			92		5	2					
06/24/71	5050		9.7	66 F	8.1		--	--	8.7	--	.0	128	--	5.5	.1	.50	--		103	20E
0755	5050		104	19 C	8.3	226			.38		.00	2.10		.16	.00		--			
									17			93		7						
07/22/71	5050		8.6	76.1F	8.3		--	--	9.1	--	.0	134	--	4.8	.0	.60	--		108	14E
0935	5050		102	24.5C	8.3	231			.40		.00	2.20		.14	.00		--			
									17			95		6						
08/19/71	5050		10.5	76.1F	8.4		--	--	9.6	--	.0	135	--	5.4	.7	.90	--		110	7E
0840	5050		125	24.5C	8.0	241			.42		.00	2.21		.15	.01		--			
									17			92		6						
09/16/71	5050		11.2	72 F	8.4		--	--	9.6	--	4.0	128	--	5.5	.1	.70	--		115	5E
0855	5050		127	22 C	8.6	245			.42		.13	2.10		.16	.00		--			
									17		5	86		7						

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				
	A8	1120.00			CACHE CREEK NEAR CAPAY															
11/13/70	5050	1.95	11.5	56 F	8.2	650	18	41	56	--	.0	264	--	75	--	2.50	--		216	
1230	5050	50	110	13 C	7.4	694	.90	3.42	2.44		.00	4.33		2.12			--		1	1.7
							13	49	35			62		31						
12/05/70	5050	7.04		53 F	8.1	260	--	--	--	--	--	--	--	--	--	--	--			
1530		3288		12 C													--			
12/08/70	5050	5.33	10.3	54 F	8.2	380	10	26	25	--	.0	165	--	28	--	1.10	--		133	140E
1040	5050	1400	96	12 C	8.0	390	.50	2.16	1.09		.00	2.70		.79			--		2	0.9
							13	55	28			69		20						
12/17/70	5050	5.09	11.3	48 F	8.1	390	--	--	--	--	--	--	--	--	--	--	--			
0930		1211	97	9 C													--			
12/30/70	5050	6.45	11.5	49 F	7.9	275	20	15	14	--	.0	138	--	13	--	.70	--		114	
1315	5050	2520	100	9 C	7.9	279	1.00	1.28	.61		.00	2.26		.37			--		1	0.6
							36	46	22			81		13						
09/08/71	5050	3.17	9.0	66 F	8.1	280	--	--	--	--	--	--	--	--	--	--	--			
0830		334	96	19 C													--			
01/14/71	5050	5.57	12.3	46 F	8.0	380	--	--	--	--	--	--	--	--	--	--	--			
1600		1607	103	8 C													--			
02/02/71	5050	4.69	11.2	51 F	8.0	390	27	26	21	--	.0	190	--	20	--	1.00	--		178	50E
1315	5050	946	100	11 C	8.3	381	1.35	2.21	.91		.00	3.11		.56			--		23	0.7
							35	58	24			82		15						
03/02/71	5050	2.90	12.8	46 F	8.2	725	42	41	53	--	6.0	293	--	60	--	1.70	--		274	3E
1015	5050	168	107	8 C	8.4	712	2.10	3.38	2.31		.20	4.80		1.69			--		24	1.4
							29	47	32		3	67		24						
04/05/71	5050	3.58	9.1	61 F	7.9	440	--	--	--	--	--	--	--	--	--	--	--			
1130		464	92	16 C													--			
04/15/71	5050	3.12	10.0	61 F	8.1	540	34	30	42	--	4.0	236	--	44	--	1.40	--		212	4E
0945	5050	310	101	16 C	8.4	544	1.70	2.54	1.83		.13	3.87		1.24			--		12	1.3
							31	47	34		2	71		23						
04/30/71	5050	3.62	9.9	62 F	8.2	360	--	--	--	--	--	--	--	--	--	--	--			
1130		476	101	17 C													--			
05/12/71	5050	3.19	9.1	70.0F	8.1	450	27	26	33	--	4.0	210	--	31	--	--	--		176	4E
1045	5050	331	102	21.1C	8.5	464	1.35	2.17	1.44		.13	3.44		.87			--		3	1.1
							29	47	31		3	74		19						
06/16/71	5050	3.61	7.6	73 F	7.9	270	25	17	13	--	.0	168	--	14	--	.80	--		135	55E
0830	5050	512	88	23 C	8.0	325	1.25	1.45	.57		.00	2.75		.39			--		3	0.5
							38	45	18			85		12						
07/07/71	5050	3.46	9.0	81 F	8.4	280	--	--	--	--	--	--	--	--	--	--	--			
1400		460	112	27 C													--			
08/04/71	5050	3.54	8.7	77 F	8.2	270	24	14	13	--	.0	151	--	10	--	.80	--		120	15E
0945	5050	476	104	25 C	8.2	279	1.20	1.20	.57		.00	2.47		.28			--		4	0.5
							43	43	20			89		10						
09/28/71	5050	2.65	9.8	62 F	8.2	330	24	18	16	--	1.0	182	--	19	--	--	--		137	6E
0945	5050	202	100	17 C	8.4	353	1.20	1.54	.70		.03	2.98		.54			--		14	0.6
							34	44	20		1	84		15						
	A8	1250.00			BEAR CREEK NEAR RUMSEY															
10/22/70	5050	0.92	11.8	55.4F	8.4		25	128	713	35	74	821	63	949	20.0	11.0	--	2470	591	10E
1015	5050	2.8	112	13.0C	8.5	4160	1.25	10.53	31.02	.90	2.47	13.46	1.31	26.76	.32		--	2422	208	12.8
							3	24	71	2	6	30	3	60	1					
11/12/70	5050	0.94	12.2	56.0F	8.4		--	--	760	--	.0	950	--	1080	25.0	32.0	--		670	3E
1245	5050	3.1	116	13.3C	8.3	4560			33.06		.00	15.57		30.46	.40		--			
									72			34		67	1					
12/10/70	5050	1.81	11.9	46.0F	8.4		--	--	153	--	.0	439	--	222	6.7	4.90	--		414	3E
1225	5050	46	100	7.8C	8.3	1370			6.66		.00	7.20		6.26	.11		--			
									49			53		46	1					
01/07/71	5050	1.78	12.5	41.9F	8.5		--	--	152	--	13	488	--	200	5.6	4.50	--		447	2E
1600	5050	45	99	5.5C	8.5	1410			6.61		.43	8.00		5.64	.09		--			
									47		3	57		40	1					
02/04/71	5050	1.81	12.5	47 F	8.4		--	--	141	--	.0	547	--	170	6.4	3.90	--		442	4E
1200	5050	46	106	8 C	8.3	1340			6.13		.00	8.97		4.79	.10		--			
									46			67		36	1					
03/04/71	5050	1.49	12.1	50 F	8.4		27	101	220	9.5	36	548	72	255	7.6	6.30	--	1040	485	2E
1140	5050	22	107	10 C	8.7	1720	1.35	8.31	9.57	.24	1.20	8.98	1.50	7.19	.12		--	1004	26	4.4
							7	43	49	1	6	47	8	38	1					
04/08/71	5050	1.55	10.9	59 F	8.4		--	--	162	--	28	514	--	209	7.1	4.40	--		427	4E
1210	5050	25	108	15 C	8.5	1500			7.05		.93	8.42		5.89	.11		--			
									47		6	56		39	1					
05/05/71	5050	1.30	10.2	62 F	8.3		--	--	238	--	25	623	--	317	8.6	6.40	--		490	7E
1000	5050	13	104	17 C	8.5	1960			10.35		.83	10.21		8.94	.14		--			
									53		4	52		46	1					
06/24/71	5050	0.84	10.0	76.1F	8.4		--	--	366	--	42	716	--	495	2.4	1.10	--		522	6E
1120	5050	3.6	119	24.5C	8.7	2530			15.92		1.40	11.74		13.96	.04		--			
									63		6	46		55						
07/22/71	5050	0.60	12.5	82 F	8.3		--	--	538	--	42	768	--	676	.3	12.0	--		556	5E
1330	5050	.9	158	28 C	8.6	3190			23.40		1.40	12.59		19.06	.00		--			
									73		4	39		60						

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. O 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									MILLIGRAMS PER LITER				
							PERCENT REACTANCE VALUE													
A8	1250.00				BEAR CREEK NEAR RUMSEY									CONTINUED						
08/19/71	5050	0.49	10.1	75 F	8.1		--	--	669	--	77	760	--	935	.0	21.0	--		699	4E
1130	5050	.2	119	24 C	8.7	4110			29.10		2.57	12.46		26.37	.00		--			
									71		6	30		64						
09/16/71	5050		11.4	73 F	8.4		--	--	874	--	83	820	--	1120	.8	26.0	--		655	2E
1135	5050	.4	132	23 C	8.7	4650			38.02		2.77	13.44		31.58	.01		--			
									82		6	29		68						
A8	1350.00				CACHE CREEK NEAR LOWER LAKE															
10/22/70	5050	1.14	10.1	58.1F	7.8		--	--	9.7	--	.0	148	--	6.4	.2	1.00	--		119	10E
0835	5050	21	99	14.5C	7.8	265			.42		.00	2.43		.18	.00		--			
									16			92		7						
11/12/70	5050	0.53	11.3	51.0F	7.3		22	18	14	2.7	.0	153	11	15	3.2	1.20	--	194	130	4E
1050	5050	2.8	101	10.5C	8.1	311	1.10	1.48	.61	.07	.00	2.51	.23	.42	.05		--	162	4	0.5
							34	45	19	2		78	7	13	2					
12/10/70	5050	0.48	10.9	48.0F	7.3		--	--	8.5	--	.0	86	--	6.4	--	.50	--		80	60E
1030	5050	2.2	94	8.9C	7.7	194			.37		.00	1.41		.18			--			
									19			73		9						
01/07/71	5050	0.56	10.1	44.6F	7.1		--	--	9.6	--	.0	135	--	6.7	--	.90	--		110	25E
1345	5050	3.2	83	7.0C	7.7	247			.42		.00	2.21		.19			--			
									17			89		8						
02/04/71	5050	0.72	11.5	47 F	7.6		--	--	10	--	.0	139	--	6.6	--	.90	--		128	25E
1000	5050	6.2	98	8 C	7.7	256			.44		.00	2.28		.19			--			
									17			89		7						
03/04/71	5050	0.70	11.4	47 F	7.8		--	--	9.6	--	.0	146	--	5.5	--	.60	--		130	20E
0945	5050	5.8	97	8 C	7.6	292			.42		.00	2.39		.16			--			
									14			82		5						
04/08/71	5050	0.60	10.3	59 F	8.0		--	--	9.8	--	.0	138	--	5.1	--	.80	--		105	20E
0945	5050	3.9	102	15 C	7.8	248			.43		.00	2.26		.14			--			
									17			91		6						
05/05/71	5050	2.56	9.5	58 F	7.4		--	--	7.7	--	.0	134	--	3.9	--	.80	--		114	25E
0830	5050	180	93	14 C	7.4	250			.33		.00	2.20		.11			--			
									13			88		4						
06/24/71	5 5	6.93	8.8	74.3F	7.6		--	--	9.6	--	.0	134	--	5.6	--	.70	--		112	30E
0825	5050	3060	103	23.5C	8.0	250			.42		.00	2.20		.16			--			
									17			88		6						
07/22/71	5050	4.09	7.9	81 F	7.8		20	13	8.4	1.8	.0	129	7.1	4.5	.2	.70	--	148	105	4E
1115	5050	650	98	27 C	7.9	240	1.00	1.07	.37	.05	.00	2.11	.15	.13	.00		--	119	2	0.4
							40	43	15	2		88	6	5						
08/19/71	5050	3.58	9.0	79 F	8.4		--	--	9.8	--	.0	138	--	5.6	--	1.00	--		112	20E
0945	5050	490	110	26 C	8.1	247			.43		.00	2.26		.16			--			
									17			91		6						
09/16/71	5050	3.04	8.2	77 F	8.2		--	--	11	--	.0	144	--	6.7	--	.80	--		117	20E
0910	5050	335	98	25 C	8.1	258			.48		.00	2.36		.19			--			
									19			91		7						
A8	2050.00				CACHE CREEK NORTH FORK NEAR LOWER LAKE															
10/22/70	5050	1.70	11.5	56.3F	8.0		--	--	38	--	.0	222	--	72	--	4.30	--		228	1E
0925	5050	5.6	110	13.5C	8.3	607			1.65		.00	3.64		2.03			--			
									27			60		33						
11/12/70	5050	2.64	12.5	59.0F	8.2		43	42	62	2.3	.0	278	23	114	2.2	7.90	--	444	282	1E
1215	5050	32	123	15.0C	8.2	789	2.15	3.45	2.70	.06	.00	4.56	.48	3.21	.04		--	433	52	1.6
							26	41	32	1		55	6	39						
12/10/70	5050	4.12	11.2	47.0F	7.7		--	--	10	--	.0	118	--	12	--	1.00	--		100	30E
1145	5050	580	95	8.3C	8.0	232			.44		.00	1.93		.34			--			
									19			83		15						
01/07/71	5050	3.25	11.9	44.6F	8.0		--	--	12	--	.0	151	--	13	--	.90	--		124	4E
1500	5050	258	98	7.0C	8.1	283			.52		.00	2.47		.37			--			
									18			87		13						
02/04/71	5050	2.99	12.0	47 F	8.0		--	--	14	--	.0	178	--	12	--	1.00	--		145	6E
1115	5050	193	102	8 C	8.3	322			.61		.00	2.92		.34			--			
									19			91		11						
03/04/71	5050	2.53	12.0	47 F	8.2		27	26	20	.8	4.0	206	12	20	.9	1.70	--	231	174	2E
1050	5050	105	102	8 C	8.4	407	1.35	2.14	.87	.02	.13	3.38	.25	.56	.01		--	214	1	0.7
							31	49	20		3	78	6	13						
04/08/71	5050	2.72	10.6	56 F	8.2		--	--	13	--	.0	167	--	9.9	--	.80	--		128	6E
1105	5050	203	101	13 C	8.0	300			.57		.00	2.74		.28			--			
									19			91		9						
05/05/71	5050	2.26	10.3	57 F	8.1		--	--	15	--	.0	197	--	16	--	1.40	--		161	4E
0915	5050	103	99	14 C	8.1	369			.65		.00	3.23		.45			--			
									18			88		12						
06/24/71	5050	1.53	10.8	73 F	8.3		--	--	29	--	.0	224	--	34	--	2.50	--		185	1E
1030	5050	16	125	23 C	8.3	429			1.26		.00	3.67		.96			--			
									29			86		22						
07/22/71	5050	1.31	10.3	83.3F	8.2		--	--	32	--	.0	222	--	42	--	3.00	--		187	2E
1245	5050	6.3	131	28.5C	8.3	478			1.39		.00	3.64		1.18			--			
									29			76		25						
08/19/71	5050	1.55	10.4	77 F	8.1		--	--	34	--	3.0	208	--	52	--	3.60	--		190	2E
1030	5050	2.9	125	25 C	8.4	492			1.48		.10	3.41		1.47			--			
									30		2	69		30						
09/16/71	5050	1.43	10.5	74.3F	8.2		--	--	33	--	.0	216	--	51	--	3.60	--		200	1E
1050	5050	2.2	123	23.5C	8.3	504			1.44		.00	3.54		1.44			--			
									29			70		29						

TABLE 0-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. 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
	A9	1250.00				PUTAH CREEK NEAR WINTERS															
10/23/70	5050	6.48	10.9	56	F	7.9	280	16	23	7.9	--	5.0	153	--	5.0	--	--	--		137	4E
1315	5050	302	104	13	C	8.4	285	.80	1.94	.34		.17	2.51		.14			--		3	0.3
								28	68	12		6	88		5						
11/18/70	5050	5.24	10.5	58	F	7.9	295	14	22	7.8	--	.0	165	--	5.1	--	--	--		127	
1145	5050	107	102	14	C	7.8	288	.70	1.84	.34		.00	2.70		.14			--		8	0.3
								24	64	12			94		5						
12/17/70	5050	4.74	10.1	52	F	7.7	320	17	19	14	--	.0	140	--	11	--	--	--		122	75E
1100	5050	50	92	11	C	7.7	307	.85	1.59	.61		.00	2.29		.31			--		8	0.6
								28	52	20			75		10						
01/14/71	5050	5.02	11.7	48	F	7.8	344	24	24	14	--	.0	176	--	11	--	--	--		160	15E
1600	5050	75	101	9	C	7.9	351	1.20	2.00	.61		.00	2.88		.31			--		16	0.5
								34	57	17			82		9						
02/02/71	5050	7.33	12.2	51	F	8.0	300	17	25	8.2	--	.0	166	--	5.8	--	--	--		146	10E
1430	5050	508	109	11	C	8.1	298	.85	2.07	.36		.00	2.72		.16			--		10	0.3
								29	69	12			91		5						
03/02/71	5050	5.75	11.6	50	F	8.2	305	17	23	8.2	--	.0	163	--	4.1	--	--	--		140	7E
0900	5050	178	102	10	C	8.3	294	.85	1.95	.36		.00	2.67		.12			--		7	0.3
								29	66	12			91		4						
04/15/71	5050	7.02	10.4	62	F	8.1	290	20	23	7.7	--	2.0	161	--	5.7	--	--	--		145	4E
1050	5050	427	106	17	C	8.4	294	1.00	1.90	.33		.07	2.64		.16			--		10	0.3
								34	65	11		2	90		5						
05/12/71	5050	6.68	12.5	56	F	8.1	290	15	24	8.3	--	.0	166	--	4.4	--	--	--		139	1E
1210	5050	364	119	13	C	8.3	293	.75	2.03	.36		.00	2.72		.12			--		3	0.3
								26	69	12			93		4						
06/16/71	5050	7.68	10.8	60	F	7.9	240	15	26	6.8	--	.0	164	--	4.8	--	--	--		148	7E
0930	5050	617	108	16	C	8.1	292	.75	2.21	.30		.00	2.69		.14			--		14	0.2
								26	76	10			92		5						
07/09/71	5050	7.78	12.4	55	F	8.1	290	17	25	7.8	--	.0	161	--	4.8	--	--	--		146	5E
1200	5050	653	117	13	C	8.3	292	.85	2.07	.34		.00	2.64		.14			--		14	0.3
								29	71	12			90		5						
08/04/71	5050	7.86	9.2	53	F	8.0	285	18	23	8.1	--	.0	165	--	6.4	--	--	--		141	1E
0830	5050	677	84	12	C	8.2	294	.90	1.92	.35		.00	2.70		.18			--		6	0.3
								31	65	12			92		6						
09/08/71	5050	7.15	11.4	55	F	8.2	275	21	22	8.1	--	.0	166	--	6.1	--	--	--		145	1E
0950	5050	482	107	13	C	8.2	298	1.05	1.85	.35		.00	2.72		.17			--		9	0.3
								35	62	12			91		6						
	A9	5010.00				POPE CREEK NEAR POPE VALLEY															
06/04/71	5050	2.88	11.5	69	F	8.1	50	--	--	--	--	--	--	--	--	--	--	--			
1100		7.5	127	21	C													--			
	B0	2105.00				MOKELUMNE RIVER AT WOODBRIDGE															
10/22/70	5050	7.58	10.5	57	F	7.0	47	--	--	--	--	--	--	--	--	--	--	--			
0900		544	101	14	C													--			
11/12/70	5050	6.62		58	F		46	--	--	--	--	--	--	--	--	--	--	--			
1400		392		14	C													--			
12/09/70	5050	2.12	10.5	55	F	7.3	42	--	--	--	--	--	--	--	--	--	--	--			
1445		1438	99	13	C													--			
12/29/70	5050	8.71		51	F		38	--	--	--	--	--	--	--	--	--	--	--			
0930		763		11	C													--			
01/18/71	5050	8.15	11.7	50	F	7.0	45	--	--	--	--	--	--	--	--	--	--	--			
1545		653	103	10	C													--			
02/04/71	5050	9.03	12.0	42	F	6.9	42	--	--	--	--	--	--	--	--	--	--	--			
0825		816	95	6	C													--			
02/18/71	5050	9.09	11.5	48.0F		7.1	41	5.3	1.4	2.0	--	.0	18	--	2.2	--	--	--		19	5E
0930	5050	828	99	8.9C		7.5	47	.26	.12	.09		.00	.30		.06			--		4	0.2
								55	26	19			64		13						
03/08/71	5050		11.3	50	F	7.4	48	--	--	--	--	--	--	--	--	--	--	--			
1030		455	100	10	C													--			
03/31/71	5050	6.88	10.9	58	F	7.2	47	--	--	--	--	--	--	--	--	--	--	--			
1300		440	106	14	C													--			
04/14/71	5050	5.75	10.3	60	F	7.1	47	--	--	--	--	--	--	--	--	--	--	--			
1500		288	103	16	C													--			
05/04/71	5050	5.52	10.6	57	F	7.1	45	3.7	1.6	2.1	--	.0	18	--	.8	--	--	--		16	1E
0830	5050	244	102	14	C	7.3	45	.18	.13	.09		.00	.30		.02			--		1	0.2
								40	29	20			67		4						
05/20/71	5050	5.36	9.5	65	F	7.2	48	--	--	--	--	--	--	--	--	--	--	--			
1330		226	100	18	C													--			
06/07/71	5050	5.39	9.6	65	F	7.2	46	--	--	--	--	--	--	--	--	--	--	--			
1215		234	102	18	C													--			

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				
	80	2105.00			MOKELUMNE RIVER AT WOODBRIDGE									CONTINUED						
07/15/71	5050	6.83	9.9	65 F	7.1	45	--	--	--	--	--	--	--	--	--	--	--			
1030		430	105	18 C													--			
08/06/71	5050	3.77	8.3	73 F	7.1	48	--	--	--	--	--	--	--	--	--	--	--			
1000		35	96	23 C													--			
09/08/71	5050	6.22	9.3	68 F	7.3	52	--	--	--	--	--	--	--	--	--	--	--			
1340		358	102	20 C													--			
09/29/71	5050	7.32	10.6	56 F	7.1	45	--	--	--	--	--	--	--	--	--	--	--			
1200		561	101	13 C													--			
	80	2515.01			CALAVERAS RIVER AT STOCKTON															
05/19/71	5050	3.35	8.5	71 F	8.0	185	--	--	--	--	--	--	--	--	--	--	--			
1530		2.6	96	22 C													--			
	80	2580.00			STOCKTON DIVERTING CANAL AT STOCKTON															
12/09/70	5050	5.25	10.2	53 F	7.4	170	13	6.9	6.5	--	.0	83	--	8.3	--	--	--		61	50E
1030	5050	187	94	12 C	7.0	168	.65	.57	.28		.00	1.36		.23			--		7	0.4
							39	34	17			81		14						
01/18/71	5050	6.11	11.4	50 F	7.6	190	--	--	--	--	--	--	--	--	--	--	--			
1330		1304	101	10 C													--			
02/04/71	5050		13.6	43 F	8.4	180	--	--	--	--	--	--	--	--	--	--	--			
0945		8.2	109	6 C													--			
02/18/71	5050	3.05	11.7	53.0F	8.1	195	23	9.9	7.6	--	.0	100	--	7.3	--	--	--		98	4E
1215	5050	2.4	107	11.7C	7.8	221	1.15	.81	.33		.00	1.64		.21			--		16	0.3
							52	37	15			74		10						
05/20/71	5050	2.86	7.9	64 F	7.8	235	--	--	--	--	--	--	--	--	--	--	--			
0830		.9	83	18 C													--			
06/28/71	5050	3.22	8.5	62 F	7.5	210	--	--	--	--	--	--	--	--	--	--	--			
1040		8.5	87	17 C													--			
08/06/71	5050	3.73	6.7	79 F	7.3	190	--	--	--	--	--	--	--	--	--	--	--			
1200		32	82	26 C													--			
09/08/71	5050	4.10	8.3	75 F	7.5	185	--	--	--	--	--	--	--	--	--	--	--			
1230		57	98	24 C													--			
09/29/71	5050	3.27	6.6	61 F	7.3	185	19	8.6	6.4	--	.0	99	--	4.8	--	--	--		83	5E
1035	5050	10	67	16 C	8.1	202	.95	.71	.28		.00	1.62		.14			--		2	0.3
							47	35	14			80		7						
	80	7020.00			SAN JOAQUIN RIVER NR VERNALIS															
10/06/70	5050	1.55					--	--	--	--	--	--	--	--	--	--	--			
0920		1670															--			
10/08/70	5001		9.4	64 F	7.7		--	--	--	--	--	--	--	--	--	--	--			40A
1200	5006		99	18 C		734											--			
		2																		
10/20/70	5050	1.14					--	--	--	--	--	--	--	--	--	--	--			
		1450															--			
01/11/71	5001			48 F	8.0		--	--	--	--	.0	88	--	--	--	--	--			
1420	5006			9 C		419					.00	1.44					--			
												34								
02/08/71	5001			55 F	7.5		--	--	--	--	.0	82	--	--	--	--	--			
1200	5006			13 C		428					.00	1.34					--			
												31								
03/05/71	5001		10.5	52 F	7.8		--	--	--	--	--	--	--	--	--	--	--			24A
1000	5006		95	11 C		663											17.0			
		3																		
03/08/71	5001			54 F	7.5		--	--	--	--	.0	100	--	--	--	--	--			
1120	5006			12 C		584					.00	1.64					--			
												28								
04/06/71	5001		8.6	64 F	7.5		--	--	--	--	--	--	--	--	--	--	--			40A
0945	5006		90	18 C		860											--			
		3																		
04/12/71	5001			57 F			--	--	--	--	--	--	--	--	--	--	--			
1430	5006			14 C		695											--			
05/04/71	5001		9.7	63 F	7.7		--	--	--	--	--	--	--	--	--	--	--			30A
1130	5006		100	17 C		789											17.0			
		3																		
05/10/71	5001			61 F	7.6		--	--	--	--	.0	111	--	--	--	--	--			
1130	5006			16 C		530					.00	1.82					--			
												34								
06/02/71	5001		10.6	66 F	7.4		--	--	--	--	--	--	--	--	--	--	--			32A
1030	5006		114	19 C		699											15.0			
		3																		

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								
	80	7020.00			SAN JOAQUIN RIVER NR VERNALIS									CONTINUED						
06/07/71	5001			66 F			--	--	--	--	--	--	--	--	--	--	--			
1400	5006			19 C		776											--			
06/30/71	5001		9.0	72 F	7.6		--	--	--	--	--	--	--	--	--	--	--			40A
1015	5006		102	22 C		597											14.0			
		3																		
07/12/71	5001			72 F			--	--	--	--	--	--	--	--	--	--	--			
1350	5006			22 C		905											--			
08/03/71	5001		12.0	84 F	8.2		--	--	--	--	--	--	--	--	--	--	--			60A
1400	5006		154	29 C		892											16.0			
		3																		
08/09/71	5001			82 F	7.9		--	--	--	--	.0	179	--	--	--	--	--			
1440	5006			28 C		937					.00	2.93					--			
												31								
08/31/71	5001		10.5	73 F	7.9		--	--	--	--	--	--	--	--	--	--	--			25A
1500	5006		121	23 C		831											20.0			
		3																		
09/07/71	5001			73 F			--	--	--	--	--	--	--	--	--	--	--			
1350	5006			23 C		836											--			
09/28/71	5001		8.3	66 F	7.7		--	--	--	--	--	--	--	--	--	--	--			21A
1130	5006		89	19 C		686											20.0			
		3																		
	81	1150.00			COSUMNES RIVER AT MICHIGAN BAR															
10/08/70	5050	2.20		70 F	7.4	70	--	--	--	--	--	--	--	--	--	--	--			
0930		16		21 C													--			
11/10/70	5050	2.76	11.2	59 F	7.5	78	9.0	4.0	6.3	--	.0	50	--	5.8	--	--	--		39	
1515	5050	72	111	15 C	7.5	107	.45	.33	.27		.00	.82		.16			--		2	0.4
							42	31	25			77		15						
12/09/70	5050	4.67	11.6	52.0F	7.3	115	8.9	3.3	3.8	--	.0	46	--	3.6	--	--	--		36	30E
1340	5050	1090	105	11.1C	7.5	99	.44	.27	.17		.00	.75		.10			--		2	0.3
							44	27	17			76		10						
01/15/71	5050	4.46	12.6	46 F	7.4	120	12	6.8	4.1	--	.0	56	--	2.8	--	--	--		58	15E
1130	5050	884	106	8 C	7.8	115	.60	.56	.18		.00	.92		.08			--		12	0.2
							52	49	16			80		7						
03/10/71	5050	3.50	12.2	47 F	7.7	86	7.3	3.8	3.2	--	.0	43	--	2.0	--	--	--		34	7E
0830	5050	247	104	8 C	7.5	84	.36	.31	.14		.00	.70		.06			--		2	0.2
							43	37	17			83		7						
04/16/71	5050	4.57		55 F	7.0	49	--	--	--	--	--	--	--	--	--	--	--			
1000		632		13 C													--			
05/18/71	5050	4.24	10.5	56 F	7.0	48	3.8	2.1	2.4	--	.0	25	--	.7	--	--	--		18	1E
0700	5050	692	100	13 C	7.6	50	.19	.17	.10		.00	.41		.02			--		3	0.2
							38	34	20			82		4						
07/19/71	5050	2.70	7.8	82 F	7.3	62	5.9	3.0	3.6	--	.0	33	--	1.0	--	--	--		27	9E
1230	5050	64	98	28 C	7.5	66	.29	.25	.16		.00	.54		.03			--		0	0.3
							44	38	24			82		5						
08/05/71	5050	2.45	7.5	77 F	7.5	73	--	--	--	--	--	--	--	--	--	--	--			
0730		32	90	25 C													--			
09/03/71	5050	2.25	7.6	70 F	7.4	79	8.4	2.4	4.8	--	.0	42	--	2.4	--	--	--		31	1E
0830	5050	18	85	21 C	7.5	80	.42	.20	.21		.00	.69		.07			--		4	0.4
							53	25	26			86		9						
	81	2100.00			COSUMNES RIVER, NORTH FORK, NEAR EL DORADO															
11/10/70	5050	2.55	10.5	58 F	7.2	78	7.1	2.0	3.1	--	.0	28	--	3.6	--	--	--		26	
1500	5050	34	102	14 C	7.6	70	.35	.16	.13		.00	.46		.10			--		3	0.3
							50	23	19			66		14						
01/15/71	5050	3.40	12.8	43 F	7.0	88	9.4	2.6	3.8	--	.0	38	--	8.8	--	--	--		34	9E
1500	5050	241	103	6 C	7.6	86	.47	.21	.17		.00	.62		.25			--		3	0.3
							55	24	20			72		29						
03/10/71	5050	2.79*	12.2	47 F	7.3	62	5.7	2.4	2.8	--	.0	28	--	1.5	--	--	--		24	3E
1345	5050	93	104	8 C	7.3	62	.28	.20	.12		.00	.46		.04			--		1	0.2
							45	32	19			74		6						
05/18/71	5050	3.62	10.9	56 F	7.0	40	3.3	1.2	2.0	--	.0	20	--	.3	--	--	--		13	1E
1145	5050	319	104	13 C	7.5	37	.16	.10	.09		.00	.33		.01			--		4	0.2
							43	27	24			89		3						
07/19/71	5050	2.25	7.5	74 F	7.3	49	4.9	3.8	3.0	--	.0	26	--	1.0	--	--	--		28	6E
0840	5050	37	87	23 C	7.4	69	.24	.31	.13		.00	.43		.03			--		6	0.2
							35	45	19			62		4						
09/03/71	5050	2.00	9.1	69 F	7.4	55	6.3	1.0	4.4	--	.0	30	--	2.0	--	--	--		20	1E
1130	5050	15	100	21 C	7.6	58	.31	.08	.19		.00	.49		.06			--		5	0.4
							53	14	33			84		10						

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. 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	SIO2	TDS SUM	TH NCM	TURB SAR
	81	3150.00			COSUMNES RIVER, MIDDLE FORK, NEAR SOMERSET															
11/10/70	5050	3.64	7.9	54 F	7.1	58	5.9	1.3	2.6	--	.0	26	--	2.7	--	--	--		20	
1620	5050	34	73	12 C	7.7	54	.29	.11	.11		.00	.43		.08			--		2	0.3
							54	20	20			80		15						
01/15/71	5050	4.80	12.9	40 F	7.0	49	5.3	1.4	2.2	--	.0	25	--	1.8	--	--	--		19	5E
1320	5050	124	99	4 C	7.6	48	.26	.12	.10		.00	.41		.05			--		2	0.2
							54	25	21			85		10						
03/10/71	5050	4.71	12.1	46 F	7.4	43	3.6	1.5	2.3	--	.0	23	--	.0	--	--	--		15	2E
1230	5050	112	101	8 C	7.4	43	.18	.12	.10		.00	.38		.00			--		4	0.3
							42	28	23			88								
05/18/71	5050	5.74	11.4	50 F	7.0	30	2.5	1.2	2.2	--	.0	17	--	.0	--	--	--		11	0E
1040	5050	323	101	10 C	7.5	30	.12	.10	.10		.00	.28		.00			--		3	0.3
							40	33	33			93								
07/19/71	5050	4.20	7.6	78 F	7.2	47	4.8	1.7	2.6	--	.0	25	--	.0	--	--	--		19	4E
1120	5050	55	92	26 C	7.5	49	.24	.14	.11		.00	.41		.00			--		2	0.3
							49	29	22			84								
09/03/71	5050	3.54	9.1	65 F	7.3	55	7.1	1.0	3.8	--	.0	31	--	1.5	--	--	--		22	1E
1000	5050	12	96	18 C	7.5	57	.35	.08	.17		.00	.51		.04			--		4	0.4
							61	14	30			89		7						
	81	4110.01			COSUMNES RIVER, SOUTH FORK, AT RIVER PINES															
11/10/70	5050		9.9	55 F	7.5	120	11	6.0	4.3	--	.0	56	--	5.3	--	--	--		52	
1550	5050		93	13 C	7.8	118	.55	.49	.19		.00	.92		.15			--		6	0.3
							47	42	16			78		13						
01/15/71	5050		11.7	43 F	7.1	80	9.3	2.9	3.1	--	.0	41	--	2.5	--	--	--		35	7E
1230	5050	96	94	6 C	7.5	79	.46	.24	.13		.00	.67		.07			--		2	0.2
							58	30	16			85		9						
03/10/71	5050		12.0	46 F	7.5	92	8.6	3.5	3.2	--	.0	47	--	2.0	--	--	--		36	3E
1130	5050	22	101	8 C	7.8	90	.43	.29	.14		.00	.77		.06			--		3	0.2
							48	32	16			86		7						
05/18/71	5050		10.2	56 F	7.3	110	9.3	4.6	3.8	--	.0	58	--	1.8	--	--	--		42	1E
0930	5050	17	97	13 C	8.0	104	.46	.38	.17		.00	.95		.05			--		6	0.3
							44	37	16			91		5						
07/19/71	5050		7.7	76 F	7.3	126	12	6.1	5.3	--	.0	69	--	2.0	--	--	--		55	4E
1000	5050	2.1	91	24 C	7.5	127	.60	.50	.23		.00	1.13		.06			--		2	0.3
							47	39	18			89		5						
09/03/71	5050		6.9	63 F	7.3	145	15	6.7	4.6	--	.0	81	--	4.4	--	--	--		65	1E
0930	5050	1.5	71	17 C	7.5	151	.75	.55	.20		.00	1.33		.12			--		2	0.2
							50	36	13			88		8						
	82	1150.00			ORY CREEK NEAR IONE															
11/10/70	5050	2.81	9.8	58 F	7.5	470	53	26	12	--	.0	180	--	14	--	--	--		241	
1225	5050	3.7	96	14 C	7.7	493	2.64	2.17	.52		.00	2.95		.39			--		93	0.3
							54	44	11			60		8						
01/15/71	5050	4.36	11.9	46 F	7.4	155	16	6.6	4.9	--	.0	63	--	4.3	--	--	--		67	5E
1230	5050	159	100	8 C	7.6	152	.80	.54	.21		.00	1.03		.12			--		16	0.3
							53	36	14			68		8						
03/10/71	5050	3.20	11.8	49 F	7.9	310	33	15	7.8	--	.0	136	--	5.1	--	--	--		146	2E
1015	5050	17	103	9 C	8.1	305	1.65	1.27	.34		.00	2.23		.14			--		35	0.3
							54	42	11			73		5						
05/18/71	5050	3.10	9.4	61 F	7.8	315	35	16	8.5	--	7.0	149	--	4.8	--	--	--		157	1E
0820	5050	12	95	16 C	8.6	331	1.75	1.39	.37		.23	2.44		.14			--		24	0.3
							53	42	11		7	74		4						
	82	1375.00			MOKELUMNE RIVER NEAR MOKELUMNE HILL															
06/02/71	5050	4.40	10.6	50 F	7.0	52	--	--	--	--	--	--	--	--	--	--	--			
1145			94	10 C													--			
	89	D 747.2	118.4		SAN JOAQUIN RIVER AT MOSSDALE BRIDGE															
10/06/70	5050		9.3				--	--	--	--	--	--	--	--	--	--	--			
0847																	--			
		6																		
10/22/70	5050	2.00	8.3	62 F	7.4	800	43	21	92	3.6	.0	162	72	129	7.4	.30	--	449	194	30E
1140	5050		85	17 C	8.3	844	2.15	1.73	4.00	.09	.00	2.66	1.50	3.64	.12		--	448	61	2.9
							27	22	50	1		34	19	46	2					
11/09/70	5050	2.73	7.8	63 F	7.6	820	42	21	100	5.0	.0	168	79	139	8.3	.40	--	498	192	10E
1430	5050		81	17 C	7.6	858	2.10	1.73	4.35	.13	.00	2.75	1.64	3.92	.13		--	477	54	3.1
							25	21	52	2		33	19	46	2					
12/09/70	5050	4.53	9.1	54 F	7.3	410	18	12	49	2.5	.0	85	46	53	5.6	.30	--	244	94	45E
1315	5050		85	12 C	7.8	419	.90	.99	2.13	.06	.00	1.39	.96	1.49	.09		--	228	25	2.2
							22	24	52	1		35	24	38	2					
01/05/71	5050	5.21	11.9	45 F	7.4	320	18	9.0	38	1.7	.0	74	36	44	3.5	.20	--	201	82	8E
1415	5050		98	7 C	7.9	351	.90	.74	1.65	.04	.00	1.21	.75	1.24	.06		--	187	22	1.8
							27	22	50	1		37	23	38	2					
02/18/71	5050	4.31	10.8	53 F	7.5	375	21	11	50	1.8	.0	75	52	61	3.4	.20	--	242	98	6E
1415	5050		99	12 C	7.7	436	1.05	.90	2.18	.05	.00	1.23	1.08	1.72	.05		--	237	36	2.2
							25	22	52	1		30	26	42	1					
03/08/71	5050	2.00	10.3	54.0F	7.7	580	38	14	73	2.1	.0	120	78	92	4.8	.20	--	380	151	20E
1245	5050		96	12.2C	8.1	645	1.90	1.15	3.18	.05	.00	1.97	1.62	2.59	.08		--	361	54	2.6
							30	18	51	1		31	26	41	1					
04/14/71	5050	2.75	12.1	64 F	8.0	750	46	20	87	3.0	.0	141	84	126	4.1	.40	--	445	198	8E
1200	5050		127	18 C	8.2	770	2.30	1.64	3.78	.08	.00	2.31	1.75	3.55	.07		--	440	82	2.7
							29	21	48	1		30	23	46	1					

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O 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				
89 D 747.2 118.4 SAN JOAQUIN RIVER AT MOSSDALE BRIDGE CONTINUED																				
05/14/71	5050	1.80	12.0	68.0F	8.2	600	--	--	--	--	--	--	--	--	--	--	--			
1315			131	20.0C													--			
07/15/71	5050	1.10	12.1	78 F	8.3	825	45	24	97	3.4	.0	161	80	146	6.4	.30	--	502	210	35E
0830	5050		147	26 C	7.8	878	2.25	1.97	4.22	.09	.00	2.64	1.67	4.12	.10		--	481	79	2.9
							26	23	49	1		31	20	48	1					
09/29/71	5050		8.6	65 F	7.9	650	34	2.0	76	3.5	.0	150	54	110	6.1	.20	--	434	161	57E
0930	5050		91	18 C	7.7	709	1.70	.16	3.31	.09	.00	2.46	1.12	3.10	.10		--	360	30	3.4
							32	3	63	2		36	17	46	1					
89 D 748.3 126.9 OLD RIVER AT TRACY ROAD BIDGE																				
10/13/70	5001		9.4	66 F	7.8		47	21	93	5.8	.0	188	65	131	4.4	.30	--	522	204	33A
1250	5006		101	19 C		826	2.35	1.73	4.05	.15	.00	3.08	1.35	3.69	.07		19.0	479	50	2.8
		3					28	21	49	2		38	16	45	1					
10/20/70	5001		7.7	61 F			--	--	--	--	--	--	--	--	--	--	--			
0500			78	16 C													--			
		3																		
11/05/70	5001		8.3	57.2F			--	--	--	--	--	--	--	--	--	--	--			
0730			80	14.0C													--			
11/17/70	5001		9.7	59 F	7.8		--	--	--	--	--	--	--	--	--	--	--			12A
1230	5006		96	15 C		1000											--			
		3																		
02/17/71	5001		11.0	54 F	7.4		--	--	--	--	--	--	--	--	--	--	--			17A
1415	5006		102	12 C		577											--			
		3																		
03/22/71	5001		9.2	63 F	7.7		--	--	--	--	--	--	--	--	--	--	--			14A
1220	5006		95	17 C		660											--			
		3																		
04/28/71	5001		14.4	63 F	8.6		50	22	100	4.2	8.0	137	100	147	3.5	.40	--	553	216	22A
1450	5006		148	17 C		900	2.50	1.81	4.35	.11	.27	2.25	2.08	4.15	.06		14.0	516	90	3.0
		3					29	21	50	1	3	26	24	47	1					
05/18/71	5001		16.5	68 F	7.6		--	--	--	--	--	--	--	--	--	--	--			25A
1500	5006		180	20 C		762											--			
		3																		
06/03/71	5001						--	--	--	--	--	--	--	--	--	--	--			
1305	5006					769											--			
		3																		
06/09/71	5001		12.7	68 F	8.9		--	--	--	--	--	--	--	--	--	--	--			32A
1528	5006		139	20 C		785											--			
		3																		
07/15/71	5001		15.0	79 F	8.8		50	25	106	4.8	14	148	95	160	.4	.30	--	560	228	25A
1510	5006		183	26 C		936	2.50	2.06	4.61	.12	.47	2.43	1.98	4.51	.01		6.8	535	83	3.1
		3					27	22	50	1	5	26	21	48						
08/09/71	5001		11.0	79 F	8.6		--	--	--	--	--	--	--	--	3.5	--	--			30A
1305	5006		134	26 C		1030									.06		--			
		3													1					
09/13/71	5001		10.3	77 F	8.2		--	--	--	--	--	--	--	--	2.2	--	--			23A
1425	5006		123	25 C		1014									.04		--			
		3																		
89 D 748.5 120.0 OLD RIVER BELOW HEAD																				
10/20/70	5001		9.0	61 F			--	--	--	--	--	--	--	--	--	--	--			
0610			91	16 C													--			
11/05/70	5001		9.1	59.0F			--	--	--	--	--	--	--	--	--	--	--			
0905			90	15.0C													--			
89 D 749.3 122.5 OLD RIVER AT JUNCTION WITH MIDDLE RIVER																				
10/20/70	5001		8.7	61 F			--	--	--	--	--	--	--	--	--	--	--			
0540			88	16 C													--			
		3																		
11/05/70	5001		9.0	59.0F			--	--	--	--	--	--	--	--	--	--	--			
0805			89	15.0C													--			
89 D 749.5 133.1 OLD RIVER AT CLIFTON COURT FERRY																				
05/14/71	5050	4.50	9.2	68.0F	7.9	260	--	--	--	--	--	--	--	--	--	--	--			
1200			101	20.0C													--			
89 D 751.9 119.3 SAN JOAQUIN RIVER AT BRANOT BRIDGE																				
10/06/70	5050		8.7				--	--	--	--	--	--	--	--	--	--	--			
0748																	--			
		11																		
89 D 752.6 122.9 MIDDLE RIVER AT WILLIAMS BRIDGE NEAR HOLT																				
10/13/70	5001		10.7	66 F	8.4		39	17	25	4.0	.0	146	50	120	.0	.00	--	428	168	58A
1215	5006		115	19 C		683	1.95	1.40	1.09	.10	.00	2.39	1.04	3.38	.00		11.0	338	48	0.8
		3					43	31	24	2		35	15	50						
11/17/70	5001		10.8	57 F	7.9		--	--	--	--	--	--	--	--	--	--	--			23A
1140	5006		104	14 C		950											--			
		3																		

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				
89 D 752.6 122.9 MIDDLE RIVER AT WILLIAMS BRIDGE NEAR HOLT CONTINUED																				
02/17/71	5001		10.8	54	F 7.5		--	--	--	--	--	--	--	--	--	--	--			21A
1350	5006		100	12	C	599											--			
		3																		
03/22/71	5001		10.4	61	F 7.7		--	--	--	--	--	--	--	--	--	--	--			24A
1110	5006		105	16	C	700											--			
		3																		
04/28/71	5001		9.4	64	F 7.6		41	17	67	3.7	.0	104	60	118	5.8	.20	--	455	173	35A
1415	5006		99	18	C	765	2.05	1.40	2.91	.09	.00	1.70	1.25	3.33	.09		14.0	378	88	2.2
		3					32	22	45	1		27	20	52	1					
05/18/71	5001		8.8	66	F 7.1		--	--	--	--	--	--	--	--	--	--	--			50A
1425	5006		94	19	C	511											--			
		3																		
06/03/71	5001						--	--	--	--	--	--	--	--	--	--	--			
1320	5006					762											--			
		3																		
06/09/71	5001		10.2	70	F 8.6		--	--	--	--	--	--	--	--	--	--	--			40A
1445	5006		114	21	C	685											--			
		3																		
07/15/71	5001		7.1	79	F 7.1		19	7.5	18	1.9	.0	67	27	26	1.8	.00	--	170	79	60A
1405	5006		87	26	C	242	.95	.62	.78	.05	.00	1.10	.56	.73	.03		14.0	148	24	0.9
		3					40	26	33	2		45	23	30	1					
08/09/71	5001		6.8	81	F 7.5		--	--	--	--	--	--	--	--	1.1	--	--			39A
1340	5006		84	27	C	236									.02		--			
		2													1					
09/13/71	5001		8.8	77	F 7.5		--	--	--	--	--	--	--	--	.4	--	--			65A
1500	5006		106	25	C	233									.01		--			
		3																		
89 D 753.5 129.3 MIDDLE RIVER AT BORDEN HIGHWAY																				
10/13/70	5001		8.0	66	F 7.3		17	8.6	23	2.4	.0	88	17	29	1.8	--	--	180	78	34A
1135	5006		86	19	C	263	.85	.71	1.00	.06	.00	1.44	.35	.82	.03		--	142	6	1.1
		3					32	27	38	2		55	13	31	1					
11/17/70	5001		8.8	59	F 7.3		--	--	--	--	--	--	--	--	--	--	--			20A
1050	5006		87	15	C	425											--			
		3																		
01/11/71	5001			46	F		--	--	47	--	--	--	--	67	--	--	--	341		
1200	5006			8	C	484			2.04					1.89			--			
									42					39						
02/08/71	5001			50	F		--	--	69	--	--	--	--	86	--	--	--	387		
1135	5006			10	C	604			3.00					2.43			--			
									50					40						
02/17/71	5001		9.9	54	F 7.0		--	--	--	--	--	--	--	--	--	--	--			33A
1300	5006		92	12	C	719											--			
		3																		
03/08/71	5001			54	F		--	--	41	--	--	--	--	50	--	--	--	256		
0915	5006			12	C	390			1.78					1.41			--			
									46					36						
03/22/71	5001		10.2	59	F 7.6		--	--	--	--	--	--	--	--	--	--	--			20A
1030	5006		101	15	C	300											--			
		3																		
04/28/71	5001		9.8	64	F 7.8		18	7.8	25	2.3	.0	74	28	29	.0	--	--	185	77	30A
1335	5006		103	18	C	275	.90	.64	1.09	.06	.00	1.21	.58	.82	.00		--	146	17	1.2
		3					33	24	41	2		46	22	31						
05/10/71	5001			61	F		--	--	22	--	--	--	--	28	--	--	--	170		
0930	5006			16	C	258			.96					.79			--			
									37					31						
05/18/71	5001		10.2	66	F 7.2		--	--	--	--	--	--	--	--	--	--	--			33A
1340	5006		109	19	C	243											--			
		3																		
06/03/71	5001						--	--	--	--	--	--	--	--	--	--	--			
1250	5006					265											--			
		1																		
06/09/71	5001		10.0	68	F 7.8		--	--	--	--	--	--	--	--	--	--	--			35A
1350	5006		109	20	C	247											--			
		3																		
07/15/71	5001		7.2	77	F 7.5		15	6.4	13	1.5	.0	63	19	15	.9	--	--	127	64	28A
1330	5006		86	25	C	182	.75	.53	.57	.04	.00	1.03	.40	.42	.01		--	102	13	0.7
		3					40	28	30	2		55	22	23	1					
08/09/71	5001			79	F		--	--	11	--	--	--	--	10	--	--	--	105		
1210	5006			26	C	157			.48					.28			--			
									31					18						
08/09/71	5001		8.0	79	F 7.6		--	--	--	--	--	--	--	--	.4	--	--			30A
1230	5006		98	26	C	164									.01		--			
		2													1					
09/13/71	5001		8.8	75	F 7.3		--	--	--	--	--	--	--	--	.0	--	--			19A
1350	5006		104	24	C	181									.00		--			
		3																		

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			
89 D 756.1 125.8 WHISKY SLOUGH AT HOLT																				
10/13/70	5001		6.4	66 F	7.1		22	11	40	3.2	.0	98	34	58	1.3	.00	--	236	100	27A
1050	5006		69	19 C		394	1.10	.90	1.74	.08	.00	1.61	.71	1.64	.02		8.0	226	20	1.7
		3					29	24	46	2		40	18	41	1					
11/17/70	5001		6.3	57 F	7.2		--	--	--	--	--	--	--	--	--	--	--			17A
1005	5006		61	14 C		800											--			
		3																		
02/17/71	5001		9.2	54 F	7.0		--	--	--	--	--	--	--	--	--	--	--			22A
1210	5006		85	12 C		1030											--			
		3																		
03/22/71	5001		11.0	61 F	7.7		--	--	--	--	--	--	--	--	--	--	--			11A
0950	5006		111	16 C		9500											--			
		3																		
04/28/71	5001		12.0	66 F	9.1		34	15	68	3.6	8.0	82	70	100	.0	.30	--	377	147	18A
1250	5006		129	19 C		630	1.70	1.23	2.96	.09	.27	1.34	1.46	2.82	.00		1.1	340	66	2.4
		3					28	21	49	2	5	23	25	48						
05/18/71	5001		7.9	68 F	7.2		--	--	--	--	--	--	--	--	--	--	--			23A
1315	5006		86	20 C		636											--			
		3																		
06/03/71	5001						--	--	--	--	--	--	--	--	--	--	--			
1230	5006					649											--			
		3																		
06/09/71	5001		7.0	68 F	7.4		--	--	--	--	--	--	--	--	--	--	--			18A
1314	5006		76	20 C		510											--			
		3																		
07/15/71	5001		10.4	79 F	8.4		27	11	44	2.9	.0	87	50	58	.0	.00	--	272	113	20A
1255	5006		127	26 C		426	1.35	.90	1.91	.07	.00	1.43	1.04	1.64	.00		1.2	237	41	1.8
		3					32	21	45	2		35	25	40						
08/09/71	5001		6.5	81 F	7.8		--	--	--	--	--	--	--	--	.0	--	--			25A
1145	5006		81	27 C		338									.00		--			
		3																		
09/13/71	5001		7.8	79 F	7.1		--	--	--	--	--	--	--	--	.2	--	--			12A
1310	5006		95	26 C		325									.00		--			
		3																		
89 D 757.8 121.9 STOCKTON SHIP CHANNEL AT BURNS CUTOFF																				
10/06/70	5050		3.7				--	--	--	--	--	--	--	--	--	--	--			
0633																	--			
		16																		
89 D 758.7 122.9 SAN JOAQUIN RIVER AT BUCKLEY COVE																				
10/12/70	5001		7.7	68 F	7.7		37	17	80	6.0	.0	166	60	106	5.3	.30	--	436	163	30A
1330	5006		84	20 C		687	1.85	1.40	3.48	.15	.00	2.72	1.25	2.99	.09		19.0	412	27	2.7
		2					27	20	51	2		39	18	42	1					
11/16/70	5001		7.0	61 F	7.5		--	--	--	--	--	--	--	--	--	--	--			19A
1245	5006		71	16 C		906											--			
		2																		
02/17/71	5001		10.7	54 F	7.2		--	--	--	--	--	--	--	--	--	--	--			15A
1135	5006		99	12 C		420											--			
		3																		
03/22/71	5001		8.6	59 F	7.2		--	--	--	--	--	--	--	--	--	--	--			9A
1305	5006		85	15 C		587											--			
		3																		
04/28/71	5001		13.0	64 F	8.5		35	14	65	4.5	.0	123	55	89	4.4	.30	--	373	145	14A
1135	5006		137	18 C		610	1.75	1.15	2.83	.12	.00	2.02	1.15	2.51	.07		6.0	334	44	2.3
		3					30	20	48	2		35	20	44	1					
05/18/71	5001		10.7	66 F	7.2		--	--	--	--	--	--	--	--	--	--	--			22A
1220	5006		115	19 C		592											--			
		3																		
06/03/71	5001						--	--	--	--	--	--	--	--	--	--	--			
1115	5006					667											--			
		1																		
06/09/71	5001		8.3	70 F	8.1		--	--	--	--	--	--	--	--	--	--	--			26A
1230	5006		92	21 C		566											--			
		1																		
07/15/71	5001		6.9	77 F	7.7		30	12	43	3.5	.0	99	40	69	1.2	.00	--	286	125	21A
1215	5006		83	25 C		460	1.50	.99	1.87	.09	.00	1.62	.83	1.95	.02		2.1	249	44	1.7
		2					34	22	42	2		37	19	44						
08/09/71	5001		8.0	79 F	7.7		--	--	--	--	--	--	--	--	.7	--	--			21A
1100	5006		98	26 C		289									.01		--			
		2																		
09/13/71	5001		4.7	77 F	7.3		--	--	--	--	--	--	--	--	4.3	--	--			12A
1200	5006		56	25 C		538									.07		--			
		2													1					
89 D 759.8 125.1 SAN JOAQUIN RIVER AT RINDGE PUMP																				
06/02/71	5050	0.71	9.5	66 F	8.0	540	--	--	--	--	--	--	--	--	--	--	--			
1015			102	19 C													--			

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	TH NCH	TURB SAR
89 D 759.9 126.6 SAN JOAQUIN RIVER AT LIGHT NO 24																				
10/06/70	5050		4.0				--	--	--	--	--	--	--	--	--	--	--			
0605		16															--			
89 D 800.5 134.8 OLD RIVER AT HOLLAND TRACT																				
10/08/70	5001		8.7	66 F	7.6		--	--	--	--	--	--	--	--	--	--	--			29A
1430	5006	3	93	19 C		112											--			
01/11/71	5001			45 F			--	--	--	--	--	--	--	--	--	--	--			
1115	5006			7 C		496											--			
02/08/71	5001			50 F			--	--	--	--	--	--	--	--	--	--	--			
1100	5006			10 C		530											--			
03/05/71	5001		11.9	50 F	7.9		--	--	--	--	--	--	--	--	--	--	--			25A
1145	5006	3	105	10 C		284											17.0			
03/08/71	5001			50 F			--	--	--	--	--	--	--	--	--	--	--			
1225	5006			10 C		258											--			
04/06/71	5001		9.7	59 F	6.9		--	--	--	--	--	--	--	--	--	--	--			40A
1215	5006	3	96	15 C		181											--			
05/04/71	5001		10.4	63 F	7.2		--	--	--	--	--	--	--	--	--	--	--			25A
1400	5006	3	107	17 C		148											14.0			
05/10/71	5001			72 F			--	--	--	--	--	--	--	--	--	--	--			
0910	5006			22 C		163											--			
06/02/71	5001		9.3	66 F	7.5		--	--	--	--	--	--	--	--	--	--	--			26A
1330	5006	3	100	19 C		145											12.0			
06/30/71	5001		8.9	73 F	7.7		--	--	--	--	--	--	--	--	--	--	--			22A
1225	5006	3	103	23 C		143											13.0			
08/03/71	5001		8.3	79 F	7.0		--	--	--	--	--	--	--	--	--	--	--			24A
1520	5006	3	101	26 C		148											12.0			
08/09/71	5001			75 F			--	--	--	--	--	--	--	--	--	--	--			
1125	5006			24 C		152											--			
08/31/71	5001		9.0	72 F	7.1		--	--	--	--	--	--	--	--	--	--	--			22A
1600	5006	3	102	22 C		169											12.0			
09/28/71	5001		9.6	66 F	7.7		--	--	--	--	--	--	--	--	--	--	--			23A
1250	5006	3	103	19 C		152											8.3			
89 D 800.7 138.4 DUTCH SLOUGH AT BETHEL ISLAND BRIDGE																				
10/08/70	5001		8.6	64 F	7.7		--	--	--	--	--	--	--	--	--	--	--			30A
1330	5006	3	90	18 C		230											--			
01/11/71	5001			43 F			--	--	--	--	--	--	--	--	--	--	--			
1045	5006			6 C		484											--			
02/08/71	5001			50 F			--	--	--	--	--	--	--	--	--	--	--			
1035	5006			10 C		508											--			
03/05/71	5001		11.9	50 F	8.0		--	--	--	--	--	--	--	--	--	--	--			31A
1250	5006	3	105	10 C		310											17.0			
03/08/71	5001			50 F			--	--	--	--	--	--	--	--	--	--	--			
0845	5006			10 C		312											--			
04/06/71	5001		9.6	59 F	6.9		--	--	--	--	--	--	--	--	--	--	--			45A
1300	5006	3	95	15 C		250											--			
05/04/71	5001		10.1	63 F	7.6		--	--	--	--	--	--	--	--	--	--	--			24A
1440	5006	3	104	17 C		186											14.0			
05/10/71	5001			64 F			--	--	--	--	--	--	--	--	--	--	--			
0945	5006			18 C		190											--			
06/02/71	5001		10.1	66 F	7.5		--	--	--	--	--	--	--	--	--	--	--			16A
1410	5006	3	108	19 C		190											10.0			
06/30/71	5001		8.1	73 F	7.6		--	--	--	--	--	--	--	--	--	--	--			23A
1300	5006	3	94	23 C		173											12.0			
08/03/71	5001		7.8	81 F	7.3		--	--	--	--	--	--	--	--	--	--	--			23A
1600	5006	3	97	27 C		201											11.0			

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. 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
89 D 800.7 138.4					DUTCH SLOUGH AT BETHEL ISLAND BRIDGE									CONTINUED						
08/09/71	5001			73 F			--	--	--	--	--	--	--	--	--	--	--			
1050	5006			23 C		204											--			
08/31/71	5001		9.1	72 F	7.7		--	--	--	--	--	--	--	--	--	--	--			20A
1630	5006		103	22 C		265											9.7			
		3																		
09/28/71	5001		9.6	66 F	7.6		--	--	--	--	--	--	--	--	--	--	--			20A
1400	5006		103	19 C		194											3.3			
		3																		
89 D 801.1 142.6					BIG BREAK NEAR OAKLEY															
10/07/70	5001		9.6	64 F	7.8		--	--	--	--	--	--	--	--	.3	--	--			34A
1305	5006		101	18 C		164									.00		13.0			
		3																		
11/23/70	5001		9.8	57 F	7.5		--	--	--	--	--	--	--	--	1.6	--	--			17A
1210	5006		95	14 C		183									.03		17.0			
		3													2					
03/03/71	5001		11.5	50 F	6.8		--	--	--	--	.0	74	--	--	1.3	--	--			20A
0940	5006		102	10 C		255					.00	1.21			.02		17.0			
		3										47			1					
03/24/71	5001		10.7	57 F	7.7		--	--	--	--	.0	71	--	--	--	--	--			29A
1515	5006		103	14 C		192					.00	1.16					12.0			
		3										60								
04/06/71	5001		10.3	59 F	7.5		--	--	--	--	.0	60	--	--	.4	--	--			50A
1440	5006		102	15 C		151					.00	.98			.01		15.0			
		3										65			1					
04/21/71	5001		10.9	59 F	7.8		--	--	--	--	--	--	--	--	--	--	--			26A
1415	5006		108	15 C		142											16.0			
		3																		
05/05/71	5001		12.1	61 F	7.8		--	--	--	--	.0	61	--	--	.0	--	--			23A
1425	5006		122	16 C		143					.00	1.00			.00		15.0			
		3										70								
05/19/71	5001		10.4	66 F	7.7		--	--	--	--	--	--	--	--	--	--	--			20A
1510	5006		111	19 C		158											14.0			
		3																		
06/03/71	5001		10.3	66 F	7.7		--	--	--	--	.0	68	--	--	.1	--	--			17A
1450	5006		110	19 C		151					.00	1.11			.00		12.0			
		3										74								
06/16/71	5001		10.4	73 F	7.4		--	--	--	--	--	--	--	--	--	--	--			25A
1340	5006		120	23 C		133											14.0			
		3																		
07/01/71	5001		10.3	72 F	7.7		--	--	--	--	.0	60	--	--	.0	--	--			20A
1315	5006		117	22 C		141					.00	.98			.00		13.0			
		3										70								
07/15/71	5001		9.6	73 F	7.9		--	--	--	--	--	--	--	--	--	--	--			19A
1330	5006		111	23 C		161											12.0			
		3																		
08/04/71	5001		9.2	77 F	8.0		--	--	--	--	.0	60	--	--	.8	--	--			19A
1605	5006		110	25 C		179					.00	.98			.01		12.0			
		3										55			1					
08/17/71	5001		9.2	77 F	7.9		--	--	--	--	--	--	--	--	--	--	--			19A
1725	5006		110	25 C		217											14.0			
		3																		
09/01/71	5001		10.0	73 F	8.2		--	--	--	--	.0	65	--	--	.0	--	--			18A
1620	5006		116	23 C		169					.00	1.07			.00		13.0			
		3										63								
09/15/71	5001		9.8	75 F	8.2		--	--	--	--	--	--	--	--	--	--	--			15A
1600	5006		115	24 C		160											12.0			
		3																		
09/29/71	5001		10.6	66 F	7.5		--	--	--	--	.0	69	--	--	.0	--	--			18A
1430	5006		114	19 C		158					.00	1.13			.00		9.2			
		3										72								
89 D 801.1 148.1					SAN JOAQUIN RIVER AT ANTIOCH															
05/14/71	5050	1.30*	8.7	64.0F	7.6	110	--	--	--	--	--	--	--	--	--	--	--			
0745			91	17.8C													--			
89 D 801.2 148.5					SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL															
10/07/70	5001		9.5	64 F	7.5		--	--	--	--	--	--	--	--	.0	--	--			36A
1230	5006		100	18 C		396									.00		13.0			
		3																		
11/20/70	5001		10.5	57 F	7.2		--	--	--	--	--	--	--	--	1.4	--	--			23A
1205	5006		101	14 C		196									.02		17.0			
		3													1					
01/12/71	5001			45 F			--	--	--	--	--	--	--	--	--	--	--			
1015	5006			7 C		298											--			
02/09/71	5001			50 F			--	--	--	--	--	--	--	--	--	--	--			
1120	5006			10 C		287											--			
03/03/71	5001		11.4	50 F	6.9		--	--	--	--	.0	66	--	--	1.3	--	--			25A
0835	5006		101	10 C		265					.00	1.08			.02		17.0			
		3										41			1					

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. 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
89 D 801.2 148.5 SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL CONTINUED																				
03/09/71	5001			50	F		--	--	--	--	--	--	--	--	--	--	--			
1030	5006			10	C	278											--			
03/24/71	5001		10.2	57	F	7.5	--	--	--	--	.0	69	--	--	--	--	--			45A
1415	5006	3	99	14	C	187					.00	1.13					13.0			
												60								
04/06/71	5001		10.0	59	F	7.5	--	--	--	--	.0	64	--	--	.0	--	--			45A
1320	5006	3	99	15	C	157					.00	1.05			.00		16.0			
												67								
04/21/71	5001		10.3	57	F	7.6	--	--	--	--	--	--	--	--	--	--	--			23A
1315	5006	3	100	14	C	156											16.0			
05/05/71	5001		11.8	61	F	7.8	--	--	--	--	.0	64	--	--	.0	--	--			26A
1340	5006	3	119	16	C	161					.00	1.05			.00		15.0			
												65								
05/11/71	5001			63	F		--	--	--	--	--	--	--	--	--	--	--			
1000	5006			17	C	175											--			
05/19/71	5001		9.8	66	F	7.7	--	--	--	--	--	--	--	--	--	--	--			14A
1410	5006	3	105	19	C	166											14.0			
06/03/71	5001		10.4	64	F	7.6	--	--	--	--	.0	152	--	--	.0	--	--			14A
1410	5006	3	109	18	C	170					.00	2.49			.00		12.0			
												146								
06/16/71	5001		10.0	72	F	7.3	--	--	--	--	--	--	--	--	--	--	--			18A
1225	5006	3	113	22	C	150											14.0			
07/01/71	5001		8.8	72	F	7.7	--	--	--	--	.0	63	--	--	.0	--	--			18A
1225	5006	3	100	22	C	187					.00	1.03			.00		13.0			
												55								
07/15/71	5001		8.7	72	F	7.8	--	--	--	--	--	--	--	--	--	--	--			21A
1235	5006	3	99	22	C	337											12.0			
08/04/71	5001		8.6	75	F	7.7	--	--	--	--	.0	64	--	--	.0	--	--			23A
1515	5006	3	101	24	C	464					.00	1.05			.00		11.0			
												23								
08/10/71	5001			75	F		--	--	--	--	--	--	--	--	--	--	--			
1015	5006			24	C	824											--			
08/17/71	5001		8.6	75	F	7.7	--	--	--	--	--	--	--	--	--	--	--			27A
1650	5006	3	101	24	C	636											13.0			
09/01/71	5001		8.9	72	F	7.9	--	--	--	--	.0	68	--	--	.1	--	--			30A
1540	5006	3	101	22	C	279					.00	1.11			.00		15.0			
												40								
09/15/71	5001		8.2	75	F	7.5	--	--	--	--	--	--	--	--	--	--	--			25A
1530	5006	3	97	24	C	210											12.0			
09/29/71	5001		9.5	66	F	7.8	--	--	--	--	.0	71	--	--	.1	--	--			25A
1340	5006	3	102	19	C	166					.00	1.16			.00		8.9			
												70								
89 D 801.6 145.2 SAN JOAQUIN RIVER AT ANTIOCH BRIDGE (AT LIGHT 12)																				
10/09/70	5001		9.2	66	F	7.5	--	--	--	--	--	--	--	--	.2	--	--			20A
1430	5006	3	99	19	C	286									.00		12.0			
11/20/70	5001		9.6	59	F	7.2	--	--	--	--	--	--	--	--	1.1	--	--			14A
1315	5006	3	95	15	C	206									.02		16.0			
															1					
03/03/71	5001		12.0	50	F	6.7	--	--	--	--	.0	74	--	--	1.3	--	--			19A
0920	5006	3	106	10	C	275					.00	1.21			.02		17.0			
												44			1					
03/24/71	5001		10.2	57	F	7.5	--	--	--	--	.0	71	--	--	--	--	--			29A
1430	5006	3	99	14	C	208					.00	1.16					13.0			
												56								
04/06/71	5001		9.7	61	F	7.4	--	--	--	--	.0	63	--	--	.4	--	--			45A
1420	5006	3	98	16	C	164					.00	1.03			.01		16.0			
												63			1					
04/21/71	5001		10.4	59	F	7.6	--	--	--	--	--	--	--	--	--	--	--			24A
1330	5006	3	103	15	C	163											16.0			
05/05/71	5001		11.6	61	F	7.9	--	--	--	--	.0	62	--	--	.0	--	--			26A
1400	5006	3	117	16	C	155					.00	1.02			.00		15.0			
												66								
05/19/71	5001		9.6	66	F	7.7	--	--	--	--	--	--	--	--	--	--	--			11A
1430	5006	3	103	19	C	173											14.0			
06/03/71	5001		9.8	64	F	7.7	--	--	--	--	.0	68	--	--	.0	--	--			11A
1430	5006	3	103	18	C	164					.00	1.11			.00		12.0			
												68								
06/16/71	5001		10.1	70	F	7.4	--	--	--	--	--	--	--	--	--	--	--			15A
1245	5006	3	112	21	C	153											14.0			

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				
B9 D 801.6 145.2 SAN JOAQUIN RIVER AT ANTIOCH BRIDGE (AT LIGHT 12) CONTINUED																				
07/01/71	5001		9.1	72 F	7.6		--	--	--	--	.0	62	--	--	.1	--	--			15A
1250	5006		103	22 C		171					.00	1.02			.00		13.0			
		3										60								
07/15/71	5001		8.5	73 F	7.7		--	--	--	--	--	--	--	--	--	--	--			15A
1250	5006		98	23 C		250											12.0			
		3																		
08/04/71	5001		8.6	75 F	7.7		--	--	--	--	.0	62	--	--	.1	--	--			19A
1535	5006		101	24 C		383					.00	1.02			.00		11.0			
		3										27								
08/17/71	5001		8.1	75 F	7.5		--	--	--	--	--	--	--	--	--	--	--			19A
1705	5006		95	24 C		525											11.0			
		3																		
09/01/71	5001		8.6	72 F	7.9		--	--	--	--	.0	68	--	--	.0	--	--			20A
1600	5006		98	22 C		267					.00	1.11			.00		13.0			
		3										42								
09/15/71	5001		8.0	77 F	7.7		--	--	--	--	--	--	--	--	--	--	--			16A
1540	5006		96	25 C		185											11.0			
		3																		
09/29/71	5001		9.4	66 F	7.6		--	--	--	--	.0	70	--	--	.0	--	--			19A
1405	5006		101	19 C		171					.00	1.15			.00		7.5			
		3										67								
B9 D 801.9 143.2 SAN JOAQUIN RIVER AT BLIND POINT																				
10/09/70	5050			64.2F		188	--	--	--	--	--	--	--	14	--	--	--			
1115	5050			17.9C		185								.39			--			
														21						
05/03/71	5050			59.9F		160	--	--	--	--	--	--	--	12	--	--	--			
1105	5050			15.5C		155								.34			--			
		3												22						
06/01/71	5050			63.8F		158	--	--	--	--	--	--	--	7.7	--	--	--			
1415	5050			17.6C		152								.22			--			
		3												14						
07/06/71	5050			72.8F		148	--	--	--	--	--	--	--	8.4	--	--	--			
1225	5050			22.6C		139								.24			--			
		3												17						
08/03/71	5050			75.8F		240	--	--	--	--	--	--	--	34	--	--	--			
1030	5050			24.3C		237								.96			--			
		3												41						
08/30/71	5050			69.4F		178	--	--	--	--	--	--	--	16	--	--	--			
1010	5050			20.8C		164								.45			--			
		3												27						
B9 D 801.9 151.4 NEW YORK SLOUGH NEAR PITTSBURG POINT																				
10/09/70	5001		9.3	66 F	7.4		--	--	--	--	--	--	--	--	--	--	--			33A
1405	5006		100	19 C		612											--			
		3																		
03/03/71	5001		11.3	50 F	7.2		--	--	--	--	--	--	--	--	--	--	--			28A
0810	5006		100	10 C		336											17.0			
		3																		
05/05/71	5001		11.1	61 F	7.8		--	--	--	--	--	--	--	--	--	--	--			27A
1320	5006		112	16 C		158											15.0			
		3																		
06/03/71	5001		10.3	64 F	7.6		--	--	--	--	--	--	--	--	--	--	--			15A
1350	5006		108	18 C		189											13.0			
		3																		
07/01/71	9001		9.3	72 F	7.7		--	--	--	--	--	--	--	--	--	--	--			22A
1200	5006		106	22 C		218											13.0			
		3																		
08/04/71	5001		8.9	75 F	7.8		--	--	--	--	--	--	--	--	--	--	--			27A
1455	5006		105	24 C		902											13.0			
		3																		
09/01/71	5001		8.8	72 F	7.8		--	--	--	--	--	--	--	--	--	--	--			27A
1520	5006		100	22 C		369											15.0			
		3																		
09/29/71	5001		8.9	64 F	7.4		--	--	--	--	--	--	--	--	--	--	--			22A
1315	5006		93	18 C		206											10.0			
		3																		
B9 D 802.6 136.8 FRANKS TRACT NEAR RUSSOS LANDING																				
10/07/70	5001		9.6	64 F	7.7		--	--	--	--	--	--	--	--	.5	--	--			22A
1425	5006		101	18 C		157									.01		14.0			
		3													1					
11/23/70	5001		9.8	57 F	7.2		--	--	--	--	--	--	--	--	1.6	--	--			17A
1315	5006		95	14 C		199									.03		17.0			
		3													2					
03/03/71	5001		12.3	50 F	7.0		--	--	--	--	.0	72	--	--	1.3	--	--			18A
1055	5006		109	10 C		245					.00	1.18			.02		17.0			
		3										48			1					
03/24/71	5001		10.7	57 F	7.6		--	--	--	--	.0	69	--	--	--	--	--			30A
1645	5006		103	14 C		182					.00	1.13					14.0			
		3										62								
04/06/71	5001		10.4	59 F	7.6		--	--	--	--	.0	59	--	--	.4	--	--			45A
1540	5006		103	15 C		146					.00	.97			.01		16.0			
		3										66			1					

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. 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					MILLIGRAMS PER LITER				
											MILLIEQUIVALENTS PER LITER									
											PERCENT REACTANCE VALUE									
89 D 802.6 136.8					FRANKS TRACT NEAR RUSSOS LANDING										CONTINUED					
04/21/71	5001		10.7	59	F 7.8		--	--	--	--	--	--	--	--	--	--	--			30A
1550	5006		106	15	C	142											16.0			
		3																		
05/05/71	5001		12.2	63	F 7.9		--	--	--	--	.0	60	--	--	.0	--	--			26A
1600	5006		126	17	C	134					.00	.98			.00		15.0			
		3										73								
05/19/71	5001		11.0	66	F 7.9		--	--	--	--	--	--	--	--	--	--	--			16A
1655	5006		118	19	C	147											14.0			
		3																		
06/03/71	5001		10.2	66	F 7.7		--	--	--	--	.0	68	--	--	.0	--	--			21A
1615	5006		109	19	C	148					.00	1.11			.00		12.0			
		3										75								
06/16/71	5001		10.6	72	F 7.7		--	--	--	--	--	--	--	--	--	--	--			26A
1535	5006		120	22	C	137											14.0			
		3																		
07/01/71	5001		10.4	73	F 7.8		--	--	--	--	.0	59	--	--	.1	--	--			12A
1450	5006		120	23	C	134					.00	.97			.00		13.0			
		3										72								
07/15/71	5001		9.5	75	F 8.0		--	--	--	--	--	--	--	--	--	--	--			22A
1505	5006		112	24	C	131											13.0			
		3																		
08/04/71	5001		9.4	75	F 8.0		--	--	--	--	.0	59	--	--	.1	--	--			21A
1730	5006		111	24	C	153					.00	.97			.00		13.0			
		3										63								
08/16/71	5001		8.6	77	F 7.8		--	--	--	--	--	--	--	--	--	--	--			19A
1530	5006		103	25	C	175											14.0			
		3																		
09/01/71	5001		9.8	72	F 8.2		--	--	--	--	.0	66	--	--	.0	--	--			25A
1735	5006		111	22	C	151					.00	1.08			.00		13.0			
		3										72								
09/14/71	5001		9.6	75	F 8.1		--	--	--	--	--	--	--	--	--	--	--			18A
1650	5006		113	24	C	151											13.0			
		3																		
09/29/71	5001		10.3	64	F 7.8		--	--	--	--	.0	67	--	--	.0	--	--			22A
1550	5006		108	18	C	147					.00	1.10			.00		12.0			
		3										75								
89 D 802.6 147.6					SHERMAN LAKE NEAR ANTIOCH															
10/08/70	5001		9.4	64	F 7.4		--	--	--	--	--	--	--	--	.3	--	--			25A
1300	5006		99	18	C	272									.00		12.0			
		3																		
11/20/70	5001		10.2	57	F 7.2		--	--	--	--	--	--	--	--	1.3	--	--			21A
1240	5006		99	14	C	186									.02		15.0			
		3													1					
03/03/71	5001		11.5	50	F 6.9		--	--	--	--	.0	78	--	--	1.3	--	--			23A
0900	5006		102	10	C	265					.00	1.28			.02		17.0			
		3										48			1					
03/23/71	5001		10.8	54	F 7.2		--	--	--	--	.0	68	--	--	--	--	--			29A
1240	5006		100	12	C	166					.00	1.11					13.0			
		3										67								
04/06/71	5001		10.4	59	F 7.5		--	--	--	--	.0	65	--	--	.4	--	--			100A
1355	5006		103	15	C	138					.00	1.07			.01		16.0			
		3										78			1					
04/20/71	5001		10.6	57	F 7.3		--	--	--	--	--	--	--	--	--	--	--			27A
1115	5006		102	14	C	148											16.0			
		3																		
05/04/71	5001		10.7	61	F 7.3		--	--	--	--	.0	62	--	--	.0	--	--			25A
1405	5006		108	16	C	135					.00	1.02			.00		15.0			
		3										76								
05/18/71	5001		10.0	63	F 7.6		--	--	--	--	--	--	--	--	--	--	--			15A
1110	5006		103	17	C	154											15.0			
		3																		
06/02/71	5001		10.4	63	F 7.6		--	--	--	--	.0	68	--	--	.4	--	--			18A
1325	5006		107	17	C	161					.00	1.11			.01		13.0			
		3										69			1					
06/15/71	5001		9.8	68	F 7.4		--	--	--	--	--	--	--	--	--	--	--			18A
1035	5006		107	20	C	141											15.0			
		3																		
06/30/71	5001		9.7	70	F 7.4		--	--	--	--	.0	60	--	--	.3	--	--			27A
1200	5006		108	21	C	152					.00	.98			.00		14.0			
		3										64								
07/14/71	5001		9.0	72	F 7.7		--	--	--	--	--	--	--	--	--	--	--			24A
0920	5006		102	22	C	253											12.0			
		3																		
08/03/71	5001		9.5	73	F 7.9		--	--	--	--	.0	62	--	--	.1	--	--			25A
1625	5006		110	23	C	320					.00	1.02			.00		14.0			
		3										32								
08/16/71	5001		8.7	75	F 7.6		--	--	--	--	--	--	--	--	--	--	--			26A
1330	5006		102	24	C	414											15.0			
		3																		
08/31/71	5001		8.9	72	F 8.1		--	--	--	--	.0	67	--	--	.1	--	--			20A
1520	5006		101	22	C	266					.00	1.10			.00		11.0			
		3										41								

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. 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
89 D 802.6 147.6 SHERMAN LAKE NEAR ANTIOCH														CONTINUED						
09/14/71	5001		8.7	73	F 7.7		--	--	--	--	--	--	--	--	--	--	--			22A
1415	5006		101	23	C	173											13.0			
		3																		
09/28/71	5001		9.4	64	F 7.8		--	--	--	--	.0	72	--	--	.1	--	--			20A
1320	5006		99	18	C	166					.00	1.18			.00		12.0			
		3										71								
89 D 802.7 123.3 DISAPPOINTMENT SLOUGH NEAR LODI																				
10/12/70	5001		9.3	66	F 7.3		14	5.8	8.3	2.2	.0	74	9.0	9.0	.4	.00	--	105	59	60A
1145	5006		100	19	C	154	.70	.48	.36	.06	.00	1.21	.19	.25	.01		14.0	99	2	0.5
		3					44	30	23	4		73	11	15	1					
11/16/70	5001		7.7	59	F 7.2		--	--	--	--	--	--	--	--	--	--	--			32A
1120	5006		76	15	C	377											--			
		3																		
02/17/71	5001		9.3	52	F 7.1		--	--	--	--	--	--	--	--	--	--	--			24A
1710	5006		84	11	C	486											--			
		3																		
03/22/71	5001		8.5	59	F 7.1		--	--	--	--	--	--	--	--	--	--	--			30A
1155	5006		84	15	C	274											--			
		3																		
04/28/71	5001		10.4	61	F 7.2		16	7.3	14	2.3	.0	78	13	16	.0	.00	--	145	70	24A
1010	5006		105	16	C	210	.80	.60	.61	.06	.00	1.28	.27	.45	.00		12.0	119	6	0.7
		3					39	29	29	3		64	14	23						
05/18/71	5001		9.6	64	F 7.2		--	--	--	--	--	--	--	--	--	--	--			27A
1050	5006		101	18	C	165											--			
		3																		
06/03/71	5001						--	--	--	--	--	--	--	--	--	--	--			
1025	5006					139											--			
		3																		
06/09/71	5001		7.0	70	F 7.6		--	--	--	--	--	--	--	--	--	--	--			27A
1050	5006		78	21	C	168											--			
		3																		
07/15/71	5001		7.1	75	F 7.4		18	7.2	12	1.9	.0	80	14	14	.2	.00	--	139	75	40A
1045	5006		84	24	C	198	.90	.59	.52	.05	.00	1.31	.29	.39	.00		9.1	116	9	0.6
		3					44	29	25	2		66	15	20						
08/09/71	5001		6.6	79	F 7.7		--	--	--	--	--	--	--	--	.4	--	--			30A
0955	5006		81	26	C	227									.01		--			
		3																		
09/13/71	5001		7.5	75	F 7.3		--	--	--	--	--	--	--	--	.1	--	--			27A
1040	5006		88	24	C	199									.00		--			
		3																		
89 D 803.1 141.3 SAN JOAQUIN RIVER AT JERSEY POINT																				
10/01/70	5001		8.8	68	F 7.3		--	--	--	--	--	--	--	--	.4	--	--			21A
1300	5006		96	20	C	169									.01		14.0			
		5													1					
10/07/70	5001		9.4	64	F 7.7		--	--	--	--	--	--	--	--	.4	--	--			17A
1350	5006		99	18	C	166									.01		14.0			
		3													1					
10/15/70	5001		9.6	63	F 7.4		--	--	--	--	--	--	--	--	.6	--	--			23A
1130	5006		99	17	C	158									.01		15.0			
		4													1					
10/22/70	5001		9.5	61	F 7.3		--	--	--	--	--	--	--	--	.4	--	--			24A
1130	5006		96	16	C	169									.01		13.0			
		6													1					
10/29/70	5001		10.1	59	F 7.3		--	--	--	--	--	--	--	--	.9	--	--			17A
1115	5006		100	15	C	164									.01		17.0			
		5													1					
11/23/70	5001		9.5	57	F 7.2		--	--	--	--	--	--	--	--	1.3	--	--			21A
1245	5006		92	14	C	209									.02		17.0			
		3													1					
01/11/71	5001			45	F		--	--	--	--	--	--	--	--	--	--	--			
0855	5006			7	C	286											--			
02/08/71	5001			46	F		--	--	--	--	--	--	--	--	--	--	--			
0845	5006			8	C	263											--			
03/03/71	5001		11.4	50	F 6.7		--	--	--	--	.0	76	--	--	1.3	--	--			18A
1000	5006		101	10	C	270					.00	1.25			.02		17.0			
		3										46			1					
03/08/71	5001			50	F		--	--	--	--	--	--	--	--	--	--	--			
1030	5006			10	C	220											--			
03/24/71	5001		10.4	57	F 7.5		--	--	--	--	.0	73	--	--	--	--	--			24A
1535	5006		101	14	C	213					.00	1.20					13.0			
		3										56								
04/06/71	5001		10.4	59	F 7.5		--	--	--	--	.0	61	--	--	.4	--	--			50A
1505	5006		103	15	C	156					.00	1.00			.01		16.0			
		3										64			1					
04/12/71	5001			57	F		--	--	--	--	--	--	--	--	--	--	--			
1030	5006			14	C	146											--			

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				
89 D 803.1 141.3 SAN JOAQUIN RIVER AT JERSEY POINT														CONTINUED						
04/21/71	5001		10.9	59 F	7.8		--	--	--	--	--	--	--	--	--	--	--			20A
1440	5006		108	15 C		148											16.0			
		3																		
05/03/71	5050			60.1F		149	--	--	--	--	--	--	--	9.6	--	--	--			
1150	5050			15.6C		145								.27			--			
		6												19						
05/05/71	5001		11.9	61 F	7.8		--	--	--	--	.0	61	--	--	.3	--	--			19A
1450	5006		120	16 C		136					.00	1.00			.00		15.0			
		3										74								
05/10/71	5001			63 F			--	--	--	--	--	--	--	--	--	--	--			
1130	5006			17 C		140											--			
05/19/71	5001		10.5	64 F	7.6		--	--	--	--	--	--	--	--	--	--	--			17A
1535	5006		110	18 C		150											14.0			
		3																		
06/01/71	5050			63.3F		150	--	--	--	--	--	--	--	7.6	--	--	--			
1300	5050			17.4C		148								.21			--			
		6												14						
06/03/71	5001		10.0	64 F	7.6		--	--	--	--	.0	148	--	--	.2	--	--			13A
1510	5006		105	18 C		149					.00	2.43			.00		13.0			
		3										163								
06/07/71	5001			66 F			--	--	--	--	--	--	--	--	--	--	--			
1030	5006			19 C		141											--			
06/16/71	5001		10.1	70 F	7.4		--	--	--	--	--	--	--	--	--	--	--			24A
1415	5006		112	21 C		127											15.0			
		3																		
07/01/71	5001		9.8	72 F	7.6		--	--	--	--	.0	59	--	--	.1	--	--			16A
1345	5006		111	22 C		137					.00	.97			.00		13.0			
		3										71								
07/06/71	5050			72.4F		140	--	--	--	--	--	--	--	7.9	--	--	--			
1155	5050			22.4C		136								.22			--			
		6												16						
07/12/71	5001			70 F			--	--	--	--	--	--	--	--	--	--	--			
1025	5006			21 C		166											--			
07/15/71	5001		9.2	73 F	7.9		--	--	--	--	--	--	--	--	--	--	--			15A
1355	5006		106	23 C		149											13.0			
		3																		
08/03/71	5050			74.0F		165	--	--	--	--	--	--	--	15	--	--	--			
0950	5050			23.3C		160								.42			--			
		6												26						
08/04/71	5001		9.3	75 F	7.8		--	--	--	--	.0	62	--	--	.0	--	--			18A
1630	5006		110	24 C		200					.00	1.02			.00		11.0			
		3										51								
08/09/71	5001			73 F			--	--	--	--	--	--	--	--	--	--	--			
1030	5006			23 C		200											--			
08/17/71	5001		8.9		7.7		--	--	--	--	--	--	--	--	--	--	--			18A
1745	5006					252											14.0			
		3																		
08/30/71	5050			69.8F		165	--	--	--	--	--	--	--	12	--	--	--			
0935	5050			21.0C		156								.34			--			
		6												22						
09/01/71	5001		9.7	70 F	8.1		--	--	--	--	.0	66	--	--	.1	--	--			16A
1645	5006		108	21 C		185					.00	1.08			.00		13.0			
		3										58								
09/07/71	5001			72 F			--	--	--	--	--	--	--	--	--	--	--			
1035	5006			22 C		144											--			
09/15/71	5001		9.0	75 F	7.6		--	--	--	--	--	--	--	--	--	--	--			17A
1615	5006		106	24 C		160											9.0			
		3																		
09/29/71	5001		9.8	64 F	7.9		--	--	--	--	.0	68	--	--	.1	--	--			17A
1455	5006		103	18 C		151					.00	1.11			.00		11.0			
		3										74								
89 D 803.7 136.1 FALSE RIVER AT WEBB PUMP																				
10/07/70	5001		9.3	64 F	7.7		--	--	--	--	--	--	--	--	--	--	--			16A
1455	5006		98	18 C		157											--			
		3																		
01/11/71	5001			46 F			--	--	--	--	--	--	--	--	--	--	--			
0948	5006			8 C		333											--			
02/08/71	5001			48 F			--	--	--	--	--	--	--	--	--	--	--			
0945	5006			9 C		316											--			
03/08/71	5001			50 F			--	--	--	--	--	--	--	--	--	--	--			
0935	5006			10 C		212											--			
05/10/71	5001			63 F			--	--	--	--	--	--	--	--	--	--	--			
1045	5006			17 C		142											--			

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. 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
89 D 803.7 136.1	FALSE RIVER AT WEBB PUMP													CONTINUED						
08/09/71	5001			75 F			--	--	--	--	--	--	--	--	--	--	--			
0935	5006			24 C		167											--			
89 D 804.4 134.2	OLD RIVER AT MOUTH																			
10/07/70	5001		9.2	64 F	7.5		--	--	--	--	--	--	--	--	.7	--	--			14A
1525	5006		97	18 C		140									.01		16.0			
		3													1					
11/23/70	5001		9.5	57 F	7.3		--	--	--	--	--	--	--	--	1.7	--	--			20A
1340	5006		92	14 C		191									.03		18.0			
		3													2					
03/03/71	5001		12.0	48 F	6.9		--	--	--	--	.0	71	--	--	.4	--	--			19A
1120	5006		104	9 C		230					.00	1.16			.01		18.0			
		3										50								
89 D 804.7 134.0	SAN JOAQUIN RIVER AT POTATO POINT																			
03/03/71	5001		12.0	48 F	7.2		--	--	--	--	.0	72	--	14	.9	--	--			17A
1130	5006		104	9 C		204					.00	1.18		.39	.01		18.0			
		3										58		19						
03/24/71	5001		10.8	55 F	7.4		--	--	--	--	.0	66	--	7.0	--	--	--			29A
1620	5006		102	13 C		156					.00	1.08		.20			14.0			
		3										69		13						
04/06/71	5001		10.6	59 F	7.5		--	--	--	--	.0	58	--	2.0	.4	--	--			50A
1605	5006		105	15 C		127					.00	.95		.06	.01		16.0			
		3										75		5	1					
04/21/71	5001		10.5	57 F	7.6		--	--	--	--	--	--	--	3.0	--	--	--			21A
1525	5006		101	14 C		148								.08			16.0			
		3												5						
05/05/71	5001		11.0	61 F	7.5		--	--	--	--	.0	62	--	6.0	.0	--	--			16A
1630	5006		111	16 C		133					.00	1.02		.17	.00		16.0			
		3										77		13						
05/19/71	5001		10.2	64 F	7.5		--	--	--	--	--	--	--	6.0	--	--	--			19A
1625	5006		107	18 C		145								.17			14.0			
		3												12						
06/03/71	5001		9.4	64 F	7.3		--	--	--	--	.0	66	--	--	.4	--	--			11A
1640	5006		99	18 C		140					.00	1.08			.01		13.0			
		3										77			1					
06/16/71	5001		9.6	70 F	7.4		--	--	--	--	--	--	--	--	--	--	--			23A
1510	5006		107	21 C		133											15.0			
		3																		
07/01/71	5001		9.1	73 F	7.4		--	--	--	--	.0	55	--	7.0	.4	--	--			18A
1515	5006		105	23 C		125					.00	.90		.20	.01		15.0			
		3										72		16	1					
07/15/71	5001		8.7	73 F	7.6		--	--	--	--	--	--	--	7.0	--	--	--			12A
1445	5006		101	23 C		120								.20			15.0			
		3												17						
08/04/71	5001		8.9	75 F	7.7		--	--	--	--	.0	63	--	6.0	.4	--	--			17A
1755	5006		105	24 C		139					.00	1.03		.17	.01		16.0			
		3										74		12	1					
08/16/71	5001		8.6	75 F	7.5		--	--	--	--	--	--	--	7.0	--	--	--			14A
1605	5006		101	24 C		137								.20			16.0			
		3												15						
09/01/71	5001		9.5	72 F	8.0		--	--	--	--	.0	66	--	6.0	.4	--	--			16A
1800	5006		108	22 C		138					.00	1.08		.17	.01		16.0			
		3										78		12	1					
09/14/71	5001		8.9	73 F	7.7		--	--	--	--	--	--	--	6.0	--	--	--			14A
1715	5006		103	23 C		146								.17			15.0			
		3												12						
09/29/71	5001		9.5	63 F	7.6		--	--	--	--	14	44	--	5.0	.4	--	--			15A
1620	5006		98	17 C	9.5	136					.47	.72		.14	.01		15.0			
		3									35	53		10	1					
89 D 805.1 144.3	SACRAMENTO RIVER AT EMMATON																			
10/28/70	5001		9.7	64 F	7.5		--	--	--	--	--	--	--	--	--	--	--			19A
1330	5006		102	18 C		145											--			
		3																		
01/13/71	5001			46 F			--	--	--	--	--	--	--	--	--	--	--			
1125	5006			8 C		176											--			
02/10/71	5001			48 F			--	--	--	--	--	--	--	--	--	--	--			
0925	5006			9 C		171											--			
03/04/71	5001		11.5	50 F	6.9		--	--	--	--	--	--	--	--	--	--	--			17A
1045	5006		102	10 C		232											17.0			
		3																		
03/10/71	5001			50 F			--	--	--	--	--	--	--	--	--	--	--			
0900	5006			10 C		190											--			
04/14/71	5001			54 F			--	--	--	--	--	--	--	--	--	--	--			
0930	5006			12 C		124											--			
05/03/71	5050			59.1F		138	--	--	--	--	--	--	--	5.8	--	--	--			
1335	5050			15.0C		130								.16			--			
		6												12						

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. 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
89 O 805.1 144.3 SACRAMENTO RIVER AT EMMATON CONTINUED																				
05/04/71	5001		10.1	61 F	7.4		--	--	--	--	--	--	--	--	--	--	--			17A
1440	5006		102	16 C		130											16.0			
		3																		
05/12/71	5001			59 F			--	--	--	--	--	--	--	--	--	--	--			
0920	5006			15 C		141											--			
06/01/71	5050			62.0F		155	--	--	--	--	--	--	--	6.5	--	--	--			
1140	5050			16.7C		166								.18			--			
		6												11						
06/02/71	5001		10.0	63 F	7.5		--	--	--	--	--	--	--	--	--	--	--			11A
1405	5006		103	17 C		148											13.0			
		3																		
06/09/71	5001			64 F			--	--	--	--	--	--	--	--	--	--	--			
0910	5006			18 C		135											--			
06/30/71	5001		9.9	70 F	7.4		--	--	--	--	--	--	--	--	--	--	--			17A
1235	5006		110	21 C		129											15.0			
		3																		
07/06/71	5050			71.6F		145	--	--	--	--	--	--	--	9.1	--	--	--			
1035	5050			22.0C		140								.26			--			
		6												19						
07/14/71	5001			72 F			--	--	--	--	--	--	--	--	--	--	--			
0915	5006			22 C		155											--			
08/03/71	5050			71.0F		162	--	--	--	--	--	--	--	14	--	--	--			
0810	5050			21.6C		156								.39			--			
		6												25						
08/03/71	5001		9.4	73 F	7.9		--	--	--	--	--	--	--	--	--	--	--			17A
1700	5006		109	23 C		171											16.0			
		3																		
08/05/71	5050			72.8F		215	--	--	--	--	--	--	--	28	--	--	--			
1115	5050			22.6C		210								.79			--			
		6												38						
08/11/71	5001			73 F			--	--	--	--	--	--	--	--	--	--	--			
0940	5006			23 C		206											--			
08/30/71	5050			68.7F		160	--	--	--	--	--	--	--	9.6	--	--	--			
0835	5050			20.4C		150								.27			--			
		6												18						
08/31/71	5001		9.8	70 F	8.0		--	--	--	--	--	--	--	--	--	--	--			16A
1600	5006		109	21 C		172											15.0			
		3																		
09/08/71	5001			70 F			--	--	--	--	--	--	--	--	--	--	--			
0915	5006			21 C		155											--			
09/28/71	5001		9.4	64 F	7.6		--	--	--	--	--	--	--	--	--	--	--			17A
1355	5006		99	18 C		135											12.0			
		3																		
89 D 805.2 124.1 WHITE SLOUGH AT RIO BLANCO TRACT NEAR LODI																				
10/12/70	5001		3.5	64 F	7.1		38	19	53	10	.0	220	22	62	15.9	.20	--	406	173	29A
1115	5006		37	18 C		577	1.90	1.56	2.31	.26	.00	3.61	.46	1.75	.26		47.0	375	8	1.8
		3					32	26	38	4		59	8	29	4					
11/16/70	5001		4.0	57 F	6.9		--	--	--	--	--	--	--	--	--	--	--			22A
1045	5006		39	14 C		503											--			
		3																		
02/17/71	5001		7.6	54 F	6.9		--	--	--	--	--	--	--	--	--	--	--			29A
0925	5006		70	12 C		481											--			
		3																		
03/22/71	5001		12.9	63 F	7.7		--	--	--	--	--	--	--	--	--	--	--			22A
1120	5006		133	17 C		508											--			
		3																		
04/28/71	5001		9.8	61 F	7.4		16	8.0	17	3.4	.0	90	11	18	4.0	.00	--	162	73	17A
0915	5006		99	16 C		237	.80	.66	.74	.09	.00	1.48	.23	.51	.06		21.0	143	1	0.9
		3					35	29	32	4		65	10	22	3					
05/18/71	5001		12.2	64 F	7.4		--	--	--	--	--	--	--	--	--	--	--			23A
1015	5006		128	18 C		425											--			
		3																		
06/03/71	5001						--	--	--	--	--	--	--	--	--	--	--			
1000	5006					475											--			
		3																		
06/09/71	5001		5.7	68 F	7.4		--	--	--	--	--	--	--	--	--	--	--			22A
1002	5006		62	20 C		270											--			
		3																		
07/15/71	5001		4.6	77 F	7.3		30	15	38	6.9	.0	164	28	40	14.2	.30	--	300	137	35A
0945	5006		55	25 C		445	1.50	1.23	1.65	.18	.00	2.69	.58	1.13	.23		23.0	276	2	1.4
		3					33	27	36	4		58	13	24	5					
08/09/71	5001		4.5	79 F	7.5		--	--	--	--	--	--	--	--	.3	--	--			17A
0915	5006		55	26 C		277									.00		--			
		3																		
09/13/71	5001		0.0	73 F	7.0		--	--	--	--	--	--	--	--	.2	--	--			9A
0955	5006			23 C		588									.00		--			
		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					MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				
89 D 805.2 126.0 WHITE SLOUGH NEAR LODI																				
10/12/70	5001		8.3	64 F	7.3		12	6.5	12	2.0	.0	77	8.0	12	2.2	.00	--	103	57	27A
1045	5006		87	18 C		168	.60	.53	.52	.05	.00	1.26	.17	.34	.04		18.0	111	7	0.7
		3					35	31	31	3		70	9	19	2					
11/16/70	5001		8.2	57 F	6.9		--	--	--	--	--	--	--	--	--	--	--			18A
1005	5006		79	14 C		197											--			
		3																		
02/18/71	5001		10.5	54 F	6.9		--	--	--	--	--	--	--	--	--	--	--			26A
1015	5006		97	12 C		246											--			
		3																		
03/22/71	5001		9.7	57 F	7.1		--	--	--	--	--	--	--	--	--	--	--			22A
1040	5006		94	14 C		212											--			
04/29/71	5001		11.6	61 F	7.5		10	4.6	6.5	1.4	.0	55	7.0	5.0	.0	.00	--	79	44	16A
1010	5006		117	16 C		124	.50	.38	.28	.04	.00	.90	.15	.14	.00		15.0	77	1	0.4
		3					42	32	23	3		76	13	12						
05/19/71	5001		9.2	63 F	7.3		--	--	--	--	--	--	--	--	--	--	--			21A
1010	5006		95	17 C		228											--			
		3																		
06/04/71	5001						--	--	--	--	--	--	--	--	--	--	--			
1010	5006					154											--			
		3																		
06/10/71	5001		8.7	64 F	7.3		--	--	--	--	--	--	--	--	--	--	--			16A
1000	5006		91	18 C		131											--			
		3																		
07/16/71	5001		6.6	75 F	7.3		13	6.0	9.1	1.3	.0	63	12	12	.9	.00	--	112	57	25A
1000	5006		78	24 C		164	.65	.49	.40	.03	.00	1.03	.25	.34	.01		16.0	101	6	0.5
		3					41	31	25	2		63	15	21	1					
08/10/71	5001		7.0	77 F	7.5		--	--	--	--	--	--	--	--	.8	--	--			19A
0940	5006		84	25 C		180									.01		--			
		3													1					
09/14/71	5001		6.4	75 F	7.4		--	--	--	--	--	--	--	--	.1	--	--			20A
1100	5006		75	24 C		193									.00		--			
		3																		
89 D 805.8 140.1 SAN JOAQUIN RIVER AT TWITCHELL ISLAND																				
10/08/70	5001		10.0	64 F	7.4		--	--	--	--	--	--	--	--	--	--	--			15A
1515	5006		105	18 C		159											--			
		3																		
01/13/71	5001			46 F			--	--	--	--	--	--	--	--	--	--	--			
1100	5006			8 C		249											--			
02/10/71	5001			48 F			--	--	--	--	--	--	--	--	--	--	--			
0955	5006			9 C		227											--			
03/03/71	5001		11.9	50 F	6.7		--	--	--	--	--	--	--	--	--	--	--			20A
1025	5006		105	10 C		235											17.0			
		3																		
03/10/71	5001			50 F			--	--	--	--	--	--	--	--	--	--	--			
0935	5006			10 C		186											--			
05/05/71	5001		11.7	61 F	7.8		--	--	--	--	--	--	--	--	--	--	--			18A
1520	5006		118	16 C		131											15.0			
		3																		
05/12/71	5001			59 F			--	--	--	--	--	--	--	--	--	--	--			
1005	5006			15 C		144											--			
06/03/71	5001		9.7	64 F	7.5		--	--	--	--	--	--	--	--	--	--	--			11A
1535	5006		102	18 C		146											13.0			
		3																		
07/01/71	5001		10.0	72 F	7.6		--	--	--	--	--	--	--	--	--	--	--			16A
1415	5006		113	22 C		132											14.0			
		3																		
08/04/71	5001		9.4	75 F	7.8		--	--	--	--	--	--	--	--	--	--	--			19A
1650	5006		111	24 C		176											11.0			
		3																		
08/11/71	5001			73 F			--	--	--	--	--	--	--	--	--	--	--			
1020	5006			23 C		188											--			
09/01/71	5001		9.7	70 F	8.1		--	--	--	--	--	--	--	--	--	--	--			16A
1710	5006		108	21 C		163											13.0			
		3																		
09/29/71	5001		9.9	64 F	8.7		--	--	--	--	--	--	--	--	--	--	--			17A
1515	5006		104	18 C		144											9.4			
		3																		
89 D 806.4 142.0 THREE MILE SLOUGH AT SACRAMENTO RIVER																				
10/08/70	5001		10.3	64 F	7.4		--	--	--	--	--	--	--	--	--	--	--			11A
1350	5006		108	18 C		130											--			
		3																		

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. 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 808.7 141.5 SACRAMENTO RIVER AT RIO VISTA																					
06/02/71	5050	3.90	9.3	62 F	7.1	143		--	--	--	--	--	--	--	--	--	--	--			
0815			95	17 C														--			
89 D 808.8 126.1 SYCAMORE SLOUGH NEAR LODI																					
10/12/70	5001		0.8	63 F	7.0			24	9.0	23	8.7	--	--	10	14	--	.00	--	210	97	12A
1010	5006		8	17 C		308		1.20	.74	1.00	.22			.21	.39			20.0			1.0
		2						38	23	32	7			7	13						
11/16/70	5001		0.7	57 F	7.1			--	--	--	--	--	--	--	--	--	--	--			21A
0935	5006		7	14 C		513												--			
		3																			
02/18/71	5001		0.0	55 F	7.0			--	--	--	--	--	--	--	--	--	--	--			29A
1040	5006			13 C		785												--			
		3																			
03/22/71	5001		0.2	59 F	6.5			--	--	--	--	--	--	--	--	--	--	--			18A
1005	5006		2	15 C		295												--			
		3																			
04/29/71	5001		6.5	61 F	7.3			15	5.6	15	5.5	--	--	10	5.0	--	.00	--	133	61	14A
1050	5006		66	16 C		199		.75	.46	.65	.14			.21	.14			7.7			0.8
		3						38	23	33	7			11	7						
05/19/71	5001		8.3	68 F	7.4			--	--	--	--	--	--	--	--	--	--	--			16A
1050	5006		91	20 C		218												--			
		3																			
06/04/71	5001							--	--	--	--	--	--	--	--	--	--	--			
1025	5006					439												--			
		1																			
06/10/71	5001		4.0	72 F	6.9			--	--	--	--	--	--	--	--	--	--	--			15A
1045	5006		45	22 C		195												--			
		3																			
07/16/71	5001		6.8	77 F	7.2			14	5.2	10	3.5	--	--	10	8.0	--	.00	--	109	57	23A
1040	5006		82	25 C		166		.70	.43	.44	.09			.21	.23			1.0			0.6
		3						42	26	27	5			13	14						
08/10/71	5001		7.9	79 F	7.7			--	--	--	--	--	--	--	--	--	--	--			15A
1010	5006		96	26 C		178												--			
		3																			
09/14/71	5001		4.1	73 F	7.4			--	--	--	--	--	--	--	--	--	--	--			10A
1125	5006		47	23 C		286												--			
		2																			
89 D 809.6 141.1 SACRAMENTO RIVER AT RIO VISTA BRIDGE																					
10/07/70	5001		9.3	63 F	7.3			--	--	--	--	--	--	--	--	.5	--	--			14A
1240	5006		96	17 C		123										.01		16.0			
		3														1					
10/08/70	5001		9.8	64 F	7.4			--	--	--	--	--	--	--	--	--	--	--			15A
1410	5006		103	18 C		133												--			
		3																			
11/23/70	5001		7.0	55 F	7.2			--	--	--	--	--	--	--	--	.6	--	--			19A
1450	5006		66	13 C		137										.01		20.0			
		3														1					
01/13/71	5001			46 F				--	--	--	--	--	--	--	--	--	--	--			
1200	5006			8 C		157												--			
02/10/71	5001			50 F				--	--	--	--	--	--	--	--	--	--	--			
1235	5006			10 C		158												--			
03/04/71	5001		12.0	48 F	6.9			--	--	--	--	.0	82	--	--	.9	--	--			18A
1115	5006		104	9 C		188						.00	1.34			.01		17.0			
		3											71			1					
03/10/71	5001			52 F				--	--	--	--	--	--	--	--	--	--	--			
1240	5006			11 C		174												--			
03/23/71	5001		11.0	54 F	7.1			--	--	--	--	.0	71	--	--	--	--	--			27A
1340	5006		102	12 C		154						.00	1.16					13.0			
		3											75								
04/06/71	5001		10.4	59 F	7.8			--	--	--	--	.0	76	--	--	.4	--	--			55A
1715	5006		103	15 C		156						.00	1.25			.01		17.0			
		3											80			1					
04/20/71	5001		10.8	55 F	7.3			--	--	--	--	--	--	--	--	--	--	--			21A
1200	5006		102	13 C		124												17.0			
		3																			
05/04/71	5001		9.6	59 F	7.1			--	--	--	--	.0	63	--	--	.3	--	--			19A
1510	5006		95	15 C		136						.00	1.03			.00		17.0			
		3											76								
05/12/71	5001			59 F				--	--	--	--	--	--	--	--	--	--	--			
1300	5006			15 C		175												--			
05/18/71	5001		9.5	61 F	7.4			--	--	--	--	--	--	--	--	--	--	--			11A
1205	5006		96	16 C		145												17.0			
		3																			
06/02/71	5001		9.9	61 F	7.4			--	--	--	--	.0	64	--	--	.5	--	--			12A
1435	5006		100	16 C		141						.00	1.05			.01		13.0			
		3											74			1					

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			
89 D 809.6 141.1	SACRAMENTO RIVER AT RIO VISTA BRIDGE													CONTINUED						
06/15/71	5001		9.6	66 F	7.0		--	--	--	--	--	--	--	--	--	--	--			15A
1130	5006		103	19 C		132											16.0			
		3																		
06/30/71	5001		9.1	68 F	7.3		--	--	--	--	.0	54	--	--	.4	--	--			13A
1310	5006		99	20 C		125					.00	.89			.01		15.0			
		3										71			1					
07/14/71	5001		9.0	72 F	7.4		--	--	--	--	--	--	--	--	--	--	--			12A
1005	5006		102	22 C		124											14.0			
		3																		
08/03/71	5001		9.1	73 F	7.7		--	--	--	--	.0	62	--	--	.0	--	--			15A
1730	5006		105	23 C		139					.00	1.02			.00		17.0			
		3										73								
08/11/71	5001			75 F			--	--	--	--	--	--	--	--	--	--	--			
1450	5006			24 C		136											--			
08/16/71	5001		8.7	73 F	7.4		--	--	--	--	--	--	--	--	--	--	--			12A
1425	5006		101	23 C		128											17.0			
		3																		
08/31/71	5001		9.6	70 F	7.7		--	--	--	--	.0	67	--	--	.4	--	--			10A
1625	5006		107	21 C		140					.00	1.10			.01		15.0			
		3										79			1					
09/14/71	5001		8.8	72 F	7.7		--	--	--	--	--	--	--	--	--	--	--			13A
1525	5006		100	22 C		155											16.0			
		3																		
09/28/71	5001		9.0	64 F	7.5		--	--	--	--	12	40	--	--	.4	--	--			11A
1420	5006		95	18 C		127					.40	.66			.01		12.0			
		3									31	52			1					
89 D 810.1 127.9	HOG SLOUGH NEAR THORNTON																			
10/14/70	5001		8.6	66 F	7.4		18	10	20	2.5	.0	82	8.0	42	.4	.00	--	184	86	18A
1245	5006		92	19 C		288	.90	.82	.87	.06	.00	1.34	.17	1.18	.01		15.0	156	19	0.9
		3					34	31	33	2		50	6	44						
11/17/70	5001		7.3	57 F	7.3		--	--	--	--	--	--	--	--	--	--	--			12A
0940	5006		71	14 C		671											--			
		3																		
02/18/71	5001		10.4	54 F	7.6		--	--	--	--	--	--	--	--	--	--	--			18A
1135	5006		96	12 C		759											--			
		3																		
03/23/71	5001		10.9	61 F	7.8		--	--	--	--	--	--	--	--	--	--	--			21A
1135	5006		110	16 C		531											--			
		3																		
04/29/71	5001		9.5	59 F	7.7		24	13	28	2.4	.0	86	9.0	65	.4	.00	--	237	114	21A
1150	5006		94	15 C		378	1.20	1.07	1.22	.06	.00	1.41	.19	1.83	.01		15.0	199	43	1.1
		3					34	30	34	2		41	6	53						
05/19/71	5001		8.5	66 F	7.3		--	--	--	--	--	--	--	--	--	--	--			18A
1120	5006		91	19 C		348											--			
		3																		
06/04/71	5001						--	--	--	--	--	--	--	--	--	--	--			
1045	5006					270											--			
		3																		
06/10/71	5001		8.6	70 F	7.1		--	--	--	--	--	--	--	--	--	--	--			21A
1125	5006		96	21 C		227											--			
		3																		
07/16/71	5001		7.8	79 F	7.7		26	13	26	3.0	.0	82	25	65	.0	.00	--	234	119	19A
1120	5006		95	26 C		376	1.30	1.07	1.13	.08	.00	1.34	.52	1.83	.00		15.0	213	52	1.0
		3					36	30	32	2		36	14	50						
08/10/71	5001		5.4	79 F	7.6		--	--	--	--	--	--	--	--	.2	--	--			21A
1055	5006		66	26 C		281									.00		--			
		3																		
09/14/71	5001		2.8	75 F	7.0		--	--	--	--	--	--	--	--	.1	--	--			12A
1205	5006		33	24 C		218									.00		--			
		3																		
89 D 811.0 139.3	STEAMBOAT SLOUGH ABOVE CACHE SLOUGH																			
10/08/70	5001		9.5	64 F	7.2		--	--	--	--	--	--	--	--	--	--	--			12A
1435	5006		100	18 C		128											--			
		3																		
89 D 812.3 126.8	BEAVER SLOUGH NEAR THORNTON																			
10/14/70	5001		9.8	64 F	8.1		12	3.2	3.3	7.8	.0	49	5.0	6.0	.0	.00	--	70	33	16A
1320	5006		103	18 C		99	.60	.26	.14	.20	.00	.80	.10	.17	.00		12.0	73	3	0.2
		3					50	22	12	17		75	9	16						
11/17/70	5001		5.0	57 F	6.7		--	--	--	--	--	--	--	--	--	--	--			15A
1010	5006		48	14 C		177											--			
		3																		
02/18/71	5001		6.8	54 F	7.2		--	--	--	--	--	--	--	--	--	--	--			23A
1230	5006		63	12 C		474											--			
		3																		
03/23/71	5001		9.9	59 F	7.4		--	--	--	--	--	--	--	--	--	--	--			14A
1205	5006		98	15 C		299											--			
		3																		
04/29/71	5001		10.6	61 F	7.6		14	7.4	14	3.0	.0	68	7.0	24	.4	.00	--	131	66	17A
1250	5006		107	16 C		209	.70	.61	.61	.08	.00	1.11	.15	.68	.01		5.5	109	10	0.8
		3					35	31	31	4		57	8	35	1					

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. 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
		89 0 812.3 126.8			BEAVER SLOUGH NEAR THORNTON									CONTINUED						
05/19/71	5001		9.3	66	F 7.9		--	--	--	--	--	--	--	--	--	--	--			16A
1145	5006		100	19	C	234											--			
		3																		
06/04/71	5001						--	--	--	--	--	--	--	--	--	--	--			
1105	5006					177											--			
		3																		
06/10/71	5001		7.2	70	F 7.6		--	--	--	--	--	--	--	--	--	--	--			29A
1215	5006		80	21	C	220											--			
		3																		
07/16/71	5001		8.9	77	F 7.2		13	6.0	9.2	2.0	.0	59	10	14	.0	.00	--	104	57	19A
1200	5006		107	25	C	376	.65	.49	.40	.05	.00	.97	.21	.39	.00		12.0	95	9	0.5
		3					41	31	25	3		62	13	25						
08/10/71	5001		8.2	79	F 8.0		--	--	--	--	--	--	--	--	.0	--	--			14A
1130	5006		100	26	C	144									.00		--			
		3																		
09/14/71	5001		7.3	77	F 7.2		--	--	--	--	--	--	--	--	.2	--	--			60A
1255	5006		88	25	C	254									.00		--			
		3																		
		89 0 814.5 130.8			SACRAMENTO RIVER AT WALNUT GROVE															
05/20/71	5050	2.86	9.7	62	F 7.4	120	--	--	--	--	--	--	--	--	--	--	--			
1445			99	17	C												--			
		89 0 815.3 126.3			MOKELUMNE RIVER NEAR THORNTON															
10/14/70	5001		10.6	59	F 7.0		5.0	1.5	2.0	1.1	--	23	3.0	3.0	.0	.00	--	37	19	4A
1400	5006		105	15	C	52	.25	.12	.09	.03		.38	.06	.08	.00		11.0			0.2
		3					51	24	18	6		73	12	15						
11/17/70	5001		10.7	55	F 6.7		--	--	--	--	--	--	--	--	--	--	--			6A
1040	5006		101	13	C	55											--			
		3																		
02/18/71	5001		12.1	50	F 7.0		--	--	--	--	--	--	--	--	--	--	--			5A
1300	5006		107	10	C	62											--			
		3																		
03/23/71	5001		11.0	55	F 6.9		--	--	--	--	--	--	--	--	--	--	--			8A
1235	5006		104	13	C	73											--			
		3																		
04/29/71	5001		9.8	61	F 7.2		6.2	2.3	3.0	1.1	.0	33	4.0	--	.0	.00	--	55	25	6A
1325	5006		99	16	C	63	.31	.19	.13	.03	.00	.54	.08		.00		15.0		2	0.3
		3					47	29	20	5		86	13							
05/19/71	5001		9.6	63	F 7.5		--	--	--	--	--	--	--	--	--	--	--			10A
1245	5006		99	17	C	52											--			
		3																		
06/04/71	5001						--	--	--	--	--	--	--	--	--	--	--			
1115	5006					57											--			
		3																		
06/10/71	5001		8.8	68	F 7.5		--	--	--	--	--	--	--	--	--	--	--			7A
1315	5006		96	20	C	59											--			
		3																		
07/16/71	5001		9.0	72	F 6.8		4.4	2.6	2.4	1.1	.0	25	4.0	2.0	.0	.00	--	37	22	7A
1250	5006		102	22	C	54	.22	.21	.10	.03	.00	.41	.08	.06	.00		9.5	38	1	0.2
		3					39	38	18	5		75	15	11						
08/10/71	5001		8.3	77	F 7.8		--	--	--	--	--	--	--	--	.0	--	--			11A
1215	5006		100	25	C	126									.00		--			
		3																		
09/14/71	5001		9.9	64	F 6.8		--	--	--	--	--	--	--	--	.1	--	--			5A
1325	5006		104	18	C	57									.00		--			
		3																		
		89 0 816.6 129.8			SNODGRASS SLOUGH AT TWIN CITIES RD 8R N WALNUT GROVE															
10/14/70	5001		8.4	64	F 6.8		11	6.1	7.5	1.5	.0	70	7.0	6.0	.4	.00	--	85	53	21A
1435	5006		88	18	C	143	.55	.50	.33	.04	.00	1.15	.15	.17	.01		16.0	90	5	0.5
		3					39	35	23	3		78	10	11	1					
11/17/70	5001		7.8	57	F 6.9		--	--	--	--	--	--	--	--	--	--	--			22A
1130	5006		75	14	C	162											--			
		3																		
02/18/71	5001		9.5	54	F 7.1		--	--	--	--	--	--	--	--	--	--	--			22A
1340	5006		88	12	C	294											--			
		3																		
03/23/71	5001		11.2	57	F 7.6		--	--	--	--	--	--	--	--	--	--	--			18A
1310	5006		108	14	C	309											--			
		3																		
04/29/71	5001		9.8	61	F 7.4		11	5.8	8.2	1.6	.0	59	10	7.0	.0	.00	--	105	52	16A
1420	5006		99	16	C	145	.55	.48	.36	.04	.00	.97	.21	.20	.00		15.0	88	3	0.5
		3					38	34	25	3		70	15	14						
05/19/71	5001		7.6	64	F 7.5		--	--	--	--	--	--	--	--	--	--	--			24A
0900	5006		80	18	C	188											--			
		3																		
05/19/71	5001		8.5	66	F 7.5		--	--	--	--	--	--	--	--	--	--	--			27A
1325	5006		91	19	C	130											--			
		3																		
06/04/71	5001						--	--	--	--	--	--	--	--	--	--	--			
1130	5006					157											--			
		3																		

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				
B9 D 816.6 129.8 SNODGRASS SLOUGH AT TWIN CITIES RD BR N WALNUT GROVE CONTINUED																				
06/10/71	5001		8.2	68 F	7.6		--	--	--	--	--	--	--	--	--	--	--			16A
1400	5006		90	20 C		139											--			
		3																		
07/16/71	5001		8.3	77 F	7.0		11	5.2	7.8	1.3	.0	62	10	6.0	.5	.00	--	90	49	19A
1345	5006		100	25 C		131	.55	.43	.34	.03	.00	1.02	.21	.17	.01		15.0	87	2	0.5
		3					41	32	25	2		72	15	12	1					
08/10/71	5001		6.5	77 F	7.5		--	--	--	--	--	--	--	--	.4	--	--			22A
1300	5006		78	25 C		143									.01		--			
		3													1					
09/14/71	5001		7.3	77 F	7.3		--	--	--	--	--	--	--	--	.2	--	--			15A
1400	5006		88	25 C		159									.00		--			
		3																		
B9 D 819.1 130.1 SNODGRASS SLOUGH AT SOUTHERN PACIFIC RR BRIDGE																				
10/14/70	5001		7.0	64 F	7.0		13	7.5	10	1.7	.0	84	9.0	9.0	.4	.00	--	102	64	27A
1505	5006		74	18 C		176	.65	.62	.44	.04	.00	1.38	.19	.25	.01		16.0	108	6	0.5
		3					37	35	25	2		75	10	14	1					
11/17/70	5001		6.0	57 F	7.0		--	--	--	--	--	--	--	--	--	--	--			14A
1200	5006		58	14 C		253											--			
		3																		
02/18/71	5001		9.1	55 F	7.3		--	--	--	--	--	--	--	--	--	--	--			19A
1400	5006		86	13 C		429											--			
		3																		
03/23/71	5001		10.4	57 F	7.6		--	--	--	--	--	--	--	--	--	--	--			17A
1345	5006		101	14 C		454											--			
		2																		
04/29/71	5001		11.9	63 F	8.3		24	14	22	2.3	.0	112	30	32	.0	.00	--	219	118	15A
1505	5006		122	17 C		338	1.20	1.15	.96	.06	.00	1.84	.62	.90	.00		20.0	199	26	0.9
		3					36	34	28	2		55	18	27						
05/19/71	5001		7.9	68 F	7.7		--	--	--	--	--	--	--	--	--	--	--			17A
1345	5006		86	20 C		322											--			
		3																		
06/04/71	5001						--	--	--	--	--	--	--	--	--	--	--			
1145	5006					233											--			
		2																		
06/10/71	5001		8.4	70 F	7.6		--	--	--	--	--	--	--	--	--	--	--			16A
1430	5006		94	21 C		217											--			
		3																		
07/16/71	5001		7.8	77 F	7.4		15	8.0	10	1.4	.0	70	20	13	1.4	.00	--	119	71	20A
1425	5006		94	25 C		189	.75	.66	.44	.04	.00	1.15	.42	.37	.02		17.0	120	13	0.5
		3					40	35	23	2		59	21	19	1					
08/10/71	5001		6.2	79 F	7.5		--	--	--	--	--	--	--	--	1.0	--	--			19A
1335	5006		76	26 C		179									.02		--			
		3													1					
09/14/71	5001		3.0	77 F	7.1		--	--	--	--	--	--	--	--	.1	--	--			7A
1440	5006		36	25 C		198									.00		--			
		3																		
B9 D 820.7 132.7 SACRAMENTO RIVER AT GREENES LANDING																				
10/07/70	5001		9.4	63 F	7.2		--	--	--	--	--	--	--	--	--	--	--			10A
1400	5006		97	17 C		120											--			
		3																		
01/13/71	5001			46 F	7.7		--	--	--	--	.0	61	--	--	--	--	--			
1405	5006			8 C		120					.00	1.00					--			
												83								
02/10/71	5001			50 F	7.7		--	--	--	--	.0	69	--	--	--	--	--			
1145	5006			10 C		132					.00	1.13					--			
												86								
03/05/71	5001		12.4	50 F	7.9		--	--	--	--	--	--	--	--	--	--	--			14A
1430	5006		110	10 C		158											18.0			
		3																		
03/10/71	5001			50 F	7.7		--	--	--	--	.0	71	--	--	--	--	--			
1115	5006			10 C		146					.00	1.16					--			
												79								
04/06/71	5001		10.7	55 F	6.9		--	--	--	--	--	--	--	--	--	--	--			45A
1425	5006		101	13 C		128											--			
		3																		
04/14/71	5001			54 F			--	--	--	--	--	--	--	--	--	--	--			
1130	5006			12 C		112											--			
05/04/71	5001		9.5	59 F	7.2		--	--	--	--	--	--	--	--	--	--	--			11A
1640	5006		94	15 C		142											16.0			
		3																		
05/12/71	5001			59 F	7.7		--	--	--	--	.0	62	--	--	--	--	--			
1145	5006			15 C		127					.00	1.02					--			
												80								
06/02/71	5001		10.5	61 F	7.5		--	--	--	--	--	--	--	--	--	--	--			12A
1650	5006		106	16 C		139											14.0			
		3																		
06/09/71	5001			64 F			--	--	--	--	--	--	--	--	--	--	--			
1120	5006			18 C		215											--			

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	OD 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			
89 D 820.7 132.7 SACRAMENTO RIVER AT GREENES LANDING CONTINUED																				
06/16/71	5050		8.8	68.0F	7.3	117	--	--	--	--	--	--	--	--	--	--	--			
1235			96	20.0C													--			
		1.6																		
06/30/71	5001		9.2	68 F	7.6		--	--	--	--	--	--	--	--	--	--	--			20A
1440	5006		101	20 C		132											16.0			
		3																		
07/14/71	5001			72 F			--	--	--	--	--	--	--	--	--	--	--			
1145	5006			22 C		113											--			
07/21/71	5050		8.3	72.3F	7.3	121	9.7	4.4	6.7	1.0	.0	57	6.5	3.5	.3	.06	.1		42	20A
1140	5000		95	22.4C	8.0	114	.48	.36	.29	.03	.00	.93	.14	.10	.00		17.0	77	5	0.4
		1.5					41	31	25	3		79	12	9						
08/03/71	5001		8.0	79 F	7.1		--	--	--	--	--	--	--	--	--	--	--			10A
1835	5006		98	26 C		141											18.0			
		3																		
08/11/71	5001			73 F	7.7		--	--	--	--	.0	71	--	--	--	--	--			
1240	5006			23 C		128					.00	1.16					--			
												91								
08/24/71	5050		8.0	70.8F	7.3	150	11	5.9	10	.7	.0	73	9.3	6.8	.5	.05	.4		52	20A
1330	5000		90	21.5C	7.4	142	.55	.49	.44	.02	.00	1.20	.19	.19	.01		18.0	98	8	0.6
		1.5					37	33	29	1		75	12	12	1					
08/31/71	5001		9.2	68 F	7.2		--	--	--	--	--	--	--	--	--	--	--			10A
1235	5006		101	20 C		141											13.0			
		3																		
09/08/71	5001			66 F			--	--	--	--	--	--	--	--	--	--	--			
1215	5006			19 C		197											--			
09/16/71	5050		8.2	68.2F	7.3	160	11	6.0	9.3	1.2	.0	79	7.5	6.7	.3	.09	.1		52	20A
1140	5000		90	20.1C	7.2	148	.55	.49	.40	.03	.00	1.29	.16	.19	.00		18.0	99	13	0.6
		0.5					37	33	27	2		79	10	12						
09/28/71	5001		9.7	61 F	7.0		--	--	--	--	--	--	--	--	--	--	--			7A
0915	5006		98	16 C		114											20.0			
		3																		
89 D 827.3 130.0 SACRAMENTO RIVER AT FREEPORT																				
10/07/70	5050		9.5	62.1F	7.3	123	10	4.9	6.3	1.1	.0	58	5.0	3.5	.8	.11	.1		45	12A
1150	5000		97	16.7C	7.1	120	.50	.40	.27	.03	.00	.95	.10	.10	.01		12.0	72	3	0.4
							42	33	23	3		82	9	9	1					
10/07/70	5050		9.5	62.1F	7.3	123	--	--	--	--	--	--	--	--	--	--	--			10
1155	5050		97	16.7C		120											--			
10/20/70	5050		10.0	60 F	7.3	118	--	--	--	--	--	--	--	--	--	--	--			8E
1245	5050		100	16 C		124											--			
11/05/70	5050		9.9	57.1F	7.3	123	9.2	4.7	6.2	1.3	.0	57	4.0	3.0	1.4	.00	.1		42	6A
1125	5000		96	13.9C	7.4	114	.46	.39	.27	.03	.00	.93	.08	.08	.02		28.0	86	4	0.4
		2					40	34	23	3		84	7	7	2					
11/05/70	5050		9.9	57.1F	7.3	123	--	--	--	--	--	--	--	--	--	--	--			10E
1130	5050		96	13.9C		118											--			
		2																		
11/17/70	5050		10.1	54.0F	7.2	150	--	--	--	--	--	--	--	--	--	--	--			30E
0810	5050		94	12.2C		137											--			
12/09/70	5050		10.1	51.1F	7.3	123	9.3	4.5	5.9	1.4	.0	52	5.0	2.9	1.3	.00	.1		42	55A
1225	5000		90	10.6C	6.9	113	.46	.37	.26	.04	.00	.85	.10	.08	.02		17.0	73	1	0.4
		2					41	33	23	4		81	10	8	2					
12/09/70	5050		10.1	51.1F	7.3	123	--	--	--	--	--	--	--	--	--	--	--			80E
1230	5050		90	10.6C		113											--			
		0.5																		
12/21/70	5050		11.0	46 F	7.5	135	--	--	--	--	--	--	--	--	--	--	--			55E
0900	5050		92	8 C		133											--			
01/06/71	5050		12.1	44.0F	7.3	150	10	5.5	7.3	1.1	.0	58	9.0	3.2	1.1	.15	.1		48	28A
1300	5000		101	6.7C	7.1	134	.50	.45	.32	.03	.00	.95	.19	.09	.02		18.0	84	0	0.5
		0.5					38	35	25	2		76	15	7	2					
01/06/71	5050		12.1	44.0F	7.3	150	--	--	--	--	--	--	--	--	--	--	--			35E
1305	5050		99	6.7C		138											--			
		0.5																		
02/18/71	5050		11.0	51.8F	7.3	143	11	6.2	6.6	1.0	.0	63	7.0	4.1	.9	.00	.1		53	
1200	5000		99	11.0C	6.8	134	.55	.51	.29	.03	.00	1.03	.15	.12	.01		17.0	85	2	0.4
		0.5					40	37	21	2		79	11	9	1					
02/18/71	5050		11.0	51.8F	7.3	143	--	--	--	--	--	--	--	--	--	--	--	68		25E
1205	5050		99	11.0C		134											--			
		2																		
03/17/71	5050		11.0	49.8F	7.3	122	10	4.6	5.5	1.1	--	54	6.8	3.3	.9	.05	.1		44	40A
0800	5000		97	9.9C	7.7	113	.50	.38	.24	.03		.89	.14	.09	.01		16.0			0.4
		2					43	33	21	3		79	12	8	1					
03/17/71	5050		11.0	49.8F	7.3	122	--	--	--	--	--	--	--	--	--	--	--			
0805			97	9.9C													--			
		2																		
04/21/71	5050		10.5	55.0F	7.3	105	11	5.0	5.7	1.0	--	58	5.5	4.5	.9	.06	.0		48	20A
1330	5000		99	12.8C	7.5	117	.55	.41	.25	.03		.95	.11	.13	.01		17.0			0.4
		1.5					44	33	20	2		81	9	11	1					

TABLE 0-2 (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			
89 0 827.3 130.0 SACRAMENTO RIVER AT FREEPORT CONTINUED																				
04/21/71	5050		10.5	55.0F	7.3	105	--	--	--	--	--	--	--	--	--	--	--			
1335			99	12.8C													--			
		1.5																		
05/19/71	5050		9.7	60.2F	7.3	128	10	4.9	6.8	.6	.0	66	1.5	4.4	.8	.03	.2		45	20A
1100	5000		97	15.7C	8.2	118	.50	.40	.30	.02	.00	1.08	.03	.12	.01		19.0	80	9	0.4
		1					41	33	25	2		87	2	10	1					
05/19/71	5050		9.7	60.2F	7.3	128	--	--	--	--	--	--	--	--	--	--	--			
1105			97	15.7C													--			
		2																		
06/16/71	5050		9.1	68.0F	7.3	118	9.6	4.5	6.6	.8	.0	58	7.0	3.5	.4	.04	.3		42	7A
1145	5000		99	20.0C	7.0	118	.48	.37	.29	.02	.00	.95	.15	.10	.01		18.0	79	5	0.4
		1					41	32	25	2		79	12	8	1					
06/16/71	5050		9.1	68.0F	7.3	118	--	--	--	--	--	--	--	--	--	--	--			
1150			99	20.0C													--			
G4 1590.01 SUSAN RIVER NEAR LITCHFIELD																				
10/07/70	5050		7.6	52 F	8.4		--	--	51	--	.0	235	--	9.0	--	.10	--		124	4E
1115	5050	39	69	11 C	8.2	416			2.22		.00	3.85		.25			--			
									53			93		6						
11/17/70	5050		10.0	46.4F	8.4		--	--	48	--	.0	226	--	8.9	--	.10	--		120	25E
1500	5050	50	84	8.0C	8.3	409			2.09		.00	3.70		.25			--			
									51			90		6						
12/15/70	5050		12.0	39.2F	8.4		--	--	38	--	.0	190	--	8.2	--	.10	--		103	10E
1530	5050	90	91	4.0C	7.8	354			1.65		.00	3.11		.23			--			
									47			88		6						
01/14/71	5050		12.2	32 F	7.4		--	--	31	--	.0	138	--	10	--	.20	--		89	35E
0830	5050	90	83	0 C	7.9	286			1.35		.00	2.26		.28			--			
									47			79		10						
02/18/71	5050		11.6	37 F	8.0		--	--	32	--	.0	154	--	9.0	--	.10	--		106	20E
1000	5050	130	85	3 C	8.2	306			1.39		.00	2.52		.25			--			
									45			82		8						
03/16/71	5050		10.2	45 F	7.7		--	--	30	--	.0	128	--	7.7	--	.20	--		77	110E
1330	5050	230	84	7 C	7.9	263			1.31		.00	2.10		.22			--			
									50			80		8						
04/14/71	5050		10.1	46 F	7.6		--	--	13	--	.0	88	--	3.8	--	.10	--		88	40E
0945	5050	320	85	8 C	7.8	170			.57		.00	1.44		.11			--			
									34			85		6						
05/11/71	5050		10.1	56.3F	7.9		10	4.4	17	1.3	.0	75	10	4.2	.4	.00	--	112	44	12E
1400	5050	610	97	13.5C	7.9	168	.50	.36	.74	.03	.00	1.23	.21	.12	.01		--	84	19	1.1
							31	22	45	2		78	13	8	1					
06/04/71	5050		9.5	54.5F	7.8		--	--	22	--	.0	117	--	4.8	--	.10	--		65	70E
1005	5050	460	89	12.5C	8.1	223			.96		.00	1.92		.14			--			
									43			86		6						
07/07/71	5050		7.8	77 F	8.1		--	--	70	--	.0	249	--	12	--	.20	--		115	20E
1520	5050	96	94	25 C	8.3	495			3.05		.00	4.08		.34			--			
									62			82		7						
08/06/71	5050		8.2	72 F	8.1		--	--	54	--	.0	223	--	9.4	--	.20	--		127	7E
1000	5050	120	93	22 C	8.1	443			2.35		.00	3.65		.27			--			
									53			82		6						
09/22/71	5050		11.0	63.5F	8.3		25	14	54	6.8	2.0	237	38	9.2	.6	.10	--	301	122	6E
1430	5050	46	114	17.5C	8.4	477	1.25	1.15	2.35	.17	.07	3.88	.79	.26	.01		--	266	78	2.1
							25	23	48	3	1	77	16	5						
G4 1600.00 SUSAN RIVER AT SUSANVILLE																				
10/07/70	5050	1.12	10.5	52 F	8.1		14	12	6.2	1.9	.0	111	.0	1.9	.0	.00	--	122	83	5E
1415	5050	9.0	95	11 C	8.3	174	.70	.99	.27	.05	.00	1.82	.00	.05	.00		--	91	7	0.3
							35	49	13	2		97		3						
11/17/70	5050	1.31	11.5	41.0F	7.4		--	--	5.3	--	.0	81	--	1.2	--	.00	--		67	4E
1540	5050	15	90	5.0C	8.0	152			.23		.00	1.33		.03			--			
									15			87		2						
12/15/70	5050	1.77	12.3	35.6F	7.5		--	--	5.1	--	.0	79	--	1.3	--	.00	--		60	3E
1610	5050	40	89	2.0C	7.6	134			.22		.00	1.29		.04			--			
									16			96		3						
01/14/71	5050	1.97	12.7	33 F	7.1		--	--	3.8	--	.0	73	--	3.5	--	.00	--		65	7E
1015	5050	55	88	1 C	8.1	130			.17		.00	1.20		.10			--			
									13			92		8						
02/18/71	5050	2.21	12.9	34 F	7.5		--	--	4.0	--	.0	66	--	2.4	--	.00	--		49	5E
1150	5050	87	90	1 C	7.8	113			.17		.00	1.08		.07			--			
									15			96		6						
03/16/71	5050	2.40	11.2	42 F	7.5		--	--	4.3	--	.0	64	--	1.5	--	.10	--		48	10E
1415	5050	116	89	6 C	7.7	111			.19		.00	1.05		.04			--			
									17			95		4						
04/14/71	5050	3.20	10.9	43 F	7.3		--	--	2.4	--	.0	51	--	.5	--	.00	--		39	8E
1050	5050	281	88	6 C	7.7	86			.10		.00	.84		.01			--			
									12			98		1						
05/11/71	5050	4.02	10.3	54.5F	7.1		--	--	2.2	--	.0	35	--	.0	--	.00	--		26	9E
1445	5050	559	96	12.5C	7.6	63			.10		.00	.57		.00			--			
									16			90								
06/04/71	5050	3.35	10.8	50 F	7.3		--	--	2.5	--	.0	43	--	.0	--	.00	--		31	7E
1115	5050	322	95	10 C	7.3	73			.11		.00	.70		.00			--			
									15			96								

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									B	F SIO2	TDS SUM	TH NCH	TURB SAR
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3					
G4		1600.00			SUSAN RIVER AT SUSANVILLE									CONTINUED						
07/07/71	5050	2.14	8.2	70 F	7.8		9.3	4.1	3.2	1.2	.0	57	.5	.1	.1	.00	--	67	40	1E
1620	5050	72	91	21 C	7.9	99	.46	.34	.14	.03	.00	.93	.01	.00	.00		--	47	7	0.2
							47	35	14	3		99	1							
08/06/71	5050		8.5	68 F	7.6		--	--	2.3	--	.0	41	--	.6	--	.00	--		31	7E
1130	5050	91	93	20 C	7.1	70			.10		.00	.67		.02			--			
									14			96		3						
09/22/71	5050	1.27	9.8	57 F	7.9		--	--	5.8	--	.0	99	--	1.0	--	.00	--		73	2E
1545	5050	14	95	14 C	7.8	160			.25		.00	1.62		.03			--			
									16			101		2						
G6		1705.00			LONG VALLEY CREEK NEAR HALLELUJAH JUNCTION															
03/16/71	5050	3.02	8.8	45 F	8.1		--	--	16	--	.0	143	--	2.3	--	.10	--		93	40E
1540	5050	33	73	7 C	8.2	234			.70		.00	2.34		.06			--			
									30			100		3						
05/12/71	5050		11.2	45.5F	7.7		--	--	7.8	--	.0	87	--	.0	--	.10	--		63	110E
0750	5050	130	93	7.5C	7.7	147			.34		.00	1.43		.00			--			
									23			97								
07/08/71	5050	3.08	9.2	61 F	7.9		--	--	14	--	.0	136	--	1.7	--	.00	--		94	3E
0915	5050	23	93	16 C	7.9	246			.61		.00	2.23		.05			--			
									25			91		2						
09/23/71	5050	2.29	10.5	55 F	7.9		24	11	17	3.8	.0	171	.0	3.0	.0	.10	--	186	106	3E
0800	5050	1.4	99	13 C	8.2	283	1.20	.90	.74	.10	.00	2.80	.00	.08	.00		--	143	35	0.7
							41	31	25	3		97		3						
G7 L 856.4		000.6			LAKE TAHOE NEAR TAHOE KEYS (L-1)															
11/17/70	5050		9.4	47.7F	7.8	93	--	--	--	--	--	--	--	--	--	--	--			0.1A
1300			81	8.7C													--			
		2																		
11/18/70	5050						--	--	--	--	--	--	--	1.4	--	--	--			
1235	5050													.04			--			
		2																		
05/12/71	5050						--	--	--	--	--	--	--	1.3	--	--	--			
1125	5050					88								.04			--			
														5						
08/18/71	5050		7.6	68.0F	7.7	91	--	--	--	--	--	--	--	1.8	--	--	--			
1025	5050		83	20.0C		92								.05			--			
														5						
G7 L 856.5		003.3			LAKE TAHOE NEAR TAYLOR CREEK (L-6)															
11/17/70	5050		9.0	50.0F	7.7	93	--	--	--	--	--	--	--	--	--	--	--			0.2A
1325			80	10.0C													--			
		2																		
11/18/70	5050						--	--	--	--	--	--	--	1.6	--	--	--			
1245	5050													.05			--			
		2																		
05/12/71	5050						--	--	--	--	--	--	--	.9	--	--	--			
1140	5050					78								.03			--			
														4						
G7 L 856.5		003.4			LAKE TAHOE NEAR CAMP RICHARDSON (S-6)															
08/18/71	5050		7.2	69.0F	7.3	77	--	--	--	--	--	--	--	1.4	--	--	--			
1055	5050		80	20.5C		90								.04			--			
														4						
G7 L 857.0		958.0 2			LAKE TAHOE AT SURF AND SANDS PIER (CONNOLLYS) S-10															
08/18/71	5050		7.2	69.3F	7.5	97	--	--	--	--	--	--	--	2.8	--	--	--			
0830	5050		80	20.7C		92								.08			--			
														9						
G7 L 900.0		000.0			LAKE TAHOE - SOUTH CENTER (C-1)															
11/17/70	5050		9.1	49.1F	7.9	93	--	--	--	--	--	--	--	--	--	--	--			0.12A
1005			79	9.5C													--			
		2																		
11/17/70	5050		9.8	43.2F	7.5	92	--	--	--	--	--	--	--	--	--	--	--			0.10A
1010			79	6.2C													--			
		328																		
11/18/70	5050						--	--	--	--	--	--	--	.7	--	--	--			
1150	5050													.02			--			
		2																		
05/12/71	5050						--	--	--	--	--	--	--	1.8	--	--	--			
1035	5050					91								.05			--			
														5						
08/18/71	5050		7.4	68.0F	7.8	94	--	--	--	--	--	--	--	2.4	--	--	--			
0930	5050		81	20.0C		91								.07			--			
														8						
G7 L 900.4		956.9			LAKE TAHOE AT ZEPHYR COVE PIER (S-8)															
08/18/71	5050		7.3	67.6F	7.5	99	--	--	--	--	--	--	--	3.1	--	--	--			
0740	5050		79	19.8C		92								.09			--			
														10						

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. 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
G7 L 900.5 956.9 LAKE TAHOE AT ZEPHYR COVE (L-8)																				
11/17/70			9.3	49.3F	7.8	93	--	--	--	--	--	--	--	--	--	--	--			0.1A
1200			81	9.6C													--			
		2																		
11/18/70	5050						--	--	--	--	--	--	--	1.4	--	--	--			
1140	5050													.04			--			
		2																		
05/12/71	5050						--	--	--	--	--	--	--	1.0	--	--	--			
1025	5050					93								.03			--			
														3						
08/18/71	5050		7.9	68.0F	7.7	90	--	--	--	--	--	--	--	1.3	--	--	--			
0910	5050		86	20.0C		92								.04			--			
														4						
G7 L 900.9 006.8 LAKE TAHOE AT RUBICON BAY (L-2)																				
11/17/70	5050		9.4	49.6F	7.7	93	--	--	--	--	--	--	--	--	--	--	--			0.1A
1405			83	9.8C													--			
		2																		
11/18/70	5050						--	--	--	--	--	--	--	1.6	--	--	--			
1305	5050													.05			--			
		2																		
05/12/71	5050						--	--	--	--	--	--	--	1.3	--	--	--			
1215	5050					92								.04			--			
														4						
08/18/71	5050		7.4	70.0F	7.7	90	--	--	--	--	--	--	--	3.3	--	--	--			
1125	5050		83	21.1C		92								.09			--			
														10						
G7 L 900.9 006.8 2 LAKE TAHOE AT RUBICON BAY PIER (A.L. GILLI PIER) S-2																				
08/18/71	5050		7.5	68.0F	7.5	91	--	--	--	--	--	--	--	1.2	--	--	--			
1020	5050		82	20.0C		92								.03			--			
														3						
G7 L 902.3 007.2 LAKE TAHOE AT MEEKS BAY RESORT PIER (S-12)																				
08/25/71	5050		7.5	67.0F	7.8	91	--	--	--	--	--	--	--	1.7	--	--	--			
0955	5050		81	19.4C		92								.05			--			
														5						
G7 L 904.5 008.4 LAKE TAHOE AT CHAMBERS LODGE (L-9)																				
11/17/70	5050		9.1	49.5F	7.9	91	--	--	--	--	--	--	--	--	--	--	--			0.1A
1440			80	9.7C													--			
		2																		
11/18/70	5050						--	--	--	--	--	--	--	1.8	--	--	--			
1320	5050													.05			--			
		2																		
05/12/71	5050						--	--	--	--	--	--	--	2.0	--	--	--			
1235	5050					91								.06			--			
														7						
G7 L 904.5 008.4 2 LAKE TAHOE AT CHAMBERS LANDING PIER (S-9)																				
08/18/71	5050		7.6	68.5F	7.5	95	--	--	--	--	--	--	--	2.2	--	--	--			
1145	5050		84	20.3C		93								.06			--			
														6						
G7 L 905.3 956.4 LAKE TAHOE AT GLENBROOK BAY PIER (S-3)																				
08/25/71	5050		7.3	66.0F	7.7	91	--	--	--	--	--	--	--	1.3	--	--	--			
0805	5050		78	18.9C		92								.04			--			
														4						
G7 L 905.4 956.4 LAKE TAHOE AT GLENBROOK (L-3)																				
11/18/70	5050						--	--	--	--	--	--	--	1.5	--	--	--			
1045	5050													.04			--			
		2																		
11/18/70	5050		9.2	48.6F	7.9	93	--	--	--	--	--	--	--	--	--	--	--			0.1A
1055			80	9.2C													--			
		2																		
05/12/71	5050						--	--	--	--	--	--	--	1.9	--	--	--			
1000	5050					93								.05			--			
														5						
G7 L 907.8 009.2 LAKE TAHOE AT PIER NEAR MOUTH OF WARD CREEK (S-11)																				
08/25/71	5050		8.1	67.1F	7.5	102	--	--	--	--	--	--	--	2.9	--	--	--			
1120	5050		88	19.5C		91								.08			--			
														9						
G7 L 908.7 000.3 LAKE TAHOE - NORTH CENTER (C-2)																				
11/16/70	5050		8.9	49.1F	7.3	93	--	--	--	--	--	--	--	--	--	--	--			0.13A
1420			78	9.5C													--			
		2																		
11/16/70	5050		9.9	43.7F	7.5	93	--	--	--	--	--	--	--	--	--	--	--			0.13A
1425			80	6.5C													--			
		361																		
11/18/70	5050						--	--	--	--	--	--	--	1.4	--	--	--			
1025	5050													.04			--			
		2																		
05/12/71	5050						--	--	--	--	--	--	--	1.1	--	--	--			
0940	5050					92								.03			--			
														3						

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	SIO2	TDS SUM	TH NCH	TURB SAR
							MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER			
G7 L 908.7 000.3 LAKE TAHOE - NORTH CENTER (C-2) CONTINUED																				
08/18/71	5050		7.4	67.5F	7.7	89	--	--	--	--	--	--	--	1.7	--	--	--			
0825	5050		80	19.7C		91								.05			--			
														5						
G7 L 910.8 007.1 LAKE TAHOE NEAR LAKE FOREST (L-5)																				
11/17/70	5050		9.3	49.3F	7.7	93	--	--	--	--	--	--	--	--	--	--	--			0.2A
1520			81	9.6C													--			
		2																		
11/18/70	5050						--	--	--	--	--	--	--	2.2	--	--	--			
0915	5050													.06			--			
		2																		
05/12/71	5050						--	--	--	--	--	--	--	.7	--	--	--			
0810	5050					86								.02			--			
														2						
G7 L 910.8 007.1 2 LAKE TAHOE AT US COAST GUARD PIER (S-5)																				
08/25/71	5050		7.6	68.5F	7.6	102	--	--	--	--	--	--	--	2.4	--	--	--			
1255	5050		84	20.3C		92								.07			--			
														8						
G7 L 914.2 002.2 LAKE TAHOE AT TAHOE VISTA (L-7)																				
11/18/70	5050						--	--	--	--	--	--	--	2.6	--	--	--			
0945	5050													.07			--			
		2																		
11/19/70	5050		9.1	48.0F	7.9	90	--	--	--	--	--	--	--	--	--	--	--			0.1A
1015			78	8.9C													--			
		2																		
05/12/71	5050						--	--	--	--	--	--	--	.9	--	--	--			
0850	5050					92								.03			--			
														3						
08/18/71	5050		7.4	68.0F	7.7	91	--	--	--	--	--	--	--	3.9	--	--	--			
0725	5050		81	20.0C		92								.11			--			
														12						
G7 L 914.2 002.3 LAKE TAHOE AT KINGS BEACH PIER (HERITAGE COVE) S-7																				
08/18/71	5050		7.5	69.8F	7.5	96	--	--	--	--	--	--	--	2.3	--	--	--			
1240	5050		84	21.0C		92								.06			--			
														7						
G7 L 914.2 956.6 LAKE TAHOE AT KINGS CASTLE PIER (S-4)																				
08/18/71	5050		7.2	71.4F	7.5	95	--	--	--	--	--	--	--	1.4	--	--	--			
1320	5050		82	21.9C		92								.04			--			
														4						
G7 L 914.3 956.8 LAKE TAHOE AT INCLINE GUARD STATION (L-4)																				
11/16/70	5050		9.0	49.8F	7.9	93	--	--	--	--	--	--	--	--	--	--	--			0.2A
1540			79	9.9C													--			
		2																		
11/18/70	5050						--	--	--	--	--	--	--	1.7	--	--	--			
1000	5050													.05			--			
		2																		
05/12/71	5050						--	--	--	--	--	--	--	1.2	--	--	--			
0910	5050					91								.03			--			
														3						
08/18/71	5050		7.3	69.0F	7.7	89	--	--	--	--	--	--	--	1.1	--	--	--			
0755	5050		81	20.5C		92								.03			--			
														3						
G7 1195.00 TRUCKEE RIVER AT FARAD																				
04/15/71	5050	4.10	10.7	42 F	7.4	84	9.4	1.8	3.6	--	.0	41	--	3.1	--	--	--		31	4E
0745	5050	1230	85	6 C	7.5	83	.47	.15	.16		.00	.67		.09			--		3	0.3
							57	18	19			81		11						
05/13/71	5050	5.52	10.0		7.2	66	--	--	--	--	--	--	--	--	--	--	--			
1650		2520															--			
09/23/71	5050	3.84	8.3	58 F	7.3	78	9.2	1.5	3.8	--	.0	42	--	3.3	--	--	--		29	2E
1645	5050	583	81	14 C	7.7	78	.46	.12	.17		.00	.69		.09			--		6	0.3
							59	15	22			88		12						
G7 1665.00 TRUCKEE RIVER AT TAHOE CITY																				
05/13/71	5050	2.54	10.0		7.4	92	--	--	--	--	--	--	--	--	--	--	--			
1600		74															--			
G7 3020.01 BURTON CREEK IN STAR HARBOR (T-8)																				
08/25/71	5050		8.6	64.0F	7.8		--	--	--	--	--	--	--	.5	--	--	--			
1305	5050		90	17.8C		104								.01			--			
														1						
G7 3050.01 WARD CREEK NEAR MOUTH (T-5)																				
08/25/71	5050		8.2	59.0F	7.5	64	--	--	--	--	--	--	--	5.0	--	--	--			
1130	5050	14	81	15.0C		65								.14			--			
														22						

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q DEPTH	OO 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				
	G7	3100.00			TROUT CREEK NEAR TAHOE VALLEY															
05/13/71	5050	7.28	9.2		7.2	41	--	--	--	--	--	--	--	--	--	--	--			
1430		83															--			
	G7	3160.01			MADDEN CREEK NEAR MOUTH (T-10)															
08/25/71	5050		8.4	54.0F	7.3	43	--	--	--	--	--	--	--	.2	--	--	--			
1045	5050		78	12.2C		43								.01			--			
														2						
	G7	3230.01			THIRD CREEK NEAR MOUTH (T-6)															
08/25/71	5050		8.8	53.4F	7.3	75	--	--	--	--	--	--	--	.0	--	--	--			
0720	5050	8.5	81	11.9C		68								.00			--			
	G7	3253.01			INCLINE CREEK AT INCLINE VILLAGE (T-2)															
11/18/70	5050		10.8	37.9F	7.3	74	--	--	--	--	--	--	--	.4	--	--	--			5.0A
1110	5050		81	3.3C										.01			--			
		1																		
05/12/71	5050		10.0	43.0F	7.1	64	--	--	--	--	--	--	--	.1	--	--	--			
1000	5050		80	6.1C										.00			--			
08/25/71	5050		9.2	51.8F	7.3	69	--	--	--	--	--	--	--	.0	--	--	--			
0745	5050	6.5	83	11.0C		61								.00			--			
	G7	3300.01			GENERAL CREEK NEAR MEEKS BAY (T-3)															
11/18/70	5050		10.7	37.0F	7.1	59	--	--	--	--	--	--	--	.0	--	--	--			0.3A
1230	5050		79	2.8C										.00			--			
		1																		
05/12/71	5050		10.7	37.0F	6.9	19	--	--	--	--	--	--	--	.0	--	--	--			
1125	5050		79	2.8C		17								.00			--			
08/25/71	5050		8.8	55.0F	7.3	65	--	--	--	--	--	--	--	.0	--	--	--			
1040	5050	6.5	83	12.8C		56								.00			--			
	G7	3571.01			TAYLOR CREEK NEAR CAMP RICHARDSON (T-4)															
11/18/70	5050		9.7	43.0F	6.9	28	--	--	--	--	--	--	--	.4	--	--	--			0.2A
0845	5050		78	6.1C										.01			--			
		1																		
05/12/71	5050		9.3	44.0F	6.9	26	--	--	--	--	--	--	--	.3	--	--	--			
0845	5050		76	6.7C		24								.01			--			
														4						
08/25/71	5050		7.5	67.5F	7.2	28	--	--	--	--	--	--	--	.2	--	--	--			
1000	5050	12	81	19.7C		25								.01			--			
														4						
	G7	3680.00			EDGEWOOD CREEK AT STATE LINE (NEAR MOUTH T-7)															
08/25/71	5050		9.0	49.8F	7.4	110	--	--	--	--	--	--	--	.6	--	--	--			
0835	5050	9.5	79	9.9C		102								.02			--			
														2						
	G7	3705.01			UPPER TRUCKEE RIVER NEAR MOUTH (T-1)															
11/18/70	5050		10.9	36.0F	7.1	79	--	--	--	--	--	--	--	3.2	--	--	--			0.7A
0945	5050		79	2.2C										.09			--			
		1																		
05/12/71	5050		8.2	37.0F	6.9	28	--	--	--	--	--	--	--	.5	--	--	--			
0800	5050		60	2.8C		27								.01			--			
														4						
08/25/71	5050		8.3	61.3F	7.3	78	--	--	--	--	--	--	--	2.8	--	--	--			
0935	5050		84	16.3C		70								.08			--			
														11						
	G7	3750.00			UPPER TRUCKEE RIVER NEAR MEYERS															
05/13/71	5050	6.77	10.3		6.8	40	--	--	--	--	--	--	--	--	--	--	--			
0830		308															--			
	G7	3810.01			TROUT CREEK NEAR MOUTH (T-9)															
08/25/71	5050		8.9	55.0F	7.3	53	--	--	--	--	--	--	--	.0	--	--	--			
0915	5050	12	84	12.8C		44								.00			--			
	G7	4100.00			BLACKWOOD CREEK NEAR TAHOE CITY															
05/13/71	5050	1.86	10.2		6.8	44	--	--	--	--	--	--	--	--	--	--	--			
1530		168															--			
	G8	2300.00			CARSON RIVER, WEST FORK, AT WOODFORDS															
04/14/71	5050	2.37	11.2	37 F	7.3	51	6.6	2.1	2.2	--	.0	27	--	.7	--	--	--		25	5E
0930	5050	245	82	3 C	7.3	50	.33	.17	.10		.00	.44		.02			--		3	0.2
							66	34	20			88		4						
05/13/71	5050	2.77	10.8		7.6	42	--	--	--	--	--	--	--	--	--	--	--			
0800		360															--			
09/23/71	5050	0.99	9.7	46 F	7.4	77	9.3	1.2	3.6	--	.0	43	--	.5	--	--	--		28	1E
0900		20	81	8 C	7.7	74	.46	.10	.16		.00	.70		.01			--		7	0.3
							62	14	22			95		1						

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				
	G8	3040.00			INDIAN CREEK RESERVOIR OUTLET NEAR WOODFORDS															
09/23/71	5050	1.51	7.8	60 F	7.8	500	43	3.3	46	--	.0	139	--	33	47.0	.20	--		121	
1030	5050	3.1	78	16 C	7.1	495	2.15	.27	2.00		.00	2.28		.93	.76		--		7	1.8
							43	5	40			46		19	15					
	G8	3148.01			MARKLEEVILLE CREEK AT MARKLEEVILLE															
05/13/71	5050		10.9		6.8	52	--	--	--	--	--	--	--	--	--	--	--			
0840																	--			
07/12/71	5050						--	--	--	--	--	--	--	--	--	--	--			
1600		40															--			
	G8	3420.20			CARSON RIVER, EF, AT HWY 4 BRIDGE NEAR MARKLEEVILLE															
04/14/71	5050		11.0	40 F	7.5	99	11	2.3	4.4	--	.0	48	--	1.6	--	--	--		37	6E
1015	5050		85	4 C	7.6	96	.55	.19	.19		.00	.79		.05			--		3	0.3
							57	20	20			82		5						
07/12/71	5050		8.0	64 F	7.4	57	--	--	--	--	--	--	--	--	--	--	--			
1625			84	18 C													--			
09/23/71	5050		9.4	53 F	7.8	110	12	2.7	6.6	--	.0	58	--	2.5	--	--	--		41	13E
1140	5050		86	12 C	7.9	112	.60	.22	.29		.00	.95		.07			--		7	0.4
							54	20	26			85		6						
	G9	2460.00			WEST WALKER RIV BELOW LITTLE WALKER RIV NR COLEVILLE															
04/14/71	5050	2.16	10.5	42 F	7.4	72	9.6	1.0	2.5	--	.0	38	--	.6	--	--	--		28	2E
1145	5050	263	83	6 C	7.5	70	.48	.08	.11		.00	.62		.02			--		3	0.2
							69	11	16			89		3						
05/13/71	5050	3.00	9.7		7.4	120	--	--	--	--	--	--	--	--	--	--	--			
1000		585															--			
09/23/71	5050	1.17	9.8	55 F	8.0	125	16	2.7	5.9	--	.0	65	--	2.1	--	--	--		51	2E
1300	5050	66	92	13 C	8.1	121	.80	.22	.26		.00	1.07		.06			--		3	0.4
							66	18	21			88		5						
	G9	3200.00			EAST WALKER RIVER NEAR BRIDGEPORT															
04/14/71	5050	1.37	9.3	49 F	8.0	230	25	4.3	16	--	.0	115	--	3.5	--	--	--		80	20E
1240	5050	168	81	9 C	8.1	226	1.25	.35	.70		.00	1.88		.10			--		14	0.8
							55	15	31			83		4						
05/13/71	5050	1.43	9.0		7.4	220	--	--	--	--	--	--	--	--	--	--	--			
1130		184															--			
09/23/71	5050	1.14	7.2	58 F	8.0	200	25	3.1	12	--	.0	109	--	2.7	--	--	--		75	55E
1345	5050	97	70	14 C	8.1	197	1.25	.25	.52		.00	1.79		.08			--		15	0.6
							63	13	26			91		4						

TABLE D-3

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Constituents

MBAS - Methylene blue active substance, a measure of detergent surfactants

BOD - Biological oxygen demand

Abbreviations

mg/l - Milligrams per liter

ug/l - Micrograms per liter

ft. - Feet

Lab and Sampler Agency Codes

5000 - U. S. Geological Survey

5001 - U. S. Bureau of Reclamation

5006 - McClellan Air Force Base Laboratory

5050 - Department of Water Resources

TABLE D-3 (Cont.)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
A0 2100.00	SACRAMENTO RIVER AT SACRAMENTO	06-08-71 0910	Arsenic	0.00	mg/L	5050	5050
			Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.0	ug/l		
			Selenium	0.00	mg/l		
A0 2112.00	SACRAMENTO RIVER AT ELKHORN FERRY	05-19-71 1230	Arsenic	0.00	mg/l	5050	5050
			Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.0	ug/l		
			Selenium	0.00	mg/l		
A0 2170.00	SACRAMENTO RIVER AT FREMONT WEIR, WEST END	05-19-71 1115	Arsenic	0.00	mg/l	5050	5050
			Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.2	ug/l		
			Selenium	0.00	mg/l		
A0 2195.01	SACRAMENTO RIVER BELOW KNIGHTS LANDING	10-14-70 1400	Aluminum	18	ug/l	5050	5000
			Beryllium	<0.6	ug/l		
			Bismuth	<0.3	ug/l		
			Cadmium	<1.4	ug/l		
			Chromium	<1.4	ug/l		
			Cobalt	<1.4	ug/l		
			Copper	<1.4	ug/l		
			Gallium	<5.7	ug/l		
			Germanium	<0.3	ug/l		
			Iron	14	ug/l		
			Lead	<1.4	ug/l		
			Manganese	<1.4	ug/l		
			Molybdenum	<0.3	ug/l		
			Nickel	<0.3	ug/l		
			Titanium	<0.6	ug/l		
			Vanadium	2.4	ug/l		
			Zinc	<5.7	ug/l		
		05-25-71 1600	Arsenic	0.00	mg/l	5050	5050
			Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury	0.0	ug/l		
			Selenium	0.00	mg/l		
			Aluminum	22	ug/l	5050	5000
			Beryllium	<0.6	ug/l		
			Bismuth	<0.3	ug/l		
			Cadmium	<1.4	ug/l		
			Chromium	<1.4	ug/l		
			Cobalt	<1.4	ug/l		
			Copper	<1.4	ug/l		
			Gallium	<5.7	ug/l		
			Germanium	<0.3	ug/l		
			Iron	43	ug/l		
			Lead	<1.4	ug/l		
			Manganese	<1.4	ug/l		
			Molybdenum	<0.3	ug/l		
			Nickel	1.3	ug/l		
			Titanium	<0.6	ug/l		
			Vanadium	6.3	ug/l		
			Zinc	<5.7	ug/l		
A0 2230.02	SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN	10-14-70 1145	Aluminum	13	ug/l	5050	5000
			Beryllium	<0.6	ug/l		
			Bismuth	<0.3	ug/l		
			Cadmium	<1.4	ug/l		
			Chromium	<1.4	ug/l		
			Cobalt	<1.4	ug/l		
			Copper	<1.4	ug/l		
			Gallium	<5.7	ug/l		
			Germanium	<0.3	ug/l		
			Iron	11	ug/l		
			Manganese	<1.4	ug/l		
			Molybdenum	<0.3	ug/l		
			Nickel	<0.3	ug/l		
			Titanium	<0.6	ug/l		
			Vanadium	2.3	ug/l		
			Zinc	<5.7	ug/l		
		05-25-71 1345	Arsenic	0.00	mg/l	5050	5050
			Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury	0.0	ug/l		
			Selenium	0.00	mg/l		
			Aluminum	28	ug/l	5050	5000
			Beryllium	<0.6	ug/l		
			Bismuth	<0.3	ug/l		
			Cadmium	<1.4	ug/l		
			Chromium	<1.4	ug/l		

TABLE D-3 (Cont.)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
AO 2230.02	SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN (Continued)	05-25-71 1345	Cobalt	<1.4	ug/l	5050	5000
			Copper	<1.4	ug/l		
			Gallium	<5.7	ug/l		
			Germanium	<0.3	ug/l		
			Iron	31	ug/l		
			Lead	<1.4	ug/l		
			Manganese	<1.4	ug/l		
			Molybdenum	<0.3	ug/l		
			Nickel	<0.3	ug/l		
			Titanium	<0.6	ug/l		
			Vanadium	6.3	ug/l		
			Zinc	<5.7	ug/l		
AO 2420.00	SACRAMENTO RIVER AT COLUSA	04-04-71 0940	Aluminum	34	ug/l	5050	5000
			Beryllium	<0.6	ug/l		
			Bismuth	<0.3	ug/l		
			Cadmium	<1.4	ug/l		
			Chromium	<1.4	ug/l		
			Cobalt	<1.4	ug/l		
			Copper	<1.4	ug/l		
			Gallium	<5.7	ug/l		
			Germanium	<0.3	ug/l		
			Iron	66	ug/l		
			Lead	<1.4	ug/l		
			Manganese	<1.4	ug/l		
			Molybdenum	<0.3	ug/l		
			Nickel	1.1	ug/l		
			Titanium	<0.6	ug/l		
			Vanadium	5.1	ug/l		
			Zinc	<5.7	ug/l		
		05-25-71 --	Arsenic	0.00	mg/l	5050	5050
			Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury	0.1	ug/l		
			Selenium	0.00	mg/l		
		09-28-71 0945	Aluminum	170	ug/l	5050	5000
			Beryllium	<0.6	ug/l		
			Bismuth	<0.3	ug/l		
			Cadmium	<1.4	ug/l		
			Chromium	<1.4	ug/l		
			Cobalt	<1.4	ug/l		
			Copper	<1.4	ug/l		
			Gallium	<5.7	ug/l		
			Germanium	<0.3	ug/l		
			Iron	260	ug/l		
			Lead	<1.4	ug/l		
			Manganese	<1.4	ug/l		
			Molybdenum	<0.3	ug/l		
			Nickel	1.8	ug/l		
			Titanium	15	ug/l		
			Vanadium	6.0	ug/l		
			Zinc	<5.7	ug/l		
AO 2630.00	SACRAMENTO RIVER AT HAMILTON CITY	03-17-71 1245	Aluminum	43	ug/l	5050	5000
			Beryllium	<0.6	ug/l		
			Bismuth	0.4	ug/l		
			Cadmium	<1.4	ug/l		
			Chromium	<1.4	ug/l		
			Cobalt	<1.4	ug/l		
			Copper	3.4	ug/l		
			Gallium	<5.7	ug/l		
			Germanium	<0.3	ug/l		
			Iron	57	ug/l		
			Lead	<1.4	ug/l		
			Manganese	<1.4	ug/l		
			Molybdenum	<0.3	ug/l		
			Nickel	0.7	ug/l		
			Titanium	1.2	ug/l		
			Vanadium	2.1	ug/l		
			Zinc	7.7	ug/l		
		05-18-71 --	Arsenic	0.00	mg/l	5050	5050
			Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury	0.0	ug/l		
			Selenium	0.00	mg/l		
		09-23-71 1300	Aluminum	250	ug/l	5050	5000
			Beryllium	<0.6	ug/l		
			Bismuth	<0.3	ug/l		
			Cadmium	<1.4	ug/l		
			Chromium	<1.4	ug/l		
			Cobalt	<1.4	ug/l		
			Copper	<1.4	ug/l		
			Gallium	<5.7	ug/l		
			Germanium	<0.3	ug/l		
			Iron	180	ug/l		

TABLE D-3 (Cont.)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
AO 2630.00	SACRAMENTO RIVER AT HAMILTON CITY (Continued)	09-23-71 1300	Lead	<1.4	ug/l	5050	5000
			Manganese	<1.4	ug/l		
			Molybdenum	<0.3	ug/l		
			Nickel	1.7	ug/l		
			Titanium	17	ug/l		
			Vanadium	6.9	ug/l		
			Zinc	<5.7	ug/l		
AO 2785.00	SACRAMENTO RIVER AT BEND BRIDGE	01-13-71 1230	Aluminum	110	ug/l	5050	5000
			Beryllium	<0.6	ug/l		
			Bismuth	<0.3	ug/l		
			Cadmium	<1.4	ug/l		
			Chromium	<1.4	ug/l		
			Cobalt	<1.4	ug/l		
			Copper	<1.4	ug/l		
			Gallium	<5.7	ug/l		
			Germanium	<0.3	ug/l		
			Iron	54	ug/l		
			Lead	<1.4	ug/l		
			Manganese	3.4	ug/l		
			Molybdenum	<0.3	ug/l		
			Nickel	0.4	ug/l		
			Titanium	13	ug/l		
			Vanadium	15	ug/l		
			Zinc	<5.7	ug/l		
		05-24-71 --	Arsenic	0.00	mg/l	5050	5050
			Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury	0.0	ug/l		
			Selenium	0.00	mg/l		
		09-27-71 0710	Aluminum	260	ug/l	5050	5000
			Beryllium	<0.6	ug/l		
			Bismuth	<0.3	ug/l		
			Cadmium	<1.4	ug/l		
			Chromium	<1.4	ug/l		
			Cobalt	<1.4	ug/l		
			Copper	<1.4	ug/l		
			Gallium	<5.7	ug/l		
			Germanium	<0.3	ug/l		
			Iron	130	ug/l		
			Lead	<1.4	ug/l		
			Manganese	<1.4	ug/l		
			Molybdenum	<0.3	ug/l		
			Nickel	0.4	ug/l		
			Titanium	21	ug/l		
			Vanadium	12	ug/l		
			Zinc	<5.7	ug/l		
AO 2925.00	SACRAMENTO SLOUGH AT SACRAMENTO RIVER	05-25-71 --	Arsenic	0.00	mg/l	5050	5050
			Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury	0.0	ug/l		
			Selenium	0.00	mg/l		
AO 2933.00	R. D. 108 DRAINAGE TO SACRAMENTO RIVER	05-25-71 --	Arsenic	0.00	mg/l	5050	5050
			Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury	0.0	ug/l		
			Selenium	0.00	mg/l		
AO 2947.10	COLUSA BASIN DRAIN NEAR KNIGHTS LANDING	05-25-71 --	Arsenic	0.00	mg/l	5050	5050
			Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury	0.1	ug/l		
			Selenium	0.00	mg/l		
AO 2950.00	R. D. 787 DRAINAGE TO COLUSA BASIN DRAIN	05-25-71 --	Arsenic	0.00	mg/l	5050	5050
			Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury	0.0	ug/l		
			Selenium	0.00	mg/l		
AO 2955.00	R. D. 787 DRAINAGE TO SACRAMENTO RIVER	05-25-71 --	Arsenic	0.00	mg/l	5050	5050
			Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury	0.1	ug/l		
			Selenium	0.00	mg/l		
AO 2965.00	R. D. 70 DRAINAGE TO SACRAMENTO RIVER	05-25-71 --	Arsenic	0.00	mg/l	5050	5050
			Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury	0.0	ug/l		
			Selenium	0.00	mg/l		

TABLE D-3 (Cont.)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents		Samp	Lab
AO 2972.00	BUTTE SLOUGH NEAR MERIDIAN	05-25-71 --	Arsenic	0.00 mg/l	5050	5050
			Barium	0.0 mg/l		
			Cadmium	0.00 mg/l		
			Lead	0.00 mg/l		
			Mercury	0.0 ug/l		
			Selenium	0.00 mg/l		
AO 2976.00	COLUSA BASIN DRAIN AT HIGHWAY 20	05-25-71 --	Arsenic	0.00 mg/l	5050	5050
			Barium	0.1 mg/l		
			Cadmium	0.00 mg/l		
			Lead	0.00 mg/l		
			Mercury	0.0 ug/l		
			Selenium	0.00 mg/l		
AO 3220.01	THOMES CREEK AT RICHFIELD	05-20-71 --	Arsenic	0.00 mg/l	5050	5050
			Barium	0.0 mg/l		
			Cadmium	0.00 mg/l		
			Lead	0.00 mg/l		
			Mercury	0.0 ug/l		
			Selenium	0.00 mg/l		
AO 3320.00	ELDER CREEK AT GERBER	05-20-71 --	Arsenic	0.00 mg/l	5050	5050
			Barium	0.0 mg/l		
			Cadmium	0.00 mg/l		
			Lead	0.00 mg/l		
			Mercury	0.0 ug/l		
			Selenium	0.00 mg/l		
AO 3460.00	RED BANK CREEK NEAR RED BLUFF	05-18-71 --	Arsenic	0.00 mg/l	5050	5050
			Barium	0.1 mg/l		
			Cadmium	0.00 mg/l		
			Lead	0.00 mg/l		
			Mercury	0.0 ug/l		
			Selenium	0.00 mg/l		
AO 3520.50	COTTONWOOD CREEK AT COTTONWOOD	05-24-71 --	Arsenic	0.00 mg/l	5050	5050
			Barium	0.1 mg/l		
			Cadmium	0.00 mg/l		
			Lead	0.00 mg/l		
			Mercury	0.0 ug/l		
			Selenium	0.00 mg/l		
AO 3595.00	COTTONWOOD CREEK, SOUTH FORK, NEAR COTTONWOOD	05-24-71 --	Arsenic	0.00 mg/l	5050	5050
			Barium	0.2 mg/l		
			Cadmium	0.00 mg/l		
			Lead	0.00 mg/l		
			Mercury	0.0 ug/l		
			Selenium	0.00 mg/l		
AO 4321.01	DEER CREEK AT HIGHWAY 99E NEAR VINA	05-18-71 --	Arsenic	0.00 mg/l	5050	5050
			Barium	0.1 mg/l		
			Cadmium	0.00 mg/l		
			Lead	0.00 mg/l		
			Mercury	0.0 ug/l		
			Selenium	0.00 mg/l		
AO 4420.50	MILL CREEK NEAR MOUTH NEAR LOS MOLINOS	05-18-71 --	Arsenic	0.01 mg/l	5050	5050
			Barium	0.0 mg/l		
			Cadmium	0.00 mg/l		
			Lead	0.01 mg/l		
			Mercury	0.0 ug/l		
			Selenium	0.00 mg/l		
AO 4520.50	ANTELOPE CREEK NEAR MOUTH NEAR RED BLUFF	05-18-71 --	Arsenic	0.00 mg/l	5050	5050
			Barium	0.0 mg/l		
			Cadmium	0.00 mg/l		
			Lead	0.00 mg/l		
			Mercury	0.0 ug/l		
			Selenium	0.00 mg/l		
AO 4630.01	PAYNES CREEK NEAR RED BLUFF	05-20-71 --	Arsenic	0.00 mg/l	5050	5050
			Barium	0.0 mg/l		
			Cadmium	0.00 mg/l		
			Lead	0.00 mg/l		
			Mercury	0.0 ug/l		
			Selenium	0.00 mg/l		
AO 5103.00	FEATHER RIVER AT NICOLAUS	10-07-70 0900	Arsenic	0.00 mg/l	5050	5050
			Chromium	0.00 mg/l		
			Copper	0.01 mg/l		
			Iron	0.02 mg/l		
			Lead	0.00 mg/l		
			Manganese	0.00 mg/l		
			Phenols	0.001 mg/l		
			Selenium	0.00 mg/l		
			Zinc	0.03 mg/l		
		11-05-70 1020	Arsenic	0.00 mg/l	5050	5050
			Chromium	0.00 mg/l		
			Copper	0.01 mg/l		

TABLE D-3 (Cont.)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents		Samp	Lab
AO 5103.00	FEATHER RIVER AT NICOLAUS (Continued)	11-05-70 1020	Iron	0.03 mg/l	5050	5050
			Lead	0.00 mg/l		
			Manganese	0.00 mg/l		
			Phenols	0.000 mg/l		
			Selenium	0.00 mg/l		
			Zinc	0.01 mg/l		
		12-09-70 1010	Arsenic	0.00 mg/l	5050	5050
			Chromium	0.00 mg/l		
			Copper	0.04 mg/l		
			Iron	0.05 mg/l		
			Lead	0.00 mg/l		
			Manganese	0.00 mg/l		
			Phenols	0.000 mg/l		
			Selenium	0.00 mg/l		
			Zinc	0.01 mg/l		
		05-19-71 0715	Arsenic	0.00 mg/l	5050	5050
			Barium	0.0 mg/l		
			Cadmium	0.00 mg/l		
			Lead	0.00 mg/l		
			Mercury, Total	0.1 ug/l		
			Selenium	0.00 mg/l		
AO 5165.00	FEATHER RIVER NEAR GRIDLEY	10-07-70 0645	Arsenic	0.00 mg/l	5050	5050
			Chromium	0.00 mg/l		
			Copper	0.00 mg/l		
			Iron	0.02 mg/l		
			Lead	0.00 mg/l		
			Manganese	0.00 mg/l		
			Phenols	0.001 mg/l		
			Selenium	0.00 mg/l		
			Zinc	0.00 mg/l		
		11-05-70 0830	Arsenic	0.00 mg/l	5050	5050
			Chromium	0.00 mg/l		
			Copper	0.00 mg/l		
			Iron	0.02 mg/l		
			Lead	0.00 mg/l		
			Manganese	0.00 mg/l		
			Phenols	0.004 mg/l		
			Selenium	0.00 mg/l		
			Zinc	0.00 mg/l		
		12-09-70 0840	Arsenic	0.00 mg/l	5050	5050
			Chromium	0.00 mg/l		
			Copper	0.00 mg/l		
			Iron	0.02 mg/l		
			Lead	0.00 mg/l		
			Manganese	0.00 mg/l		
			Phenols	0.000 mg/l		
			Selenium	0.00 mg/l		
			Zinc	0.00 mg/l		
		05-18-71 1700	Arsenic	0.00 mg/l	5050	5050
			Barium	0.1 mg/l		
			Cadmium	0.00 mg/l		
			Lead	0.00 mg/l		
			Mercury, Total	0.0 ug/l		
			Selenium	0.00 mg/l		
AO 5191.00	FEATHER RIVER AT OROVILLE	05-20-71 0725	Arsenic	0.00 mg/l	5050	5050
			Barium	0.1 mg/l		
			Cadmium	0.00 mg/l		
			Lead	0.00 mg/l		
			Mercury, Total	0.3 ug/l		
			Selenium	0.00 mg/l		
AO 6120.00	YUBA RIVER AT MARYSVILLE	05-04-71 1230	Arsenic	0.00 mg/l	5050	5050
			Barium	0.0 mg/l		
			Cadmium	0.00 mg/l		
			Lead	0.01 mg/l		
			Mercury, Total	0.2 ug/l		
			Selenium	0.00 mg/l		
AO 6550.00	BEAR RIVER NEAR WHEATLAND	05-04-71 1045	Arsenic	0.00 mg/l	5050	5050
			Barium	0.0 mg/l		
			Cadmium	0.00 mg/l		
			Lead	0.00 mg/l		
			Mercury, Total	0.0 ug/l		
			Selenium	0.00 mg/l		
AO 7140.10	AMERICAN RIVER AT SACRAMENTO WATER PLANT	05-06-71 1330	Arsenic	0.00 mg/l	5050	5050
			Barium	0.0 mg/l		
			Cadmium	0.00 mg/l		
			Lead	0.00 mg/l		
			Mercury, Total	0.1 ug/l		
			Selenium	0.00 mg/l		

TABLE D-3 (Cont.)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
A1 1020.00	PIT RIVER NEAR MONTGOMERY CREEK	05-11-71 --	Arsenic	0.00	mg/1	5050	5050
			Barium	0.0	mg/1		
			Cadmium	0.00	mg/1		
			Lead	0.00	mg/1		
			Mercury	0.0	ug/1		
			Selenium	0.00	mg/1		
A1 1680.00	PIT RIVER NEAR CANBY	10-07-70 0815	Aluminum	480	ug/1	5050	5000
			Beryllium	<0.6	ug/1		
			Bismuth	<0.3	ug/1		
			Cadmium	<1.4	ug/1		
			Chromium	<1.4	ug/1		
			Cobalt	<1.4	ug/1		
			Copper	<1.4	ug/1		
			Gallium	<5.7	ug/1		
			Germanium	<0.3	ug/1		
			Iron	>300	ug/1		
			Lead	<1.4	ug/1		
			Manganese	<1.4	ug/1		
			Molybdenum	<0.3	ug/1		
			Nickel	4.6	ug/1		
			Titanium	6.9	ug/1		
			Vanadium	11	ug/1		
			Zinc	<5.7	ug/1		
		05-11-71 --	Arsenic	0.00	mg/1	5050	5050
			Barium	0.0	mg/1		
			Cadmium	0.00	mg/1		
			Lead	0.00	mg/1		
			Mercury	0.0	ug/1		
			Selenium	0.00	mg/1		
		06-03-71 1615	Aluminum	>570	ug/1	5050	5000
			Beryllium	<0.6	ug/1		
			Bismuth	<0.3	ug/1		
			Cadmium	<1.4	ug/1		
			Chromium	<1.4	ug/1		
			Cobalt	<1.4	ug/1		
			Copper	<1.4	ug/1		
			Gallium	<5.7	ug/1		
			Germanium	<0.3	ug/1		
			Iron	370	ug/1		
			Lead	<1.4	ug/1		
			Manganese	<1.4	ug/1		
			Molybdenum	<0.3	ug/1		
			Nickel	2.8	ug/1		
			Titanium	74	ug/1		
			Vanadium	14	ug/1		
			Zinc	<5.7	ug/1		
A1 4400.00	PIT RIVER, SOUTH FORK, NEAR LIKELY	06-04-71 --	Arsenic	0.00	mg/1	5050	5050
			Barium	0.1	mg/1		
			Cadmium	0.00	mg/1		
			Lead	0.00	mg/1		
			Mercury	0.0	ug/1		
			Selenium	0.00	mg/1		
A2 1010.00	SACRAMENTO RIVER AT KESWICK	01-18-71 1420	Aluminum	49	ug/1	5050	5000
			Beryllium	<0.6	ug/1		
			Bismuth	<0.3	ug/1		
			Cadmium	<1.4	ug/1		
			Chromium	<1.4	ug/1		
			Cobalt	<1.4	ug/1		
			Copper	<1.4	ug/1		
			Gallium	<5.7	ug/1		
			Germanium	<0.3	ug/1		
			Iron	49	ug/1		
			Lead	<1.4	ug/1		
			Manganese	<1.4	ug/1		
			Molybdenum	<0.3	ug/1		
			Nickel	0.4	ug/1		
			Titanium	<0.6	ug/1		
			Vanadium	4.9	ug/1		
			Zinc	<5.7	ug/1		
		05-24-71 --	Arsenic	0.00	mg/1	5050	5050
			Barium	0.2	mg/1		
			Cadmium	0.00	mg/1		
			Lead	0.00	mg/1		
			Mercury	0.1	ug/1		
			Selenium	0.00	mg/1		
		09-27-71 1115	Aluminum	190	ug/1	5050	5000
			Beryllium	<0.6	ug/1		
			Bismuth	<0.3	ug/1		
			Cadmium	<1.4	ug/1		
			Chromium	<1.4	ug/1		
			Cobalt	<1.4	ug/1		
			Copper	<1.4	ug/1		
			Gallium	<5.7	ug/1		
			Germanium	<0.3	ug/1		
			Iron	130	ug/1		

TABLE D-3 (Cont.)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
A2 1010.00	SACRAMENTO RIVER AT KESWICK (Continued)	09-27-71 1115	Lead	<1.4	ug/l	5050	5050
			Manganese	<1.4	ug/l		
			Molybdenum	<0.3	ug/l		
			Nickel	1.4	ug/l		
			Titanium	13	ug/l		
			Vanadium	4.6	ug/l		
			Zinc	<5.7	ug/l		
A2 1300.00	SACRAMENTO RIVER AT DELTA	05-10-71 --	Arsenic	0.00	mg/l	5050	5050
			Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury	0.0	ug/l		
			Selenium	0.00	mg/l		
A2 2150.00	McCLOUD RIVER ABOVE SHASTA LAKE	05-10-71 --	Arsenic	0.00	mg/l	5050	5050
			Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury	0.0	ug/l		
			Selenium	0.00	mg/l		
A3 1110.00	STONY CREEK BELOW BLACK BUTTE DAM	05-18-71 --	Arsenic	0.00	mg/l	5050	5050
			Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury	0.0	ug/l		
			Selenium	0.00	mg/l		
A3 1250.00	STONY CREEK NEAR FRUTO	05-18-71 --	Arsenic	0.00	mg/l	5050	5050
			Barium	0.2	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury	0.0	ug/l		
			Selenium	0.00	mg/l		
A3 1302.00	GRINDSTONE CREEK NEAR ELK CREEK	05-18-71 --	Arsenic	0.00	mg/l	5050	5050
			Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury	0.0	ug/l		
			Selenium	0.00	mg/l		
A3 2120.00	THOMES CREEK AT PASKENTA	05-18-71 --	Arsenic	0.00	mg/l	5050	5050
			Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury	0.0	ug/l		
			Selenium	0.00	mg/l		
A3 6130.00	CLEAR CREEK NEAR IGO	05-24-71 --	Arsenic	0.00	mg/l	5050	5050
			Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury	0.1	ug/l		
			Selenium	0.00	mg/l		
A4 1110.00	BUTTE CREEK NEAR CHICO	05-18-71 --	Arsenic	0.00	mg/l	5050	5050
			Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury	0.0	ug/l		
			Selenium	0.00	mg/l		
A4 2110.00	BIG CHICO CREEK NEAR CHICO	05-18-71 --	Arsenic	0.00	mg/l	5050	5050
			Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury	0.0	ug/l		
			Selenium	0.00	mg/l		
A4 7110.00	BATTLE CREEK NEAR COTTONWOOD	05-24-71	Arsenic	0.00	mg/l	5050	5050
			Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury	0.0	ug/l		
			Selenium	0.00	mg/l		
A4 8110.00	COW CREEK NEAR MILLVILLE	05-24-71	Arsenic	0.00	mg/l	5050	5050
			Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.01	mg/l		
			Mercury	0.0	ug/l		
			Selenium	0.00	mg/l		
A5 R 953.0 028.6	LAKE DAVIS NEAR DAM	04-28-71 1700 (75 feet)	Iron, Total	0.31	mg/l	5050	5050
			Manganese	0.08	mg/l		
		04-28-71 1710 (38 feet)	Iron, Total	0.31	mg/l	5050	5050
			Manganese	0.11	mg/l		

TABLE D-3 (Cont.)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
A5 R 953.0 028.6	LAKE DAVIS NEAR DAM (Continued)	04-28-71	Iron, Total	0.42	mg/l	5050	5050
		1715	Manganese	0.12	mg/l		
		(1 foot)	Secchi Disk	7.2	ft.		
A5 R 954.9 030.3	LAKE DAVIS, MIDLAKE (STATION 2)	04-28-71	Secchi Disk	6.6	ft.	5050	
		1515					
A5 R 955.9 031.3	LAKE DAVIS NEAR NORTH END (STATION 3)	04-28-71	Secchi Disk	5.9	ft.	5050	
		1245					
A5 2250.00	FEATHER RIVER, WEST BRANCH, NEAR PARADISE	05-18-71	Arsenic	0.00	mg/l	5050	5050
		1525	Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.0	ug/l		
			Selenium	0.00	mg/l		
A5 3140.10	FEATHER RIVER, NORTH FORK, ABOVE FLEA VALLEY CREEK	05-18-71	Arsenic	0.00	mg/l	5050	5050
		1355	Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.0	ug/l		
			Selenium	0.00	mg/l		
A5 4200.00	SPANISH CREEK ABOVE BLACKHAWK CREEK	05-18-71	Arsenic	0.00	mg/l	5050	5050
		1200	Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.0	ug/l		
			Selenium	0.00	mg/l		
A5 4320.00	INDIAN CREEK NEAR CRESCENT MILLS	05-18-71	Arsenic	0.00	mg/l	5050	5050
		1235	Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.0	ug/l		
			Selenium	0.00	mg/l		
A5 5100.00	FEATHER RIVER, MIDDLE FORK, NEAR MERRIMAC	05-20-71	Arsenic	0.00	mg/l	5050	5050
		1000	Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.0	ug/l		
			Selenium	0.00	mg/l		
A5 5420.00	FEATHER RIVER, MIDDLE FORK, NEAR PORTOLA	05-18-71	Arsenic	0.00	mg/l	5050	5050
		1005	Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.0	ug/l		
			Selenium	0.00	mg/l		
A5 6080.00	FEATHER RIVER, SOUTH FORK, BELOW PONDEROSA DAM	05-20-71	Arsenic	0.00	mg/l	5050	5050
		1205	Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.0	ug/l		
			Selenium	0.00	mg/l		
A6 1430.00	YUBA RIVER AT ENGLEBRIGHT DAM	05-20-71	Arsenic	0.00	mg/l	5050	5050
		1430	Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.0	ug/l		
			Selenium	0.00	mg/l		
A6 4350.00	SOUTH YUBA RIVER NEAR WASHINGTON	05-15-71	Arsenic	0.0	mg/l	5050	5050
		1420	Barium	0.00	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.0	ug/l		
			Selenium	0.00	mg/l		
A6 4700.00	SOUTH YUBA RIVER NEAR CISCO	05-18-71	Arsenic	0.00	mg/l	5050	5050
			Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.1	ug/l		
			Selenium	0.00	mg/l		
A7 2190.01	AMERICAN RIVER, NORTH FORK ABOVE MIDDLE FORK, AT AUBURN	05-20-71	Arsenic	0.00	mg/l	5050	5050
		1545	Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.1	ug/l		
			Selenium	0.00	mg/l		
A7 3100.00	AMERICAN RIVER, MIDDLE FORK, NEAR AUBURN	05-20-71	Arsenic	0.00	mg/l	5050	5050
		1605	Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		

TABLE D-3 (Cont.)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
A7 3100.00	AMERICAN RIVER, MIDDLE FORK, NEAR AUBURN (Continued)	05-20-71 1605	Lead	0.00	mg/l	5050	5050
			Mercury, Total	0.0	ug/l		
			Selenium	0.00	mg/l		
A8 1120.00	CACHE CREEK NEAR CAPAY	05-12-71 1045	Arsenic	0.00	mg/l	5050	5050
			Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.0	ug/l		
			Selenium	0.00	mg/l		
A8 1250.00	BEAR CREEK NEAR RUMSEY	05-05-71 --	Arsenic	0.00	mg/l	5050	5050
			Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury	0.3	ug/l		
			Selenium	0.00	mg/l		
A8 1350.00	CACHE CREEK NEAR LOWER LAKE	05-05-71 --	Arsenic	0.00	mg/l		
			Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury	0.0	ug/l		
			Selenium	0.01	mg/l		
A8 2050.00	CACHE CREEK, NORTH FORK, NEAR LOWER LAKE	05-05-71 --	Arsenic	0.00	mg/l	5050	5050
			Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury	0.0	ug/l		
			Selenium	0.00	mg/l		
A9 1250.00	PUTAH CREEK NEAR WINTERS	05-12-71 1210	Arsenic	0.00	mg/l	5050	5050
			Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.0	ug/l		
			Selenium	0.00	mg/l		
A9 5010.00	POPE CREEK NEAR POPE VALLEY	06-04-71 1100	Arsenic	0.00	mg/l	5050	5050
			Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.0	ug/l		
			Selenium	0.00	mg/l		
B0 2105.00	MOKELUMNE RIVER AT WOODBRIDGE	05-04-71 0830	Arsenic	0.00	mg/l	5050	5050
			Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.0	ug/l		
			Selenium	0.00	mg/l		
		05-20-71 1330	Arsenic	0.00	mg/l	5050	5050
			Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.	ug/l		
			Selenium	0.0	mg/l		
B0 2515.01	CALAVERAS RIVER AT STOCKTON	05-19-71 1530	Arsenic	0.00	mg/l	5050	5050
			Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.0	ug/l		
			Selenium	0.00	mg/l		
B0 2580.00	STOCKTON DIVERTING CANAL AT STOCKTON	05-20-71 0830	Arsenic	0.00	mg/l	5050	5050
			Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.0	ug/l		
			Selenium	0.00	mg/l		
B0 7020.00	SAN JOAQUIN RIVER NEAR VERNALIS	10-06-70 0920	Chemical Oxygen Demand	16	mg/l	5050	5050
			Ultimate Oxygen Demand	21	mg/l		
		10-08-70 1200	Secchi Disk	0.7	ft.	5001	
		10-20-70 1450	Chemical Oxygen Demand	2	mg/l	5050	5050
			Ultimate Oxygen Demand	6	mg/l		
		03-05-71 1000	Secchi Disk	1.0	ft.	5001	
		04-06-71 0945	Secchi Disk	1.0	ft.	5001	
		06-02-71 1030	Secchi Disk	0.8	ft.	5001	
		06-30-71 1015	Secchi Disk	0.8	ft.	5001	

TABLE D-3 (Cont.)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
BO 7020.00	SAN JOAQUIN RIVER NEAR VERNALIS (Continued)	08-03-71 1400	Secchi Disk	0.5	ft.	5001	
		08-31-71 1500	Secchi Disk	1.0	ft.	5001	
		09-28-71 1130	Secchi Disk	1.8	ft.	5001	
B1 1150.00	COSUMNES RIVER AT MICHIGAN BAR	05-18-71 0700	Arsenic	0.00	mg/l	5050	5050
			Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.0	ug/l		
			Selenium	0.00	mg/l		
B2 1150.00	DRY CREEK NEAR IONE	05-18-71 0820	Arsenic	0.03	mg/l	5050	5050
			Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.0	ug/l		
			Selenium	0.00	mg/l		
B2 1375.00	MOKELUMNE RIVER NEAR MOKELUMNE HILL	06-02-71 1145	Arsenic	0.00	mg/l	5050	5050
			Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.2	ug/l		
			Selenium	0.00	mg/l		
B9 D 747.2 118.4	SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	10-06-70 0847	Chemical Oxygen Demand	17	mg/l	5050	5050
			Ultimate Oxygen Demand	22	mg/l		
		10-20-70 --	Chemical Oxygen Demand	3	mg/l	5050	5050
			Ultimate Oxygen Demand	7	mg/l		
		05-14-71 1315	Arsenic	0.00	mg/l	5050	5050
			Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.0	ug/l		
			Selenium	0.00	mg/l		
B9 D 748.3 126.9	OLD RIVER AT TRACY ROAD BRIDGE	10-06-70 --	Chemical Oxygen Demand	32	mg/l	5001	5050
			Ultimate Oxygen Demand	41	mg/l		
		10-13-70 0735	Chemical Oxygen Demand	18	mg/l	5001	5050
			Ultimate Oxygen Demand	27	mg/l		
		10-13-70 1250	Secchi Disk	1.0	ft.	5001	
			BOD (5 days)	6.9	mg/l		5001
			Suspended Solids	52	mg/l	5001	5006
		10-20-70 0500	Chemical Oxygen Demand	18	mg/l	5001	5050
			Ultimate Oxygen Demand	25	mg/l		
		11-05-70 0730	Chemical Oxygen Demand	22	mg/l	5001	5050
			Ultimate Oxygen Demand	28	mg/l		
		11-17-70 1230	Secchi Disk	1.3	ft.	5001	
		02-17-71 1415	Secchi Disk	1.8	ft.	5001	
			BOD (5 days)	2.3	mg/l		5001
		03-22-71 1220	Secchi Disk	1.2	ft.	5001	
		04-28-71 1450	Secchi Disk	0.9	ft.	5001	
			BOD (5 days)	5.8	mg/l		5001
			Suspended Solids	30		5001	5006
		05-18-71 1500	Secchi Disk	0.8	ft.	5001	
			BOD (5 days)	10.8	mg/l		5001
		06-09-71 1528	Secchi Disk	0.9	ft.	5001	
			BOD (5 days)	8.2	mg/l		5001
		07-15-71 1510	Secchi Disk	1.2	ft.	5001	
			BOD (5 days)	14.0	mg/l		5001
			Suspended Solids	96	mg/l	5001	5006
			Volatile Suspended Solids	13	mg/l		
		08-09-71 1305	Secchi Disk	0.8	ft.	5001	
			BOD (5 days)	2.9	mg/l		5001
		09-13-71 1425	Secchi Disk	1.3	ft.	5001	
			BOD (5 days)	6.3	mg/l		5001
B9 D 748.5 120.0	OLD RIVER BELOW HEAD	10-06-70 --	Chemical Oxygen Demand	27	mg/l	5001	5050
			Ultimate Oxygen Demand	33	mg/l		
		10-13-70 0630	Chemical Oxygen Demand	11	mg/l	5001	5050
			Ultimate Oxygen Demand	16	mg/l		
		10-20-70 0610	Chemical Oxygen Demand	10	mg/l	5001	5050
			Ultimate Oxygen Demand	14	mg/l		
		11-05-70 0905	Chemical Oxygen Demand	15	mg/l	5001	5050
			Ultimate Oxygen Demand	18	mg/l		

TABLE D-3 (Cont.)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 749.3 122.5	OLD RIVER AT JUNCTION WITH MIDDLE RIVER	10-06-70 --	Chemical Oxygen Demand	20	mg/l	5001	5050
			Ultimate Oxygen Demand	26	mg/l		
		10-13-70 0645	Chemical Oxygen Demand	10	mg/l	5001	5050
			Ultimate Oxygen Demand	14	mg/l		
		10-20-70 0540	Chemical Oxygen Demand	6	mg/l	5001	5050
			Ultimate Oxygen Demand	10	mg/l		
		11-05-70 0805	Chemical Oxygen Demand	13	mg/l	5001	5050
			Ultimate Oxygen Demand	16	mg/l		
B9 D 749.5 133.1	OLD RIVER AT CLIFTON COURT FERRY	05-14-71 1200	Arsenic	0.00	mg/l	5050	5050
			Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.0	ug/l		
			Selenium	0.00	mg/l		
B9 D 751.9 119.3	SAN JOAQUIN RIVER AT BRANDT BRIDGE	10-06-70 0748	Chemical Oxygen Demand	21	mg/l	5050	5050
			Ultimate Oxygen Demand	26	mg/l		
		10-20-70 --	Chemical Oxygen Demand	2	mg/l	5050	5050
			Ultimate Oxygen Demand	6	mg/l		
B9 D 752.6 122.9	MIDDLE RIVER AT WILLIAMS BRIDGE NEAR HOLT	10-13-70 1215	Secchi Disk	0.8	ft.	5001	
			BOD (5 days)	5.3	mg/l		5001
			Suspended Solids	95	mg/l	5001	5006
		11-17-70 1140	Secchi Disk	1.2	ft.	5001	
		02-17-71 1305	Secchi Disk	1.3	ft.	5001	
			BOD (5 days)	1.3	mg/l		5001
		03-22-71 1110	Secchi Disk	1.0	ft.	5001	
		04-28-71 1415	Secchi Disk	0.7	ft.	5001	
			BOD (5 days)	3.6	mg/l		5001
			Suspended Solids	85	mg/l	5001	5006
		05-18-71 1425	Secchi Disk	0.5	ft.	5001	
		06-09-71 1445	Secchi Disk	0.7	ft.	5001	
			BOD (5 days)	3.8	mg/l		5001
		07-15-71 1405	Secchi Disk	0.6	ft.	5001	
			BOD (5 days)	2.0	mg/l		5001
			Suspended Solids	111	mg/l	5001	5006
			Volatile Suspended Solids	16	mg/l		
		08-09-71 1340	Secchi Disk	0.8	ft.	5001	
			BOD (5 days)	7.2	mg/l		5001
		09-13-71 1500	Secchi Disk	0.8	ft.	5001	
			BOD (5 days)	2.6	mg/l		5001
B9 D 753.5 129.3	MIDDLE RIVER AT BORDEN HIGHWAY	10-13-70 1135	Secchi Disk	1.0	ft.	5001	
		11-17-70 1050	Secchi Disk	1.3	ft.	5001	
		02-17-71 1300	Secchi Disk	0.9	ft.	5001	
		03-22-71 1030	Secchi Disk	1.3	ft.	5001	
		04-28-71 1335	Secchi Disk	0.7	ft.	5001	
		05-18-71 1340	Secchi Disk	0.7	ft.	5001	
		06-09-71 1350	Secchi Disk	0.5	ft.	5001	
		07-15-71 1330	Secchi Disk	0.9	ft.	5001	
		08-09-71 1230	Secchi Disk	1.0	ft.	5001	
		09-13-71 1350	Secchi Disk	0.9	ft.	5001	
B9 D 756.1 125.8	WHISKY SLOUGH AT HOLT	10-13-70 1050	Secchi Disk	1.2	ft.	5001	
			BOD (5 days)	2.1	mg/l		5001
			Suspended Solids	12	mg/l	5001	5006
		11-17-70 1005	Secchi Disk	1.3	ft.	5001	
		02-17-71 1210	Secchi Disk	1.5	ft.	5001	
			BOD (5 days)	1.4	mg/l		5001
		03-22-71 0950	Secchi Disk	1.3	ft.	5001	

TABLE D-3 (Cont.)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 756.1 125.8	WHISKY SLOUGH AT HOLT (Continued)	04-28-71	Secchi Disk	1.1	ft.	5001	
		1250	BOD (5 days)	3.6	mg/l		5001
			Suspended Solids	39	mg/l	5001	5006
		05-18-71	Secchi Disk	1.0	ft.	5001	
		1315	BOD (5 days)	2.2	mg/l		5001
		06-09-71	Secchi Disk	1.3	ft.	5001	
		1314	BOD (5 days)	1.2	mg/l		5001
		07-15-71	Secchi Disk	0.7	ft.	5001	
		1255	BOD (5 days)	4.5	mg/l		5001
			Suspended Solids	27	mg/l	5001	5006
			Volatile Suspended Solids	8	mg/l		
		08-09-71	Secchi Disk	1.0	ft.	5001	
		1145	BOD (5 days)	3.9	mg/l		5001
		09-13-71	Secchi Disk	1.8	ft.	5001	
		1310	BOD (5 days)	2.6	mg/l		5001
B9 D 757.8 121.9	STOCKTON SHIP CHANNEL AT BURNS CUTOFF	10-06-70	Chemical Oxygen Demand	19	mg/l	5050	5050
		0633	Ultimate Oxygen Demand	27	mg/l		
		10-20-70	Chemical Oxygen Demand	6	mg/l	5050	5050
		--	Ultimate Oxygen Demand	10	mg/l		
B9 D 758.7 122.9	SAN JOAQUIN RIVER AT BUCKLEY COVE	10-12-70	Secchi Disk	1.0	ft.	5001	
		1330	BOD (5 days)	5.5	mg/l		5001
			Suspended Solids	30	mg/l	5001	5006
			Cadmium	<0.01	mg/l		
			Chromium	<0.01	mg/l		
			Copper	<0.1	mg/l		
			Iron	<0.1	mg/l		
			Lead	<0.01	mg/l		
			Manganese, Total	<0.05	mg/l		
			Zinc	<0.1	mg/l		
		11-16-70	Secchi Disk	1.4	ft.	5001	
		1245	BOD (5 days)	2.5	mg/l		5001
			Cadmium	<0.01	mg/l	5001	5006
			Chromium	<0.01	mg/l		
			Copper	<0.05	mg/l		
			Iron	<0.1	mg/l		
			Lead	<0.01	mg/l		
			Manganese, Total	<0.05	g/l		
			Zinc	<0.1	mg/l		
		02-17-71	Secchi Disk	2.0	ft.	5001	
		1135	BOD (5 days)	2.0	mg/l		5001
		03-22-71	Secchi Disk	2.2	ft.	5001	
		1305	BOD (5 days)	2.1	mg/l		5001
			Cadmium	<0.01	mg/l	5001	5006
			Chromium	<0.01	mg/l		
			Copper	<0.05	mg/l		
			Iron	<0.1	mg/l		
			Lead	<0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc	<0.1	mg/l		
		04-28-71	Secchi Disk	1.3	ft.	5001	
		1135	BOD (5 days)	3.8	mg/l		5001
			Suspended Solids	37	mg/l	5001	5006
			Cadmium, Total	<0.01	mg/l		
			Chromium	<0.01	mg/l		
			Copper, Total	<0.05	mg/l		
			Iron	<0.1	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc, Total	<0.1	mg/l		
		05-18-71	Secchi Disk	1.1	ft.	5001	
		1220	BOD (5 days)	6.0	mg/l		5001
			Cadmium, Total	<0.01	mg/l	5001	5006
			Chromium	<0.01	mg/l		
			Copper, Total	<0.05	mg/l		
			Iron	0.48	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	0.12	mg/l		
			Zinc, Total	0.03	mg/l		
		06-09-71	Secchi Disk	1.0	ft.	5001	
		1230	BOD (5 days)	3.7	mg/l		5001
		07-15-71	Secchi Disk	1.1	ft.	5001	
		1215	BOD (5 days)	3.7	mg/l		5001
			Suspended Solids	45	mg/l	5001	5006
			Volatile Suspended Solids	12	mg/l		
			Cadmium, Total	<0.01	mg/l		
			Chromium	<0.01	mg/l		
			Copper, Total	<0.05	mg/l		
			Iron	<0.1	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc, Total	0.04	mg/l		

TABLE D-3 (Cont.)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 758.7 122.9	SAN JOAQUIN RIVER AT BUCKLEY COVE	08-09-71 1100	Secchi Disk	0.8	ft.	5001	
			BOD (5 days)	1.5	mg/l		5001
			Cadmium, Total	<0.01	mg/l	5001	5006
			Chromium	<0.01	mg/l		
			Copper, Total	<0.05	mg/l		
			Iron	<0.1	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc, Total	0.03	mg/l		
		09-13-71 1200	Secchi Disk	1.9	ft.	5001	
			BOD (5 days)	2.7	mg/l		5001
			Cadmium, Total	<0.01	mg/l	5001	5006
			Chromium	<0.01	mg/l		
			Copper, Total	<0.05	mg/l		
			Iron	<0.1	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	0.2	mg/l		
			Zinc, Total	0.02	mg/l		
B9 D 759.8 125.1	SAN JOAQUIN RIVER AT RINDGE PUMP	06-02-71 1015	Araenic	0.00	mg/l	5050	5050
			Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.0	ug/l		
			Selenium	0.00	mg/l		
B9 D 759.9 126.6	SAN JOAQUIN RIVER AT LIGHT 24	10-06-70 0605	Chemical Oxygen Demand	14	mg/l	5050	5050
			Ultimate Oxygen Demand	17	mg/l		
		10-20-70 --	Chemical Oxygen Demand	5	mg/l	5050	5050
			Ultimate Oxygen Demand	10	mg/l		
B9 D 800.5 134.8	OLD RIVER AT HOLLAND TRACT	10-08-70 1430	Secchi Disk	0.8	ft.	5001	
			BOD (5 days)	0.7	mg/l		5001
		03-05-71 1145	Secchi Disk	1.4	ft.	5001	
		04-06-71 1215	Secchi Disk	1.2	ft.	5001	
		05-04-71 1400	Secchi Disk	1.1	ft.	5001	
		06-02-71 1330	Secchi Disk	0.8	ft.	5001	
		06-30-71 1225	Secchi Disk	1.2	ft.	5001	
		08-03-71 1520	Secchi Disk	1.0	ft.	5001	
		08-31-71 1600	Secchi Disk	1.3	ft.	5001	
		09-28-71 1250	Secchi Disk	1.3	ft.	5001	
B9 D 800.7 138.4	DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	10-08-70 1330	Secchi Disk	1.0	ft.	5001	
			BOD (5 days)	1.1	mg/l		5001
		03-05-71 1250	Secchi Disk	1.1	ft.	5001	
		04-06-71 1300	Secchi Disk	1.0	ft.	5001	
		05-04-71 1440	Secchi Disk	1.1	ft.	5001	
		06-02-71 1410	Secchi Disk	1.0	ft.	5001	
		06-30-71 1300	Secchi Disk	1.0	ft.	5001	
		08-03-71 1600	Secchi Disk	1.1	ft.	5001	
		08-31-71 1630	Secchi Disk	1.2	ft.	5001	
		09-28-71 1400	Secchi Disk	1.3	ft.	5001	
B9 D 801.1 142.6	BIG BREAK NEAR OAKLEY	10-07-70 1305	Secchi Disk	0.8	ft.	5001	
			BOD (5 days)	1.3	mg/l		5001
			Suspended Solids	76	mg/l	5001	5006
		11-23-70 1210	Secchi Disk	2.2	ft.	5001	
			Suspended Solids	6	mg/l		5006
		03-03-71 0940	Secchi Disk	1.7	ft.	5001	
			BOD (5 days)	0.6	mg/l		5001
			BOD (7 days)	1.0	mg/l		
			Suspended Solids	23	mg/l	5001	5006
		03-24-71 1515	Secchi Disk	1.3	ft.	5001	

TABLE D-3 (Cont.)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 801.1 142.6	BIG BREAK NEAR OAKLEY (Continued)	04-06-71 1440	Secchi Disk	0.9	ft.	5001	
			BOD (5 days)	0.4	mg/l		5001
			BOD (7 days)	0.9	mg/l		
		04-21-71 1415	Secchi Disk	1.0	ft.	5001	
		05-05-71 1425	Secchi Disk	1.3	ft.	5001	
			BOD (7 days)	2.2	mg/l		5001
			Suspended Solids	29	mg/l	5001	5006
		05-19-71 1510	Secchi Disk	1.1	ft.	5001	
		06-03-71 1450	Secchi Disk	1.0	ft.	5001	
			Suspended Solids	47	mg/l		5006
			Volatile Suspended Solids	11	mg/l		
			Cadmium, Total	<0.01	mg/l		
			Chromium	<0.01	mg/l		
			Copper, Total	0.06	mg/l		
			Iron	0.2	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc, Total	0.03	mg/l		
		06-16-71 1340	Secchi Disk	1.1	ft.	5001	
		07-01-71 1315	Secchi Disk	1.0	ft.	5001	
			BOD (7 days)	2.2	mg/l		5001
			Suspended Solids	32	mg/l	5001	5006
			Volatile Suspended Solids	5	mg/l		
		07-15-71 1330	Secchi Disk	1.5	ft.	5001	
		08-04-71 1605	Secchi Disk	1.1	ft.	5001	
			BOD (7 days)	1.6	mg/l		5001
			Suspended Solids	29	mg/l	5001	5006
			Volatile Suspended Solids	6	mg/l		
		08-17-71 1725	Secchi Disk	1.2	ft.	5001	
		09-01-71 1620	Secchi Disk	1.3	ft.	5001	
			BOD (7 days)	2.0	mg/l		5001
			Suspended Solids	34	mg/l	5001	5006
			Volatile Suspended Solids	4	mg/l		
		09-15-71 1600	Secchi Disk	1.5	ft.	5001	
		09-29-71 1430	Secchi Disk	1.3	ft.	5001	
			BOD (7 days)	1.9	mg/l		5001
			Suspended Solids	17	mg/l	5001	5006
			Volatile Suspended Solids	5	mg/l		
B9 D 801.1 148.1	SAN JOAQUIN RIVER AT ANTIOCH	05-14-71 0745	Arsenic	0.00	mg/l	5050	5050
			Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.0	ug/l		
			Selenium	0.00	mg/l		
B9 D 801.2 148.5	SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL	10-07-70 1230	Secchi Disk	1.0	ft.	5001	
			BOD (5 days)	2.1	mg/l		5001
			Suspended Solids	41	mg/l	5001	5006
		11-20-70 1205	Secchi Disk	1.3	ft.	5001	
			BOD (5 days)	1.1	mg/l		5001
			Suspended Solids	22	mg/l	5001	5006
			Cadmium	<0.01	mg/l		
			Chromium	<0.01	mg/l		
			Copper	<0.05	mg/l		
			Iron	<0.1	mg/l		
			Lead	0.75	mg/l		
			Manganese, Total	<0.05	mg/l		
			Zinc	0.17	mg/l		
		03-03-71 0835	Secchi Disk	1.6	ft.	5001	
			BOD (5 days)	0.9	mg/l		5001
			BOD (7 days)	1.0	mg/l		
			Suspended Solids	35	mg/l	5001	5006
		03-24-71 1415	Secchi Disk	0.9	ft.	5001	
		04-06-71 1320	Secchi Disk	0.9	ft.	5001	
			BOD (5 days)	0.6	mg/l		5001
			BOD (7 days)	1.2	mg/l		
		04-21-71 1315	Secchi Disk	1.1	ft.	5001	
		05-05-71 1340	Secchi Disk	1.3	ft.	5001	
			BOD (7 days)	2.3	mg/l		5001
			Suspended Solids	38	mg/l	5001	5006
		05-19-71 1410	Secchi Disk	1.3	ft.	5001	

TABLE D-3 (Cont.)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 801.2 148.5	SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL (Continued)	06-03-71 1410	Secchi Disk	1.1	ft.	5001	
			Suspended Solids	40	mg/l		5006
			Volatile Suspended Solids	7	mg/l		
		06-16-71 1225	Secchi Disk	1.7	ft.	5001	
		07-01-71 1225	Secchi Disk	1.2	ft.	5001	
			BOD (7 days)	2.5	mg/l		5001
			Suspended Solids	32	mg/l	5001	5006
			Volatile Suspended Solids	5	mg/l		
		07-15-71 1235	Secchi Disk	1.5	ft.	5001	
		08-04-71 1515	Secchi Disk	1.0	ft.	5001	
			BOD (5 days)	1.8	mg/l		5001
			Suspended Solids	35	mg/l	5001	5006
			Volatile Suspended Solids	5	mg/l		
		08-17-71 1650	Secchi Disk	1.0	ft.	5001	
			BOD (5 days)	1.8	mg/l		5001
			Suspended Solids	35	mg/l	5001	5006
			Volatile Suspended Solids	5	mg/l		
		09-01-71 1540	Secchi Disk	1.2	ft.	5001	
			BOD (7 days)	1.6	mg/l		5001
			Suspended Solids	51	mg/l	5001	5006
			Volatile Suspended Solids	5	mg/l		
		09-15-71 1530	Secchi Disk	1.2	ft.	5001	
		09-29-71 1340	Secchi Disk	1.5	ft.	5001	
			BOD (7 days)	1.9	mg/l		5001
			Suspended Solids	31	mg/l	5001	5006
			Volatile Suspended Solids	8	mg/l		
B9 D 801.6 145.2	SAN JOAQUIN RIVER AT ANTIOCH BRIDGE (AT LIGHT 12)	10-09-70 1430	Secchi Disk	1.7	ft.	5001	
			BOD (5 days)	2.1	mg/l		5001
			Suspended Solids	13	mg/l	5001	5006
		11-20-70 1315	Secchi Disk	2.0	ft.	5001	
			BOD (5 days)	0.9	mg/l		5001
			Suspended Solids	13	mg/l	5001	5006
		03-03-71 0920	Secchi Disk	2.0	ft.	5001	
			BOD (5 days)	0.8	mg/l		5001
			BOD (7 days)	1.0	mg/l		
			Suspended Solids	16	mg/l	5001	5006
		03-24-71 1430	Secchi Disk	1.3	ft.	5001	
		04-06-71 1420	Secchi Disk	1.3	ft.	5001	
			BOD (5 days)	0.7	mg/l		5001
			BOD (7 days)	1.2	mg/l		
		04-21-71 1330	Secchi Disk	1.5	ft.	5001	
		05-05-71 1400	Secchi Disk	1.3	ft.	5001	
			BOD (7 days)	2.1	mg/l		5001
			Suspended Solids	32	mg/l	5001	5006
			Cadmium, Total	0.01	mg/l		
			Chromium	<0.01	mg/l		
			Copper, Total	<0.05	mg/l		
			Iron	<0.1	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc, Total	0.01	mg/l		
		05-19-71 1430	Secchi Disk	1.3	ft.	5001	
		06-03-71 1430	Secchi Disk	1.5	ft.	5001	
			Suspended Solids	33	mg/l		5006
			Volatile Suspended Solids	7	mg/l		
			Cadmium, Total	<0.01	mg/l		
			Chromium	<0.01	mg/l		
			Copper, Total	0.07	mg/l		
			Iron	0.1	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc, Total	0.03	mg/l		
		06-16-71 1245	Secchi Disk	1.7	ft.	5001	
		07-01-71 1250	Secchi Disk	1.3	ft.	5001	
			BOD (7 days)	2.1	mg/l		5001
			Suspended Solids	28	mg/l	5001	5006
			Volatile Suspended Solids	6	mg/l		
			Cadmium, Total	<0.01	mg/l		
			Chromium	<0.01	mg/l		
			Copper, Total	<0.05	mg/l		
			Iron	<0.1	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc, Total	0.04	mg/l		

TABLE D-3 (Cont.)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 801.6 145.2	SAN JOAQUIN RIVER AT ANTIOCH BRIDGE (AT LIGHT 12) (Continued)	07-15-71 1250	Secchi Disk	1.7	ft.	5001	
		08-04-71 1535	Secchi Disk	1.2	ft.	5001	
			BOD (7 days)	2.1	mg/l		5001
			Suspended Solids	32	mg/l	5001	5006
			Volatile Suspended Solids	5	mg/l		
			Cadmium, Total	<0.01	mg/l		
			Chromium	<0.01	mg/l		
			Copper, Total	<0.05	mg/l		
			Iron	<0.1	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc, Total	0.02	mg/l		
		08-17-71 1705	Secchi Disk	1.1	ft.	5001	
		09-01-71 1600	Secchi Disk	1.2	ft.	5001	
			BOD (7 days)	1.7	mg/l		5001
			Suspended Solids	24	mg/l	5001	5006
			Volatile Suspended Solids	3	mg/l		
		09-15-71 1540	Secchi Disk	1.5	ft.	5001	
			Cadmium, Total	<0.01	mg/l		5006
			Chromium	<0.01	mg/l		
			Copper, Total	<0.05	mg/l		
			Iron	<0.1	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc, Total	0.02	mg/l		
		09-29-71 1405	Secchi Disk	1.7	ft.	5001	
			BOD (7 days)	1.8	mg/l		5001
			Suspended Solids	26	mg/l	5001	5006
			Volatile Suspended Solids	7	mg/l		
B9 D 801.9 151.4	NEW YORK SLOUGH NEAR PITTSBURG POINT	10-09-70 1405	Secchi Disk	1.0	ft.	5001	
			BOD (5 days)	1.7	mg/l		5001
		03-03-71 0810	Secchi Disk	1.4	ft.	5001	
		05-05-71 1320	Secchi Disk	1.3	ft.	5001	
			Cadmium, Total	<0.01	mg/l		5006
			Chromium	<0.01	mg/l		
			Copper, Total	<0.05	mg/l		
			Iron	<0.1	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc, Total	<0.01	mg/l		
		06-03-71 1350	Secchi Disk	1.2	ft.	5001	
			Cadmium, Total	<0.01	mg/l		5006
			Chromium	<0.01	mg/l		
			Copper, Total	0.05	mg/l		
			Iron	0.1	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc, Total	0.03	mg/l		
		07-01-71 1200	Secchi Disk	1.0	ft.	5001	
			Cadmium, Total	<0.01	mg/l		5006
			Chromium	<0.01	mg/l		
			Copper, Total	<0.05	mg/l		
			Iron	0.1	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc, Total	0.05	mg/l		
		08-04-71 1455	Secchi Disk	0.8	ft.	5001	
			Cadmium, Total	<0.01	mg/l		5006
			Chromium	<0.01	mg/l		
			Copper, Total	<0.05	mg/l		
			Iron	<0.01	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc, Total	0.02	mg/l		
		09-01-71 1520	Secchi Disk	1.0	ft.	5001	
		09-29-71 1315	Secchi Disk	1.5	ft.	5001	
B9 D 802.6 136.8	FRANKS TRACT NEAR RUSSOS LANDING	10-07-70 1425	Secchi Disk	1.6	ft.	5001	
			BOD (5 days)	1.2	mg/l		5001
			Suspended Solids	30	mg/l	5001	5006
		11-23-70 1315	Secchi Disk	1.8	ft.	5001	
			Suspended Solids	17	mg/l		5006
		03-03-71 1055	Secchi Disk	1.7	ft.	5001	
			BOD (5 days)	0.6	mg/l		5001
			BOD (7 days)	0.8	mg/l		
			Suspended Solids	18	mg/l	5001	5006
		03-24-71 1645	Secchi Disk	1.2	ft.	5001	

TABLE D-3 (Cont.)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 802.6 136.8	FRANKS TRACT NEAR RUSSOS LANDING (Continued)	04-06-71 1540	Secchi Disk	1.0	ft.	5001	
			BOD (5 days)	0.4	mg/l		5001
			BOD (7 days)	0.9	mg/l		
		04-21-71 1550	Secchi Disk	1.1	ft.	5001	
		05-05-71 1600	Secchi Disk	1.1	ft.	5001	
			BOD (7 days)	2.1	mg/l		5001
			Suspended Solids	34	mg/l	5001	5006
		05-19-71 1655	Secchi Disk	1.1	ft.	5001	
		06-03-71 1615	Secchi Disk	1.0	ft.	5001	
			Suspended Solids	67	mg/l		5006
			Volatile Suspended Solids	13	mg/l		
			Cadmium, Total	<0.01	mg/l		
			Chromium	<0.01	mg/l		
			Copper, Total	0.05	mg/l		
			Iron	0.1	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc, Total	0.03	mg/l		
		06-16-71 1535	Secchi Disk	1.0	ft.	5001	
		07-01-71 1450	Secchi Disk	1.6	ft.	5001	
			BOD (7 days)	2.2	mg/l		5001
			Suspended Solids	33	mg/l	5001	5006
			Volatile Suspended Solids	4	mg/l		
		07-15-71 1505	Secchi Disk	1.3	ft.	5001	
		08-04-71 1730	Secchi Disk	1.0	ft.	5001	
			BOD (7 days)	1.6	mg/l		5001
			Suspended Solids	38	mg/l	5001	5006
			Volatile Suspended Solids	5	mg/l		
		08-16-71 1530	Secchi Disk	1.1	ft.	5001	
		09-01-71 1735	Secchi Disk	1.1	ft.	5001	
			BOD (7 days)	1.8	mg/l		5001
			Suspended Solids	47	mg/l	5001	5006
			Volatile Suspended Solids	8	mg/l		
		09-14-71 1650	Secchi Disk	1.2	ft.	5001	
		09-29-71 1550	Secchi Disk	1.3	ft.	5001	
			BOD (7 days)	1.2	mg/l		5001
			Suspended Solids	20	mg/l	5001	5006
			Volatile Suspended Solids	8	mg/l		
B9 D 802.6 147.6	SHERMAN LAKE NEAR ANTIOCH	10-08-70 1300	Secchi Disk	1.3	ft.	5001	
			BOD (5 days)	1.4	mg/l		5001
			Suspended Solids	29	mg/l	5001	5006
		11-20-70 1240	Secchi Disk	1.5	ft.	5001	
			BOD (5 days)	0.9	mg/l		5001
			Suspended Solids	3	mg/l	5001	5006
		03-03-71 0900	Secchi Disk	1.8	ft.	5001	
			BOD (5 days)	0.7	mg/l		5001
			BOD (7 days)	0.8	mg/l		
			Suspended Solids	23	mg/l	5001	5006
		03-23-71 1240	Secchi Disk	1.3	ft.	5001	
		04-06-71 1355	Secchi Disk	0.8	ft.	5001	
			BOD (5 days)	0.5	mg/l		5001
			BOD (7 days)	1.1	mg/l		
		04-20-71 1115	Secchi Disk	1.2	ft.	5001	
		05-04-71 1405	Secchi Disk	1.3	ft.	5001	
			BOD (7 days)	1.3	mg/l		5001
			Suspended Solids	28	mg/l	5001	5006
		05-18-71 1110	Secchi Disk	1.2	ft.	5001	
		06-02-71 1325	Secchi Disk	1.3	ft.	5001	
			BOD (7 days)	1.3	mg/l		5001
			Suspended Solids	40	mg/l	5001	5006
			Volatile Suspended Solids	7	mg/l		
		06-15-71 1035	Secchi Disk	1.3	ft.	5001	
		06-30-71 1200	Secchi Disk	1.0	ft.	5001	
			BOD (7 days)	1.6	mg/l		5001
			Suspended Solids	43	mg/l	5001	5006
			Volatile Suspended Solids	4	mg/l		
		07-14-71 0920	Secchi Disk	1.3	ft.	5001	

TABLE D-3 (Cont.)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 802.6 147.6	SHERMAN LAKE NEAR ANTIOCH (Continued)	08-03-71	Secchi Disk	1.2	ft.	5001	
		1625	BOD (7 days)	1.5	mg/l		5001
			Suspended Solids	47	mg/l	5001	5006
			Volatile Suspended Solids	7	mg/l		
		08-16-71	Secchi Disk	0.8	ft.	5001	
		1330					
		08-31-71	Secchi Disk	1.0	ft.	5001	
		1520	BOD (7 days)	1.4	mg/l		5001
			Suspended Solids	45	mg/l	5001	5006
			Volatile Suspended Solids	6	mg/l		
		09-14-71	Secchi Disk	1.2	ft.	5001	
		1415					
		09-28-71	Secchi Disk	1.3	ft.	5001	
		1320	BOD (7 days)	3.1	mg/l		5001
			Suspended Solids	24	mg/l	5001	5006
			Volatile Suspended Solids	8	mg/l		
B9 D 802.7 123.3	DISAPPOINTMENT SLOUGH NEAR LODI	10-12-70	Secchi Disk	0.8	ft.	5001	
		1145	BOD (5 days)	2.7	mg/l		5001
			Suspended Solids	51	mg/l	5001	5006
		11-16-70	Secchi Disk	1.0	ft.	5001	
		1120	BOD (5 days)	1.6	mg/l		5001
		02-17-71	Secchi Disk	1.3	ft.	5001	
		1035	BOD (5 days)	2.3	mg/l		5001
		03-22-71	Secchi Disk	1.1	ft.	5001	
		1155	BOD (5 days)	2.8	mg/l		
		04-28-71	Secchi Disk	1.0	ft.	5001	
		1010	BOD (5 days)	2.7	mg/l		5001
			Suspended Solids	50	mg/l	5001	5006
		05-18-71	Secchi Disk	1.0	ft.	5001	
		1050	BOD (5 days)	3.2	mg/l		5001
		06-09-71	Secchi Disk	0.6	ft.	5001	
		1050	BOD (5 days)	3.0	mg/l		5001
		07-15-71	Secchi Disk	0.7	ft.	5001	
		1045	BOD (5 days)	2.9	mg/l		5001
			Suspended Solids	80	mg/l	5001	5006
			Volatile Suspended Solids	15	mg/l		
		08-09-71	Secchi Disk	0.8	ft.	5001	
		0955	BOD (5 days)	3.0	mg/l		5001
		09-13-71	Secchi Disk	0.9	ft.	5001	
		1040	BOD (5 days)	3.2	mg/l		5001
B9 D 803.1 141.3	SAN JOAQUIN RIVER AT JERSEY POINT	10-01-70	Secchi Disk	1.5	ft.	5001	
		1300	BOD (5 days)	1.2	mg/l		5001
			Suspended Solids	44	mg/l	5001	5006
		10-07-70	Secchi Disk	1.5	ft.	5001	
		1350	BOD (5 days)	1.4	mg/l		5001
			Suspended Solids	20	mg/l	5001	5006
		10-15-70	Secchi Disk	1.7	ft.	5001	
		1130	BOD (5 days)	0.8	mg/l		5001
			Suspended Solids	156	mg/l	5001	5006
		10-22-70	Secchi Disk	2.0	ft.	5001	
		1130	BOD (5 days)	1.9	mg/l		5001
			Suspended Solids	25	mg/l	5001	5006
		10-29-70	Secchi Disk	1.5	ft.	5001	
		1115	Suspended Solids	16	mg/l		5006
		11-23-70	Secchi Disk	1.9	ft.	5001	
		1245	Suspended Solids	12	mg/l		5006
		03-03-71	Secchi Disk	1.8	ft.	5001	
		1000	BOD (5 days)	0.8	mg/l		5001
			BOD (7 days)	0.9	mg/l		
			Suspended Solids	16	mg/l	5001	5006
		03-24-71	Secchi Disk	1.5	ft.	5001	
		1535					
		04-06-71	Secchi Disk	1.1	ft.	5001	
		1505	BOD (5 days)	0.5	mg/l		5001
			BOD (7 days)	0.8	mg/l		
		04-21-71	Secchi Disk	1.0	ft.	5001	
		1440					
		05-05-71	Secchi Disk	1.4	ft.	5001	
		1450	BOD (7 days)	1.8	mg/l		5001
			Suspended Solids	30	mg/l	5001	5006
			Cadmium, Total	<0.01	mg/l		
			Chromium	<0.01	mg/l		
			Copper, Total	<0.05	mg/l		
			Iron	<0.1	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc, Total	<0.01	mg/l		

TABLE D-3 (Cont.)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 803.1 141.3	SAN JOAQUIN RIVER AT JERSEY POINT (Continued)	05-19-71 1535	Secchi Disk	1.2	ft.	5001	
		06-03-71 1510	Secchi Disk	1.1	ft.	5001	
			Suspended Solids	32	mg/l		5006
			Volatile Suspended Solids	7	mg/l		
			Cadmium, Total	<0.01	mg/l		
			Chromium	<0.01	mg/l		
			Copper, Total	0.06	mg/l		
			Iron	0.2	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc, Total	0.03	mg/l		
		06-16-71 1415	Secchi Disk	1.0	ft.	5001	
		07-01-71 1345	Secchi Disk	1.2	ft.	5001	
			BOD (7 days)	1.9	mg/l		5001
			Suspended Solids	26	mg/l	5001	5006
			Volatile Suspended Solids	2	mg/l		
			Cadmium, Total	<0.01	mg/l		
			Chromium	<0.01	mg/l		
			Copper, Total	<0.05	mg/l		
			Iron	0.1	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc, Total	0.02	mg/l		
		07-15-71 1355	Secchi Disk	2.0	ft.	5001	
		08-04-71 1630	Secchi Disk	1.2	ft.	5001	
			BOD (7 days)	1.6	mg/l		5001
			Suspended Solids	37	mg/l	5001	5006
			Volatile Suspended Solids	9	mg/l		
			Cadmium, Total	<0.01	mg/l		
			Chromium	<0.01	mg/l		
			Copper, Total	<0.05	mg/l		
			Iron	<0.1	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc, Total	0.03	mg/l		
		08-17-71 1745	Secchi Disk	1.4	ft.	5001	
		09-01-71 1645	Secchi Disk	1.4	ft.	5001	
			BOD (7 days)	1.7	mg/l		5001
			Suspended Solids	28	mg/l	5001	5006
			Volatile Suspended Solids	3	mg/l		
		09-15-71 1615	Secchi Disk	1.7	ft.	5001	
			Cadmium, Total	<0.01	mg/l		5006
			Chromium	<0.01	mg/l		
			Copper, Total	<0.05	mg/l		
			Iron	<0.1	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc, Total	<0.01	mg/l		
		09-29-71 1450	Secchi Disk	1.3	ft.	5001	
			BOD (7 days)	1.5	mg/l		5001
			Suspended Solids	16	mg/l	5001	5006
			Volatile Suspended Solids	6	mg/l		
B9 D 803.7 136.1	FALSE RIVER AT WEBB PUMP	10-07-70 1455	Secchi Disk	1.7	ft.	5001	
			BOD (5 days)	1.1	mg/l		5001
B9 D 804.4 134.2	OLD RIVER AT MOUTH	10-07-70 1525	Secchi Disk	2.2	ft.	5001	
			BOD (5 days)	1.2	mg/l		5001
			Suspended Solids	17	mg/l	5001	5006
		11-23-70 1340	Secchi Disk	1.8	ft.	5001	
			Suspended Solids	10	mg/l		5006
		03-03-71 1120	Secchi Disk	1.7	ft.	5001	
			BOD (5 days)	1.0	mg/l		5001
			BOD (7 days)	1.1	mg/l		
			Suspended Solids	19	mg/l	5001	5006
B9 D 804.7 134.0	SAN JOAQUIN RIVER AT POTATO POINT	03-03-71 1130	Secchi Disk	1.8	ft.	5001	
			BOD (5 days)	0.7	mg/l		5001
			BOD (7 days)	1.1	ft.		
			Suspended Solids	18	mg/l	5001	5006
		03-24-71 1620	Secchi Disk	1.2	ft.	5001	
		04-06-71 1605	Secchi Disk	0.8	ft.	5001	
			BOD (5 days)	0.6	mg/l		5001
			BOD (7 days)	0.8	mg/l		
		04-21-71 1525	Secchi Disk	0.9	ft.	5001	
		05-05-71 1630	Secchi Disk	1.4	ft.	5001	
			BOD (7 days)	1.1	mg/l		5001
			Suspended Solids	15	mg/l	5001	5006

TABLE D-3 (Cont.)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 804.7 134.0	SAN JOAQUIN RIVER AT POTATO POINT (Continued)	05-19-71 1625	Secchi Disk	1.2	ft.	5001	
		06-03-71 1640	Secchi Disk	1.2	ft.	5001	
			Suspended Solids	37	mg/l		5006
			Volatile Suspended Solids	10	mg/l		
			Cadmium, Total	<0.01	mg/l		
			Chromium	<0.01	mg/l		
			Copper, Total	0.06	mg/l		
			Iron	<0.1	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc, Total	0.03	mg/l		
		06-16-71 1605	Secchi Disk	1.4	ft.	5001	
		07-01-71 1515	Secchi Disk	1.3	ft.	5001	
			BOD (7 days)	1.5	mg/l		5001
			Suspended Solids	23	mg/l	5001	5006
			Volatile Suspended Solids	3	mg/l		
		07-15-71 1445	Secchi Disk	1.8	ft.	5001	
		08-04-71 1755	Secchi Disk	1.3	ft.	5001	
			BOD (7 days)	1.2	mg/l		5001
			Suspended Solids	25	mg/l	5001	5006
			Volatile Suspended Solids	4	mg/l		
		08-16-71 1605	Secchi Disk	1.3	ft.	5001	
		09-01-71 1800	Secchi Disk	1.5	ft.	5001	
			BOD (7 days)	1.6	mg/l		5001
			Suspended Solids	22	mg/l	5001	5006
			Volatile Suspended Solids	3	mg/l		
		09-14-71 1715	Secchi Disk	1.8	ft.	5001	
		09-29-71 1620	Secchi Disk	1.8	ft.	5001	
			BOD (7 days)	1.2	mg/l		5001
			Suspended Solids	13	mg/l	5001	5006
			Volatile Suspended Solids	1	mg/l		
B9 D 805.1 144.3	SACRAMENTO RIVER AT EMMATON	10-08-70 1330	Secchi Disk	1.7	ft.	5001	
			BOD (5 days)	1.3	mg/l		5001
		03-04-71 1045	Secchi Disk	1.3	ft.	5001	
		05-04-71 1440	Secchi Disk	1.8	ft.	5001	
		06-02-71 1405	Secchi Disk	1.6	ft.	5001	
		06-30-71 1235	Secchi Disk	1.5	ft.	5001	
		08-03-71 1700	Secchi Disk	1.4	ft.	5001	
		08-31-71 1600	Secchi Disk	1.1	ft.	5001	
		09-28-71 1355	Secchi Disk	1.7	ft.	5001	
B9 D 805.2 124.1	WHITE SLOUGH AT RIO BLANCO TRACT NEAR LODI	10-12-70 1115	Secchi Disk	1.3	ft.	5001	
			BOD (5 days)	4.0	mg/l		5001
			Suspended Solids	13	mg/l	5001	5006
		11-16-70 1045	Secchi Disk	1.0	ft.	5001	
			BOD (5 days)	3.6	mg/l		5001
		02-17-71 0925	Secchi Disk	1.1	ft.	5001	
			BOD (5 days)	3.8	mg/l		5001
		03-22-71 1120	Secchi Disk	1.2	ft.	5001	
			BOD (5 days)	12.0	mg/l		5001
		04-28-71 0915	Secchi Disk	1.3	ft.	5001	
			BOD (5 days)	3.2	mg/l		5001
			Suspended Solids	35	mg/l	5001	5006
		05-18-71 1015	Secchi Disk	1.0	ft.	5001	
			BOD (5 days)	9.2	mg/l		5001
		06-09-71 1002	Secchi Disk	0.7	ft.	5001	
			BOD (5 days)	6.5	mg/l		5001
		07-15-71 0945	Secchi Disk	0.7	ft.	5001	
			BOD (5 days)	8.1	mg/l		5001
			Suspended Solids	85	mg/l	5001	5006
			Volatile Suspended Solids	10	mg/l		
		08-09-71 0915	Secchi Disk	1.2	ft.	5001	
			BOD (5 days)	5.2	mg/l		5001
		09-13-71 0955	Secchi Disk	1.0	ft.	5001	
			BOD (5 days)	56.0	mg/l		5001

TABLE D-3 (Cont.)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 805.2 126.0	WHITE SLOUGH NEAR LODI	10-12-70	Secchi Disk	1.5	ft.	5001	
		1045	BOD (5 days)	1.5	mg/l		5001
			Suspended Solids	14	mg/l	5001	5006
		11-16-70	Secchi Disk	1.3	ft.	5001	
		1005	BOD (5 days)	0.7	mg/l		5001
		02-18-71	Secchi Disk	1.0	ft.	5001	
		1015	BOD (5 days)	0.9	mg/l		
		03-22-71	Secchi Disk	1.3	ft.	5001	
		1040	BOD (5 days)	1.3	mg/l		5001
		04-29-71	Secchi Disk	1.5	ft.	5001	
		1010	BOD (5 days)	1.4	mg/l		5001
			Suspended Solids	40	mg/l	5001	5006
			Volatile Suspended Solids	0	mg/l		
		05-19-71	Secchi Disk	1.0	ft.	5001	
		1010	BOD (5 days)	1.1	mg/l		5001
		06-10-71	Secchi Disk	1.2	ft.	5001	
		1000	BOD (5 days)	1.0	mg/l		5001
		07-16-71	Secchi Disk	0.9	ft.	5001	
		1000	BOD (5 days)	1.2	mg/l		5001
			Suspended Solids	39	mg/l	5001	5006
			Volatile Suspended Solids	7	mg/l		
		08-10-71	Secchi Disk	1.1	ft.	5001	
		0940	BOD (5 days)	1.3	mg/l		5001
		09-14-71	Secchi Disk	1.2	ft.	5001	
		1100	BOD (5 days)	1.3	mg/l		5001
B9 D 805.8 140.1	SAN JOAQUIN RIVER AT TWITCHELL ISLAND	10-08-79	Secchi Disk	2.0	ft.	5001	
		1515	BOD (5 days)	0.8	mg/l		5001
		03-03-71	Secchi Disk	1.9	ft.	5001	
		1025					
		05-05-71	Secchi Disk	1.5	ft.	5001	
		1520					
		06-03-71	Secchi Disk	1.0	ft.	5001	
		1535					
		07-01-71	Secchi Disk	1.7	ft.	5001	
		1415					
		08-04-71	Secchi Disk	1.3	ft.	5001	
		1650					
		09-01-71	Secchi Disk	1.4	ft.	5001	
		1710					
		09-29-71	Secchi Disk	1.5	ft.	5001	
		1515					
B9 D 806.4 142.0	THREE MILE SLOUGH AT SACRAMENTO RIVER	10-08-70	Secchi Disk	1.9	ft.	5001	
		1350	BOD (5 days)	0.9	mg/l		5001
B9 D 808.7 141.5	SACRAMENTO RIVER AT RIO VISTA	06-02-71	Arsenic	0.00	mg/l	5050	5050
		0815	Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.1	ug/l		
			Selenium	0.00	mg/l		
B9 D 808.8 121.6	SYCAMORE SLOUGH NEAR LODI	10-12-70	Secchi Disk	1.1	ft.	5001	
		1010	BOD (5 days)	11.2	mg/l		5001
			Suspended Solids	5	mg/l	5001	5006
		11-16-70	Secchi Disk	0.7	ft.	5001	
		0935	BOD (5 days)	20.0	mg/l		5001
		02-18-71	Secchi Disk	0.6	ft.	5001	
		1040	BOD (5 days)	36.0	mg/l		5001
		03-22-71	Secchi Disk	0.8	ft.	5001	
		1005	BOD (5 days)	19.2	mg/l		5001
		04-29-71	Secchi Disk	1.0	ft.	5001	
		1050	BOD (5 days)	11.5	mg/l		5001
			Suspended Solids	34	mg/l	5001	5006
		05-19-71	Secchi Disk	0.7	ft.	5001	
		1050	BOD (5 days)	13.2	mg/l		5001
		06-10-71	Secchi Disk	0.5	ft.	5001	
		1045	BOD (5 days)	15.2	mg/l		5001
		07-16-71	Secchi Disk	1.0	ft.	5001	
		1040	BOD (5 days)	8.5	mg/l		5001
			Suspended Solids	98	mg/l	5001	5006
			Volatile Suspended Solids	32	mg/l		
		08-10-71	Secchi Disk	1.2	ft.	5001	
		1010	BOD (5 days)	3.7	mg/l		5001
		09-14-71	Secchi Disk	1.0	ft.	5001	
		1125	BOD (5 days)	17.2	mg/l		5001

TABLE D-3 (Cont.)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 809.6 141.1	SACRAMENTO RIVER AT RIO VISTA BRIDGE	10-07-70 1240	Secchi Disk	2.5	ft.	5001	
			BOD (5 days)	1.3	mg/l		5001
			Suspended Solids	13	mg/l	5001	5006
		10-08-70 1410	Secchi Disk	2.2	ft.	5001	
			BOD (5 days)	1.0	mg/l		5001
			Cadmium	<0.01	mg/l	5001	5006
			Chromium	<0.01	mg/l		
			Copper	<0.1	mg/l		
			Iron	<0.1	mg/l		
			Lead	0.01	mg/l		
			Manganese, Total	<0.05	mg/l		
			Zinc	<0.1	mg/l		
		11-23-70 1450	Secchi Disk	1.7	ft.	5001	
			Suspended Solids	9	mg/l		5006
		03-04-71 1115	Secchi Disk	1.4	ft.	5001	
			BOD (7 days)	1.8	mg/l		5001
			Suspended Solids	18	mg/l	5001	5006
		03-23-71 1340	Secchi Disk	1.4	ft.	5001	
		04-06-71 1715	Secchi Disk	0.9	ft.	5001	
			BOD (5 days)	0.6	mg/l		5001
			BOD (7 days)	1.2	mg/l		
		04-20-71 1200	Secchi Disk	1.2	ft.	5001	
		05-04-71 1510	Secchi Disk	1.8	ft.	5001	
			BOD (7 days)	1.1	mg/l		5001
			Suspended Solids	20	mg/l	5001	5006
			Cadmium, Total	<0.01	mg/l		
			Chromium	<0.01	mg/l		
			Copper, Total	<0.05	mg/l		
			Iron	<0.1	mg/l		
			Lead, Total	0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc, Total	0.1	mg/l		
		05-18-71 1205	Secchi Disk	1.3	ft.	5001	
		06-02-71 1435	Secchi Disk	1.7	ft.	5001	
			BOD (7 days)	0.9	mg/l		5001
			Suspended Solids	29	mg/l	5001	5006
			Volatile Suspended Solids	5	mg/l		
			Cadmium, Total	<0.01	mg/l		
			Chromium	<0.01	mg/l		
			Copper, Total	0.06	mg/l		
			Iron	<0.1	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc, Total	0.02	mg/l		
		06-15-71 1130	Secchi Disk	1.7	ft.	5001	
		06-30-71 1310	Secchi Disk	1.8	ft.	5001	
			BOD (7 days)	1.2	mg/l		5001
			Suspended Solids	20	mg/l	5001	5006
			Volatile Suspended Solids	4	mg/l		
			Cadmium, Total	<0.01	mg/l		
			Chromium	<0.01	mg/l		
			Copper, Total	<0.05	mg/l		
			Iron	<0.1	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc, Total	0.03	mg/l		
		07-14-71 1005	Secchi Disk	2.0	ft.	5001	
		08-03-71 1730	Secchi Disk	1.7	ft.	5001	
			BOD (7 days)	1.4	mg/l		5001
			Suspended Solids	13	mg/l	5001	5006
			Volatile Suspended Solids	2	mg/l		
			Cadmium, Total	<0.01	mg/l		
			Chromium	<0.01	mg/l		
			Copper, Total	<0.05	mg/l		
			Iron	0.5	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc, Total	0.02	mg/l		
		08-16-71 1425	Secchi Disk	1.7	ft.	5001	
		08-31-71 1625	Secchi Disk	1.8	ft.	5001	
			BOD (7 days)	0.8	mg/l		5001
			Suspended Solids	4	mg/l	5001	5006

TABLE D-3 (Cont.)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 809.6 141.1	SACRAMENTO RIVER AT RIO VISTA BRIDGE (Continued)	09-14-71 1525	Secchi Disk	2.0	ft.	5001	
			Cadmium, Total	<0.01	mg/l		5006
			Chromium	<0.01	mg/l		
			Copper, Total	<0.05	mg/l		
			Iron	<0.1	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc, Total	0.02	mg/l		
		09-28-71 1420	Secchi Disk	2.1	ft.	5001	
			BOD (7 days)	0.8	mg/l		5001
			Suspended Solids	2	mg/l	5001	5006
			Volatile Suspended Solids	0	mg/l		
B9 D 810.1 127.9	HOG SLOUGH NEAR THORNTON	10-14-70 1245	Secchi Disk	1.5	ft.	5001	
			BOD (5 days)	1.6	mg/l		5001
			Suspended Solids	12	mg/l	5001	5006
		11-17-70 0940	Secchi Disk	2.0	ft.	5001	
			BOD (5 days)	1.5	mg/l		5001
		02-18-71 1135	Secchi Disk	1.4	ft.	5001	
			BOD (5 days)	3.0	mg/l		5001
		03-23-71 1135	Secchi Disk	1.3	ft.	5001	
			BOD (5 days)	1.7	mg/l		5001
		04-29-71 1150	Secchi Disk	0.8	ft.	5001	
			BOD (5 days)	1.4	mg/l		5001
			Suspended Solids	37	mg/l	5001	5006
		05-19-71 1120	Secchi Disk	1.1	ft.	5001	
			BOD (5 days)	1.2	mg/l		5001
		06-10-71 1125	Secchi Disk	0.8	ft.	5001	
			BOD (5 days)	1.3	mg/l		5001
		07-16-71 1120	Secchi Disk	1.0	ft.	5001	
			BOD (5 days)	3.6	mg/l		5001
			Suspended Solids	25	mg/l	5001	5006
			Volatile Suspended Solids	7	mg/l		
		08-10-71 1055	Secchi Disk	1.2	ft.	5001	
			BOD (5 days)	2.4	mg/l		5001
		09-14-71 1205	Secchi Disk	1.5	ft.	5001	
			BOD (5 days)	15.0	mg/l		5001
B9 D 811.0 139.3	STEAMBOAT SLOUGH ABOVE CACHE SLOUGH	10-08-70 1435	Secchi Disk	2.5	ft.	5001	
			BOD (5 days)	0.8	mg/l		5001
B9 D 812.3 126.8	BEAVER SLOUGH NEAR THORNTON	10-14-70 1320	Secchi Disk	1.6	ft.	5001	
			BOD (5 days)	5.3	mg/l		5001
			Suspended Solids	3	mg/l	5001	5006
		11-17-70 1010	Secchi Disk	1.3	ft.	5001	
			BOD (5 days)	3.6	mg/l		5001
		02-18-71 1230	Secchi Disk	1.2	ft.	5001	
			BOD (5 days)	4.3	mg/l		5001
		03-23-71 1205	Secchi Disk	1.7	ft.	5001	
			BOD (5 days)	7.0	mg/l		5001
		04-29-71 1250	Secchi Disk	1.1	ft.	5001	
			BOD (5 days)	3.8	mg/l		5001
			Suspended Solids	14	mg/l	5001	5006
		05-19-71 1145	Secchi Disk	1.1	ft.	5001	
			BOD (5 days)	1.8	mg/l		5001
		06-10-71 1215	Secchi Disk	0.8	ft.	5001	
			BOD (5 days)	1.4	mg/l		5001
		07-16-71 1200	Secchi Disk	1.7	ft.	5001	
			BOD (5 days)	4.2	mg/l		5001
			Suspended Solids	20	mg/l	5001	5006
			Volatile Suspended Solids	6	mg/l		
		08-10-71 1130	Secchi Disk	1.4	ft.	5001	
			BOD (5 days)	2.7	mg/l		5001
		09-14-71 1255	Secchi Disk	2.3	ft.	5001	
			BOD (5 days)	5.4	mg/l		5001
B9 D 814.5 130.8	SACRAMENTO RIVER AT WALNUT GROVE	05-20-71 1445	Arsenic	0.00	mg/l	5050	5050
			Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.1	ug/l		
			Selenium	0.00	mg/l		
B9 D 815.3 126.3	MOKELUMNE RIVER NEAR THORNTON	10-14-70 1400	Secchi Disk	5.0	ft.	5001	
			BOD (5 days)	0.4	mg/l		5001
			Suspended Solids	0	mg/l	5001	5006

TABLE D-3 (Cont.)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 815.3 126.3	MOKELUMNE RIVER NEAR THORNTON (Continued)	10-14-70 1400	Cadmium	<0.01	mg/l	5001	5006
			Chromium	<0.01	mg/l		
			Copper	<0.1	mg/l		
			Iron	<0.1	mg/l		
			Lead	<0.01	mg/l		
			Manganese, Total	<0.05	mg/l		
			Zinc	<0.1	mg/l		
		11-17-70 1040	Secchi Disk	6.3	ft.	5001	
			BOD (5 days)	0.6	mg/l		5001
			Cadmium	<0.01	mg/l	5001	5006
			Chromium	<0.01	mg/l		
			Copper	<0.05	mg/l		
			Iron	<0.1	mg/l		
			Lead	<0.01	mg/l		
			Manganese, Total	<0.05	mg/l		
			Zinc	<0.1	mg/l		
		02-18-71 1300	Secchi Disk	4.2	ft.	5001	
			BOD (5 days)	0.8	mg/l		5001
		03-23-71 1235	Secchi Disk	2.6	ft.	5001	
			BOD (5 days)	0.7	mg/l		5001
			Cadmium	<0.01	mg/l	5001	5006
			Chromium	<0.01	mg/l		
			Copper	<0.05	mg/l		
			Iron	<0.1	mg/l		
			Lead	<0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc	<0.1	mg/l		
		04-29-71 1325	Secchi Disk	2.7	ft.	5001	
			BOD (5 days)	0.8	mg/l		5001
			Suspended Solids	29	mg/l	5001	5006
			Cadmium, Total	<0.01	mg/l		
			Chromium	<0.01	mg/l		
			Copper, Total	<0.05	mg/l		
			Iron	0.1	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc, Total	<0.1	mg/l		
		05-19-71 1245	Secchi Disk	2.0	ft.	5001	
			BOD (5 days)	0.2	mg/l		5001
			Cadmium, Total	<0.01	mg/l	5001	5006
			Chromium	<0.01	mg/l		
			Copper, Total	<0.05	mg/l		
			Iron	0.21	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc, Total	0.03	mg/l		
		06-10-71 1315	Secchi Disk	1.8	ft.	5001	
			BOD (5 days)	0.5	mg/l		5001
		07-16-71 1250	Secchi Disk	3.0	ft.	5001	
			BOD (5 days)	1.4	mg/l		5001
			Suspended Solids	14	mg/l	5001	5006
			Volatile Suspended Solids	5	mg/l		
			Cadmium, Total	<0.01	mg/l		
			Chromium	<0.01	mg/l		
			Copper, Total	<0.05	mg/l		
			Iron	<0.1	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc, Total	0.03	mg/l		
		08-10-71 1215	Secchi Disk	1.7	ft.	5001	
			BOD (5 days)	1.7	mg/l		5001
			Cadmium, Total	<0.01	mg/l		
			Chromium	<0.01	mg/l		
			Copper, Total	<0.05	mg/l		
			Iron	<0.1	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	<0.05	mg/l		
			Zinc, Total	0.03	mg/l		
		09-14-71 1325	Secchi Disk	3.0	ft.	5001	
			BOD (5 days)	1.0	mg/l		5001
			Cadmium, Total	<0.01	mg/l	5001	5006
			Chromium	<0.01	mg/l		
			Copper, Total	<0.05	mg/l		
			Iron	<0.1	mg/l		
			Lead, Total	<0.01	mg/l		
			Manganese	0.2	mg/l		
			Zinc, Total	0.03	mg/l		
B9 D 816.6 129.8	SNODGRASS SLOUGH AT TWIN CITIES ROAD BRIDGE NEAR WALNUT GROVE	10-14-70 1130	Secchi Disk	1.3	ft.	5001	
			BOD (5 days)	1.4	mg/l		5001
			Suspended Solids	12	mg/l	5001	5006
		11-17-70 1130	Secchi Disk	1.4	ft.	5001	
			BOD (5 days)	1.2	mg/l		5001
		02-18-71 1340	Secchi Disk	1.3	ft.	5001	
			BOD (5 days)	1.5	mg/l		5001

TABLE D-3 (Cont.)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 816.6 129.8	SNODGRASS SLOUGH AT TWIN CITIES ROAD BRIDGE NEAR WALNUT GROVE (Continued)	03-23-71 1310	Secchi Disk	1.5	ft.	5001	
			BOD (5 days)	2.1	mg/l		5001
		04-29-71 1420	Secchi Disk	1.3	ft.	5001	
			BOD (5 days)	2.1	mg/l		5001
			Suspended Solids	30	mg/l	5001	5006
		05-19-71 0900	Secchi Disk	1.0	ft.	5001	
			BOD (5 days)	0.8	mg/l		5001
		05-19-71 1325	Secchi Disk	0.9	ft.	5001	
			BOD (5 days)	0.8	mg/l		5001
		06-10-71 1400	Secchi Disk	1.3	ft.	5001	
			BOD (5 days)	1.3	mg/l		5001
		07-16-71 1345	Secchi Disk	1.4	ft.	5001	
			BOD (5 days)	3.1	mg/l		5001
			Suspended Solids	32	mg/l	5001	5006
			Volatile Suspended Solids	7	mg/l		
		08-10-71 1300	Secchi Disk	1.1	ft.	5001	
			BOD (5 days)	1.2	mg/l		5001
		09-14-71 1400	Secchi Disk	1.2	ft.	5001	
			BOD (5 days)	2.0	mg/l		5001
B9 D 819.1 130.1	SNODGRASS SLOUGH AT SOUTHERN PACIFIC RAILROAD BRIDGE	10-14-70 1505	Secchi Disk	1.2	ft.	5001	
			BOD (5 days)	1.1	mg/l		5001
			Suspended Solids	16	mg/l	5001	5006
		11-17-70 1200	Secchi Disk	1.8	ft.	5001	
			BOD (5 days)	0.9	mg/l		5001
		02-18-71 1400	Secchi Disk	1.4	ft.	5001	
			BOD (5 days)	3.5	mg/l		5001
		03-23-71 1345	Secchi Disk	1.5	ft.	5001	
			BOD (5 days)	4.3	mg/l		5001
		04-29-71 1505	Secchi Disk	1.0	ft.	5001	
			BOD (5 days)	4.2	mg/l		5001
			Suspended Solids	61	mg/l	5001	5006
		05-19-71 1345	Secchi Disk	1.1	ft.	5001	
			BOD (5 days)	1.4	mg/l		5001
		06-10-71 1430	Secchi Disk	1.0	ft.	5001	
			BOD (5 days)	2.0	mg/l		5001
		07-16-71 1425	Secchi Disk	1.3	ft.	5001	
			BOD (5 days)	2.1	mg/l		5001
			Suspended Solids	25	mg/l	5001	5006
			Volatile Suspended Solids	7	mg/l		
		08-10-71 1335	Secchi Disk	1.3	ft.	5001	
			BOD (5 days)	2.0	mg/l		5001
		09-14-71 1440	Secchi Disk	2.0	ft.	5001	
			BOD (5 days)	11.0	mg/l		5001
B9 D 820.7 132.7	SACRAMENTO RIVER AT GREENE'S LANDING	10-07-70 1400	Secchi Disk	3.0	ft.	5001	
			BOD (5 days)	2.2	mg/l		5001
		02-05-71 1430	Secchi Disk	2.2	ft.	5001	
		04-06-71 1425	Secchi Disk	1.0	ft.	5001	
		05-04-71 1640	Secchi Disk	1.7	ft.	5001	
		06-02-71 1650	Secchi Disk	1.7	ft.	5001	
		06-16-71 1235	Arsenic	0.00	mg/l	5050	5050
			Chromium	0.00	mg/l		
			Copper	0.01	mg/l		
			Iron	0.01	mg/l		
			Lead	0.00	mg/l		
			Manganese	0.00	mg/l		
			Selenium	0.00	mg/l		
			Zinc	0.00	mg/l		
			Phenols	0.000	mg/l		
		06-30-71 1430	Secchi Disk	2.0	ft.	5001	
		07-21-71 1140	Iron	20	ug/l	5050	5000
			Lithium	0	ug/l		
		07-21-71 1145	Arsenic	0.00	mg/l	5050	5050
			Chromium	0.00	mg/l		
			Copper	0.01	mg/l		
			Iron	0.05	mg/l		
			Lead	0.00	mg/l		
			Manganese	0.00	mg/l		
			Selenium	0.00	mg/l		
			Zinc	0.00	mg/l		
			Phenols	0.000	mg/l		

TABLE D-3 (Cont.)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 820.7 132.7	SACRAMENTO RIVER AT GREENE'S LANDING (Continued)	08-03-71 1835	Secchi Disk	2.3	ft.	5001	
		08-24-71 1330	Iron	20	ug/1	5050	5000
			Lithium	8	ug/1		
			Strontium	150	ug/1		
		08-24-71 1340	Arsenic	0.00	mg/1	5050	5050
			Chromium	0.00	mg/1		
			Copper	0.01	mg/1		
			Iron	0.03	mg/1		
			Lead	0.01	mg/1		
			Manganese	0.00	mg/1		
			Selenium	0.01	mg/1		
			Zinc	0.01	mg/1		
		08-31-71 1235	Secchi Disk	1.7	ft.	5001	
		09-16-71 1140	Iron	20	ug/1	5050	5000
			Lithium	2	ug/1		
			Strontium	160	ug/1		
		09-16-71 1150	Arsenic	0.00	mg/1	5050	5050
			Chromium	0.00	mg/1		
			Copper	0.01	mg/1		
			Iron	0.01	mg/1		
			Lead	0.00	mg/1		
			Manganese	0.00	mg/1		
			Selenium	0.00	mg/1		
			Zinc	0.01	mg/1		
			Phenols	0.000	mg/1		
			Color	0			
		09-28-71 0915	Secchi Disk	2.0	ft.	5001	
B9 D 827.3 130.0	SACRAMENTO RIVER AT FREEPORT	10-07-70 1150	Iron	0.01	mg/1	5050	5000
			Lithium	<0.01	mg/1		
			Strontium	0.55	mg/1		
		10-07-70 1155	Arsenic	0.00	mg/1	5050	5050
			Chromium	0.00	mg/1		
			Copper	0.02	mg/1		
			Iron	0.04	mg/1		
			Lead	0.00	mg/1		
			Manganese	0.00	mg/1		
			Selenium	0.00	mg/1		
			Zinc	0.01	mg/1		
			Phenols	0.000	mg/1		
		11-05-70 1125	Iron	0.04	mg/1	5050	5000
			Lithium	<0.01	mg/1		
			Strontium	0.06	mg/1		
		11-05-70 1130	Arsenic	0.00	mg/1	5050	5050
			Chromium	0.00	mg/1		
			Copper	0.01	mg/1		
			Iron	0.03	mg/1		
			Lead	0.00	mg/1		
			Manganese	0.00	mg/1		
			Selenium	0.00	mg/1		
			Zinc	0.01	mg/1		
			Phenols	0.000	mg/1		
		12-09-70 1225	Iron	0.03	mg/1	5050	5000
			Lithium	<0.01	mg/1		
			Strontium	0.05	mg/1		
		12-09-70 1230	Arsenic	0.00	mg/1	5050	5050
			Chromium	0.00	mg/1		
			Copper	0.01	mg/1		
			Iron	0.07	mg/1		
			Lead	0.00	mg/1		
			Manganese	0.00	mg/1		
			Selenium	0.00	mg/1		
			Zinc	0.01	mg/1		
			Phenols	0.000	mg/1		
		01-06-71 1300	Iron	0.09	mg/1	5050	5000
			Lithium	<0.01	mg/1		
			Strontium	0.10	mg/1		
		02-18-71 1200	Iron	0.12	mg/1	5050	5000
			Lithium	<0.01	mg/1		
			Strontium	0.08	mg/1		
		02-18-71 1205	Arsenic	0.00	mg/1	5050	5050
			Chromium	0.00	mg/1		
			Copper	0.00	mg/1		
			Iron	0.01	mg/1		
			Lead	0.01	mg/1		
			Manganese	0.00	mg/1		
			Selenium	0.00	mg/1		
			Zinc	0.02	mg/1		
			Phenols	0.001	mg/1		

TABLE D-3 (Cont.)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
B9 D 827.3 130.0	SACRAMENTO RIVER AT FREEPORT (Continued)	03-17-71 0800	Iron	60	ug/l	5050	5000
			Lithium	9	ug/l		
			Strontium	250	ug/l		
		03-17-71 0805	Arsenic	0.00	mg/l	5050	5050
			Chromium	0.00	mg/l		
			Copper	0.00	mg/l		
			Iron	0.16	mg/l		
			Lead	0.00	mg/l		
			Manganese	0.00	mg/l		
			Selenium	0.00	mg/l		
			Zinc	0.00	mg/l		
			Phenols	0.001	mg/l		
		04-21-71 1330	Iron	60	ug/l	5050	5000
			Lithium	0	ug/l		
			Strontium	70	ug/l		
		04-21-71 1335	Arsenic	0.00	mg/l	5050	5050
			Chromium	0.00	mg/l		
			Copper	0.00	mg/l		
			Iron	0.03	mg/l		
			Lead	0.00	mg/l		
			Manganese	0.00	mg/l		
			Selenium	0.01	mg/l		
			Zinc	0.00	mg/l		
			Phenols	0.010	mg/l		
		05-19-71 1100	Iron	20	ug/l	5050	5000
			Lithium	0	ug/l		
			Strontium	250	ug/l		
		05-19-71 1105	Arsenic	0.00	mg/l	5050	5050
			Chromium	0.00	mg/l		
			Copper	0.00	mg/l		
			Iron	0.04	mg/l		
			Lead	0.00	mg/l		
			Manganese	0.00	mg/l		
			Selenium	0.00	mg/l		
			Zinc	0.01	mg/l		
			Phenols	0.000	mg/l		
		05-19-71 1105	Arsenic	0.00	mg/l	5050	5050
			Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.1	ug/l		
			Selenium	0.00	mg/l		
		06-16-71 1145	Iron	20	ug/l	5050	5000
			Lithium	4	ug/l		
			Strontium	560	ug/l		
		06-16-71 1150	Arsenic	0.00	mg/l	5050	5050
			Chromium	0.00	mg/l		
			Copper	0.01	mg/l		
			Iron	0.02	mg/l		
			Lead	0.00	mg/l		
			Manganese	0.00	mg/l		
			Selenium	0.00	mg/l		
			Zinc	0.00	mg/l		
			Phenols	0.000	mg/l		
G4 1590.01	SUSAN RIVER NEAR LITCHFIELD	05-11-71 --	Arsenic	0.00	mg/l	5050	5050
			Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury	0.0	ug/l		
			Selenium	0.00	mg/l		
G4 1600.00	SUSAN RIVER AT SUSANVILLE	05-11-71 --	Arsenic	0.00	mg/l	5050	5050
			Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury	0.0	ug/l		
			Selenium	0.00	mg/l		
G6 1705.00	LONG VALLEY CREEK NEAR HALLELUJAH JUNCTION	05-12-71 --	Arsenic	0.00	mg/l	5050	5050
			Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury	0.0	ug/l		
			Selenium	0.00	mg/l		
G7 L 856.3 000.5	LAKE TAHOE AT TAHOE KEYS PIER (STATION S-1)	08-18-71 0920	MBAS	0.00	mg/l	5050	5050
G7 L 856.4 000.6	LAKE TAHOE NEAR TAHOE KEYS (STATION L-1)	11-18-70 1235	MBAS	0.00	mg/l	5050	5050
		05-12-71 1125	MBAS	0.00	mg/l	5050	5050
		08-18-71 1025	MBAS	0.00	mg/l	5050	5050

TABLE D-3 (Cont.)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
G7 L 856.5 003.3	LAKE TAHOE NEAR TAYLOR CREEK (STATION L-6)	11-18-70 1245	MBAS	0.00	mg/1	5050	5050
		05-12-71 1140	MBAS	0.00	mg/1	5050	5050
G7 L 856.5 003.4	LAKE TAHOE NEAR CAMP RICHARDSON (STATION S-6)	08-18-71 1055	MBAS	0.00	mg/1	5050	5050
G7 L 857.0 958.02	LAKE TAHOE AT SURF AND SANDS PIER (STATION S-10)	08-18-71	MBAS	0.01	mg/1	5050	5050
G7 L 900.0 000.0	LAKE TAHOE, SOUTH CENTER (STATION C-1)	11-17-70 1005	Secchi Disk	89.6	ft.	5050	
		11-18-70 1150	MBAS	0.00	mg/1	5050	5050
		05-12-71 1035	MBAS	0.00	mg/1	5050	5050
		08-18-71 0930	MBAS	0.00	mg/1	5050	5050
G7 L 900.4 956.9	LAKE TAHOE AT ZEPHYR COVE PIER (STATION S-8)	08-18-71 0740	MBAS	0.00	mg/1	5050	5050
G7 L 900.5 956.9	LAKE TAHOE AT ZEPHYR COVE (STATION L-8)	11-18-70 1140	MBAS	0.00	mg/1	5050	5050
		05-12-71 1025	MBAS	0.00	mg/1	5050	5050
		08-18-71 0910	MBAS	0.00	mg/1	5050	5050
G7 L 900.9 006.8	LAKE TAHOE AT RUBICON BAY (STATION L-2)	11-18-70 1305	MBAS	0.01	mg/1	5050	5050
		05-12-71 1215	MBAS	0.00	mg/1	5050	5050
		08-18-71 1125	MBAS	0.00	mg/1	5050	5050
G7 L 900.9 006.82	LAKE TAHOE AT RUBICON BAY PIER (STATION S-2)	08-18-71 1020	MBAS	0.00	mg/1	5050	5050
G7 L 902.3 007.2	LAKE TAHOE AT MEEKS BAY RESORT PIER (STATION S-12)	08-25-71 0955	MBAS	0.00	mg/1	5050	5050
G7 L 904.5 008.4	LAKE TAHOE AT CHAMBERS LODGE (STATION L-9)	11-18-70 1320	MBAS	0.00	mg/1	5050	5050
		05-12-71 1235	MBAS	0.00	mg/1	5050	5050
G7 L 904.5 008.42	LAKE TAHOE AT CHAMBERS LANDING PIER (STATION S-9)	08-18-71 1145	MBAS	0.00	mg/1	5050	5050
G7 L 905.3 956.4	LAKE TAHOE AT GLENBROOK BAY PIER (STATION S-3)	08-25-71 0805	MBAS	0.00	mg/1	5050	5050
G7 L 905.4 956.4	LAKE TAHOE AT GLENBROOK (STATION L-3)	11-18-70 1045	MBAS	0.00	mg/1	5050	5050
		05-12-71 1000	MBAS	0.00	mg/1	5050	5050
G7 L 907.8 009.2	LAKE TAHOE AT PIER NEAR MOUTH OF WARD CREEK (STATION S-11)	08-25-71 1120	MBAS	0.00	mg/1	5050	5050
G7 L 908.7 000.3	LAKE TAHOE, NORTH CENTER (STATION C-2)	11-16-70 1420	Secchi Disk	91.9	ft.	5050	
		11-18-70 1025	MBAS	0.00	mg/1	5050	5050
		05-12-71 0940	MBAS	0.00	mg/1	5050	5050
		08-18-71 0825	MBAS	0.01	mg/1	5050	5050
G7 L 910.8 007.1	LAKE TAHOE NEAR LAKE FOREST (STATION L-5)	11-18-70 0915	MBAS	0.00	mg/1	5050	5050
		05-12-71 0810	MBAS	0.00	mg/1	5050	5050
G7 L 910.8 007.12	LAKE TAHOE AT U. S. COAST GUARD PIER (STATION S-5)	08-25-71 1255	MBAS	0.00	mg/1	5050	5050

TABLE D-3 (Cont.)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents		Samp	Lab
G7 L 914.2 002.2	LAKE TAHOE AT TAHOE VISTA (STATION L-7)	11-18-70 0945	MBAS	0.00 mg/l	5050	5050
		05-12-71 0850	MBAS	0.00 mg/l	5050	5050
		08-18-71 0725	MBAS	0.00 mg/l	5050	5050
G7L 914.2 002.3	LAKE TAHOE AT KINGS BEACH PIER (STATION S-7)	08-18-71 1240	MBAS	0.00 mg/l	5050	5050
G7 L 914.2 956.6	LAKE TAHOE AT KINGS CASTLE PIER (STATION S-4)	08-18-71 1320	MBAS	0.00 mg/l	5050	5050
G7 L 914.3 956.8	LAKE TAHOE NEAR INCLINE GUARD STATION (STATION L-4)	11-18-70 1000	MBAS	0.00 mg/l	5050	5050
		05-12-71 0910	MBAS	0.00 mg/l	5050	5050
		08-18-71 0755	MBAS	0.00 mg/l	5050	5050
G7 1195.00	TRUCKEE RIVER AT FARAD	05-13-71 1650	Arsenic	0.00 mg/l	5050	5050
			Barium	0.1 mg/l		
			Cadmium	0.00 mg/l		
			Lead	0.00 mg/l		
			Mercury, Total	0.0 ug/l		
			Selenium	0.00 mg/l		
G7 1665.00	TRUCKEE RIVER AT TAHOE CITY	05-13-71 1600	Arsenic	0.00 mg/l	5050	5050
			Barium	0.1 mg/l		
			Cadmium	0.00 mg/l		
			Lead	0.00 mg/l		
			Mercury, Total	0.0 ug/l		
			Selenium	0.00 mg/l		
G7 3020.01	BURTON CREEK IN STAR HARBOR (STATION T-8)	08-25-71 1305	MBAS	0.00 mg/l	5050	5050
G7 3050.01	WARD CREEK NEAR MOUTH (STATION T-5)	08-25-71 1130	MBAS	0.00 mg/l	5050	5050
G7 3100.00	TROUT CREEK NEAR TAHOE VALLEY	05-13-71 1430	Arsenic	0.00 mg/l	5050	5050
			Barium	0.1 mg/l		
			Cadmium	0.00 mg/l		
			Lead	0.00 mg/l		
			Mercury, Total	0.0 ug/l		
			Selenium	0.00 mg/l		
G7 3160.01	MADDEN CREEK AT MOUTH (STATION T-10)	08-25-71 1045	MBAS	0.00 mg/l	5050	5050
G7 3230.01	THIRD CREEK NEAR MOUTH (STATION T-6)	08-25-71 0720	MBAS	0.00 mg/l	5050	5050
G7 3253.01	INCLINE CREEK AT INCLINE VILLAGE (STATION T-2)	11-18-70 1110	MBAS	0.00 mg/l	5050	5050
		05-12-71 1000	MBAS	0.01 mg/l	5050	5050
		08-25-71 0745	MBAS	0.00 mg/l	5050	5050
G7 3300.01	GENERAL CREEK NEAR MEEKS BAY (STATION T-3)	11-18-70 1230	MBAS	0.00 mg/l	5050	5050
		05-12-71 1125	MBAS	0.01 mg/l	5050	5050
		08-25-71 1040	MBAS	0.01 mg/l	5050	5050
G7 3571.01	TAYLOR CREEK NEAR CAMP RICHARDSON (STATION T-4)	11-18-70 0845	MBAS	0.00 Mg/l	5050	5050
		05-12-71 0845	MBAS	0.00 mg/l	5050	5050
		08-25-71 1000	MBAS	0.00 mg/l	5050	5050
G7 3680.00	EDGEWOOD CREEK AT STATELINE (STATION T-7)	08-25-71 0835	MBAS	0.01 mg/l	5050	5050
G7 3705.01	UPPER TRUCKEE RIVER NEAR MOUTH	11-18-70 0945	MBAS	0.01 mg/l	5050	5050
		05-12-71 0800	MBAS	0.01 mg/l	5050	5050
		08-25-71 0935	MBAS	0.01 mg/l	5050	5050

TABLE D-3 (Cont.)

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station Number	Station	Date Time	Constituents			Samp	Lab
G7 3750.00	UPPER TRUCKEE RIVER NEAR MEYERS	05-13-71 0730	Arsenic	0.00	mg/l	5050	5050
			Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.0	ug/l		
			Selenium	0.00	mg/l		
G7 3810.01	TROUT CREEK NEAR MOUTH (STATION T-9)	08-25-71 0915	MBAS	0.01	mg/l	5050	5050
G7 4100.00	BLACKWOOD CREEK NEAR TAHOE CITY	05-13-71 1530	Arsenic	0.00	mg/l	5050	5050
			Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.1	ug/l		
			Selenium	0.00	mg/l		
G8 2300.00	CARSON RIVER, WEST FORK, AT WOODFORDS	05-13-71 0800	Arsenic	0.00	mg/l	5050	5050
			Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.1	ug/l		
			Selenium	0.00	mg/l		
G8 3148.01	MARKLEEVILLE CREEK AT MARKLEEVILLE	05-13-71 0840	Arsenic	0.00	mg/l	5050	5050
			Barium	0.1	mg/l		
			Cadmium	0.09	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.2	ug/l		
			Selenium	0.00	mg/l		
		07-12-71 1600	Cadmium	0.00	mg/l	5050	5050
G8 3420.20	CARSON RIVER, EAST FORK, AT HIGHWAY 4 BRIDGE NEAR MARKLEEVILLE	07-12-71 1625	Arsenic	0.00	mg/l	5050	5050
			Barium	0.1	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.0	ug/l		
			Selenium	0.01	mg/l		
G9 2460.00	WEST WALKER RIVER BELOW LITTLE WALKER RIVER NEAR COLEVILLE	05-13-71 1000	Arsenic	0.00	mg/l	5050	5050
			Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.0	ug/l		
			Selenium	0.00	mg/l		
G9 3200.00	EAST WALKER RIVER NEAR BRIDGEPORT	05-13-71 1130	Arsenic	0.00	mg/l	5050	5050
			Barium	0.0	mg/l		
			Cadmium	0.00	mg/l		
			Lead	0.00	mg/l		
			Mercury, Total	0.1	ug/l		
			Selenium	0.00	mg/l		

TABLE D-4

NUTRIENT ANALYSIS OF SURFACE WATER

Lab and Sampler Agency Codes

5000	-	U. S. Geological Survey
5001	-	U. S. Bureau of Reclamation
5050	-	Department of Water Resources
5212	-	City of Yuba City
5213	-	City of Marysville
5401	-	Cordua Water District
5402	-	Linda County Water District
5403	-	Reclamation District 784
5405	-	City of Wheatland

Abbreviations

TIME	-	Pacific Standard Time on a 24-hour clock
G.H.	-	Instantaneous gage height in feet above an established datum
Q	-	Instantaneous discharge measured in cubic feet per second
TEMP	-	Water temperature in degrees Fahrenheit (F) or Celsius (C)
TURB	-	Jackson Turbidity Units measured with a Hellege Turbidmeter (E) or a Hach Nephelometer (A)
PH	-	Measure of acidity or alkalinity of water
EC	-	Electrical conductance in micromhos at 25° C
HCO3	-	Bicarbonate
CO3	-	Carbonate

Nitrogen Series as N

NO2	-	Unfiltered nitrite
NH3	-	Unfiltered ammonia
NO3	-	Unfiltered nitrate
ORG N	-	Organic nitrogen
DIS ORG N	-	Dissolved organic nitrogen
NH3 + ORG N	-	Ammonia plus organic nitrogen

Phosphorus Series as P

FIL A.H.PO4	-	Filterable acid hydrolyzable phosphate
F PO4	-	Filterable orthophosphate
U PO4	-	Unfiltered orthophosphate
F TOT P	-	Filterable total phosphorus
U TOT P	-	Unfiltered total phosphorus

TABLE D-4 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. Q	TEMP TURB	FIELD CO2 ALK.	FIELD LABORATORY PH	EC	LAB HCO3 CO3	NO2 NH3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO3 ORG N	DIS ORG N	NH3 + ORG N	FIL. A.H.PO4	F PO4 U PO4	F TOT P U TOT P
	A0 2112.00			SACHAMENTO RIVER AT ELKHORN FERRY										
10/07/70	5050		60.8F		7.5	121			0.06				0.02	
1045	5050		20E			114					0.1			0.10
10/20/70	5050		58 F		7.3	115			0.11				0.02	
1150	5050		10E			118					0.2			0.03
11/05/70	5050		56.7F		7.3	124			0.08				0.05	
1125	5050		15E			117					0.1			0.09
11/17/70	5050		53.0F		7.4	120			0.18				0.03	
1415	5050		20E			116					0.2			0.07
12/09/70	5050		51.0F		7.3	123			0.26				0.02	
1120	5050		80E			112					0.2			0.10
12/21/70	5050		46 F		7.5	150			0.21				0.03	
0950	5050		70E			150					0.3			0.10
1/06/71	5050		44.0F		7.3	162			0.19				0.02	
1155	5050		40E			143					0.1			0.06
2/18/71	5050	9.46	50.0F		7.2	150			0.15				0.04	
0815	5050		25E			147					0.2			0.07
3/17/71	5050		48.5F		7.4	110			0.10				0.00	
0915	5050		30E			109					0.2			0.10
4/21/71	5050		53.0F		7.3	100			0.03				0.03	
1015	5050		25E			99					0.2			0.04
5/19/71	5050		59.0F		7.4	115			0.07				0.03	
1230	5050		45E			131					0.1			0.08
6/16/71	5050		76 F		7.5	64			0.07				0.02	
1400	5050		30E			131					0.3			0.05
7/21/71	5050		73 F		7.3	110			0.04				0.02	
1300	5050		25E			325					0.2			0.04
8/18/71	5050		69 F		7.4	105			0.04				0.01	
1245	5050		24E			108					0.1			0.04
9/15/71	5050		65 F		7.5	125			0.07				0.02	
1230	5050		25E			138					0.2			0.05
	A0 2170.00			SACRAMENTO RIVER AT FREMONT WEIR WEST END										
10/06/70	5050	6.80	63.5F		7.5	141	74		0.09				0.09	
1230	5050		20E		7.9	145	0				0.2		0.13	0.13
11/04/70	5050	7.06	56.5F		7.5	151	72		0.15				0.03	
1230	5050		80E		7.5	153	0				0.1			0.09
12/02/70	5050	4.18	49 F		7.3	103	41		0.62				0.04	
0900	5050		450E		7.4	101	0				0.6			3.5
1/05/71	5050	8.58	43.5F		7.4	151	74		0.29				0.02	
1320	5050		35E		7.8	150	0				0.2			0.09
2/18/71	5050	2.48	50.0		7.3	160	73		0.26				0.06	
0930	5050		20E		7.9	154	0				0.1			0.07
3/17/71	5050	5.77	50 F		7.5	145	65		0.18				0.02	
1030	5050		270E		7.7	144	0				0.3			0.14
4/21/71	5050	3.68	54.0F		7.4	140	70		0.12				0.01	
1115	5050		65E		7.9	141	0				0.2			0.06
5/19/71	5050	3.92	57.0F		7.4	110	65		0.08				0.02	
1115	5050		30E		7.8	129	0				0.1			0.07
7/21/71	5050	8.13	70.5F		7.4	141	70		0.01				0.02	
1030	5050		30E		8.0	145	0				0.3			0.06
8/18/71	5050	0.00	69 F		7.5	172	86		0.08				0.03	
1330	5050		45E		7.7	126	0				0.2			0.09
9/15/71	5050	1.40	67 F		7.6	185	87		0.12				0.04	
0900	5050		25E		7.5	182	0				0.3			0.07
	A0 2230.02			SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN										
10/14/70	5050	8.70	61 F		7.4		65		0.06				0.02	
1145	5050	7780 E	90E		7.4	135					0.3			0.08
11/19/70	5050	2.66	12.0C		7.6		60		0.20				0.04	
1150	5050	13200	25E		7.8	136	0				0.2			0.08
12/17/70	5050	5.82	9.0C		7.4		72		0.23				0.02	
1215	5050	25300	80E		7.9	156	0				0.2			0.10
1/19/71	5050	6.10	47.0F		7.1		51		0.20				0.03	
1515	5050	27100	380E		7.6	106	0				0.7			0.26
2/23/71	5050	2.78	49 F		7.3		84		0.26				0.02	
1500	5050	24700 E	20E		8.0	168	0				0.2			0.06
3/24/71	5050	3.47	56 F		7.3		78		0.21				0.02	
1210	5050	10500 E	35E		7.7	157	0				0.1			0.04
4/20/71	5050	5.73	54 F		7.4		68		0.11				0.01	
1615	5050	13500	30E		7.6	133	0				0.2			0.02
5/25/71	5050	4.28	16.5C		7.1		68		0.10				0.04	
1345	5050	13900 E	10E		7.9	134	0				0.2			0.14
6/10/71	5050	3.90	18 C		7.3		69		0.14				0.02	
1410	5050	13200	30E		7.4	138	0				0.2			0.06
7/15/71	5050	0.24	21 C		7.2		69		0.08				0.02	
1405	5050	9520 E	25E		7.6	132	0				0.1			0.04

TABLE D-4 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. Q	TEMP TURB	FIELD CO2 ALK.	FIELD LABORATORY PH	FIELD LABORATORY EC	LAB HCO3 CO3	NO2 NH3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO3 ORG N	DIS ORG N	NH3 + ORG N	FIL. A.H.PO4	F PO4 U PO4	F TOT P U TOT P
	A0	2230.02		SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN						CONTINUED				
8/11/71	5050	0.71	22 C		7.2		70		0.09				0.03	
1235	5050	9590 E	20E		7.8	138	0				0.2			0.04
9/28/71	5050	1.70	17 C		7.4				0.08				0.03	
1245	5050	10900 E	10E		7.5	136					0.1			0.05
	A0	2785.00		SACRAMENTO RIVER AT BEND BRIDGE										
11/12/70	5050	0.04	11.0C		7.1		59		0.50				0.03	
1530	5050	9100	15E		7.6	127	0							
3/09/71	5050	9.28	47 F		7.9		63		0.05				0.01	
0900	5050	7600	8E		7.7	121	0							
7/14/71	5050	1.43	11 C		7.1		55		0.05				0.00	
0730	5050	13500	6E		7.3	109	0							
9/27/71	5050	0.71	11 C		7.2		61		0.14				0.02	
0710	5050	11300	4E		7.0	117	0							
	A0	2925.00		SACRAMENTO SLOUGH AT SACRAMENTO RIVER NEAR KARNAK										
10/14/70	5050		62 F		7.8		332		0.01				0.19	
1115	5050	269	45E		8.1	1030	0				0.6			0.28
11/19/70	5050		12.0C		8.0		420		0.07				0.33	
1130	5050	642	60E		8.1	1450	0				0.7			0.36
2/23/71	5050	8.10	51 F		7.8		190		0.03				0.07	
1200	5050	944	55E		8.1	432	0				0.4			0.15
3/24/71	5050	1.16	58 F		7.5		120		0.07				0.04	
1140	5050	786	90E		8.0	302	0				0.4			0.11
4/20/71	5050		61 F		7.6		132		0.04				0.06	
1400	5050	1600	100E		7.9	359	0				0.4			0.14
5/25/71	5050		12 C		7.3		144		0.14				0.08	
1305	5050	1630	49E		7.8	344	0				0.6			0.16
6/10/71	5050	0.55	21.5C		7.4		160		0.15				0.07	
1320	5050	1250	45E		7.6	366	0				0.7			0.13
7/15/71	5050	6.71	27 C		7.4		211		0.15				0.14	
1325	5050	593	55E		7.8	489	0				0.6			0.18
8/11/71	5050	7.50	27 C		7.3		218		0.15				0.11	
1200	5050	869	55E		8.0	475	0				0.6			0.14
9/28/71	5050		17.5C		7.6		217		0.19				0.14	
1215	5050	900	35E		7.7	519	0				0.4			0.19
	A0	2933.00		RD108 DRAINAGE TO SACRAMENTO RIVER										
10/14/70	5050		66 F		7.9		387		0.02				0.33	
1245	5050	0	140E		7.8	1250	0				1.5			0.50
11/19/70	5050		13.0C		7.8		287		0.17				0.34	
1255	5050	0	45E		8.3	789	0				0.5			0.34
12/17/70	5050		11.0C		7.4		296		0.86				0.26	
1355	5050	13	90E		7.8	896	0				0.4			0.37
1/19/71	5050		56.0F		7.8		366		0.52				0.28	
1445	5050	5	230E			1280	0				0.6			0.28
2/23/71	5050		53 F		8.4		365		0.36				0.27	
1405	5050	6	75E		8.6	1210	15				0.4			0.27
3/24/71	5050		58 F		7.9		289		0.18				0.22	
1400	5050	0	80E		8.0	900	0				0.6			0.28
4/20/71	5050		60 F		8.2		138		0.47				0.39	
1520	5050	0	95E		8.5	670	0				2.6			0.40
5/25/71	5050		21 C		7.5		174		0.14				0.22	
1440	5050	10 E	4E		7.7	562	0				1.2			0.28
6/10/71	5050				7.5		192		0.18				0.16	
1530	5050	0	100E		7.6	642	0				1.4			0.26
7/15/71	5050		28 C		7.3		184		0.16				0.15	
1545	5050	5.0	7E		8.0	601	0				0.7			0.20
8/11/71	5050		27.5C		7.3		225		0.12				0.18	
1400	5050	6.0	50E		8.2	622	0				0.6			0.20
9/28/71	5050		18 C		7.9		330		0.56				0.33	
1400	5050	6 E	65E		7.7	964	0				0.9			0.33
	A0	2947.10		COLUSA BASIN DRAIN NEAR KNIGHTS LANDING										
10/14/70	5050	4.48	68 F		8.3		221		0.16				0.09	
1320	5050	171	130E		8.3	578	0				0.8			0.18
11/19/70	5050	2.31	13.0C		8.0		245		0.27				0.16	
1220	5050	0	80E		8.2	697	0				0.9			0.25
12/17/70	5050	6.86	9.0C		8.0		260		0.39				0.13	
1315	5050	0	70E		8.3	515	0				0.7			0.28
1/19/71	5050	7.99	51.0F		7.4		139		0.58				0.13	
1330	5050		1000E			534	0				1.2			0.33
2/23/71	5050	3.27	52 F		8.4		310		0.43				0.14	
1325	5050	278	45E		8.5	1240	15				1.2			0.22
3/24/71	5050	4.56	60 F		8.3		315		0.26				0.13	
1300	5050	165	120E		8.3	1300	0				1.3			0.29

TABLE D-4 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. Q	TEMP TURB	FIELD CO2 ALK.	FIELD LABORATORY PH	FIELD LABORATORY EC	LAB HCO3 CO3	NO2 NH3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO3 ORG N	DIS ORG N	NH3 + ORG N	FIL. A.H.PO4	F PO4 U PO4	F TOT P U TOT P
	A0	2947.10		COLUSA BASIN DRAIN NEAR KNIGHTS LANDING						CONTINUED				
4/20/71	5050		62 F		8.3		179		0.42				0.09	
1500	5050	0	70E		8.2	502	0				0.5			0.15
5/25/71	5050	4.95	21.5C		7.8		191		0.22				0.11	
1530	5050	793	65E		7.8	576	0				0.9			0.17
6/10/71	5050	4.32	27 C		8.4		190		0.18				0.14	
1440	5050	0	96E		8.5	589	2				1.5			0.25
7/15/71	5050	4.51	30 C		8.4		238		0.01				0.06	
1445	5050	14	30E		8.2	661	0				1.5			0.21
8/11/71	5050	4.51	28 C		7.7		183		0.21				0.10	
1320	5050	327	70E		8.8	543	17				0.7			0.14
9/28/71	5050	4.53	19 C		7.9		206		0.38				0.12	
1330	5050	283	50E		7.7	529	0				0.5			0.18
	A0	2950.00		R0787 DRAINAGE TO COLUSA BASIN DRAIN										
10/14/70	5050	9.50	65 F		7.8		400		0.01				0.09	
1340	5050	0	25E		8.3	758	0				0.7			0.17
11/19/70	5050	9.10	13.0C		8.0		288		0.05				0.12	
1205	5050	0	30E		8.3	598	0				0.6			0.17
12/17/70	5050	9.60	10.0C		7.5		317		0.62				0.06	
1255	5050	0	25E		7.8	707	0				0.2			0.10
1/19/71	5050	9.60	53.0F		7.4		251		0.19				0.05	
1355	5050	0	280E			527	0				0.3			0.10
2/23/71	5050	9.45	55 F		8.2		352		0.06				0.06	
1455	5050	0	20E		8.5	782	10				0.4			0.10
3/24/71	5050	0.66	62 F		8.1		383		0.01				0.07	
1245	5050	0	50E		8.3	812	0				0.4			0.13
4/20/71	5050	1.50	62 F		8.1		410		0.00				0.12	
1445	5050	0	30E		8.4	899	6				0.6			0.20
5/25/71	5050	1.15	23 C		7.6		236		0.03				0.10	
1405	5050	0	5E		8.3	538	0				0.6			0.15
6/10/71	5050	0.50	22 C		7.4		238		0.05				0.08	
1440	5050	0	30E		7.5	509	0				0.6			0.10
7/15/71	5050	0.50	27 C		7.2		240		0.00				0.13	
1430	5050	0	5E		8.4	466	4				0.5			0.16
8/11/71	5050	0.50	25.5C		7.2		245		0.04				0.15	
1300	5050	0	30E		8.0	466	0				0.4			0.15
9/28/71	5050	9.50	18 C		7.6		311		0.01				0.11	
1300	5050	0	25E		7.6	608	0				0.6			0.18
	A0	2955.00		R0787 DRAINAGE TO SACRAMENTO RIVER										
10/14/70	5050		68 F		7.4		361		0.02				0.25	
1220	5050	0	25E		8.0	795	0				1.0			0.36
11/19/70	5050	8.70	13.0C		7.8		283		0.04				0.20	
1240	5050	0	70E		8.3	586	0				0.5			0.27
12/17/70	5050	8.55	11.0C		7.5		307		0.68				0.17	
1335	5050	61	35E		7.8	670	0				0.3			0.21
1/19/71	5050	8.40	57.0F		7.4		303		0.23				0.14	
1420	5050	0	190E			750	0				0.4			0.20
2/23/71	5050	8.35	54 F		8.2		364		0.10				0.09	
1430	5050	57	25E		8.4	840	8				0.5			0.18
3/24/71	5050	0.90	60 F		7.3		168		0.10				0.10	
1330	5050	0	80E		7.5	329	0				0.3			0.11
4/20/71	5050	1.88	60 F		7.3		132		0.09				0.10	
1550	5050	0	25E		7.6	307	0				0.4			0.12
5/25/71	5050	0.36	21 C		7.4		225		0.24				0.20	
1500	5050	58	12E		8.0	569	0				1.0			0.26
6/10/71	5050	0.55	22 C		7.3		235		0.12				0.17	
1555	5050	0	35E		7.5	550	0				1.6			0.21
7/15/71	5050	9.80	28 C		7.1		241		0.06				0.15	
1615	5050	0	11E		8.0	564	0				0.7			0.21
8/11/71	5050	9.20	28 C		7.3		235		0.07				0.14	
1430	5050	0	50E		7.9	488	0				0.6			0.20
9/28/71	5050	9.10	16 C		7.8		343		0.05				0.23	
1430	5050	0	30E		7.7	711	0				0.5			0.25
	A0	2965.00		R070 DRAINAGE TO SACRAMENTO RIVER										
10/14/70	5050		69 F		7.4		369		0.06				0.22	
1030	5050	0	45E		7.8	872	0				0.8			0.34
11/19/70	5050		12.0C		7.0		114		0.12				0.06	
1030	5050	0	30E		8.1	271	0				0.8			0.09
12/17/70	5050		9.0C		7.9		354		0.81				0.19	
1120	5050	31	45E		7.8	907	0				0.4			0.22
1/19/71	5050	3.85	55.0F		7.8		362		0.80				0.18	
1130	5050	67	80E			976	0				0.4			0.20
2/23/71	5050	7.55	48 F		8.2		236		0.04				0.09	
1115	5050	0	25E		8.5	702	6				0.4			0.12

TABLE D-4 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. Q	TEMP TURB	FIELD CO2 ALK.	FIELD LABORATORY PH	EC	LAB HCO3 CO3	NO2 NH3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO3 ORG N	DIS ORG N	NH3 + ORG N	FIL. A.H.PO4	F PO4 U PO4	F TOT P U TOT P
	A0	2965.00		RD70 DRAINAGE TO SACRAMENTO RIVER							CONTINUED			
3/24/71	5050		60 F		8.0		245		0.08				0.10	
1010	5050	78	105E		8.3	710	0				0.5			0.17
4/20/71	5050		58 F		7.9		256		0.21				0.11	
1050	5050	20	60E		8.2	739	0				0.6			0.16
5/25/71	5050	3.55	21.5C		7.5		226		0.28				0.20	
1230	5050	17	10E		8.0	626	0				0.6			0.24
6/10/71	5050	3.91	22 C		7.7		222		0.24				0.12	
1120	5050	17	45E		8.0	555	0				0.9			0.18
7/15/71	5050	3.60	27 C		7.7		201		0.01				0.15	
1140	5050	17	2E		8.3	462	0				0.8			0.17
8/11/71	5050	4.60	27 C		7.3		210		0.03				0.12	
1000	5050	17	30E		8.3	546	0				0.6			0.13
9/28/71	5050	2.98	17.5C		7.9		345		0.02				0.22	
1100	5050	0	40E		7.7	822	0				0.7			0.26
	A0	2967.00		BUTTE SLOUGH AT OUTFALL GATES										
10/14/70	5050		62 F		7.0		106		0.02				0.06	
1000	5050	223	35E		8.0	196	0				0.4			0.13
11/19/70	5050	9.88	12.0C		7.0		93		0.11				0.04	
1000	5050	0	20E		7.8	180	0				0.3			0.10
12/17/70	5050	9.87	9.0C		6.8		72		0.30				0.04	
1050	5050	0	80E		7.3	153	0				0.3			0.12
1/19/71	5050		52.0F		7.1		102		0.13				0.04	
1045	5050	0	120E			204	0				0.5			0.09
	A0	5103.00		FEATHER RIVER AT NICOLAUS										
10/07/70	5050		59.4F		7.3	86	45		0.03				0.00	
0900	5050	5530			7.8	82	0	0.00	0.1		0.1			0.05
10/20/70	5050	3.97	58 F		7.3	80			0.07				0.01	
1100	5050	5500	6E			84					0.2			0.02
11/05/70	5050		56.0F		7.3	88	46		0.05				0.04	
1020	5050	6200			7.6	84	0	0.00	0.2		0.2			0.04
11/17/70	5050	4.47	54.0F		7.2	85			0.03				0.03	
1315	5050	6220	7E			84					0.1			0.03
12/09/70	5050		50.4F		7.3	96	41		0.26				0.03	
1010	5050	14800			7.4	88	0	0.01	0.2		0.21			0.06
12/21/70	5050	2.90	47 F		7.3	89			0.20				0.02	
1040	5050	11500	15E			88					0.2			0.04
3/17/71	5050	0.44	49 F		7.3	88			0.07				0.00	
0830	5050	13800	25E			85					0.3			0.07
4/21/71	5050	8.68	52.0F		7.4	85			0.00				0.00	
0930	5050	13860	10E			81					0.1			0.02
5/19/71	5050	6.43	59.0F		7.5	80			0.01				0.00	
0715	5050	9240	10E			80					0.2			0.03
6/16/71	5050	7.01	78 F		7.6	84			0.01				0.00	
1040	5050	10520	25E			74					0.2			0.05
7/21/71	5050	5.17	75 F		7.3	70			0.01				0.00	
1220	5050	7289	10E			74					0.2			0.03
8/18/71	5050	6.75	70 F		7.3	75			0.00				0.00	
1200	5050	10050	7E			77					0.1			0.02
9/15/71	5050	7.92	64 F		7.3	75			0.04				0.01	
1140	5050	12320	10E			78					0.2			0.02
	A0	5111.01		FEATHER RIVER BELOW STAR BEND										
10/13/70	5403		58 F		7.3				0.05				0.01	
0910	5050		6E			82					0.2			0.01
10/24/70	5403		50.0F		7.2				0.02				0.01	
0930	5050		5E			88					0.0			0.03
11/10/70	5403		51 F		7.1				0.05				0.01	
0935	5050		10E			85					0.1			0.16
11/24/70	5403		46.0F		7.1				0.04				0.01	
0900	5050		5E			86					0.3			0.02
12/08/70	5403		44.0F		7.0				0.15				0.02	
0930	5050		35E			83					0.0			0.04
12/22/70	5403		38.0F		7.0				0.12				0.01	
0930	5050		15E			89					0.2			0.03
	A0	5120.00		FEATHER RIVER BELOW SHANGHAI BEND										
10/07/70	5050	5.97	57.6F		7.3	87			0.05				0.01	
0815	5050	4857	7E			83					0.1			0.06
10/20/70	5050	6.03	56 F		7.2	80			0.06				0.01	
0950	5050	5067	6E			85					0.2			0.01
11/04/70	5050	6.18	54.8F		7.3	89			0.04				0.03	
1630	5050	5432	7E			84					0.1			0.13
11/17/70	5050	6.44	52.0F		7.2	85			0.03				0.02	
1120	5050	5959	8E			83					0.2			0.04

TABLE D-4 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. O	TEMP TURB	FIELD CO2 ALK.	FIELD LABORATORY PH	FIELD LABORATORY EC	LAB HCO3 CO3	NO2 NH3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO3 ORG N	DIS ORG N	NH3 + ORG N	FIL. A.H.PO4	F PO4 U PO4	F TOT P U TOT P
	A0	5120.00		FEATHER RIVER BELOW SHANGHAI BEND						CONTINUED				
12/08/70	5050	0.40	51.0F		7.3	90			0.15				0.00	
1415	5050	12680	40E			84					0.1			0.04
12/21/70	5050	9.16	46 F		7.3	90			0.08				0.01	
1130	5050	10690	15E			88					0.1			0.02
1/06/71	5050	9.14	43.5F		7.3	95			0.08				0.01	
1020	5050	10710	7E			87					0.1			0.03
	A0	5125.00		FEATHER RIVER AT SHANGHAI BEND										
10/27/70	5213	6.15	53.0F		7.3				0.03				0.02	
0825	5050	5309	8E			93					0.1			0.03
11/10/70	5213	6.75	56 F		7.7				0.03				0.02	
0725	5050	6385	15E			91					0.1			0.20
11/24/70	5213	6.28	53.0F		7.4				0.04				0.02	
0845	5050	5787	8E			92					0.2			0.03
12/08/70	5213	0.32	50.0F		7.5				0.13				0.01	
0820	5050	12530	15E			90					0.2			0.05
	A0	5134.01		FEATHER RIVER ABOVE YUBA RIVER AT YUBA CITY										
10/27/70	5212	1.23	12.2C		7.9				0.03				0.02	
1315	5050		8E			95					0.1			0.05
11/10/70	5212		13.9C		7.6				0.03				0.01	
1115	5050		7E			91					0.1			0.12
11/24/70	5212	1.23	11.8C		7.8				0.03				0.02	
0930	5050		9E			96					0.2			0.03
12/08/70	5212		10.4C		7.6				0.18				0.01	
1315	5050		10E			90					0.1			0.06
12/22/70	5212		7.4C		7.9				0.12				0.01	
1240	5050		25E			91					0.2			0.04
	A0	5136.01		FEATHER RIVER AT YUBA CITY DIVERSION										
10/27/70	5212	9.00	12.2C		7.9				0.03				0.08	
1345	5050		6E			91					0.1			0.11
11/10/70	5212	9.50	13.6C		7.8				0.03				0.00	
1145	5050		7E			88					0.0			0.04
11/24/70	5212	9.5	11.6C		7.9				0.03				0.02	
1005	5050		2E			110					0.2			0.02
12/08/70	5212		10.3C		7.7				0.12				0.01	
1345	5050		15E			90					0.1			0.05
12/22/70	5212		7.3C		8.0				0.12				0.01	
1220	5050		15E			91					0.2			0.03
	A0	5165.00		FEATHER RIVER NEAR GRIDLEY										
10/07/70	5050	6.42	57.5F		7.3	88	45		0.02				0.00	
0645	5050	3034			7.7	82	0	0.00	0.1		0.1			0.04
10/20/70	5050	6.42	57 F		7.3	83			0.06				0.00	
0840	5050	3054	5E			93					0.2			0.01
11/05/70	5050	6.49	55.8F		7.3	91	49		0.04				0.02	
0830	5050	3199			7.5	86	0	0.01	0.1		0.11			0.04
11/17/70	5050	6.41	56.0F		7.4	92			0.03				0.02	
1020	5050	3034	4E			89					0.2			0.05
12/09/70	5050	8.16	50.4F		7.3	96	49		0.10				0.00	
0840	5050	7208			7.5	88	0	0.00	0.0		0.0			0.02
12/21/70	5050	7.32	46 F		7.4	89			0.06				0.00	
1230	5050	5214	4E			88					0.1			0.01
	A0	5660.00		JACK SLOUGH AT MARYSVILLE										
10/13/70	5401		58 F		7.2				0.05				0.02	
0935	5050		11E			87					0.3			0.04
10/27/70	5401		60.0F		7.2				0.04				0.07	
1115	5050		30E			126					0.4			0.14
11/10/70	5401		58 F		6.7				0.02				0.06	
0907	5050		25E			134					0.6			0.16
12/08/70	5401		52.0F		6.5				0.15				0.04	
0936	5050		30E			99					0.5			0.10
12/22/70	5401		43.0F		6.7				0.14				0.02	
1045	5050		35E			90					0.5			0.06
	A0	5710.01		NORTH HONCUT CREEK AT HIGHWAY 70										
10/27/70	5401		60.0F		7.3				0.04				0.19	
1042	5050		7F			224					0.5			0.19
11/10/70	5401		59 F		7.0				0.04				0.02	
0836	5050	50	7E			186					0.4			0.18
12/08/70	5401		53.0F		6.9				0.36				0.02	
0907	5050		15E			125					0.3			0.05
12/22/70	5401		48.0F		6.9				0.20				0.01	
0939	5050		30E			96					0.4			0.04

TABLE D-4 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. Q	TEMP TUR8	FIELD CO2 ALK.	FIELD LABORATORY PH	EC	LAB HCO3 CO3	NO2 NH3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO3 ORG N	DIS ORG N	NH3 + ORG N	FIL. A.M.PO4	F PO4 U PO4	F TOT P U TOT P
	A0 6120.00			YUBA RIVER AT MARYSVILLE										
10/27/70	5213		49.0F		7.3				0.02				0.03	
0845	5050		4E			80					0.0			0.03
11/10/70	5213		49 F		7.3				0.06				0.00	
0800	5050		10E			72					0.0			0.03
11/24/70	5213		47.0F		7.1				0.04				0.00	
0955	5050		2E			75					0.1			0.01
12/08/70	5213		49.0F						0.18				0.01	
0850	5050		35E			69					0.0			0.04
	A0 6150.00			YUBA RIVER NEAR MARYSVILLE										
10/13/70	5402		60.8F		7.4				0.02				0.00	
1030	5050	2100	2E			75					0.1			0.01
10/27/70	5402		52.0F		7.5				0.01				0.01	
1045	5050	2360	3E			79					0.0			0.04
11/10/70	5402		50 F		7.4				0.05				0.00	
1040	5050	3240	10E			72					0.0			0.00
11/24/70	5402		49.0F		7.4				0.03				0.00	
1140	5050	2800	3E			72					0.1			0.02
12/08/70	5402		50.0F		7.3				0.18				0.01	
1105	5050	4130	45E			69					0.1			0.03
12/22/70	5402		52.0F		7.4				0.09				0.00	
1045	5050	4320	10E			80					0.1			0.02
	A0 6512.01			BEAR RIVER NEAR RIO OSO										
10/20/70	5050		58 F		7.3	135			0.09				0.01	
0730	5050		15E			136					0.6			0.06
11/17/70	5050		53.5F		7.4	160			0.23				0.15	
0920	5050	40 E	30E			158					0.5			0.21
12/08/70	5050		53.8F		7.1	128			0.65				0.08	
1510	5050		25E			118					0.8			0.16
12/21/70	5050		47 F		7.3	94			0.40				0.03	
1330	5050		35E			94					0.3			0.05
1/06/71	5050		37.0F		7.3	144			0.42				0.11	
0755	5050		20E			129					0.6			0.18
	A0 6535.01			BEAR RIVER AT FORTY MILE ROAD NEAR WHEATLAND										
12/08/70	5405	8.5	52.0F		7.0				0.34				0.02	
1330	5050	4.5	35E			75					0.2			0.04
12/22/70	5405	8.3	50.0F		7.3				0.31				0.00	
1330	5050	7.0	30E			70					0.2			0.03
	A0 6550.00			BEAR RIVER NEAR WHEATLAND										
10/27/70	5405		62.0F						0.01				0.08	
1330	5050	7.2	10E			189					0.1			0.10
12/08/70	5405	8.25	52.0F		7.0				0.32				0.02	
1300	5050	1670	35E			75					0.1			0.04
12/22/70	5405	8.13	50.0F		7.2				0.31				0.00	
1300	5050	1570	20E			71					0.4			0.02
	A0 6620.01			DRY CREEK AT FORTY MILE ROAD NEAR RIO OSO										
12/08/70	5405	6.0			7.5				0.80				0.06	
	5050	3.5	15E			165					0.6			0.11
12/22/70	5405	6.5	45.0F		7.0				0.43				0.02	
1345	5050	4.5	15E			139					0.2			0.06
	A2 1010.00			SACRAMENTO RIVER AT KESWICK										
10/13/70	5050		54 F		7.1		53		0.06				0.05	
1325	5050	7100	3E		8.0	103	0				0.2			0.05
11/18/70	5050		53 F		7.1		56		0.12				0.03	
1115	5050	14000	7E		7.8	120	0				0.1			0.08
12/16/70	5050		49.0F		7.0		55		0.07				0.00	
1400	5050	20000	9E		7.4	115	0				0.1			0.03
1/18/71	5050		48.0F		7.1		54		0.10				0.00	
1420	5050	25000	40E			111	0				0.1			0.02
2/22/71	5050		7 C		7.1		56		0.01				0.02	
1135	5050	7000	10E		7.6	105	0				0.1			0.02
3/23/71	5050		47 F		7.1		53		0.06				0.00	
1340	5050	5000	6E		7.4	103	0				0.2			0.01
4/19/71	5050		47 F		7.1		58		0.05				0.01	
1400	5050	13500	7E		7.3	112	0				0.1			0.02
5/24/71	5050		9.0C		7.2		53		0.06				0.01	
1300	5050	14100	4E		7.8	109	0				0.1			0.03
6/09/71	5050		9 C		7.1		56		0.10				0.01	
1040	5050	13000	6E		7.3	109	0				0.1			0.02
7/14/71	5050		9.5C		7.1		57		0.06				0.01	
1105	5050	12500	5E		7.4	102	0				0.1			0.01
8/10/71	5050		10.5C		7.1		60		0.09				0.03	
0900	5050	13000	7E		7.3	108	0				0.2			0.03

TABLE D-4 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. Q	TEMP TURB	FIELD CO2 ALK.	FIELD LABORATORY PH	FIELD LABORATORY EC	LAB HCO3 CO3	NO2 NH3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO3 ORG N	DIS ORG N	NH3 + ORG N	FIL. A.H.PO4	F PO4 U PO4	F TOT P U TOT P
A2 1010.00				SACRAMENTO RIVER AT KESWICK						CONTINUED				
9/27/71	5050		12 C		7.1		58		0.10				0.02	
1115	5050	10500	4E		7.2	111	0				0.1			0.03
A3 1110.00				STONY CREEK BELOW BLACK BUTTE DAM										
11/10/70	5050	2.40	13.5C		8.4		237		0.00				0.01	
1240	5050	32	40E		8.3	429	0							
1/12/71	5050	2.39	5.5C		8.1		127		0.34				0.02	
1440	5050	35	80E		8.0	303	0							
3/10/71	5050	3.00	50 F		8.3		109		0.05				0.00	
1300	5050	98	7E		8.5	153	3							
5/18/71	5050		16.5C		8.1		131		0.11				0.02	
1030	5050	166	30E		8.3	260	0							
7/09/71	5050	4.03	23 C		7.9		135		0.00				0.00	
1125	5050	338	45E		7.3	276	0							
9/24/71	5050	3.77	20.5C		8.1		169		0.09				0.01	
1100	5050	242	85E		7.8	338	0							
A3 1250.00				STONY CREEK NEAR FRUTO										
10/07/70	5050		12.0C		8.4		247		0.07				0.00	
0930	5050	30	115E		7.9	454	0							
11/10/70	5050		12.0C		8.0		110		0.14				0.02	
1200	5050	142	115E		7.8	447	0							
12/10/70	5050		7.5C		7.8		94		0.16				0.00	
1245	5050	1500	240E		8.1	233	0							
1/12/71	5050		4.0C		7.6		88		0.00				0.01	
1400	5050	495	180E		8.0	204	0							
2/08/71	5050		7 C		7.9		102		0.14				0.01	
1115	5050	763	55E		8.1	228	0							
3/10/71	5050		48 F		8.0		121		0.00				0.00	
1200	5050	196	10E		8.1	288	0							
4/12/71	5050		60 F		8.0		106		0.00				0.00	
1440	5050	674	70E		8.2	226	0							
5/18/71	5050		13.5C		7.9		105		0.00				0.01	
0940	5050	300	4E		8.3	228	0							
6/08/71	5050		17 C		8.0		118		0.11				0.00	
0930	5050	265	20E		8.3	246	0							
7/09/71	5050		21 C		8.1		138		0.00				0.00	
1030	5050	104	30E		7.9	276	0							
8/09/71	5050		21 C		8.0		152		0.05				0.00	
0845	5050	425	80E		8.0	289	0							
9/24/71	5050		19 C		8.2		180		0.02				0.00	
1005	5050	201	60E		7.9	353	0							
A3 1302.00				GRINDSTONE CREEK NEAR ELK CREEK										
11/10/70	5050	9.82	11.0C		7.5		92		0.14				0.02	
1130	5050	184	115E		7.7	305	0							
1/12/71	5050		4.0C		7.6		77		0.02				0.00	
1335	5050	310	210E		8.0	176	0							
3/10/71	5050	9.60	46 F		7.7		101		0.00				0.01	
1150	5050	93	4E		8.0	247	0							
5/18/71	5050		12 C		7.6		75		0.00				0.01	
0925	5050	121	2E		7.9	177	0							
7/09/71	5050	9.65	24.5C		8.1		128		0.00				0.00	
1000	5050	24	1E		7.7	306	0							
9/24/71	5050	9.40	21 C		8.0		155		0.05				0.00	
0945	5050	22	1E		7.3	440	0							
A3 2120.00				THOMES CREEK AT PASKENTA										
10/07/70	5050	2.86	14.0C		8.4		135		0.00				0.00	
1030	5050	2.8	2E		8.0	474	0							
11/10/70	5050	4.63	9.0C		7.5		68		0.09				0.01	
1030	5050	305	500E		7.6	182	0							
12/10/70	5050	5.46	5.5C		7.4		72		0.05				0.00	
1125	5050	693	240E		7.9	148	0							
1/12/71	5050	5.63	3.5C		7.7		75		0.02				0.01	
1240	5050	731	140E		7.9	152	0							
2/08/71	5050	5.21	5 C		8.1		79		0.50				0.01	
1015	5050	540	45E		8.0	162	0							
3/10/71	5050	4.33	44 F		7.8		99		0.00				0.01	
1045	5050	180	3E		7.9	202	0							
5/18/71	5050		10.5C		7.4		76		0.00				0.01	
0835	5050	360	4E		8.0	192	0							
6/08/71	5050	4.18	15.5C		7.6		70		0.14				0.00	
0830	5050	244	14E		7.8	145	0							
7/09/71	5050	3.24	21 C		8.0		118		0.00				0.01	
0840	5050	51	1E		7.9	254	0							

TABLE D-4 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. Q	TEMP TURB	FIELD CO2 ALK.	FIELD LABORATORY PH	FIELD LABORATORY EC	LAB HCO3 CO3	NO2 NH3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO3 ORG N	DIS ORG N	NH3 + ORG N	FIL. A.H.PO4	F PO4 U PO4	F TOT P U TOT P
	A3	2120.00		THOMES CREEK AT PASKENTA						CONTINUED				
8/09/71	5050	2.78	24 C		7.9		113		0.05				0.00	
0755	5050	14	2E		7.9	308	0							
9/24/71	5050	2.54	17.5C		8.2		116		0.02				0.00	
0845	5050	4.5	0E		7.5	388	0							
	A5 R	953.0	028.6	LAKE DAVIS NEAR DAM (STATION 1)										
4/28/71	5050		46.0F		7.3	78	47	0.00	0.00				0.02	
1715	5050				7.8	78	0	0.00	0.3		0.3			0.05
	A5 R	954.9	030.3	LAKE DAVIS MID-LAKE (STATION 2)										
4/28/71	5050		42.3F		7.3	79		0.00	0.00				0.02	
1515	5050							0.00	0.5		0.5			0.04
4/28/71	5050		42.0F		7.3	79		0.00	0.00				0.00	
1540	5050							0.00	0.6		0.6			0.05
4/28/71	5050		40.4F		7.1	79		0.00	0.00				0.01	
1555	5050							0.00	0.5		0.5			0.03
	A5 R	954.9	032.1	LAKE DAVIS IN COW CREEK CHANNEL										
4/28/71	5050		56.1F		7.1	44	32	0.00	0.01				0.01	
1440	5050	9 E			7.7	51	0	0.00	0.2		0.2			0.07
	A5 R	955.3	033.0	LAKE DAVIS IN FREEMAN CREEK CHANNEL										
4/28/71	5050		45.4F		7.1	50	31	0.00	0.00				0.00	
1100	5050	20 E			7.7	51	0	0.00	0.2		0.2			0.03
	A5 R	955.7	033.7	LAKE DAVIS IN BIG GRIZZLY CREEK CHANNEL										
4/28/71	5050		36.6F		7.0	46	28	0.00	0.01				0.00	
0845	5050	20 E			7.6	48	0	0.00	0.2		0.2			0.03
	A5 R	955.9	031.3	LAKE DAVIS NEAR NORTH END (STATION 3)										
4/28/71	5050		42.1F		7.3	77	46	0.00	0.00				0.00	
1245	5050				7.9	78	0	0.00	0.5		0.5			0.04
	A5	5486.41		LAKE DAVIS TRIBUTARY, NORTH OF COW CREEK										
4/28/71	5050		56.0F		6.7	20		0.00	0.00				0.02	
1400	5050	1.0				21		0.00	0.2		0.2			
	A5	5486.53		FREEMAN CREEK TRIBUTARY OF TRIBUTARY, AT LAKE DAVIS										
4/28/71	5050		40.0F		6.6	19		0.00	0.00				0.03	
1135	5050	0.5				18		0.00	0.3		0.3			0.03
	A8 L	857.0	239.6 1	CLEARLAKE NEAR CLEARLAKE HIGHLANDS										
11/12/70	5050		58.0F		7.3		142		0.77				0.05	
1130	5050		10E		7.6	257	0							
12/10/70	5050		50.0F		7.1		139		0.61				0.24	
1110	5050		15E		7.9	247	0							
2/04/71	5050		47 F		7.1		138		0.84				0.02	
1045	5050		25E		7.5	244	0							
3/04/71	5050		47 F		7.3		138		0.70				0.01	
1025	5050		40E		7.8	247	0							
4/08/71	5050		54 F		7.2		132		0.68				0.02	
1035	5050				7.6	240	0							
	A8 L	902.7	254.7 1	CLEAR LAKE AT LAKEPORT										
10/22/70	5050		13.5C		8.1		136		0.05				0.30	
0730	5050		25E		8.1	244	0							
11/12/70	5050		56.0F		7.4		138		0.75				0.22	
0925	5050		40E		8.2	243	0							
12/10/70	5050		48.0F		7.4		121		0.54				0.52	
0915	5050		60E		7.8		0							
1/07/71	5050		6.0C		7.0		118		0.63				0.06	
1230	5050		55E		7.7	218	0							
2/04/71	5050		45 F		7.1		103		0.63				0.06	
0840	5050		100E		7.8	190								
3/04/71	5050		47 F		7.5		114		0.59				0.04	
0845	5050		80E		7.6	208	0							
4/08/71	5050		51 F		7.4		113		0.61				0.05	
0830	5050		45E		7.7	206	0							
5/05/71	5050		57 F		7.5		119		0.56				0.04	
0730	5050		30E		7.6	211	0							
6/24/71	5050		19 C		8.1		128		0.02				0.00	
0755	5050		20E		8.3	226	0							
7/22/71	5050		24.5C		8.3		134		0.00				0.07	
0935	5050		14E		8.3	231	0							
8/19/71	5050		24.5C		8.4		135		0.16				0.25	
0840	5050		7E		8.0	241	0							
9/16/71	5050		22 C		8.4		128		0.02				0.05	
0855	5050		5E		8.6	245	4							

TABLE D-4 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. Q	TEMP TURB	FIELD CO2 ALK.	FIELD LABORATORY PH	EC	LAB HCO3 CO3	NO2 NH3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO3 ORG N	DIS ORG N	NH3 + ORG N	FIL. A.H.PO4	F PO4 U PO4	F TOT P U TOT P
	A8	1350.00		CACHE CREEK NEAR LOWER LAKE										
10/22/70	5050	1.14	14.5C		7.8		148		0.05				0.00	
0835	5050	21	10E		7.8	265	0							
11/12/70	5050	0.53	51.0F		7.3		153		0.12				0.00	
1050	5050	2.8	4E		8.1	311	0				0.8			0.07
12/10/70	5050	0.48	48.0F		7.3		86		0.26				0.00	
1030	5050	2.2	60E		7.7	194	0				0.6			0.10
1/07/71	5050	0.56	7.0C		7.1		135		0.62				0.04	
1345	5050	3.2	25E		7.7	247	0				0.5			0.06
2/04/71	5050	0.72	47 F		7.6		139		0.86				0.01	
1000	5050	6.2	25E		7.7	256	0				0.6			0.03
3/04/71	5050	0.70	47 F		7.8		146		0.13				0.00	
0945	5050	5.8	20E		7.6	292	0				0.6			0.04
4/08/71	5050	0.60	59 F		8.0		138		0.49				0.01	
0945	5050	3.9	20E		7.8	248	0				0.7			0.04
5/05/71	5050	2.56	58 F		7.4		134		0.41				0.05	
0830	5050	180	25E		7.4	250	0				0.7			0.07
6/24/71	5050	6.93	23.5C		7.6		134		0.07				0.02	
0825	5050	3060	30E		8.0	250	0				1.6			0.10
7/22/71	5050	4.09	27 C		7.8		129		0.05				0.03	
1115	5050	650	4E		7.9	240	0				1.5			0.13
8/19/71	5050	3.58	26 C		8.4		138		0.04				0.00	
0945	5050	490	20E		8.1	247	0				1.1			0.12
9/16/71	5050	3.04	25 C		8.2		144		0.06				0.01	
0910	5050	335	20E		8.1	258	0				0.2			0.09
	B0	7020.00		SAN JOAQUIN RIVER NR VERNALIS										
10/20/70	5050	1.14							1.4					
	5050	1450									0.8			
	89 D	747.2	118.4	SAN JOAQUIN RIVER AT MOSSDALE BRIDGE										
10/06/70	5050								1.1					
0847	5050										1.1			
10/20/70	5050								1.3					
	5050										0.8			
	89 D	748.3	126.9	OLD RIVER AT TRACY ROAD BIDGE										
10/06/70	5001								1.0					
	5050										1.9			
10/13/70	5001								0.90					
0735	5050										2.0			
10/13/70	5001		19 C		7.8		188		1.00					
1250	5000		33A			826	0	0.0	1.20		1.2		0.08	0.14
10/20/70	5001		16 C						0.98					
0500	5050										1.6			
11/05/70	5001		14.0C						0.81					
0730	5050										1.4			
4/28/71	5001		17 C		8.6		137		0.80					
1450	5000		22A			900	8	0.02	0.40		0.42		0.04	0.24
7/15/71	5001		26 C		8.8		148		0.10					
1510	5001		25A			936	14	0.0					0.04	0.20
8/09/71	5001		26 C		8.6				0.40					
1305	5001		30A			1030		0.01					0.06	0.36
9/13/71	5001		25 C		8.2				0.49					
1425	5001		23A			1014		0.06					0.06	0.33
	89 D	748.5	120.0	OLD RIVER BELOW HEAD										
10/06/70	5001								0.99					
	5050										1.3			
10/13/70	5001								1.3					
0645	5050										1.1			
10/20/70	5001		16 C						1.2					
0610	5050										0.9			
11/05/70	5001		15.0C						1.2					
0905	5050										0.7			
	89 D	749.3	122.5	OLD RIVER AT JUNCTION WITH MIDDLE RIVER										
10/06/70	5001								1.1					
	5050										1.2			
10/13/70	5001								1.3					
0645	5050										0.9			
10/20/70	5001		16 C						1.2					
0540	5050										0.9			
11/05/70	5001		15.0C						1.4					
0805	5050										0.6			

TABLE D-4 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. Q	TEMP TURB	FIELD CO2 ALK.	FIELD LABORATORY PH	EC	LAB HCO3 CO3	NO2 NH3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO3 ORG N	DIS ORG N	NH3 + ORG N	FIL. A.M.PO4	F PO4 U PO4	F TOT P U TOT P
	89 D 751.9	119.3	SAN JOAQUIN RIVER AT BRANDT BRIDGE NEAR STOCKTON											
10/06/70	5050								1.1					
0748	5050										1.2			
10/20/70	5050								1.2					
	5050										0.8			
	89 D 752.6	122.9	MIDDLE RIVER AT WILLIAMS BRIDGE NEAR HOLT											
10/13/70	5001		19 C		8.4		146		0.					
1215	5000		58A			683	0	0.12	1.20		1.32		0.02	0.08
4/28/71	5001		18 C		7.6		104		1.30					
1415	5000		35A			765	0	0.03	0.52		0.55		0.04	0.15
7/15/71	5001		26 C		7.1		67		0.40					
1405	5001		60A			242	0	0.01					0.07	0.13
8/09/71	5001		27 C		7.5				0.25					
1340	5001		39A			236		0.03					0.20	0.20
9/13/71	5001		25 C		7.5				0.10					
1500	5001		65A			233		0.03					0.04	0.27
	89 D 753.5	129.3	MIDDLE RIVER AT BORDEN HIGHWAY NEAR TRACY											
10/13/70	5001		19 C		7.3		88		0.40					
1135	5000		34A			263	0	0.0	0.47		0.47		0.08	0.09
4/28/71	5001		18 C		7.8		74		0.0					
1335	5000		30A			275	0	0.0	0.28		0.28		0.05	0.15
7/15/71	5001		25 C		7.5		63		0.20					
1330	5001		28A			182	0	0.0					0.06	0.10
8/09/71	5001		26 C		7.6				0.10					
1230	5001		30A			164		0.04					0.05	0.14
9/13/71	5001		24 C		7.3				0.01					
1350	5001		19A			181		0.01					0.03	0.14
	89 D 756.1	125.8	WHISKY SLOUGH AT HOLT											
10/13/70	5001		19 C		7.1		98		0.30					
1050	5000		27A			394	0	0.0	0.67		0.67		0.02	0.04
4/28/71	5001		19 C		9.1		82		0.0					
1250	5000		18A			630	8	0.0	0.48		0.48		0.0	0.13
7/15/71	5001		26 C		8.4		87		0.0					
1255	5001		20A			426	0	0.0					0.01	0.10
8/09/71	5001		27 C		7.8				0.0					
1145	5001		25A			338		0.0					0.02	0.12
9/13/71	5001		26 C		7.1				0.04					
1310	5001		12A			325		0.02					0.02	0.10
	89 D 757.8	121.9	STOCKTON SHIP CHANNEL AT BURNS CUTOFF											
10/06/70	5050								1.0					
0633	5050										1.7			
10/20/70	5050								1.2					
	5050										0.9			
	89 D 758.7	122.9	SAN JOAQUIN RIVER AT BUCKLEY COVE											
10/12/70	5001		20 C		7.7		166		1.20					
1330	5000		30A			687	0	0.70	1.10		1.8		0.27	0.32
4/28/71	5001		18 C		8.5		123		1.00					
1135	5000		14A			610	0	0.0	0.48		0.48		0.20	0.38
7/15/71	5001		25 C		7.7		99		0.26					
1215	5001		21A			460	0	0.11					0.20	0.14
8/09/71	5001		26 C		7.7				0.15					
1100	5001		21A			289		0.01					0.06	0.17
9/13/71	5001		25 C		7.3				0.96					
1200	5001		12A			538		0.10					0.28	0.41
	89 D 759.9	126.6	SAN JOAQUIN RIVER AT LIGHT NO 24											
10/06/70	5050								1.0					
0605	5050										0.7			
10/20/70	5050								1.2					
	5050										1.0			
	89 D 801.1	142.6	BIG BREAK NEAR OAKLEY											
10/07/70	5001		18 C		7.8				0.07					
1305	5000		34A			164		0.00	0.31	0.25	0.31		0.08	0.16
11/23/70	5001		14 C		7.5				0.36					
1210	5000		17A			183		0.00	0.81	.54	0.81		0.08	0.12
3/03/71	5001		10 C		6.8		74		0.30					
0940	5000		20A			255	0	0.09	0.17	.10	0.26		0.06	0.14
4/06/71	5001		15 C		7.5		60		0.10					
1440	5000		50A			151	0	0.0	0.32	.22	0.32		0.04	0.16
5/05/71	5001		16 C		7.8		61		0.0					
1425	5000		23A			143	0	0.04	0.21	.38	0.25		0.04	0.10
6/03/71	5001		19 C		7.7		68		0.03					
1450	5000		17A			151	0	0.0	0.23	.24	0.23		0.03	0.15

TABLE D-4 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. Q	TEMP TURB	FIELD CO2 ALK.	FIELD LABORATORY PH	EC	LAB HCO3 CO3	NO2 NH3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO3 ORG N	DIS ORG N	NH3 + ORG N	FIL. A.H.PO4	F PO4 U PO4	F TOT P U TOT P
		89 D 801.1	142.6	BIG BREAK NEAR OAKLEY						CONTINUED				
7/01/71	5001		22 C		7.7		60		0.01					
1315	5001		20A			141	0	0.01		.04			0.04	0.09
8/04/71	5001		25 C		8.0		60		0.17					
1605	5001		19A			179	0	0.03		.07			0.03	0.10
9/01/71	5001		23 C		8.2		65		0.0					
1620	5001		18A			169	0	0.02					0.04	0.10
9/29/71	5001		19 C		7.5		69		0.01					
1430	5001		18A			158	0	0.0					0.03	0.09
		89 D 801.2	148.5	SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL										
10/07/70	5001		18 C		7.5				0.09					
1230	5000		36A			396		0.00	0.26	0.21	0.26		0.08	0.19
11/20/70	5001		14 C		7.2				0.32					
1205	5000		23A			196		0.02	1.00	0.0	1.02		0.07	0.11
3/03/71	5001		10 C		6.9		66		0.30					
0835	5000		25A			265	0	0.12	0.31	0.23	0.43		0.06	0.20
4/06/71	5001		15 C		7.5		64		0.0					
1320	5000		45A			157	0	0.0	0.20	0.12	0.2		0.02	0.18
5/05/71	5001		16 C		7.8		64		0.0					
1340	5000		26A			161	0	0.0	0.19	0.21	0.19		0.03	0.10
6/03/71	5001		18 C		7.6		152		0.0					
1410	5000		14A			170	0	0.03	0.28	0.27	0.31		0.04	0.10
7/01/71	5001		22 C		7.7		63		0.01					
1225	5001		18A			187	0						0.03	0.09
8/04/71	5001		24 C		7.7		64		0.01					
1515	5001		23A			464	0	0.01		0.06			0.03	0.10
9/01/71	5001		22 C		7.9		68		0.02					
1540	5001		30A			279	0	0.01					0.04	0.12
9/29/71	5001		19 C		7.8		71		0.02					
1340	5001		25A			166	0	0.0					0.03	0.09
		89 D 801.6	145.2	SAN JOAQUIN RIVER AT ANTIOCH BRIDGE (AT LIGHT 12)										
10/09/70	5001		19 C		7.5				0.05					
1430	5000		20A			286		0.00	0.24	0.19	0.24		0.08	0.15
11/20/70	5001		15 C		7.2				0.25					
1315	5000		14A			206		0.00	0.76	0.42	0.76		0.07	0.12
3/03/71	5001		10 C		6.7		74		0.30					
0920	5000		19A			275	0	0.07	0.15	0.10	0.22		0.06	0.10
4/06/71	5001		16 C		7.4		63		0.10					
1420	5000		45A			164	0	0.0	0.28	0.10	0.28		0.02	0.14
5/05/71	5001		16 C		7.9		62		0.0					
1400	5000		26A			155	0	0.04	0.21	0.18	0.25		0.03	0.11
6/03/71	5001		18 C		7.7		68		0.0					
1430	5000		11A			164	0	0.0	0.27	0.22	0.27		0.03	0.10
7/01/71	5001		22 C		7.6		62		0.02					
1250	5001		15A			171	0	0.01		0.05			0.03	0.09
8/04/71	5001		24 C		7.7		62		0.03					
1535	5001		19A			383	0	0.02		0.01			0.03	0.10
9/01/71	5001		22 C		7.9		68		0.01					
1600	5001		20A			267	0	0.02					0.04	0.10
9/29/71	5001		19 C		7.6		70		0.01					
1405	5001		19A			171	0	0.0					0.02	0.04
		89 D 802.6	136.8	FRANKS TRACT NEAR RUSSOS LANDING										
10/07/70	5001		18 C		7.7				0.11					
1425	5000		22A			157		0.00	0.15	0.12	0.15		0.07	0.14
11/23/70	5001		14 C		7.2				0.36					
1315	5000		17A			199		0.00	0.95	0.47	0.95		0.08	0.11
3/03/71	5001		10 C		7.0		72		0.30					
1055	5000		18A			245	0	0.10	0.15	0.07	0.25		0.06	0.10
4/06/71	5001		15 C		7.6		59		0.10					
1540	5000		45A			146	0	0.18	0.22	0.12	0.4		0.02	0.15
5/05/71	5001		17 C		7.9		60		0.0					
1600	5000		26A			134	0	0.02	0.23	0.38	0.25		0.04	0.12
6/03/71	5001		19 C		7.7		68		0.0					
1615	5000		21A			148	0	0.03	0.23	0.31	0.26		0.04	0.30
7/01/71	5001		23 C		7.8		59		0.03					
1450	5001		12A			134	0	0.01		0.04			0.04	0.09
8/04/71	5001		24 C		8.0		59		0.02					
1730	5001		21A			153	0	0.04		0.03			0.04	0.10
9/01/71	5001		22 C		8.2		66		0.0					
1735	5001		25A			151	0	0.0					0.04	0.08
9/29/71	5001		18 C		7.8		67		0.01					
1550	5001		22A			147	0	0.0					0.03	0.06

TABLE D-4 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. Q	TEMP TURB	FIELD CO2 ALK.	FIELD PH	LABORATORY EC	LAB HCO3 CO3	NO2 NH3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO3 ORG N	DIS ORG N	NH3 + ORG N	FIL. A.H.PO4	F PO4 U PO4	F TOT P U TOT P
	89 D 802.6	147.6	SHERMAN LAKE NEAR ANTIOCH											
10/08/70	5001		18 C		7.4				0.07					
1300	5000		25A			272		0.00	0.38	0.21	0.38		0.08	0.19
11/20/70	5001		14 C		7.2				0.29					
1240	5000		21A			186		0.00	0.58	0.35	0.58		0.07	0.11
3/03/71	5001		10 C		6.9		78		0.30					
0900	5000		23A			265	0	0.15	0.12	0.08	0.27		0.06	0.09
4/06/71	5001		15 C		7.5		65		0.10					
1355	5000		100A			138	0	0.03	0.30	0.15	0.33		0.02	0.15
5/04/71	5001		16 C		7.3		62		0.0					
1405	5000		25A			135	0	0.02	0.21	0.19	0.23		0.04	0.10
6/02/71	5001		17 C		7.6		68		0.08					
1325	5000		18A			161	0	0.0	0.19	0.22	0.19		0.04	0.10
6/30/71	5001		21 C		7.4		60		0.06					
1200	5000		27A			152	0	0.01		0.01			0.04	0.11
8/03/71	5001		23 C		7.9		62		0.02					
1625	5001		25A			320	0	0.0					0.04	0.12
8/31/71	5001		22 C		8.1		67		0.02					
1520	5001		20A			266	0	0.01					0.04	0.11
9/28/71	5001		18 C		7.8		72		0.03					
1320	5001		20A			166	0	0.0					0.03	0.03
	89 D 802.7	123.3	DISAPPOINTMENT SLOUGH NEAR LODI											
10/12/70	5001		19 C		7.3		74		0.10					
1145	5000		60A			154	0	0.0	1.10		1.1		0.06	0.09
4/28/71	5001		16 C		7.2		78		0.0					
1010	5000		24A			210	0	0.0	0.38		0.38		0.11	0.28
7/15/71	5001		24 C		7.4		80		0.05					
1045	5001		40A			198	0	0.0					0.07	0.17
8/09/71	5001		26 C		7.7				0.10					
0955	5001		30A			227		0.01					0.07	0.18
9/13/71	5001		24 C		7.3				0.02					
1040	5001		27A			199		0.02					0.04	0.21
	89 D 803.1	141.3	SAN JOAQUIN RIVER AT JERSEY POINT											
10/01/70	5001		20 C		7.3				0.09					
1300	5000		21A			169		0.00	0.31	0.24	0.31		0.08	0.20
10/07/70	5001		18 C		7.7				0.09					
1350	5000		17A			166		0.00	0.21	0.19	0.21		0.08	0.14
10/15/70	5001		17 C		7.4				0.14					
1130	5000		23A			158		0.00	0.43	0.25	0.43		0.08	0.24
10/22/70	5001		16 C		7.3				0.10					
1130	5000		24A			169		0.0	0.46		0.46		0.07	0.09
10/29/70	5001		15 C		7.3				0.20					
1115	5000		17A			164		0.10	0.50		0.6		0.06	0.11
11/23/70	5001		14 C		7.2				0.29					
1245	5000		21A			209		0.00	0.51	0.32	0.51		0.07	0.12
3/03/71	5001		10 C		6.7		76		0.30					
1000	5000		18A			270	0	0.05	0.22	0.09	0.27		0.06	0.11
4/06/71	5001		15 C		7.5		61		0.10					
1505	5000		50A			156	0	0.08	0.12	0.18	0.2		0.02	0.15
5/05/71	5001		16 C		7.8		61		0.07					
1450	5000		19A			136	0	0.03	0.28		0.31		0.04	0.10
6/03/71	5001		18 C		7.6		148		0.05					
1510	5000		13A			149	0	0.06	0.21	0.22	0.27		0.03	0.10
7/01/71	5001		22 C		7.6		59		0.03					
1345	5001		16A			137	0	0.01		0.03			0.04	0.09
8/04/71	5001		24 C		7.8		62		0.01					
1630	5001		18A			200	0	0.02		0.03			0.03	0.10
9/01/71	5001		21 C		8.1		66		0.02					
1645	5001		16A			185	0	0.02					0.03	0.11
9/29/71	5001		18 C		7.9		68		0.02					
1455	5001		17A			151	0	0.01					0.03	0.08
	89 D 804.4	134.2	OLD RIVER AT MOUTH											
10/07/70	5001		18 C		7.5				0.16					
1525	5000		14A			140		0.02	0.26	0.24	0.28		0.08	0.14
11/23/70	5001		14 C		7.3				0.38					
1340	5000		20A			191		0.02	0.71	0.47	0.73		0.08	0.12
3/03/71	5001		9 C		6.9		71		0.10					
1120	5000		19A			230	0	0.10	0.15	0.07	0.25		0.06	0.09
	89 D 804.7	134.0	SAN JOAQUIN RIVER AT POTATO POINT											
3/03/71	5001		9 C		7.2		72		0.2					
1130	5000		17A			204	0	0.12	0.19	0.11	0.31		0.06	0.07
4/06/71	5001		15 C		7.5		58		0.1					
1605	5000		50A			127	0	0.46	0.22	.12	0.68		0.02	0.15

TABLE D-4 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. Q	TEMP TURB	FIELD CO2 ALK.	FIELD LABORATORY PH	EC	LAB HCO3 CO3	NO2 NH3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO3 ORG N	DIS ORG N	NH3 + ORG N	FIL. A.H.PO4	F PO4 U PO4	F TOT P U TOT P
89 D 804.7 134.0	SAN JOAQUIN RIVER AT POTATOE POINT									CONTINUED				
5/05/71	5001		16 C		7.5		62		0.0					
1630	5000		16A			133	0	0.0	0.10	.20	0.1		0.05	0.11
6/03/71	5001		18 C		7.3		66		0.1					
1640	5000		11A			140	0	0.07	0.28	.28	0.35		0.05	0.10
7/01/71	5001		23 C		7.4		55		0.1					
1515	5001		18A			125	0	0.05		0.04			0.05	0.09
8/04/71	5001		24 C		7.7		63		0.1					
1755	5001		17A			139	0	0.04		0.04			0.05	0.10
9/01/71	5001		22 C		8.0		66		0.1					
1800	5001		16A			138	0	0.03					0.04	0.12
9/29/71	5001		17 C		7.6		44		0.1					
1620	5001		15A		9.5	136	14	0.02					0.04	0.10
89 D 805.2 124.1	WHITE SLOUGH AT RIO BLANCO TRACT NEAR LODI													
10/12/70	5001		18 C		7.1		220		3.60					
1115	5000		29A			577	0	0.23	1.40		1.63		3.26	3.26
4/28/71	5001		16 C		7.4		90		0.90					
0915	5000		17A			237	0	0.16	0.48		0.64		0.71	0.07
7/15/71	5001		25 C		7.3		164		3.20					
0945	5001		35A			445	0	0.09					1.79	1.89
8/09/71	5001		26 C		7.5				0.07					
0915	5001		17A			277		0.06					0.27	0.38
9/13/71	5001		23 C		7.0				0.04					
0955	5001		9A			588		0.05					1.70	2.00
89 D 805.2 126.0	WHITE SLOUGH NEAR LODI													
10/12/70	5001		18 C		7.3		77		0.50					
1045	5000		27A			168	0	0.0	0.98		0.98		0.24	0.30
4/29/71	5001		16 C		7.5		55		0.0					
1010	5000		16A			124	0	0.05	0.28		0.33		0.04	0.15
7/16/71	5001		24 C		7.3		63		0.20					
1000	5001		25A			164	0	0.01					0.09	0.14
8/10/71	5001		25 C		7.5				0.18					
0940	5001		19A			180		0.01					0.06	0.12
9/14/71	5001		24 C		7.4				0.03					
1100	5001		20A			193		0.05					0.11	0.19
89 D 809.6 141.1	SACRAMENTO RIVER AT RIO VISTA BRIDGE													
10/07/70	5001		17 C		7.3				0.11					
1240	5000		14A			123		0.03	0.19	0.19	0.22		0.08	0.23
11/23/70	5001		13 C		7.2				0.14					
1450	5000		19A			137		0.03	0.71	0.0	0.74		0.08	0.12
3/04/71	5001		9 C		6.9		82		0.20					
1115	5000		18A			188	0	0.16	0.17	0.07	0.33		0.07	0.09
4/06/71	5001		15 C		7.8		76		0.10					
1715	5000		55A			156	0	0.02	0.22	0.12	0.24		0.02	0.17
5/04/71	5001		15 C		7.1		63		0.06					
1510	5000		19A			136	0	0.04	0.20	0.18	0.24		0.06	0.10
6/02/71	5001		16 C		7.4		64		0.12					
1435	5000		12A			141	0	0.06	0.22	0.25	0.28		0.08	0.10
6/30/71	5001		20 C		7.3		54		0.10					
1310	5000		13A			125	0	0.05		0.0			0.05	0.10
8/03/71	5001		23 C		7.7		62		0.01					
1730	5001		15A			139	0	0.03		0.02			0.05	0.10
8/31/71	5001		21 C		7.7		67		0.08					
1625	5001		10A			140	0	0.05					0.05	0.11
9/28/71	5001		18 C		7.5		40		0.09					
1420	5001		11A			127	12	0.05					0.05	0.11
89 D 810.1 127.9	HOG SLOUGH NEAR THORNTON													
10/14/70	5001		19 C		7.4		82		0.10					
1245	5000		18A			288	0	0.0	0.38		0.38		0.08	0.09
4/29/71	5001		15 C		7.7		86		0.10					
1150	5000		21A			378	0	0.03	0.28		0.31		0.05	0.17
7/16/71	5001		26 C		7.7		82		0.01					
1120	5001		19A			376	0						0.09	0.13
8/10/71	5001		26 C		7.6				0.05					
1055	5001		21A			281		0.04					0.14	0.26
9/14/71	5001		24 C		7.0				0.02					
1205	5001		12A			218		0.06					0.12	0.21
89 D 812.3 126.8	BEAVER SLOUGH NEAR THORNTON													
10/14/70	5001		18 C		8.1		49		0.0					
1320	5000		16A			99	0	0.0	0.73		0.73		0.10	0.14
4/29/71	5001		16 C		7.6		68		0.10					
1250	5000		17A			209	0	0.04	0.30		0.34		0.05	0.21
7/16/71	5001		25 C		7.2		59		0.0					
1200	5001		19A			376	0	0.0					0.14	0.20

TABLE D-4 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. Q	TEMP TURB	FIELD CO2 ALK.	FIELD LABORATORY PH	EC	LAB HCO3 CO3	NO2 NH3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO3 ORG N	DIS ORG N	NH3 + ORG N	FIL. A.H.PO4	F PO4 U PO4	F TOT P U TOT P
		89 D 812.3	126.8	BEAVER SLOUGH NEAR THORNTON						CONTINUED				
8/10/71	5001		26 C		8.0				0.0					
1130	5001		14A			144		0.0					0.06	0.16
9/14/71	5001		25 C		7.2				0.05					
1255	5001		60A			254		0.13					0.23	0.33
		89 D 815.3	126.3	MOKELUMNE RIVER NEAR THORNTON										
10/14/70	5001		15 C		7.0		23		0.					
1400	5000		4A			52	0	0.0	0.11		0.11		0.01	0.02
4/29/71	5001		16 C		7.2		33		0.0					
1325	5000		6A			63	0	0.0	0.20		0.2		0.0	0.08
7/16/71	5001		22 C		6.8		25		0.0					
1250	5001		7A			54	0	0.0					0.02	0.05
8/10/71	5001		25 C		7.8				0.0					
1215	5001		11A			126		0.01					0.03	0.11
9/14/71	5001		18 C		6.8				0.03					
1325	5001		5A			57		0.01					0.00	0.02
		89 D 816.6	129.8	SNODGRASS SLOUGH AT TWIN CITIES RD BR N WALNUT GROVE										
10/14/70	5001		18 C		6.8		70		0.10					
1435	5000		21A			143	0	0.0	0.38		0.38		0.06	0.08
4/29/71	5001		16 C		7.4		59		0.0					
1420	5000		16A			145	0	0.0	0.25		0.25		0.02	0.13
7/16/71	5001		25 C		7.0		62		0.12					
1345	5001		19A			131	0	0.04					0.06	0.12
8/10/71	5001		25 C		7.5				0.10					
1300	5001		22A			143		0.04					0.07	0.14
9/14/71	5001		25 C		7.3				0.05					
1400	5001		15A			159		0.03					0.04	0.10
		89 D 819.1	130.1	SNODGRASS SLOUGH AT SOUTHERN PACIFIC RR BRIDGE										
10/14/70	5001		18 C		7.0		84		0.10					
1505	5000		27A			176	0	0.0	0.0		0.0		0.05	0.11
4/29/71	5001		17 C		8.3		112		0.0					
1505	5000		15A			338	0	0.0	0.48		0.48		0.03	0.17
7/16/71	5001		25 C		7.4		70		0.32					
1425	5001		20A			189	0	0.05					0.07	0.10
8/10/71	5001		26 C		7.5				0.22					
1335	5001		19A			179		0.04					0.08	0.15
9/14/71	5001		25 C		7.1				0.03					
1440	5001		7A			198		0.03					0.09	0.17
		89 D 827.3	130.0	SACRAMENTO RIVER AT FREEPORT										
10/07/70	5050		62.1F		7.3	123			0.05				0.08	
1155	5050		10E			120					0.3			0.12
10/20/70	5050		60 F		7.3	118			0.13				0.06	
1245	5050		8E			124					0.5			0.08
11/05/70	5050		57.1F		7.3	123			0.12				0.10	
1130	5050		10E			118					0.3			0.14
11/17/70	5050		54.0F		7.2	150			0.35				0.07	
0810	5050		30E			137					0.3			0.16
12/09/70	5050		51.1F		7.3	123			0.29				0.02	
1230	5050		80E			113					0.3			0.12
12/21/70	5050		46 F		7.5	135			0.21				0.03	
0900	5050		55E			133					0.2			0.08
1/06/71	5050		44.0F		7.3	150			0.20				0.05	
1305	5050		35E			138					0.2			0.29
2/18/71	5050		51.8F		7.3	143			0.18				0.08	
1205	5050		25E			134					0.2			0.09
		G7 L 856.3	000.5	LAKE TAHOE AT TAHOE KEYS PIER (S-1)										
8/18/71	5050		20.3C		7.5	97		0.0004	0.0000				0.0011	
0920	5050					92		0.022	0.040		0.062			0.002
		G7 L 856.4	000.6	LAKE TAHOE NEAR TAHOE KEYS (L-1)										
11/18/70	5050							0.0001	0.0027				0.0014	
1235	5050							0.001	0.028		0.029			0.010
5/12/71	5050							0.0003	0.0026				0.0029	
1125	5050					88		0.005	0.010		0.015			0.009
8/18/71	5050		68.0F		7.7	91		0.0003	0.0000				0.0008	
1025	5050					92		0.007	0.110		0.117			0.005
		G7 L 856.5	003.3	LAKE TAHOE NEAR TAYLOR CREEK (L-6)										
11/18/70	5050							0.0000	0.0001				0.0003	
1245	5050							0.000	0.016		0.016			0.001
5/12/71	5050							0.0001	0.0019				0.0036	
1140	5050					78		0.006	0.040		0.046			0.010

TABLE D-4 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. Q	TEMP TURB	FIELD CO2 ALK.	FIELD LABORATORY PH	FIELD LABORATORY EC	LAB HCO3 CO3	NO2 NH3	NO3 ORG N	DIS ORG N	NH3 + ORG N	FIL. A.H.PO4	F PO4 U PO4	F TOT P U TOT P
								NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER						
G7 L 856.5 003.4 LAKE TAHOE NEAR CAMP RICHARDSON (S-6)														
8/18/71	5050		69.0F		7.3	77		0.0000	0.0048				0.0007	
1055	5050					90		0.021	0.090		0.111			0.005
G7 L 857.0 958.0 2 LAKE TAHOE AT SURF AND SANDS PIER (CONNOLLYS) S-10														
8/18/71	5050		20.7C		7.5	97		0.0000	0.0055				0.0010	
0830	5050					92		0.011	0.080		0.091			0.011
G7 L 900.0 000.0 LAKE TAHOE - SOUTH CENTER (C-1)														
11/18/70	5050							0.0000	0.0004				0.0001	
1150	5050							0.004	0.016		0.02			0.001
5/12/71	5050							0.0002	0.0032				0.0023	
1035	5050					91		0.005	0.010		0.015			0.005
8/18/71	5050		68.0F		7.8	94		0.0004	0.0000				0.001	
0930	5050					91		0.008	0.090		0.098			0.003
G7 L 900.4 956.9 LAKE TAHOE AT ZEPHYR COVE PIER (S-8)														
8/18/71	5050		19.8C		7.5	99		0.0000	0.0018				0.0006	
0740	5050					92		0.010	0.070		0.08			0.007
G7 L 900.5 956.9 LAKE TAHOE AT ZEPHYR COVE (L-8)														
11/18/70	5050							0.0000	0.0028				0.0001	
1140	5050							0.000	0.038		0.038			0.001
5/12/71	5050							0.0002	0.006				0.0019	
1025	5050					93		0.037	0.030		0.067			0.006
8/18/71	5050		68.0F		7.7	90		0.0000	0.0002				0.0007	
0910	5050					92		0.021	0.080		0.101			0.003
G7 L 900.9 006.8 LAKE TAHOE AT RUBICON BAY (L-2)														
11/18/70	5050							0.0000	0.0013				0.0002	
1305	5050							0.002	0.040		0.042			0.002
5/12/71	5050							0.0000	0.0022				0.0025	
1215	5050					92		0.006	0.050		0.056			0.007
8/18/71	5050		70.0F		7.7	90		0.0003	0.0001				0.0016	
1125	5050					92		0.012	0.100		0.112			0.003
G7 L 900.9 006.8 2 LAKE TAHOE AT RUBICON BAY PIER (A.L. GILLI PIER) S-2														
8/18/71	5050		20.0C		7.5	91		0.0000	0.0087				0.0008	
1020	5050					92		0.0010	0.020		0.021			0.002
G7 L 902.3 007.2 LAKE TAHOE AT MEEKS BAY RESORT PIER (S-12)														
8/25/71	5050		67.0F		7.8	91		0.0000	0.0077				0.0021	
0955	5050					92		0.001	0.080		0.081			0.003
G7 L 904.5 008.4 LAKE TAHOE AT CHAMBERS LODGE (L-9)														
11/18/70	5050							0.0000	0.0020				0.0004	
1320	5050							0.000	0.004		0.004			0.001
5/12/71	5050							0.0000	0.0056				0.0011	
1235	5050					91		0.014	0.030		0.044			0.014
G7 L 904.5 008.4 2 LAKE TAHOE AT CHAMBERS LANDING PIER (S-9)														
8/18/71	5050		20.3C		7.5	95		0.0000	0.0046				0.0009	
1145	5050					93		0.0020	0.200		0.202			0.004
G7 L 905.3 956.4 LAKE TAHOE AT GLENBROOK BAY PIER (S-3)														
8/25/71	5050		66.0F		7.7	91		0.0000	0.0001				0.0017	
0805	5050					92		0.001	0.020		0.021			0.002
G7 L 905.4 956.4 LAKE TAHOE AT GLENBROOK (L-3)														
11/18/70	5050							0.0000	0.0004				0.0001	
1045	5050							0.016	0.003		0.019			0.001
5/12/71	5050							0.0002	0.0036				0.0033	
1000	5050					93		0.006	0.020		0.026			0.024
G7 L 907.8 009.2 LAKE TAHOE AT PIER NEAR MOUTH OF WARD CREEK (S-11)														
8/25/71	5050		19.5C		7.5	102		0.0001	0.0021				0.0024	
1120	5050					91		0.003	0.060		0.063			0.008
G7 L 908.7 000.3 LAKE TAHOE - NORTH CENTER (C-2)														
11/18/70	5050							0.0001	0.0008				0.0002	
1025	5050							0.006	0.028		0.034			0.001
5/12/71	5050							0.0002	0.0021				0.0021	
0940	5050					92		0.006	0.040		0.046			0.003
8/18/71	5050		67.5F		7.7	89		0.0000	0.0008				0.0017	
0825	5050					91		0.014	0.060		0.074			0.008
G7 L 910.8 007.1 LAKE TAHOE NEAR LAKE FOREST (L-5)														
11/18/70	5050							0.0004	0.0013				0.0002	
0915	5050							0.000	0.034		0.034			0.001
5/12/71	5050							0.0002	0.0026				0.0067	
0810	5050					86		0.008	0.030		0.038			0.009

TABLE D-4 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. Q	TEMP TURB	FIELD CO2 ALK.	FIELD LABORATORY PH	EC	LAB HCO3 CO3	NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO2 NH3	NO3 ORG N	OIS ORG N	NH3 + ORG N	FIL. A.H.PO4	F PO4 U PO4	F TOT P U TOT P
	G7 L 910.8 007.1 2			LAKE TAHOE AT US COAST GUARD PIER (S-5)										
8/25/71	5050		20.3C		7.6	102		0.0002	0.0013				0.0023	
1255	5050					92		0.002	0.160		0.162			0.005
	G7 L 914.2 002.2			LAKE TAHOE AT TAHOE VISTA (L-7)										
11/18/70	5050							0.0008	0.0008				0.0003	
0945	5050							0.001	0.006		0.007			0.001
5/12/71	5050							0.0002	0.0036				0.0018	
0850	5050					92		0.022	0.030		0.052			0.008
8/18/71	5050		68.0F		7.7	91		0.0002	0.0024				0.0013	
0725	5050					92		0.026	0.030		0.056			0.002
	G7 L 914.2 002.3			LAKE TAHOE AT KINGS BEACH PIER (HERITAGE COVE) S-7										
8/18/71	5050		21.0C		7.5	96		0.0001	0.0025				0.0012	
1240	5050					92		0.0080	0.030		0.038			0.006
	G7 L 914.2 956.6			LAKE TAHOE AT KINGS CASTLE PIER (S-4)										
8/18/71	5050		21.9C		7.5	95		0.0000	0.0057				0.0012	
1320	5050					92		0.0030	0.030		0.033			0.003
	G7 L 914.3 956.8			LAKE TAHOE AT INCLINE GUARD STATION (L-4)										
11/18/70	5050							0.0000	0.0003				0.0002	
1000	5050							0.004	0.041		0.045			0.001
5/12/71	5050							0.0002	0.0050				0.0049	
0910	5050					91		0.007	0.020		0.027			0.010
8/18/71	5050		69.0F		7.7	89		0.0000	0.0005				0.0008	
0755	5050					92		0.005	0.040		0.045			0.003
	G7 3020.01			BURTON CREEK IN STAR HARBOR (T-8)										
8/25/71	5050		64.0F		7.8			0.0002	0.012				0.045	
1305	5050					104		0.040	0.040		0.08			0.046
	G7 3050.01			WARD CREEK NEAR MOUTH (T-5)										
8/25/71	5050		59.0F		7.5	64		0.0000	0.0086				0.024	
1130	5050	14 E				65		0.030	0.060		0.09			0.024
	G7 3160.01			MADDEN CREEK NEAR MOUTH (T-10)										
8/25/71	5050		54.0F		7.3	43		0.0000	0.020				0.011	
1045	5050					43		0.023	0.100		0.123			0.012
	G7 3230.01			THIRD CREEK NEAR MOUTH (T-6)										
8/25/71	5050		11.9C		7.3	75		0.0006	0.014				0.039	
0720	5050	8 E				68		0.032	0.090		0.122			0.042
	G7 3253.01			INCLINE CREEK AT INCLINE VILLAGE (T-2)										
8/25/71	5050		11.0C		7.3	69		0.0005	0.021				0.044	
0745	5050	6 E				61		0.021	0.050		0.071			0.050
	G7 3300.01			GENERAL CREEK NEAR MEEKS BAY (T-3)										
11/18/70	5050		2.8C		7.1	59		0.0000	0.0027				0.010	
1230	5050							0.003	0.013		0.016			0.014
5/12/71	5050		37.0F		6.9	19		0.0000	0.0120				0.0017	
1125	5050					17		0.030	0.010		0.04			0.012
8/25/71	5050		12.8C		7.3	65		0.0000	0.0034				0.014	
1040	5050	6 E				56		0.001	0.060		0.061			0.025
	G7 3571.01			TAYLOR CREEK NEAR CAMP RICHARDSON (T-4)										
11/18/70	5050		6.1C		6.9	28		0.0000	0.026				0.0061	
0845	5050							0.074	0.010		0.084			0.011
5/12/71	5050		44.0F		6.9	26		0.0000	0.0053				0.0008	
0845	5050					24		0.014	0.020		0.034			0.009
8/25/71	5050		19.7C		7.2	28		0.0000	0.020				0.0029	
1000	5050	12 E				25		0.026	0.110		0.136			0.004
	G7 3680.00			EDGEWOOD CREEK AT STATE LINE (NEAR MOUTH T-7)										
8/25/71	5050		9.9C		7.4	110		0.0003	0.041				0.037	
0835	5050	9 E				102		0.057	0.050		0.107			0.044
	G7 3705.01			UPPER TRUCKEE RIVER NEAR MOUTH (T-1)										
11/18/70	5050		2.2C		7.1	79		0.0001	0.057				0.0028	
0945	5050							0.006	0.057		0.063			0.010
5/12/71	5050		37.0F		6.9	28		0.0000	0.025				0.0084	
0800	5050					27		0.012	0.030		0.042			0.028
8/25/71	5050		16.3C		7.3	78		0.0003	0.038				0.010	
0935	5050					70		0.016	0.080		0.096			0.013
	G7 3810.01			TROUT CREEK NEAR MOUTH (T-9)										
8/25/71	5050		12.8C		7.3	53		0.0003	0.029				0.019	
0915	5050	12 E				44		0.037	0.100		0.137			0.025
	G8 3040.00			INDIAN CREEK RESERVOIR OUTLET NEAR WOODFORDS										
9/23/71	5050	1.51	60 F		7.8	500	139							
1030	5050	3.1			7.1	495	0							0.07

TABLE D-5

PESTICIDES IN SURFACE WATER AND SEDIMENT

Pesticides

BHC - Benzene hexachloride

DDE - Dichloro diphenyl ethane

DDT - Dichloro diphenyl trichlorethane

PCB - Polychlorinated biphenol

When two pesticides are reported together with a slash mark separating them (ppDDE/Dieldrin, Simazine/Atrazine, etc.), the reported concentration is an undifferentiated total of the two. Either of the two pesticides could make up the entire total.

Lab and Sampler Agency Codes

5001 - U. S. Bureau of Reclamation

5007 - U. S. Environmental Protection Agency Laboratory at Alameda

5050 - Department of Water Resources

TABLE D-5 (Cont.)

PESTICIDES IN SURFACE WATER AND SEDIMENT

Station Number	Station	Date Time	Pesticides in Water (nanograms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)	Samp	Lab
A0 2170.00	SACRAMENTO RIVER AT FREMONT WEIR, WEST END	10-06-70 1230	BHC	2		5050	5050
		11-04-70 1230	Complex chlorinated compounds as DDT	35		5050	5050
		12-02-70 0900	BHC	5		5050	5050
		01-05-71 1320	No chlorinated pesticides detected			5050	5050
		02-18-71 0930	Unknown as DDT	5		5050	5050
		03-17-71 1030	Unknown as DDT	5		5050	5050
		04-21-71 1115	Simazine/Atrazine	20		5050	5050
		05-19-71 1115	No chlorinated pesticides detected			5050	5050
		06-16-71 1230	Unknown as DDT	5		5050	5050
		07-21-71 1030	BHC	7		5050	5050
			PCB (as Aroclor 1254)	130			
		08-18-71 1330	Unknown as DDT	3		5050	5050
		09-15-71 0900	Unknown as DDT	15		5050	5050
			Complex chlorinated compounds as DDT	10			
B9 D 747.2 118.4	SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	10-22-70 1140	Aldrin	3		5050	5050
		11-09-70 1430	BHC	3		5050	5050
			Lindane	2			
		12-09-70 1315	No chlorinated pesticides detected			5050	5050
		01-05-71 1415	Simazine/Atrazine	5		5050	5050
		02-18-71 1415	Simazine/Atrazine	10		5050	5050
			Unknown as DDT	10			
		03-08-71 1245	Unknown as DDT	10		5050	5050
		04-14-71 1200	Unknown as DDT	30		5050	5050
		07-15-71 0830	BHC	8		5050	5050
			Dacthal (DCPA)	23			
			Heptachlor Epoxide	3			
			Unknown as DDT	9			
		09-29-71 0930	Unknown as DDT	30		5050	5050
B9 D 758.7 122.9	SAN JOAQUIN RIVER AT BUCKLEY COVE	10-12-70 1330	Aldrin	<3		5001	5007
			BHC	7			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		11-16-70 1245	Aldrin	<3		5001	5007
			BHC	15			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		03-22-71 1305	Aldrin	<3		5001	5007
			BHC	4			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
		04-28-71 1135	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			

TABLE D-5 (Cont.)

PESTICIDES IN SURFACE WATER AND SEDIMENT

Station Number	Station	Date Time	Pesticides in Water (nanograms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)	Samp	Lab
B9 D 758.7 122.9	SAN JOAQUIN RIVER AT BUCKLEY COVE (Continued)	05-18-71 1220	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		07-15-71 1215	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		08-09-71 1100	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
B9 D 801.1 142.6	BIG BREAK NEAR OAKLEY	10-07-70 1305	Aldrin	<3		5001	5007
			BHC	5			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		11-23-70 1210	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		05-05-71 1425	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		06-03-71 1450	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		07-15-71 1330	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		09-01-71 1620	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
B9 D 801.2 148.5	SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL	10-07-70 1230	Aldrin	<3		5001	5007
			BHC	7			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		11-20-70 1205	Aldrin	<3		5001	5007
			BHC	3			
			DDE	<3			
			DDT	<10			

TABLE D-5 (Cont.)

PESTICIDES IN SURFACE WATER AND SEDIMENT

Station Number	Station	Date Time	Pesticides in Water (nanograms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)	Samp	Lab
B9 D 801.2 148.5	SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL (Continued)	11-20-70 1205	Dieldrin	<3		5001	5007
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		05-05-71 1340	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		06-03-71 1410	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		07-15-71 1235	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		09-01-71 1540	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
B9 D 802.6 136.8	FRANKS TRACT NEAR RUSSOS LANDING	10-07-70 1425	Aldrin	<3		5001	5007
			BHC	3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		05-05-71 1600	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		07-15-71 1505	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		09-01-71 1735	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
B9 D 803.1 141.3	SAN JOAQUIN RIVER AT JERSEY POINT	10-07-70 1350	Aldrin	<3		5001	5007
			BHC	4			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		11-23-70 1245	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			

TABLE D-5 (Cont.)

PESTICIDES IN SURFACE WATER AND SEDIMENT

Station Number	Station	Date Time	Pesticides in Water (nanograms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)	Samp	Lab
B9 D 803.1 141.3	SAN JOAQUIN RIVER AT JERSEY POINT (Continued)	05-05-71 1510	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		06-03-71 1510	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		07-15-71 1355	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		09-01-71 1645	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
B9 D 804.4 134.2	OLD RIVER AT MOUTH	11-23-70 1340	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
B9 D 809.6 141.1	SACRAMENTO RIVER AT RIO VISTA BRIDGE	10-08-70 1410	Aldrin	<3		5001	5007
			BHC	3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		11-23-70 1450	Aldrin	<3		5001	5007
			BHC	<2			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		05-04-71 1510	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		06-02-71 1435	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	21			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		07-14-71 1005	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		08-31-71 1625	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			

TABLE D-5 (Cont.)

PESTICIDES IN SURFACE WATER AND SEDIMENT

Station Number	Station	Date Time	Pesticides in Water (nanograms per liter)		Pesticides in Sediment (micrograms per liter of dry weight)	Samp	Lab
B9 D 809.6 141.1	SACRAMENTO RIVER AT RIO VISTA BRIDGE (Continued)	08-31-71 1625	Dieldrin	<3		5001	5007
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
B9 D 815.3 126.3	MOKELUMNE RIVER NEAR THORNTON	10-14-70 1400	Aldrin	<3		5001	5007
			BHC	3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		11-17-70 1040	Aldrin	<3		5001	5007
			BHC	4			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		03-23-71 1235	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		04-29-71 1325	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		05-19-71 1245	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		07-16-71 1250	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
		08-10-71 1215	Aldrin	<3		5001	5007
			BHC	<3			
			DDE	<3			
			DDT	<10			
			Dieldrin	<3			
			Toxaphene	<100			
			Heptachlor	<3			
			Heptachlor Epoxide	<3			
B9 D 820.7 132.7	SACRAMENTO RIVER AT GREENE'S LANDING	06-16-71 1235	Unknown as DDT	10		5050	5050
		07-21-71 1150	BHC	9		5050	5050
			Unknown as DDT	8			
			Complex chlorinated compounds as DDT	88			
		08-18-71 1040	Complex chlorinated compounds as DDT	85		5050	5050
		09-16-71 1130	Unknown as DDT	8		5050	5050
			Complex chlorinated compounds as DDT	10			
B9 D 827.3 130.0	SACRAMENTO RIVER AT FREEPORT	02-18-71 1205	Unknown as DDT	30		5050	5050
		03-17-71 0805	Simazine/Atrazine	35		5050	5050
			Unknown as DDT	3			
		04-21-71 1335	Unknown as DDT	5		5050	5050
		05-19-71 1105	No chlorinated pesticides detected			5050	5050
		06-16-71 1150	Unknown as DDT	10		5050	5050

TABLE D-6

DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

AO 2170.00 SACRAMENTO RIVER AT FREMONT WEIR, WEST END
(October 1, 1970, through September 30, 1971)

(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	55	54	49	48	49	48	48	47	NR	NR	55	54	60	58	58	57	67	64	71	69	66	64
2	NR	NR	56	55	49	49	49	48	48	47	NR	NR	54	53	60	58	59	58	68	65	71	69	66	64
3	NR	NR	57	55	49	49	49	48	48	47	NR	NR	54	53	59	57	59	58	69	66	71	68	65	64
4	NR	NR	57	56	49	49	48	46	48	48	NR	NR	55	53	58	56	61	58	70	67	70	68	67	68
5	NR	NR	57	56	49	49	46	44	48	48	NR	NR	56	53	58	56	63	60	70	67	70	68	66	64
6	NR	NR	57	56	49	49	44	43	48	48	NR	NR	55	54	58	56	65	62	70	68	70	68	67	64
7	62	60	57	56	51	49	45	44	48	48	NR	NR	55	54	58	57	66	64	70	67	70	68	67	65
8	61	59	57	56	52	51	46	45	49	48	NR	NR	54	52	57	56	66	64	70	66	70	68	67	65
9	60	59	57	56	52	52	46	46	50	48	NR	NR	53	52	58	57	65	64	70	66	71	68	67	65
10	60	59	57	56	52	51	47	46	NR	NR	NR	NR	53	52	58	56	66	64	70	66	71	68	68	66
11	60	59	56	55	51	50	47	47	NR	NR	NR	NR	54	52	59	57	66	64	70	66	72	69	68	66
12	61	60	55	55	50	50	47	47	NR	NR	NR	NR	54	53	60	58	65	64	70	67	72	69	69	67
13	62	61	55	55	50	49	47	46	NR	NR	NR	NR	54	53	61	60	65	63	70	67	72	69	69	68
14	62	61	55	54	49	49	46	45	NR	NR	NR	NR	55	53	61	60	65	63	70	67	71	69	69	68
15	61	60	54	53	50	49	46	45	NR	NR	NR	NR	55	54	62	60	66	64	70	67	71	69	68	67
16	61	60	54	53	50	49	46	45	NR	NR	NR	NR	55	55	60	59	67	64	71	68	70	68	68	67
17	60	59	54	53	49	49	48	46	NR	NR	NR	NR	55	55	60	58	68	65	70	68	70	67	68	67
18	60	59	53	53	49	48	48	47	NR	NR	NR	NR	55	54	58	57	67	66	71	68	69	67	67	65
19	60	58	53	52	48	47	49	48	NR	NR	NR	NR	55	54	58	56	67	65	71	68	69	67	65	64
20	59	58	52	52	47	47	50	49	NR	NR	NR	NR	54	58	60	58	67	65	72	69	69	66	65	63
21	59	58	53	52	47	46	50	50	NR	NR	NR	NR	54	53	59	58	67	65	72	69	69	66	64	63
22	58	58	53	52	47	46	50	49	NR	NR	NR	NR	54	53	59	58	68	65	72	69	69	67	64	62
23	58	56	53	53	46	45	49	47	NR	NR	NR	NR	54	54	59	57	68	66	72	69	69	67	64	62
24	56	56	53	53	46	45	48	47	NR	NR	NR	NR	54	53	62	59	67	66	72	69	70	67	64	62
25	56	55	54	53	47	46	48	47	NR	NR	NR	NR	55	53	64	62	67	65	71	68	70	67	63	62
26	56	55	54	54	48	47	48	48	NR	NR	54	52	55	54	64	63	66	64	71	68	69	67	62	61
27	55	54	54	53	48	48	48	48	NR	NR	53	52	58	54	63	60	65	62	71	68	69	67	61	60
28	54	53	53	51	48	48	48	48	NR	NR	53	52	59	56	60	58	64	62	71	69	68	66	61	60
29	54	53	51	49	49	48	48	48	NR	NR	53	52	60	57	58	56	64	62	71	68	68	66	60	58
30	54	54	49	48	49	48	48	48			53	52	61	58	57	56	66	63	71	68	67	65	59	57
31	55	54			49	48	48	48			54	53			58	57			71	68	66	65		
Max	NR		57		52		50		NR		NR		61		64		68		72		72		69	
Min	NR		48		45		43		NR		NR		52		56		57		64		65		57	
Avg	NR		54		49		47		NR		NR		54		59		64		69		69		65	

NR - No record.

AO 5975.00 THERMALITO AFTERBAY RELEASE TO FEATHER RIVER NEAR OROVILLE
(October 1, 1970, through September 30, 1971)

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	60	59	57	55	50	49	47	46	46	45	47	46	49	48	56	55	59	57	69	65	76	70	64	63
2	60	58	58	56	50	49	46	45	46	45	47	45	50	49	57	55	60	57	69	66	75	70	64	62
3	60	57	57	57	49	48	45	43	46	45	47	46	52	50	55	54	59	56	70	67	72	71	64	62
4	61	57	57	57	48	48	43	42	46	45	47	47	53	51	55	54	60	57	72	67	72	71	62	60
5	59	58	57	57	49	48	43	42	47	46	49	47	54	52	55	54	61	58	72	69	72	70	63	60
6	60	58	57	57	50	49	43	42	48	46	49	47	53	51	55	53	61	58	75	71	73	70	63	61
7	59	57	57	56	50	50	44	43	48	47	49	47	51	50	55	54	62	60	71	69	75	69	63	62
8	57	55	57	56	51	50	44	44	48	47	51	48	51	49	55	55	61	60	71	69	75	71	62	61
9	56	56	57	57	51	51	45	44	48	48	50	49	51	50	59	55	61	59	71	69	74	71	63	60
10	59	55	58	57	51	51	45	45	49	48	50	49	52	50	60	56	62	59	74	69	76	72	63	61
11	58	57	58	57	51	50	46	45	51	49	49	48	53	51	58	56	64	59	75	70	74	73	64	60
12	59	58	58	57	50	50	46	45	51	50	50	48	52	51	58	57	61	60	74	71	74	71	63	61
13	60	58	57	55	50	49	45	44	52	50	49	48	51	51	61	57	63	60	75	71	73	69	64	62
14	59	58	56	56	49	49	44	44	51	50	48	46	54	51	62	58	67	61	73	70	71	67	64	63
15	59	58	56	55	49	49	44	44	52	51	47	46	54	53	61	58	67	63	73	69	68	66	64	63
16	58	58	56	55	49	48	45	44	52	50	48	47	54	53	61	59	67	63	74	70	70	67	63	60
17	58	57	56	55	49	48	46	45	52	51	49	47	55	52	59	58	66	64	71	69	68	65	60	59
18	59	57	55	54	48	47	47	46	52	51	48	46	55	53	60	58	65	63	77	70	68	64	60	59
19	59	58	55	53	47	46	47	47	52	51	49	47	53	52	60	57	66	64	77	73	67	65	60	59
20	58	58	54	53	46	45	47	47	50	49	49	48	53	52	60	59	71	66	76	72	67	65	61	59
21	58	56	54	53	46	45	47	46	49	49	50	49	52	51	59	58	72	67	78	73	68	65	60	59
22	56	55	54	54	45	45	46	46	49	49	50	48	52	51	62	57	70	68	76	72	70	66	59	58
23	55	55	54	53	46	45	46	45	50	48	49	47	53	51	62	59	72	68	76	72	70	67	60	58
24	55	54	54	54	47	46	47	46	50	49	49	47	53	52	62	61	69	68	74	72	70	67	60	59
25	55	54	54	54	47	46	47	46	50	48	48	47	53	52	64	62	69	67	75	71	71	67	60	59
26	55	54	54	54	47	46	47	46	48	47	49	47	55	53	64	62	69	67	73	70	70	67	60	59
27	54	53	54	52	46	46	47	47	48	47	49	47	57	54	63	60	67	65	72	69	70	67	61	59
28	54	53	52	51	47	46	47	47	47	46	50	47	56	55	60	57	70	67	70	69	69	67	60	59
29	55	54	51	51	47	46	47	47			50	49	56	55	57	56	68	66	71	68	67	65	60	57
30	54	54	51	50	47	47	47	46			50	49	57	54	59	56	67	65	71	69	65	63	58	57
31	55	54			47	47	46	46			50	48			59	58			73	69	64	62		
Max	61		58		51		47		52		51		57		64		72		78		76		64	
Min	53		50		45		42		45		45		48		53		56		65		62		57	
Avg	57		55		48		45		49		48		52		58		63		71		69		61	

TABLE D-6 (Cont.)

DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

AO 5990.00 FEATHER RIVER FISH HATCHERY
(October 1, 1970, through September 30, 1971)

(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	53	51	54	54	49	48	47	47	46	46	46	45	47	46	51	50	54	53	59	58	61	60	56	52
2	53	51	54	53	50	48	47	47	46	45	46	45	47	46	51	50	54	53	59	59	62	59	53	52
3	52	52	53	53	50	49	47	47	45	45	45	45	49	47	51	50	54	53	59	58	62	61	54	53
4	53	53	53	53	50	50	47	47	45	45	45	45	49	49	51	50	53	52	59	59	62	61	54	53
5	54	52	53	52	51	50	47	47	45	45	46	45	49	48	51	50	55	53	59	58	62	61	54	54
6	53	52	53	52	51	51	47	46	46	45	46	45	48	48	51	50	55	53	60	59	63	61	55	54
7	53	52	54	54	51	51	46	46	46	46	46	45	48	47	51	50	54	54	60	59	63	62	56	54
8	54	53	54	54	51	51	46	46	46	46	46	45	48	47	50	50	54	54	60	59	63	62	56	54
9	54	53	54	53	51	50	46	46	46	45	45	45	49	48	50	49	54	53	61	60	63	62	56	54
10	54	53	52	52	50	50	46	46	46	45	45	45	47	46	52	49	54	53	60	58	63	58	56	55
11	54	53	52	52	50	50	46	46	46	46	45	45	49	47	52	51	55	54	61	60	58	56	56	55
12	55	52	53	52	50	50	46	45	46	46	45	44	49	49	51	51	55	54	61	59	58	56	56	55
13	53	52	53	52	50	50	45	45	46	46	45	44	49	49	51	50	56	54	62	61	58	57	57	54
14	53	52	52	52	50	50	45	45	47	46	45	45	50	49	53	51	56	55	62	61	58	57	57	53
15	53	52	52	52	50	49	45	45	47	46	46	45	50	49	53	52	57	55	62	61	58	57	53	51
16	53	52	52	52	49	48	45	45	47	46	46	46	50	48	53	51	57	56	62	60	59	57	53	51
17	54	53	52	51	49	48	46	45	46	46	46	46	48	47	54	51	57	56	62	61	59	58	55	52
18	54	54	52	52	49	49	46	46	46	46	47	46	51	48	54	53	57	55	62	61	60	58	55	53
19	54	53	52	52	49	49	46	46	46	46	47	46	51	50	53	53	56	54	63	61	60	59	53	51
20	54	52	52	52	49	49	46	46	46	46	46	46	50	48	53	52	56	56	63	62	61	59	53	51
21	53	52	52	52	49	48	46	46	46	46	46	45	50	48	55	52	58	55	63	59	61	59	54	53
22	55	53	52	52	48	48	46	46	46	46	46	46	50	49	55	53	58	57	59	58	61	59	54	54
23	54	53	52	51	48	48	46	46	46	46	46	46	50	49	55	54	58	57	59	58	62	59	55	54
24	53	53	51	51	48	48	46	46	46	46	46	46	50	50	55	54	58	57	59	58	62	60	55	54
25	53	53	51	51	48	48	46	46	46	46	46	46	51	50	54	53	58	57	60	58	62	61	55	54
26	53	53	51	50	48	48	46	46	46	46	46	45	52	50	53	52	58	56	60	58	62	59	54	54
27	55	53	51	50	48	48	46	46	46	46	46	45	50	50	54	53	56	55	60	59	58	55	55	53
28	54	53	50	50	48	48	46	46	46	45	47	46	50	50	53	53	58	57	61	59	56	55	54	51
29	54	53	50	50	48	47	46	46			47	47	50	49	54	53	59	58	61	59	56	56	54	52
30	54	53	50	50	47	47	46	46			47	47	50	49	54	53	59	58	61	60	57	55	53	52
31	54	53			47	47	46	46			47	47			54	53			61	60	57	56		
Max	55		54		51		47		47		47		52		55		59		63		63		57	
Min	51		50		47		45		45		44		46		49		52		58		55		51	
Avg	53		52		49		46		46		46		49		52		55		60		60		54	

AO 6120.00 YUBA RIVER AT MARYSVILLE
(October 1, 1970, through September 30, 1971)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	66	61	53	48	49	47	NR	NR	NR	NR	48	43	NR	NR	56	51	58	53	63	56	71	62	66	59
2	66	59	53	49	49	48	NR	NR	NR	NR	49	42	NR	NR	55	52	59	52	64	56	72	63	65	58
3	65	59	52	48	49	49	NR	NR	46	42	48	45	NR	NR	57	51	60	52	64	56	71	62	64	57
4	64	59	51	50	49	49	NR	NR	47	43	49	45	NR	NR	55	52	60	53	64	57	72	63	64	57
5	63	57	52	49	50	49	NR	NR	47	43	50	43	55	52	57.	52	61	53	65	56	72	63	63	56
6	61	56	50	48	50	48	NR	NR	47	43	50	43	55	52	58	52	61	53	65	56	72	63	62	55
7	59	54	52	48	49	49	NR	NR	47	43	49	44	54	52	58	53	61	54	65	56	72	63	62	54
8	59	54	50	49	50	49	46	43	47	43	51	44	56	49	55	53	62	54	65	56	73	64	61	54
9	58	53	51	49	50	48	46	43	47	43	51	45	54	50	61	53	60	54	66	57	73	64	60	53
10	59	53	52	49	49	47	NR	NR	47	44	50	47	55	49	62	53	62	54	65	56	74	65	60	53
11	58	52	50	49	49	47	NR	NR	48	44	51	49	56	49	62	53	62	54	65	56	74	66	62	54
12	58	53	51	47	48	46	45	44	48	44	51	48	57	49	61	53	59	54	66	56	74	65	61	53
13	57	52	51	46	47	46	45	43	49	44	52	47	55	50	61	54	61	54	66	57	74	64	59	52
14	57	52	50	47	48	46	45	44	48	44	47	46	60	52	62	54	62	54	66	57	73	65	59	52
15	56	51	50	47	47	46	45	44	49	45	52	46	58	52	62	53	63	55	66	57	73	65	58	51
16	56	51	51	48	47	46	45	44	48	44	53	46	57	51	60	52	63	55	66	57	73	65	58	51
17	56	50	51	47	47	46	47	45	48	45	52	46	56	50	60	52	63	56	64	57	74	65	58	51
18	55	51	50	46	47	46	47	46	48	44	54	45	57	49	62	53	63	56	66	58	74	65	59	51
19	55	50	50	46	48	45	47	45	48	45	54	46	58	50	62	54	64	56	66	58	73	65	58	51
20	55	51	50	46	46	45	48	45	49	43	55	48	54	50	62	54	63	56	67	58	73	64	58	51
21	52	50	49	47	46	45	48	44	48	44	56	49	57	48	60	52	64	57	67	58	72	64	59	51
22	55	51	48	47	47	44	47	44	48	44	53	50	55	48	63	54	64	56	68	58	71	63	58	51
23	52	51	50	47	47	45	47	44	50	44	53	50	55	50	64	55	63	56	67	58	71	63	58	51
24	54	50	49	47	47	44	47	44	50	44	55	49	55	48	65	55	63	56	NR	NR	70	63	58	51
25	55	50	49	48	NR	NR	47	44	48	43	NR	NR	56	48	64	55	62	56	67	58	70	62	55	51
26	54	49	48	47	NR	NR	47	44	48	42	NR	NR	57		62	55	59	57	68	58	69	62	56	51
27	54	49	48	47	NR	NR	47	44	46	43	NR	NR	58	50	58	55	62	56	69	59	69	61	57	50
28	54	49	48	47	NR	NR	NR	NR	48	43	54	49	58	50	56	54	62	55	70	60	66	60	57	50
29	54	48	50	48	NR	NR	NR	NR			55	49	58	50	57	54	63	56	70	61	68	60	NR	NR
30	51	49	49	48	NR	NR	NR	NR			54	50	59	50	58	54	63	56	70	61	67	60	NR	NR
31	53	49			NR	NR	NR	NR			54	48			57	53			71	62	67	59		
Max	66		53		NR		NR		NR		NR		NR		65		64		NR		74		NR	
Min	48		46		NR		NR		NR		NR		NR		51		52		NR		59		NR	
Avg	55		49		NR		NR		NR		NR		NR		56		58		NR		67		NR	

NR - No record.

TABLE D-6 (Cont.)

DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

B9 D 747.2 118.4 SAN JOAQUIN RIVER AT MOSSDALE BRIDGE
(October 1, 1970, through September 30, 1971)

(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	59	58	53	52	51	50	48	47	49	47	NR	NR										
2	71	69	60	59	53	53	50	48	48	47	NR	NR	61	59										
3	71	69	60	60	53	52	48	46	47	46	52	50	62	60										
4	70	69	60	60	52	51	46	44	49	46	52	51	64	61										
5	70	68	60	60	54	52	45	44	49	46	53	51	65	64										
6	69	67	60	59	55	54	45	44	49	48	53	52	65	63										
7	67	65	60	59	55	54	45	44	49	48	54	53	NR	NR										
8	65	64	61	60	55	54	45	44	50	48	NR	NR	NR	NR										
9	65	64	62	61	55	54	46	45	50	49	55	53	NR	NR										
10	66	65	62	61	54	53	47	46	49	49	55	54	NR	NR										
11	67	65	62	61	53	52	48	47	50	49	56	54	NR	NR										
12	67	66	62	61	52	51	48	47	50	50	NR	NR	NR	NR										
13	67	66	61	59	51	50	49	48	50	49	55	54	NR	NR										
14	66	64	59	58	50	50	49	48	52	50	55	54	NR	NR										
15	64	63	58	58	50	49	49	48	53	52	55	53												
16	64	63	58	58	50	48	50	49	53	52	NR	NR												
17	64	63	58	58	51	50	51	48	53	52	NR	NR												
18	64	62	58	57	50	50	52	51	53	52	57	55												
19	62	62	57	57	50	49	52	51	53	52	58	56												
20	63	62	57	56	49	48	52	52	52	50	59	57												
21	63	62	56	56	49	48	52	51	51	49	60	58												
22	62	62	57	56	49	49	51	49	51	50	61	59												
23	63	62	57	56	50	49	50	49	52	50	60	59												
24	62	61	57	56	50	48	49	48	53	51	61	59												
25	61	60	57	57	49	48	49	48	53	51	61	59												
26	61	59	57	56	49	48	49	48	51	50	59	58												
27	60	58	56	54	48	47	49	48	50	49	59	58												
28	59	58	54	54	50	48	49	49	49	48	61	58												
29	59	58	54	54	50	49	49	48			NR	NR												
30	59	58	54	53	51	50	48	48			NR	NR												
31	58	58			51	50	48	47			NR	NR												
Max	71		62		55		52		53		NR		NR											
Min	58		53		47		44		46		NR		NR											
Avg	64		58		51		48		50		NR		NR											

NR - No record. Recorder removed April 14, 1971, because of bridge construction.

B9 D 749.5 133.1 OLD RIVER AT CLIFTON COURT FERRY
(October 1, 1970, through September 30, 1971)

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	NR	NR	NR	NR	NR	NR	NR	NR	59	56	62	61	63	61	71	67	75	73	72	72
2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	60	57	62	61	64	62	71	68	75	75	72	71
3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	60	57	62	60	64	62	71	68	75	74	72	71
4	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	49	48	61	58	62	60	64	63	72	69	76	74	73	71
5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	50	48	62	59	62	60	66	64	72	71	76	75	73	72
6	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	51	48	61	60	62	60	68	66	72	71	76	75	73	71
7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	52	49	61	58	62	61	69	67	72	71	77	75	72	70
8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	53	49	61	58	63	61	69	67	71	70	77	76	72	71
9	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	52	49	61	59	64	61	67	66	71	70	78	76	72	71
10	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	52	49	61	59	65	62	68	66	71	69	79	76	73	72
11	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	53	51	61	59	66	63	70	66	71	70	79	77	73	72
12	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	54	51	62	59	66	64	69	68	72	70	78	77	74	73
13	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	54	50	61	60	68	65	69	68	73	71	77	76	75	74
14	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	54	51	62	60	68	65	69	68	75	73	77	76	75	74
15	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	53	51	63	61	68	65	71	69	74	73	77	75	76	74
16	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	54	51	62	61	67	66	72	70	74	73	76	74	76	75
17	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	55	51	62	61	67	64	72	71	74	73	76	75	75	74
18	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	55	51	62	60	66	64	71	70	75	73	76	75	75	73
19	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	56	52	62	60	65	64	72	70	76	72	76	75	74	73
20	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	56	53	61	59	65	64	72	70	77	73	76	74	74	72
21	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	57	54	59	59	64	63	73	71	77	73	75	74	72	71
22	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	58	55	59	58	64	63	72	70	77	74	75	74	72	71
23	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	59	56	58	58	65	64	71	69	77	74	75	74	72	71
24	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	59	56	59	58	67	65	71	69	75	74	75	75	71	69
25	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	59	56	59	58	67	65	71	69	75	73	75	75	70	68
26	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	59	56	59	58	67	65	71	68	76	74	76	75	68	67
27	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	59	56	60	58	66	65	70	68	75	73	76	75	67	66
28	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	58	56	60	59	65	64	69	67	74	73	75	74	67	66
29	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	59	57	61	59	64	64	69	66	73	72	74	72	66	65
30	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	60	57	62	60	64	63	70	67	74	72	73	71	66	64
31	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	59	57			63	62			74	72	72	72		
Max	NR		NR		NR		NR		NR		NR		63		68		73		77		79		76	
Min	NR		NR		NR		NR		NR		NR		56		60		61		67		71		64	
Avg	NR		NR		NR		NR		NR		NR		61		64		68		73		75		71	

NR - No record.

DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

B9 D 757.8 121.9 STOCKTON SHIP CHANNEL AT BURNS CUTOFF
(October 1, 1970, through September 30, 1971)

(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	72	71	61	58	52	52	50	49	48	48	52	50	62	61	64	63	67	65	77	74	81	79	NR	NR
2	72	71	60	58	52	52	50	48	49	47	52	50	63	60	64	63	69	65	77	74	81	79	NR	NR
3	71	70	61	59	52	51	48	46	48	47	52	50	63	61	64	63	70	68	77	74	82	79	77	75
4	71	70	60	60	51	50	46	44	49	47	52	51	64	61	64	63	71	68	NR	NR	81	79	77	75
5	70	6	60	59	52	50	46	44	49	47	53	50	64	62	65	63	70	67	NR	NR	81	79	79	76
6	70	68	60	59	54	52	45	44	49	48	53	51	63	62	65	63	71	68	NR	NR	81	79	78	76
7	69	68	60	59	55	53	45	43	50	48	53	52	63	62	64	63	71	68	NR	NR	81	79	78	75
8	68	67	59	59	55	55	45	44	50	48	54	52	65	63	64	63	71	68	NR	NR	82	79	78	76
9	68	66	60	59	56	55	45	44	50	49	55	53	65	63	NR	NR	70	68	78	75	82	79	78	76
10	68	67	60	59	55	54	46	45	50	49	55	53	65	63	NR	NR	72	68	77	75	83	80	78	76
11	69	67	60	59	54	53	46	45	50	49	56	54	65	63	NR	NR	72	69	77	75	82	80	78	75
12	68	67	60	59	53	52	47	46	51	50	NR	NR	66	63	NR	NR	72	69	78	75	82	80	NR	NR
13	67	66	60	58	52	51	48	46	52	50	NR	NR	65	63	NR	NR	72	69	78	76	82	80	NR	NR
14	68	66	60	58	51	51	48	47	52	50	NR	NR	66	64	NR	NR	73	70	79	76	82	80	NR	NR
15	68	66	59	58	51	50	48	48	52	51	NR	NR	67	64	NR	NR	74	71	79	77	82	80	NR	NR
16	68	66	59	58	50	49	49	48	52	51	NR	NR	66	64	NR	NR	75	72	79	77	82	79	79	77
17	67	65	59	58	50	49	50	49	53	52	NR	NR	66	64	NR	NR	75	73	78	77	82	79	78	76
18	66	65	59	57	50	48	51	50	53	52	NR	NR	66	64	70	67	76	73	79	77	81	79	77	75
19	66	63	58	57	50	48	51	50	53	52	NR	NR	66	64	70	67	77	74	80	78	81	79	77	75
20	64	63	58	57	49	48	52	50	53	51	NR	NR	65	63	70	67	78	75	81	78	81	78	77	75
21	63	63	57	56	49	48	52	51	52	50	60	57	64	62	69	67	78	75	81	79	80	78	77	75
22	63	62	57	56	49	48	52	50	52	51	61	58	64	62	69	66	78	76	81	79	80	78	77	74
23	63	62	57	56	49	48	51	50	52	50	60	59	64	62	71	67	78	76	81	79	80	78	76	74
24	63	62	57	56	49	48	51	49	52	50	61	59	63	61	70	68	78	76	81	78	80	78	75	74
25	63	62	57	56	48	48	49	50	52	50	61	60	63	61	71	68	78	75	81	78	80	78	74	73
26	62	61	57	56	48	48	49	48	52	50	61	60	63	61	70	68	76	75	81	78	NR	NR	74	72
27	62	60	56	55	48	48	49	49	51	50	62	60	64	61	69	67	78	74	81	78	NR	NR	73	71
28	61	59	55	54	49	48	49	48	52	50	62	60	64	62	68	67	77	74	81	78	NR	NR	72	70
29	61	59	54	54	50	49	49	48			63	61	64	61	68	67	77	74	81	78	NR	NR	71	69
30	60	59	54	52	50	49	49	48			63	61	65	62	68	66	76	74	80	78	NR	NR	70	68
31	61	59			50	49	48	48			62	60			68	66			80	78	NR	NR		
Max	72		61		56		52		53		NR		67		NR		78		NR		NR		NR	
Min	59		52		48		43		47		NR		60		NR		65		NR		NR		NR	
Avg	65		58		51		48		50		NR		63		NR		73		NR		NR		NR	

NR - No record.

B9 D 759.8 125.1 SAN JOAQUIN RIVER AT RINDGE PUMP
(October 1, 1970, through September 30, 1971)

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	70	61	59	54	53	50	50	48	48	49	48	61	60	64	62	67	64	79	76	79	78	75	74
2	72	71	61	60	53	52	50	48	48	48	51	48	61	60	64	62	68	65	77	74	80	78	75	74
3	71	70	61	60	52	51	48	46	48	47	51	49	62	60	64	62	68	66	76	74	79	78	75	73
4	71	70	60	60	51	51	47	45	49	47	51	49	63	61	64	63	68	66	77	75	80	77	75	73
5	71	69	60	59	51	51	46	45	48	48	51	49	64	62	64	62	69	67	78	75	80	78	76	74
6	71	69	60	59	51	51	45	44	48	48	52	49	63	62	65	63	71	68	77	75	81	77	75	73
7	70	67	60	58	53	51	45	44	48	48	51	50	62	61	64	63	72	68	78	75	80	77	74	73
8	69	67	60	60	53	53	44	44	48	48	52	50	62	61	63	63	73	69	78	75	80	78	77	73
9	69	67	60	60	53	53	44	44	48	48	52	51	64	62	65	63	69	68	78	75	80	78	75	74
0	68	67	60	60	54	53	45	44	49	48	52	51	63	62	66	64	72	69	78	75	83	78	75	73
1	69	67	60	60	54	53	45	45	50	49	54	52	64	61	68	65	73	69	77	74	82	79	75	74
2	68	67	60	59	53	52	46	45	50	50	53	53	64	62	68	65	75	71	78	75	82	79	76	75
3	67	66	59	58	52	52	46	46	50	49	54	52	64	62	70	67	75	71	79	75	81	79	77	75
4	67	66	59	59	52	51	47	46	51	50	53	52	66	63	70	67	75	71	80	76	81	79	77	76
5	66	66	59	58	51	51	47	47	53	51	54	53	67	63	70	67	77	71	79	76	80	79	77	76
6	66	65	59	58	51	51	48	47	52	51	56	53	65	63	68	66	77	73	78	77	79	78	77	76
7	66	65	59	58	51	50	50	48	53	51	56	54	64	63	66	65	77	74	77	76	80	78	76	75
8	66	65	59	58	50	49	50	50	53	51	56	54	62	61	68	65	76	74	78	76	79	77	75	74
9	66	64	58	57	49	48	50	50	53	51	58	56	64	62	68	66	77	74	79	76	79	77	75	74
0	66	65	58	57	49	48	51	50	52	50	59	56	63	62	69	66	76	74	79	77	78	77	75	74
1	65	64	58	57	49	49	51	50	52	51	59	57	62	61	67	65	79	75	79	77	79	77	75	74
2	65	63	58	57	49	48	51	50	52	51	60	58	62	60	67	65	79	76	81	77	79	77	74	73
3	64	63	58	57	49	48	51	50	52	51	59	59	62	61	69	66	79	76	80	77	79	77	74	73
4	63	62	58	57	49	48	51	50	52	51	60	59	61	60	71	68	79	76	80	77	79	77	74	73
5	63	62	58	57	48	48	50	50	52	50	60	60	62	59	71	68	79	76	79	77	78	77	73	71
6	62	61	57	56	48	48	50	49	51	49	61	59	62	60	70	68	77	77	79	77	78	77	72	70
7	62	60	56	55	48	48	49	49	50	49	61	59	62	60	68	67	78	76	79	77	78	76	71	68
8	61	60	55	55	48	48	49	49	50	48	62	60	63	61	67	66	77	75	80	77	77	75	70	68
9	61	60	55	55	49	48	49	49			63	60	64	62	67	66	78	75	80	78	77	74	70	68
0	60	60	54	54	50	49	49	48			63	61	64	62	68	66	79	76	79	78	76	74	68	67
1	60	59			50	49	48	48			61	60			67	65			80	77	76	74		
ax	72		61		54		51		53		63		67		71		79		80		83		77	
n	59		54		48		44		47		48		59		62		64		74		74		67	
vg	66		58		50		48		50		55		62		66		73		77		78		74	

DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

B9 D 801.1 148.1 SAN JOAQUIN RIVER AT ANTIOCH
(October 1, 1970, through September 30, 1971)

(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	62	60	55	54	48	47	NR	NR	52	50	NR	NR	NR	NR	65	63	74	71	76	74	NR	NR
2	71	69	62	60	55	54	48	45	NR	NR	52	50	NR	NR	NR	NR	66	63	74	72	76	74	NR	NR
3	71	69	62	60	54	52	46	43	NR	NR	52	50	NR	NR	NR	NR	64	63	74	72	76	74	NR	NR
4	69	68	62	60	53	52	45	43	NR	NR	53	50	NR	NR	NR	NR	65	62	74	72	77	73	74	70
5	69	66	62	59	53	52	45	43	NR	NR	53	50	NR	NR	NR	NR	66	63	NR	NR	75	73	74	71
6	68	67	62	59	53	52	45	43	NR	NR	53	50	NR	NR	NR	NR	66	64	NR	NR	75	73	73	72
7	67	65	61	59	53	51	45	42	NR	NR	54	51	NR	NR	62	60	66	64	NR	NR	75	73	73	70
8	67	65	61	60	NR	NR	45	43	NR	NR	54	52	NR	NR	62	61	67	65	72	70	76	73	NR	NR
9	67	64	62	60	52	52	45	42	NR	NR	54	52	NR	NR	64	61	66	64	72	70	78	75	NR	NR
10	68	65	62	60	52	52	45	43	NR	NR	54	52	NR	NR	64	61	67	64	71	70	78	75	73	68
11	68	66	62	60	NR	NR	46	43	NR	NR	54	52	NR	NR	65	62	68	65	72	70	78	75	73	71
12	67	65	61	59	51	50	47	44	NR	NR	NR	NR	NR	NR	64	62	68	66	73	71	78	75	73	69
13	67	65	60	59	51	50	47	46	NR	NR	NR	NR	NR	NR	65	62	68	65	75	71	77	75	75	72
14	65	64	60	58	50	49	46	46	NR	NR	NR	NR	NR	NR	66	63	69	66	76	73	77	75	74	72
15	64	63	60	58	49	46	47	46	NR	NR	NR	NR	NR	NR	67	63	70	67	75	73	76	74	74	72
16	64	63	60	58	46	44	47	46	NR	NR	NR	NR	NR	NR	66	63	72	68	74	73	76	74	NR	NR
17	63	62	60	58	NR	NR	48	46	NR	NR	NR	NR	NR	NR	66	63	72	68	73	72	76	74	76	71
18	63	62	60	58	NR	NR	48	46	NR	NR	NR	NR	NR	NR	68	64	73	70	74	71	76	74	74	72
19	63	61	60	58	NR	NR	46	44	NR	NR	NR	NR	NR	NR	68	64	72	70	74	72	76	74	NR	NR
20	63	62	59	58	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	67	65	72	70	74	73	75	74	NR	NR
21	NR	NR	59	57	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	65	64	72	69	74	72	76	73	NR	NR
22	NR	NR	58	57	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	66	64	70	69	72	72	76	74	NR	NR
23	NR	NR	59	57	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	66	64	70	69	75	73	77	74	NR	NR
24	NR	NR	59	57	49	46	NR	NR	NR	NR	NR	NR	NR	NR	66	64	71	69	76	73	77	76	NR	NR
25	NR	NR	58	57	48	46	NR	NR	NR	NR	NR	NR	NR	NR	66	64	71	69	75	73	77	74	70	68
26	NR	NR	58	56	48	46	NR	NR	NR	NR	NR	NR	NR	NR	66	64	71	69	74	73	77	75	70	67
27	NR	NR	57	56	48	46	NR	NR	NR	NR	NR	NR	NR	NR	66	64	71	69	75	72	77	74	69	67
28	NR	NR	56	55	48	46	NR	NR	NR	NR	NR	NR	NR	NR	66	64	72	69	76	73	77	73	69	66
29	NR	NR	55	54	48	46	NR	NR	52	50	NR	NR	NR	NR	66	64	74	71	75	73	74	72	68	66
30	61	60	55	54	48	46	NR	NR			NR	NR	NR	NR	66	64	74	72	75	74	NR	NR	68	65
31	61	60			49	46	NR	NR			NR	NR			65	62			76	74	NR	NR		
Max	NR		62		NR		NR		NR		NR		NR		NR		74		NR		NR		NR	
Min	NR		54		NR		NR		NR		NR		NR		NR		62		NR		NR		NR	
Avg	NR		59		NR		NR		NR		NR		NR		NR		68		NR		NR		NR	

NR - No record.

B9 D 814.5 130.8 SACRAMENTO RIVER AT WALNUT GROVE
(October 1, 1970, through September 30, 1971)

Day	October		November		December		January		February		March		April		May		June		July		August		September	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	66	65	56	55	52	51	48	48	48	48	49	48	54	54	58	58	58	57	66	64	72	70	68	68
2	66	65	56	56	51	51	48	47	48	48	48	47	54	54	59	58	59	57	66	65	72	70	68	67
3	66	65	56	56	51	51	47	46	48	47	48	48	55	54	58	58	59	58	67	66	72	70	67	66
4	65	65	57	56	51	50	46	45	47	47	48	48	56	54	58	58	60	59	68	67	72	71	66	65
5	65	64	57	57	50	50	45	44	48	47	49	48	57	55	58	57	61	59	68	67	72	71	66	65
6	64	63	57	57	51	50	44	43	48	48	50	49	57	56	57	56	62	61	69	68	71	70	66	65
7	63	62	58	57	51	51	44	43	48	48	50	49	57	56	57	57	63	62	68	68	71	70	65	65
8	63	61	58	57	51	51	44	44	48	48	50	49	56	55	57	57	64	63	68	68	71	70	65	65
9	62	61	57	57	52	51	45	44	48	48	51	51	55	55	57	57	64	63	68	68	71	70	66	65
10	62	61	57	57	52	52	45	45	48	48	51	51	55	54	58	57	64	62	68	68	72	71	66	66
11	62	61	57	57	52	52	46	45	49	48	52	51	55	55	59	58	64	63	68	68	72	71	66	66
12	62	61	57	57	52	52	46	46	49	49	52	52	56	55	59	59	64	63	68	68	72	72	66	66
13	61	61	57	56	52	51	46	46	50	49	52	52	56	56	60	59	64	63	69	68	72	71	67	66
14	61	61	56	56	51	50	46	46	50	50	52	51	56	56	61	60	63	63	70	69	71	70	68	67
15	62	61	56	55	50	50	46	46	51	50	51	51	57	56	61	60	64	63	70	69	72	71	68	67
16	62	62	55	55	50	50	46	46	51	51	51	50	57	56	61	61	65	64	71	69	72	70	68	67
17	62	61	55	55	50	50	47	46	51	51	51	50	57	57	61	59	66	65	69	69	71	70	68	67
18	61	61	55	55	50	49	48	47	51	51	51	50	57	55	59	58	67	66	70	69	70	70	67	66
19	61	60	55	54	49	49	48	48	51	51	51	51	55	55	59	58	67	66	71	69	70	70	66	65
20	60	60	54	54	49	48	48	48	51	50	51	51	55	55	59	59	67	65	71	71	70	69	65	64
21	60	60	54	54	48	48	49	48	50	49	52	51	55	54	59	58	66	65	71	70	69	69	64	64
22	60	59	54	54	48	48	49	49	50	49	53	52	55	54	59	59	66	65	72	71	69	69	64	64
23	60	59	54	54	48	48	49	48	50	49	53	53	55	54	60	59	66	65	72	71	69	69	64	64
24	59	58	54	54	48	47	48	48	50	49	54	53	55	54	61	60	66	65	71	70	71	70	64	63
25	58	57	54	54	47	47	48	48	50	50	54	54	55	54	62	60	66	65	70	70	71	70	63	63
26	57	57	55	55	47	47	48	48	50	49	54	54	55	54	63	61	66	65	70	69	71	70	63	62
27	57	56	55	54	47	47	48	48	50	49	54	53	56	55	63	62	65	64	70	69	70	70	62	61
28	56	56	54	54	47	47	48	48	49	48	53	53	57	56	62	61	64	63	70	69	70	69	62	61
29	56	56	54	53	47	47	48	48			53	52	58	57	60	59	64	63	70	69	69	68	61	61
30	56	56	53	52	48	47	48	48			54	53	58	58	59	57	64	63	70	69	69	68	61	60
31	56	55			48	48	48	48			54	54			58	56			71	69	69	68		
Max	66		58		52		49		51		54		58		63		67		72		72		68	
Min	55		52		47		43		47		47		54		56		57		64		68		60	
Avg	61		55		50		47		49		51		55		59		63		69		71		65	

TABLE D-6 (Cont.)

DAILY MAXIMUM AND MINIMUM AND MONTHLY AVERAGE WATER TEMPERATURES

B9 D 820.7 132.7 SACRAMENTO RIVER AT GREENE'S LANDING
(October 1, 1970, through September 30, 1971)

(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																			69	66	74	72	69	67
2																			70	67	74	73	68	67
3																			70	67	74	73	68	66
4																			71	68	74	72	67	65
5																			71	68	74	71	68	65
6																			72	69	72	70	67	65
7																			72	69	72	70	67	65
8																			71	69	72	70	68	65
9																			71	69	73	70	68	66
10																			71	69	74	70	68	66
11																			71	69	74	71	68	66
12																			71	69	74	71	68	66
13																			72	69	73	71	69	67
14																			73	70	73	70	70	67
15																			73	70	72	70	69	67
16																	69	68	72	70	72	69	69	67
17																	70	67	72	70	72	69	68	67
18																	70	68	72	70	72	69	67	66
19																	70	67	73	70	71	69	67	65
20																	69	67	73	71	71	68	66	64
21																	69	66	74	72	70	68	66	64
22																	69	67	75	72	70	68	66	64
23																	70	67	74	72	71	68	66	64
24																	70	67	74	72	72	69	65	64
25																	69	66	73	71	72	70	65	63
26																	68	67	73	71	72	69	64	63
27																	67	66	73	71	71	69	63	62
28																	67	65	73	71	70	68	63	62
29																	67	65	72	71	70	68	63	61
30																	68	65	73	71	69	67	63	61
31																			73	71	69	67		
Max																	NR		75		74		69	
Min																	NR		66		67		61	
Avg																	NR		71		71		66	

Record began June 16, 1971.
NR - No record.

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
ax																								
in																								
vg																								

TABLE D-7 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

AO 2170.00 SACRAMENTO RIVER AT FREMONT WEIR, WEST END

(October 1, 1970, through September 30, 1971)

(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	140	138	140	NR	NR	NR	133	122	127	NR	NR	NR	NR	NR	NR
2	NR	NR	NR	148	140	142	NR	NR	NR	151	132	142	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	150	142	150	122	120	121	165	151	156	NR	NR	NR	NR	NR	NR
4	NR	NR	NR	155	142	149	126	122	124	160	148	154	146	139	143	NR	NR	NR
5	NR	NR	NR	201	142	160	130	123	128	160	152	157	146	139	143	NR	NR	NR
6	NR	NR	NR	199	172	176	126	103	108	163	158	160	144	138	142	NR	NR	NR
7	152	129	144	184	170	173	125	103	113	167	157	162	148	138	143	NR	NR	NR
8	147	129	139	175	154	160	132	124	129	168	158	164	171	143	148	NR	NR	NR
9	139	134	137	155	146	145	139	132	135	165	155	161	154	146	150	NR	NR	NR
10	159	137	140	157	146	153	139	126	131	167	158	162	NR	NR	NR	NR	NR	NR
11	152	137	140	144	131	133	141	126	132	167	158	162	NR	NR	NR	NR	NR	NR
12	142	137	139	143	124	135	160	140	152	169	160	164	NR	NR	NR	NR	NR	NR
13	181	134	147	152	141	145	184	160	172	168	160	163	NR	NR	NR	NR	NR	NR
14	182	145	158	166	152	162	199	184	194	161	146	154	NR	NR	NR	NR	NR	NR
15	162	136	144	171	166	169	200	155	177	162	149	154	NR	NR	NR	NR	NR	NR
16	159	138	143	NR	NR	NR	167	158	162	170	156	160	NR	NR	NR	NR	NR	NR
17	160	138	142	NR	NR	NR	170	160	166	168	154	162	NR	NR	NR	NR	NR	NR
18	152	138	143	NR	NR	NR	167	152	158	148	121	128	NR	NR	NR	NR	NR	NR
19	148	142	145	NR	NR	NR	161	143	152	138	126	131	NR	NR	NR	NR	NR	NR
20	175	137	152	NR	NR	NR	158	142	150	155	140	148	NR	NR	NR	NR	NR	NR
21	176	148	160	NR	NR	NR	158	156	157	NR	NR	NR	NR	NR	NR	NR	NR	NR
22	166	148	161	NR	NR	NR	159	154	156	NR	NR	NR	NR	NR	NR	NR	NR	NR
23	177	163	169	NR	NR	NR	154	129	137	NR	NR	NR	NR	NR	NR	NR	NR	NR
24	200	159	170	NR	NR	NR	148	128	139	NR	NR	NR	NR	NR	NR	NR	NR	NR
25	192	151	159	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
26	158	151	155	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	159	131	145
27	157	149	153	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	135	114	122
28	154	150	152	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	114	101	107
29	173	149	158	NR	NR	NR	NR	NR	NR	NR	NR	NR				113	100	105
30	169	143	150	NR	NR	NR	NR	NR	NR	NR	NR	NR				131	113	120
31	150	138	146				142	124	135	NR	NR	NR				136	130	132

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	148	132	138	178	154	165	151	146	150	164	143	148	149	138	143	179	176	177
2	150	145	148	180	113	173	150	143	148	153	140	146	149	142	146	179	172	176
3	152	146	150	176	167	173	146	140	141	149	138	145	153	140	144	176	172	174
4	160	150	154	192	172	178	140	137	140	150	145	147	140	130	137	179	174	177
5	153	145	146	181	170	175	140	138	140	154	140	146	146	133	140	183	170	179
6	148	142	146	175	161	167	143	140	140	149	139	145	146	133	142	188	181	184
7	142	133	137	165	156	160	143	136	148	142	131	137	154	146	142	195	184	189
8	138	133	135	157	152	154	143	137	148	141	129	135	155	138	148	198	186	191
9	136	128	132	155	145	151	148	140	144	140	128	135	151	145	148	205	188	195
10	138	127	132	147	142	144	147	138	140	144	129	133	154	140	145	208	189	196
11	139	134	136	150	136	142	140	138	133	141	132	136	168	138	147	207	191	197
12	140	134	137	142	139	140	133	123	130	153	134	141	158	138	145	198	188	194
13	137	130	135	142	137	140	133	128	131	153	138	144	160	134	143	197	189	193
14	132	129	128	140	132	136	136	128	131	144	135	140	150	132	141	194	190	192
15	133	128	131	136	130	133	140	128	132	144	132	138	157	140	146	194	182	187
16	131	128	130	132	128	130	140	128	132	149	131	141	156	145	151	187	178	183
17	136	129	133	130	126	128	132	130	130	144	133	137	165	143	152	189	177	181
18	143	129	133	133	127	130	133	128	130	143	131	136	171	148	158	185	174	179
19	139	132	135	133	127	130	130	122	127	146	132	141	168	149	157	176	167	172
20	138	120	135	137	133	134	135	127	131	149	134	140	172	150	159	173	160	168
21	144	131	137	143	133	140	133	130	131	149	138	143	169	151	159	170	157	165
22	141	136	138	152	142	146	134	125	138	149	133	142	165	153	161	164	152	157
23	147	134	140	150	145	147	141	129	132	153	132	142	172	161	167	164	151	158
24	154	143	148	157	150	154	139	128	132	143	132	136	180	160	168	161	146	153
25	148	135	143	161	155	158	148	138	131	151	133	144	180	160	165	163	146	151
26	158	142	150	162	154	158	148	134	139	153	143	148	190	160	172	162	148	154
27	157	141	150	159	153	157	153	140	145	156	134	144	180	170	174	150	144	146
28	168	140	150	160	154	158	156	146	150	150	132	140	174	170	174	156	139	147
29	178	140	155	161	155	158	148	141	143	145	133	140	178	169	175	153	142	148
30	181	145	163	157	146	150	148	141	144	153	134	142	177	167	174	152	145	148
31				153	146	147				154	137	145	182	175	178			

NR - No record.

TABLE D-7 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

AO 2420.00 SACRAMENTO RIVER AT COLUSA

(October 1, 1970, through September 30, 1971)

(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			128			127			108			142			142			NR
2			128			128			115			146			141			NR
3			128			128			116			147			139			NR
4			129			129			116			150			138			NR
5			130			128			98			150			136			NR
6			130			127			113			148			137			NR
7			130			126			124			146			142			NR
8			130			125			126			146			144			NR
9			131			123			115			146			147			NR
10			131			126			114			147			145			152
11			131			108			124			150			143			155
12			131			120			136			141			NR			157
13			129			136			143			137			NR			142
14			128			138			148			141			NR			115
15			118			138			152			144			NR			130
16			118			138			151			135			NR			150
17			121			136			144			100			NR			158
18			123			129			132			106			NR			152
19			123			128			138			126			NR			148
20			123			128			142			132			NR			151
21			123			130			132			136			NR			153
22			122			131			114			140			NR			156
23			122			131			126			142			NR			155
24			123			132			138			142			NR			150
25			123			133			142			143			NR			135
26			126			132			143			144			NR			118
27			127			127			144			144			NR			100
28			126			131			145			143			NR			105
29			124			94			143			145						119
30			125			91			120			144						130
31			127						128			143						141

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			146			138			127			125			142			160
2			150			137			125			126			144			160
3			150			136			125			127			147			159
4			147			134			127			127			153			157
5			143			132			128			126			168			157
6			138			130			128			126			193			157
7			134			128			128			125			211			157
8			133			128			128			126			225			157
9			135			128			128			128			237			157
10			138			128			127			128			243			157
11			136			127			127			128			242			156
12			133			126			128			128			237			155
13			131			125			126			128			237			157
14			131			124			125			NR			237			158
15			131			123			125			NR			232			159
16			131			122			124			128			222			160
17			134			123			125			128			211			160
18			135			123			125			131			200			160
19			134			123			125			132			195			159
20			134			123			126			134			197			158
21			134			124			128			130			187			155
22			134			125			126			134			182			154
23			136			126			126			135			178			154
24			137			128			126			135			172			155
25			138			127			127			135			169			155
26			139			127			128			135			167			154
27			139			127			127			137			167			153
28			139			125			124			138			165			151
29			139			125			123			138			164			151
30			140			125			125			138			162			152
31						127						140			160			

NR - No record.

TABLE D-7 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

AO 2947.10 COLUSA BASIN DRAIN NEAR KNIGHTS LANDING

(October 1, 1970, through September 30, 1971)

(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			640												
2			NR			640												
3			NR			640												
4			NR			640												
5			NR			640												
6			NR			640												
7			NR			660												
8			NR			655												
9			NR			635												
10			NR			635			N			N			N			N
11			NR			635			O			O			O			O
12			NR			490												
13			NR			550												
14			NR			550												
15			620			555			R			R			R			R
16			620			580			E			E			E			E
17			655			630												
18			660			650			C			C			C			C
19			660			505												
20			660			540			O			O			O			O
21			660			605			R			R			R			R
22			680			700												
23			720			760			D			D			D			D
24			720			775												
25			685			490												
26			660			740												
27			660			600												
28			640			435												
29			640			785												
30			640			570												
31			640															

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			615			NR			700			690			
2			NR			650			NR			660			690			
3			NR			600			NR			660			690			
4			NR			555			550			660			690			
5			NR			485			555			665			690			
6			NR			450			555			665			690			
7			NR			450			560			665			690			
8			NR			450			580			665			690			
9			NR			460			600			675			NR			
10			NR			460			610			680			NR			N
11			NR			460			620			680			NR			O
12			NR			460			630			695			NR			
13			NR			465			640			700			NR			
14			NR			470			660			700			NR			
15			NR			470			695			705			NR			R
16			NR			470			730			705			NR			E
17			NR			470			780			705			NR			
18			NR			490			800			705			NR			C
19			NR			495			830			705			NR			
20			NR			520			840			705			NR			O
21			NR			560			840			705			NR			R
22			NR			580			840			700			NR			
23			385			580			840			690			NR			D
24			535			580			840			690			NR			
25			555			580			840			690			NR			
26			615			630			850			690			NR			
27			660			645			860			690			NR			
28			720			650			840			690			NR			
29			740			635			785			690			NR			
30			720			580			740			690			NR			
31						NR						690			NR			

NR - No record.

TABLE D-7 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

AO 5911.01 SUTTER BYPASS NORTH OF ROBBINS

(October 1, 1970, through September 30, 1971)

(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																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		*
19																		153
20																		
21																		170
22																		182
23																		194
24																		199
25																		201
26																		195
27																		178
28																		118
29																		113
30																		117
31																		121

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			121			380			265			520			NR			400
2			121			380			255			530			NR			400
3			127			330			255			565			NR			400
4			137			285			245			580			NR			400
5			162			280			245			580			NR			410
6			170			270			245			580			NR			420
7			166			260			250			575			NR			405
8			162			250			250			575			NR			405
9			170			240			250			570			NR			420
10			NR			240			255			500			NR			415
11			NR			240			255			490			435			*
12			NR			240			255			495			440			
13			NR			250			255			NR			460			
14			NR			255			NR			NR			460			
15			NR			260			NR			NR			440			
16			NR			260			NR			NR			440			
17			NR			255			NR			NR			430			
18			NR			255			NR			NR			440			
19			NR			250			460			NR			460			
20			NR			250			465			NR			490			
21			NR			250			465			NR			495			
22			NR			255			480			NR			490			
23			NR			260			475			NR			450			
24			225			260			475			NR			440			
25			260			260			540			NR			425			
26			290			250			520			NR			430			
27			310			255			520			NR			415			
28			325			260			520			NR			415			
29			345			265			520			NR			410			
30			375			265			525			NR			405			
31						NR						NR			405			

*Recorder installed March 19, 1971, and removed September 11, 1971.

TABLE D-7 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

AO 6120.00 YUBA RIVER AT MARYSVILLE

(October 1, 1970, through September 30, 1971)

(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	81	81	75	73	74	NR	NR	NR	NR	NR	NR	NR	NR	NR	80	77	78
2	86	81	81	73	71	72	NR	NR	NR	NR	NR	NR	NR	NR	NR	80	79	79
3	82	81	81	75	73	73	NR	NR	NR	NR	NR	NR	NR	NR	NR	80	78	79
4	82	81	81	74	71	72	NR	NR	NR	NR	NR	NR	NR	NR	NR	80	80	80
5	81	80	80	72	71	72	69	68	68	NR	NR	NR	NR	NR	NR	80	80	80
6	80	78	78	75	72	73	68	68	68	NR	NR	NR	NR	NR	NR	80	80	80
7	78	77	77	76	72	74	68	67	68	NR	NR	NR	NR	NR	NR	80	79	80
8	77	75	76	72	71	71	70	68	68	84	82	82	NR	NR	NR	81	79	80
9	76	75	75	71	71	71	70	68	69	94	84	88	76	76	76	82	81	80
10	75	74	74	NR	NR	NR	70	69	70	104	94	102	76	76	76	88	82	86
11	74	74	74	NR	NR	NR	70	68	69	106	85	95	76	76	76	95	88	92
12	74	73	74	NR	NR	NR	68	65	67	85	79	82	76	75	75	92	82	86
13	74	73	74	NR	NR	NR	68	67	68	81	79	80	75	75	75	88	72	85
14	74	73	74	NR	NR	NR	70	68	69	79	79	79	75	75	75	78	75	76
15	74	73	73	NR	NR	NR	72	70	71	79	78	78	76	75	76	79	78	78
16	74	73	73	NR	NR	NR	79	72	76	80	78	79	76	75	76	80	78	79
17	74	73	73	NR	NR	NR	76	74	75	80	80	80	76	75	75	80	79	79
18	74	73	73	NR	NR	NR	76	74	75	80	79	79	76	75	75	80	80	80
19	74	73	73	NR	NR	NR	76	75	75	79	79	79	76	75	75	81	79	79
20	75	73	74	NR	NR	NR	75	75	75	79	75	76	75	74	74	85	81	83
21	75	73	74	NR	NR	NR	81	75	78	75	73	74	75	74	74	85	84	85
22	75	74	74	NR	NR	NR	79	77	77	74	72	73	76	74	75	86	83	85
23	75	73	74	NR	NR	NR	77	77	77	NR	NR	NR	77	75	76	86	82	84
24	75	74	75	NR	NR	NR	77	77	77	NR	NR	NR	77	76	76	86	76	80
25	76	74	75	NR	NR	NR	NR	NR	NR	NR	NR	NR	78	76	77	NR	NR	NR
26	76	73	75	NR	NR	NR	NR	NR	NR	NR	NR	NR	78	77	77	NR	NR	NR
27	76	74	75	NR	NR	NR	NR	NR	NR	NR	NR	NR	79	77	77	NR	NR	NR
28	76	73	75	NR	NR	NR	NR	NR	NR	NR	NR	NR	78	77	77	NR	NR	NR
29	76	73	75	NR	NR	NR	NR	NR	NR	NR	NR	NR				NR	NR	NR
30	78	73	75	NR	NR	NR	NR	NR	NR	NR	NR	NR				NR	NR	NR
31	75	73	75				NR	NR	NR	NR	NR	NR				NR	NR	NR

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1	NR	NR	NR	77	76	76	69	68	69	57	53	55	66	65	65	69	69	69
2	NR	NR	NR	77	77	77	68	68	68	57	55	56	66	65	65	70	69	70
3	NR	NR	NR	77	77	77	69	67	68	58	55	57	67	65	65	71	70	71
4	NR	NR	NR	77	76	76	69	68	69	58	56	57	66	65	65	72	71	71
5	NR	NR	NR	77	76	76	68	68	68	59	58	58	67	65	65	73	72	72
6	75	73	74	76	76	76	68	68	68	59	58	59	67	65	65	74	73	73
7	74	67	73	76	76	76	68	68	68	59	59	59	68	65	66	74	73	74
8	67	62	63	76	75	76	68	68	68	60	59	59	68	66	66	74	74	74
9	66	63	65	76	75	76	68	67	68	60	59	59	68	66	66	75	74	74
10	69	66	68	76	74	75	68	67	67	60	59	59	68	67	67	76	75	75
11	69	67	68	74	73	74	68	66	67	61	59	60	69	67	67	77	76	77
12	71	69	70	74	73	73	66	65	66	61	59	60	69	67	68	77	76	76
13	77	70	74	73	73	73	65	65	65	61	59	60	70	68	69	77	74	75
14	80	77	79	73	71	72	65	63	64	61	60	60	70	69	69	74	74	74
15	79	72	74	73	71	72	63	61	62	61	60	60	69	68	69	74	74	74
16	73	72	72	72	71	71	61	59	59	61	60	60	70	68	69	75	74	74
17	76	72	74	72	71	71	59	56	57	61	60	60	69	69	69	76	74	75
18	76	74	74	72	71	72	56	53	55	62	60	61	70	69	69	76	76	76
19	74	74	74	73	70	72	55	52	54	62	60	61	70	69	69	76	76	76
20	74	74	74	73	72	72	54	53	53	62	61	61	70	69	70	76	75	76
21	74	74	74	74	71	73	53	52	53	62	61	61	70	69	70	76	75	75
22	75	74	74	75	74	74	53	52	53	62	60	61	69	69	69	76	75	76
23	75	75	75	75	74	75	54	53	53	63	61	61	69	69	69	76	75	76
24	75	75	75	75	74	74	54	52	53	NR	NR	NR	69	68	69	76	75	76
25	75	74	75	75	73	74	54	53	54	NR	NR	NR	69	68	69	76	75	76
26	76	75	75	74	72	73	56	54	55	64	62	62	69	69	69	76	75	76
27	76	75	76	73	70	72	56	53	54	64	62	63	69	68	69	76	75	76
28	76	75	76	71	69	70	55	50	52	65	63	63	70	68	69	76	75	76
29	76	76	76	70	70	70	52	50	51	66	64	64	69	68	68	76	75	76
30	76	76	76	70	69	69	55	52	53	65	65	65	69	68	69	NR	NR	NR
31				69	69	69				66	64	65	69	68	69			

NR - No record.

TABLE D-7 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

A0 6550.00 BEAR RIVER NEAR WHEATLAND

(October 1, 1970, through September 30, 1971)

(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	177	170	174	141	135	138	119	102	96	NR	NR	NR	81	80	81	85	85	85
2	177	156	177	135	131	133	112	88	102	NR	NR	NR	81	79	80	87	85	87
3	163	149	156	132	131	131	114	77	106	NR	NR	NR	80	79	79	88	86	87
4	162	149	156	131	127	131	90	84	87	NR	NR	NR	80	80	80	88	86	88
5	152	149	151	132	131	131	86	84	85	NR	NR	NR	80	80	80	87	85	86
6	159	152	156	136	128	131	NR	NR	NR	NR	NR	NR	80	80	80	85	84	84
7	166	159	162	138	133	135	NR	NR	NR	NR	NR	NR	81	80	81	84	84	84
8	170	166	166	133	131	132	NR	NR	NR	81	80	81	81	81	81	87	83	85
9	171	170	171	133	131	133	NR	NR	NR	81	81	81	81	81	81	85	82	84
10	172	171	171	136	133	135	NR	NR	NR	82	81	82	81	81	81	83	83	83
11	175	172	174	137	133	135	NR	NR	NR	83	78	81	82	81	81	83	82	83
12	175	174	175	133	131	132	NR	NR	NR	78	77	77	82	81	81	82	79	81
13	175	172	174	131	129	130	NR	NR	NR	77	77	77	81	81	81	81	79	80
14	172	170	171	130	128	129	NR	NR	NR	77	77	77	81	81	81	79	78	79
15	170	162	166	128	125	127	NR	NR	NR	78	77	78	81	81	81	79	79	79
16	163	158	161	127	123	125	NR	NR	NR	79	78	78	81	80	80	79	79	79
17	163	158	161	125	122	124	NR	NR	NR	79	79	79	80	80	80	79	75	79
18	163	157	160	124	121	123	NR	NR	NR	79	78	79	80	79	79	77	74	76
19	164	154	159	122	118	120	NR	NR	NR	79	78	79	79	79	79	78	78	78
20	163	155	159	119	116	117	NR	NR	NR	80	79	79	80	79	79	78	78	78
21	171	159	164	116	112	114	NR	NR	NR	79	79	79	80	80	80	78	78	78
22	174	169	172	113	110	112	NR	NR	NR	80	79	80	80	80	80	78	77	78
23	179	173	175	111	107	109	NR	NR	NR	79	79	79	80	79	80	77	76	76
24	176	171	173	109	106	107	NR	NR	NR	79	79	79	80	80	80	76	76	76
25	176	172	174	108	106	107	NR	NR	NR	79	79	79	81	80	80	77	76	76
26	177	175	176	109	107	108	NR	NR	NR	81	79	80	81	81	81	78	74	75
27	180	111	160	110	108	109	NR	NR	NR	81	80	81	83	81	82	74	74	74
28	129	111	120	113	104	108	NR	NR	NR	81	80	81	85	83	83	76	74	75
29	152	129	140	112	87	107	NR	NR	NR	81	80	80				75	73	74
30	185	152	170	114	107	116	NR	NR	NR	81	80	81				74	71	72
31	195	140	170				NR	NR	NR	81	80	81				73	72	72

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	72	71	71	75	75	75	73	72	72	118	109	104	141	116	130	136	75	96
2	72	71	71	75	75	75	73	71	72	115	92	102	154	135	141	126	93	110
3	72	72	72	75	75	75	74	73	73	114	94	104	155	133	146	126	116	119
4	72	71	72	75	71	73	74	73	73	121	109	114	150	140	147	126	118	122
5	72	72	72	72	71	72	73	72	73	114	82	95	150	142	147	126	116	121
6	72	71	72	74	72	73	73	73	73	101	80	91	147	137	144	116	108	112
7	72	71	71	74	73	74	73	72	72	101	81	91	147	137	141	116	108	112
8	72	72	72	73	71	72	74	72	73	82	78	80	136	131	134	126	116	122
9	72	72	72	72	71	71	80	74	78	97	86	92	147	124	134	126	121	124
0	72	71	71	73	72	72	81	79	80	127	97	112	157	147	153	131	123	127
1	72	71	71	73	72	72	81	78	80	127	93	109	148	145	147	139	129	134
2	72	71	72	73	73	73	84	81	82	126	93	109	170	155	160	141	129	135
3	73	71	72	75	73	74	81	76	79	140	125	134	168	153	158	131	122	127
4	73	72	72	75	75	75	76	74	75	140	130	135	178	154	165	123	118	120
5	72	71	72	75	74	75	80	75	78	140	134	138	183	142	162	NR	NR	NR
6	73	72	72	75	74	75	79	76	78	143	134	137	163	134	151	NR	NR	NR
7	72	71	72	74	73	73	84	77	80	143	134	137	159	134	144	NR	NR	NR
8	71	71	71	75	72	73	83	78	80	144	136	141	154	144	149	NR	NR	NR
9	71	71	71	73	72	73	107	80	95	142	136	139	152	143	147	NR	NR	NR
0	72	71	71	73	73	73	105	82	94	149	136	139	155	143	150	NR	NR	NR
1	71	71	71	75	74	75	96	81	89	147	138	141	144	139	141	NR	NR	NR
2	72	71	72	75	73	74	97	96	96	148	140	144	129	123	126	NR	NR	NR
3	73	72	73	74	73	74	125	95	103	149	143	146	128	117	123	NR	NR	NR
4	73	72	73	74	73	74	97	85	87	148	131	139	125	117	121	NR	NR	NR
5	73	73	73	75	73	74	95	86	91	147	133	140	130	122	125	NR	NR	NR
6	73	73	73	75	73	74	115	82	98	144	129	136	130	125	128	NR	NR	NR
7	75	73	74	74	72	73	82	77	80	137	129	134	132	128	130	NR	NR	NR
8	105	75	87	73	73	73	88	76	80	151	136	144	133	129	131	NR	NR	NR
9	101	75	81	74	73	74	119	88	104	151	139	145	132	124	128	NR	NR	NR
0	75	75	75	74	73	74	134	119	127	156	149	153	138	128	133	NR	NR	NR
1				74	73	73				149	113	134	140	136	138	NR		

NR - No record.

TABLE D-7 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

A0 7140.10 AMERICAN RIVER AT SACRAMENTO WATER PLANT AT SACRAMENTO

(October 1, 1970, through September 30, 1971)

(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	61	60	61	66	63	65	66	63	64
2				NR	NR	NR	NR	NR	NR	62	60	61	65	64	65	66	62	64
3				NR	NR	NR	NR	NR	NR	62	58	60	66	65	65	66	63	65
4				NR	NR	NR	NR	NR	NR	60	58	59	66	64	65	67	63	65
5				NR	NR	NR	NR	NR	NR	62	60	61	66	64	65	66	63	65
6				NR	NR	NR	NR	NR	NR	62	61	62	66	64	65	66	62	65
7				NR	NR	NR	NR	NR	NR	68	62	64	66	64	65	67	62	65
8				NR	NR	NR	NR	NR	NR	63	62	63	66	64	65	67	62	65
9				NR	NR	NR	NR	NR	NR	64	62	63	66	64	65	66	63	65
10		N		NR	NR	NR	NR	NR	NR	65	63	64	66	64	65	68	64	66
11		O		NR	NR	NR	NR	NR	NR	68	65	66	66	64	65	69	64	67
12				NR	NR	NR	NR	NR	NR	69	68	68	65	63	64	68	63	66
13				NR	NR	NR	NR	NR	NR	70	69	70	65	63	64	69	64	67
14				58	54	56	NR	NR	NR	70	68	69	65	63	64	69	64	67
15		R		59	54	57	NR	NR	NR	69	66	67	65	63	64	70	65	68
16		E		NR	NR	NR	NR	NR	NR	66	63	64	66	62	64	70	65	68
17				NR	NR	NR	NR	NR	NR	64	62	63	66	63	65	70	65	68
18		C		NR	NR	NR	NR	NR	NR	62	60	61	66	63	65	70	65	68
19				NR	NR	NR	NR	NR	NR	64	62	63	66	64	66	70	65	68
20		O		NR	NR	NR	NR	NR	NR	65	64	64	66	64	65	70	64	67
21		R		NR	NR	NR	NR	NR	NR	66	65	65	66	63	65	70	64	67
22				NR	NR	NR	NR	NR	NR	66	63	64	66	62	64	70	64	68
23		D		NR	NR	NR	NR	NR	NR	63	62	62	65	63	64	70	66	69
24				NR	NR	NR	61	60	60	63	62	62	66	63	65	70	64	68
25				NR	NR	NR	61	60	60	62	62	62	66	63	65	69	64	67
26				NR	NR	NR	61	60	60	64	62	63	66	62	65	70	66	68
27				NR	NR	NR	62	60	61	64	62	63	65	62	64	70	65	68
28				NR	NR	NR	62	61	62	65	63	64	66	62	64	71	66	69
29				NR	NR	NR	63	61	62	66	64	65				72	68	70
30				NR	NR	NR	62	62	62	66	64	65				72	68	71
31				NR			62	60	61	66	64	65				70	62	66

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	63	60	62	61	59	60	58	54	56	52	50	51	55	51	53	47	45	46
2	62	61	62	61	59	60	57	55	56	52	49	51	58	52	56	47	45	46
3	62	61	62	61	60	61	57	55	56	52	49	51	58	52	56	48	44	46
4	62	60	61	62	59	60	58	55	57	51	48	50	57	52	55	50	46	48
5	62	61	62	61	59	60	57	54	56	51	49	50	57	48	53	50	46	48
6	62	61	62	61	60	60	57	54	56	51	48	50	50	46	48	49	46	48
7	62	60	61	61	59	60	58	54	56	51	48	50	48	46	47	50	46	48
8	61	60	61	61	58	60	58	54	56	51	49	50	48	45	47	50	46	48
9	62	60	61	60	58	60	56	54	55	52	50	51	47	44	46	49	47	48
10	62	60	61	61	59	60	57	54	56	52	49	51	46	44	45	50	46	48
11	62	60	61	62	59	60	58	54	56	51	49	50	47	45	46	49	45	47
12	61	60	60	60	59	60	58	56	57	51	49	51	47	45	46	NR	NR	NR
13	62	60	61	61	59	60	58	55	57	51	49	50	48	45	47	NR	NR	NR
14	62	60	61	61	59	60	58	55	57	50	49	50	48	45	47	NR	NR	NR
15	62	60	61	60	58	59	58	55	57	50	49	50	48	45	47	NR	NR	NR
16	62	60	61	60	57	59	57	55	56	50	48	49	48	45	46	NR	NR	NR
17	62	60	61	60	57	59	57	54	56	50	48	49	47	44	46	NR	NR	NR
18	62	60	61	60	58	59	57	54	56	50	48	49	47	44	46	NR	NR	NR
19	62	60	61	60	58	59	56	53	55	50	48	49	47	45	46	NR	NR	NR
20	63	60	62	60	58	59	55	53	54	50	48	49	47	45	46	NR	NR	NR
21	62	60	61	59	57	58	55	52	54	50	48	49	48	45	47	NR	NR	NR
22	62	60	61	60	57	59	54	52	53	50	48	49	48	46	47	NR	NR	NR
23	62	60	61	60	57	59	54	51	53	50	48	49	56	47	50	NR	NR	NR
24	61	60	61	60	57	59	53	51	52	50	48	49	59	47	52	NR	NR	NR
25	61	59	60	60	57	58	53	51	52	50	48	49	49	46	47	NR	NR	NR
26	62	60	61	59	56	58	53	50	52	50	48	49	48	45	46	NR	NR	NR
27	62	60	61	58	56	57	53	50	52	50	48	49	47	45	46	NR	NR	NR
28	62	60	61	58	56	57	53	51	52	51	49	50	47	44	45	NR	NR	NR
29	62	59	60	58	56	57	53	50	52	52	49	51	47	44	46	NR	NR	NR
30	61	59	60	58	55	57	53	50	52	53	50	51	47	44	46	NR	NR	NR
31				58	55	57				54	50	52	47	44	46			

NR - No record.

TABLE D-7 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

A8 1120.00 CACHE CREEK NEAR CAPAY

(October 1, 1970, through September 30, 1971)

(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	375	365	370				NR	NR	NR	295	270	275	370	370	370	680	680	680
2	380	375	380				NR	NR	NR	340	295	320	380	300	350	710	680	700
3	380	375	375				NR	NR	NR	325	310	315	490	300	395	710	700	705
4	385	380	385				NR	NR	NR	310	310	310	540	500	520	700	700	700
5	400	385	395				NR	NR	NR	310	310	310	560	540	550	700	700	700
6	400	400	400				NR	NR	NR	320	310	315	580	560	570	700	700	700
7	405	395	400				NR	NR	NR	475	320	390	590	580	585	705	700	705
8	445	405	425				NR	NR	NR	500	475	490	600	590	595	720	705	715
9	480	445	460				400	400	400	520	500	510	600	600	600	720	720	720
10	500	480	490		N		400	395	400	540	515	525	620	600	610	720	710	715
11	510	500	505		O		430	400	413	550	540	545	625	610	620	720	710	715
12	535	510	525				455	430	445	550	480	415	625	625	625	825	675	720
13	565	535	550				470	455	463	480	440	460	625	625	625	675	230	355
14	575	565	570				490	470	480	470	360	415	640	605	625	360	275	320
15	575	575	575		R		500	490	495	375	290	340	640	625	635	400	360	380
16	585	575	580		E		560	410	480	300	200	255	635	635	635	430	400	420
17	600	580	590				410	380	390	210	175	190	660	635	650	440	430	435
18	NR	NR	NR		C		435	390	415	230	210	220	650	650	650	450	440	445
19	NR	NR	NR				460	430	445	250	230	240	650	650	650	460	450	455
20	NR	NR	NR		O		500	400	445	265	250	260	660	650	655	475	460	470
21	NR	NR	NR		R		455	395	410	275	265	270	670	660	665	490	475	485
22	NR	NR	NR				440	400	420	280	275	280	670	670	670	510	490	500
23	NR	NR	NR		D		475	440	460	280	280	280	675	660	670	520	500	510
24	NR	NR	NR				475	300	385	280	280	280	675	670	675	520	505	515
25	NR	NR	NR				300	280	295	280	280	280	670	670	670	505	500	500
26	NR	NR	NR				305	300	305	285	280	285	675	670	675	550	215	445
27	NR	NR	NR				315	305	310	285	285	285	675	675	675	255	215	225
28	NR	NR	NR				325	315	320	285	285	285	680	660	670	265	250	260
29	NR	NR	NR				325	260	305	285	285	285				275	265	270
30	NR	NR	NR				270	260	265	370	285	360				275	275	275
31	NR	NR	NR				280	270	275	370	370	370				275	275	275

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	275	275	275	380	380	380	385	375	380	355	345	350	285	270	275	305	300	305
2	275	275	275	380	380	380	385	385	385	345	315	330	275	265	270	310	305	310
3	275	275	275	385	380	380	385	380	385	315	310	310	280	270	275	NR	NR	NR
4	400	280	325	420	385	405	380	365	375	310	310	310	275	270	275	NR	NR	NR
5	470	400	445	435	420	430	365	355	360	310	310	310	275	265	270	NR	NR	NR
6	475	470	475	440	435	440	355	355	355	310	310	310	275	265	270	NR	NR	NR
7	490	470	480	440	440	440	350	350	350	310	285	300	275	265	270	NR	NR	NR
8	505	490	500	440	430	435	350	340	345	300	290	295	275	270	275	NR	NR	NR
9	515	505	510	430	420	430	340	335	340	295	285	290	285	275	280	NR	NR	NR
10	510	505	510	435	420	430	335	330	330	295	285	290	290	280	285	300	300	300
11	505	505	505	450	435	445	330	325	325	295	290	295	290	285	290	320	300	310
12	505	505	505	465	450	455	330	325	330	305	295	300	295	290	295	320	305	310
13	510	505	505	455	445	450	330	325	330	315	300	310	295	295	295	315	305	310
14	535	505	515	450	420	435	330	330	330	315	300	310	300	295	295	325	310	320
15	540	530	535	420	380	400	325	320	325	305	295	300	300	295	300	NR	NR	NR
16	545	500	535	380	380	380	325	325	325	300	290	295	300	295	300	NR	NR	NR
17	500	480	490	380	380	380	325	320	320	285	280	280	300	290	295	NR	NR	NR
18	480	480	480	380	375	380	320	310	315	285	275	280	295	290	295	NR	NR	NR
19	480	475	480	380	380	380	305	305	305	275	270	275	295	290	290	NR	NR	NR
20	475	475	475	370	355	360	305	305	305	275	265	270	295	290	295	NR	NR	NR
21	475	475	475	355	350	355	305	305	305	265	265	265	300	290	295	NR	NR	NR
22	475	475	475	350	345	345	310	300	305	265	235	250	290	290	290	NR	NR	NR
23	475	470	475	350	340	345	300	300	300	270	265	270	295	280	285	NR	NR	NR
24	470	440	455	350	345	345	305	300	300	270	265	270	285	280	285	NR	NR	NR
25	440	405	425	340	335	340	310	305	310	270	270	270	290	285	290	NR	NR	NR
26	405	400	400	345	335	340	310	305	310	270	265	270	290	290	290	NR	NR	NR
27	400	400	400	345	335	340	335	305	320	270	265	270	290	280	285	NR	NR	NR
28	400	380	390	350	340	345	345	335	340	265	265	265	290	285	285	NR	NR	NR
29	380	370	375	360	345	355	345	345	345	275	265	270	300	290	300	350	350	350
30	380	375	380	375	350	370	355	345	350	285	265	275	300	300	300	355	350	350
31				385	370	380				285	275	280	300	300	300			

NR - No record.

TABLE D-7 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

BO 2105.00 MOKELUMNE RIVER AT WOODBRIDGE

(October 1, 1970, through September 30, 1971)

(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	48	48	48	33	33	33	42	42	42	44	44	44
2				NR	NR	NR	48	48	48	33	33	33	42	42	42	NR	NR	NR
3				NR	NR	NR	48	48	48	33	33	33	42	42	42	46	45	45
4				NR	NR	NR	48	47	48	NR	NR	NR	42	42	42	45	45	45
5				NR	NR	NR	47	44	46	NR	NR	NR	42	42	42	45	45	45
6				NR	NR	NR	44	44	44	NR	NR	NR	42	42	42	46	45	46
7				NR	NR	NR	44	44	44	NR	NR	NR	42	42	42	46	46	46
8				NR	NR	NR	44	43	44	NR	NR	NR	42	42	42	48	46	47
9				NR	NR	NR	43	43	43	NR	NR	NR	42	42	42	48	48	48
10		N		NR	NR	NR	43	42	42	NR	NR	NR	42	42	42	48	48	48
11		O		NR	NR	NR	42	40	41	NR	NR	NR	42	41	42	48	48	48
12				NR	NR	NR	40	28	36	NR	NR	NR	41	41	41	48	48	48
13				48	46	46	NR	NR	NR	NR	NR	NR	41	41	41	48	48	48
14				47	45	46	NR	NR	NR	NR	NR	NR	41	41	41	48	47	48
15		R		53	45	47	NR	NR	NR	NR	NR	NR	41	41	41	47	47	47
16		E		56	50	53	NR	NR	NR	NR	NR	NR	41	41	41	47	47	47
17				55	49	50	NR	NR	NR	NR	NR	NR	41	41	41	47	47	47
18		C		56	49	52	NR	NR	NR	NR	NR	NR	43	41	42	47	47	47
19				51	48	50	NR	NR	NR	45	45	45	43	43	43	47	47	47
20		O		48	45	47	NR	NR	NR	45	45	45	43	43	43	47	46	46
21		R		48	45	47	NR	NR	NR	45	45	45	44	43	43	46	46	46
22				48	48	48	NR	NR	NR	45	45	45	44	44	44	46	46	46
23		D		48	48	48	NR	NR	NR	45	44	45	44	44	44	46	46	46
24				48	48	48	NR	NR	NR	44	44	44	44	43	43	46	46	46
25				48	46	47	NR	NR	NR	44	44	44	43	43	43	46	46	46
26				46	46	46	NR	NR	NR	44	44	44	43	43	43	46	45	45
27				46	46	46	NR	NR	NR	44	43	44	43	43	43	45	45	45
28				48	46	48	NR	NR	NR	43	43	43	44	43	44	45	45	45
29				48	48	48	NR	NR	NR	43	43	43				45	45	45
30				48	48	48	41	30	35	43	43	43				45	45	45
31							41	30	34	43	42	43				45	45	45

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	45	45	45	45	45	45	47	46	47	45	45	45	47	47	47	47	47	47
2	45	45	45	45	45	45	46	46	46	45	45	45	47	47	47	47	47	47
3	45	45	45	45	45	45	46	46	46	45	45	45	47	47	47	47	47	47
4	45	45	45	45	45	45	46	46	46	45	45	45	47	47	47	47	47	47
5	46	45	46	45	45	45	46	46	46	46	45	45	47	47	47	47	47	47
6	46	46	46	45	45	45	46	46	46	46	46	46	47	47	47	47	47	47
7	46	46	46	45	45	45	46	46	46	46	46	46	47	47	47	47	47	47
8	46	46	46	46	45	46	47	46	47	47	46	47	47	47	47	47	47	47
9	46	46	46	46	46	46	51	47	50	47	47	47	47	47	47	47	47	47
10	47	46	47	46	46	46	50	50	50	47	46	47	47	47	47	47	47	47
11	47	47	47	46	46	46	50	50	50	46	46	46	47	47	47	47	47	47
12	47	47	47	47	46	47	50	48	49	46	46	46	47	47	47	47	47	47
13	47	47	47	47	47	47	48	48	48	47	46	47	47	46	47	47	46	47
14	47	47	47	47	47	47	49	48	48	48	47	48	46	46	46	46	46	46
15	47	47	47	47	47	47	49	49	49	48	48	48	46	46	46	46	46	46
16	47	47	47	48	47	48	49	49	49	48	48	48	46	46	46	46	46	46
17	47	47	47	48	48	48	50	49	50	48	48	48	46	46	46	46	46	46
18	47	47	47	48	48	48	50	49	50	48	48	48	46	46	46	46	46	46
19	47	46	47	48	48	48	49	49	49	48	48	48	46	46	46	46	46	46
20	46	46	46	48	48	48	49	49	49	48	48	48	46	46	46	46	46	46
21	46	46	46	48	48	48	49	49	49	48	48	48	46	46	46	46	45	45
22	46	46	46	48	48	48	49	49	49	48	48	48	46	46	46	45	45	45
23	46	46	46	48	48	48	NR	NR	NR	48	48	48	46	46	46	45	45	45
24	46	46	46	48	48	48	NR	NR	NR	48	48	48	46	46	46	45	45	45
25	46	46	46	48	47	48	NR	NR	NR	48	48	48	46	46	46	45	45	45
26	46	45	46	47	47	47	NR	NR	NR	48	48	48	46	46	46	45	45	45
27	45	45	45	47	47	47	NR	NR	NR	48	48	48	46	46	46	45	45	45
28	45	45	45	47	47	47	NR	NR	NR	48	48	48	46	46	46	45	45	45
29	45	45	45	47	47	47	45	45	45	48	47	47	47	46	47	45	45	45
30	45	45	45	47	47	47	45	45	45	47	47	47	47	47	47	46	45	46
31				47	47	47				47	47	47	47	47	47			

NR - No record.

TABLE D-7 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

BO 2580.00 STOCKTON DIVERTING CANAL AT STOCKTON

(October 1, 1970, through September 30, 1971)

(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	230	220	225	NF	NF	NF	155	135	140	NR	NR	NR	190	190	190	512	490	505
2	780	220	350	NF	NF	NF	140	130	135	NR	NR	NR	190	180	185	510	290	400
3	780	210	350	NF	NF	NF	145	140	140	NR	NR	NR	190	180	185	370	212	260
4	220	200	210	NF	NF	NF	165	145	155	NR	NR	NR	NR	NR	NR	216	208	213
5	250	220	230	430	310	370	165	145	160	NR	NR	NR	NR	NR	NR	217	204	210
6	265	250	260	NF	NF	NF	155	155	155	NR	NR	NR	NR	NR	NR	210	200	205
7	265	235	250	285	260	275	160	155	160	NR	NR	NR	NR	NR	NR	NF	NF	NF
8	235	210	220	290	280	285	165	150	160	NR	NR	NR	NR	NR	NR	NF	NF	NF
9	215	210	215	300	290	295	185	160	172	NR	NR	NR	NR	NR	NR	NF	NF	NF
10	NF	NF	NF	310	300	305	165	160	165	NR	NR	NR	NR	NR	NR	NF	NF	NF
11	NF	NF	NF	310	310	310	170	165	170	NR	NR	NR	204	200	202	NF	NF	NF
12	NF	NF	NF	NF	NF	NF	175	170	175	NR	NR	NR	205	204	205	NF	NF	NF
13	NF	NF	NF	NF	NF	NF	180	170	175	NR	NR	NR	206	204	205	770	720	745
14	NF	NF	NF	NF	NF	NF	175	175	175	NR	NR	NR	210	205	208	720	205	330
15	NF	NF	NF	NF	NF	NF	180	175	180	NR	NR	NR	210	210	210	300	260	280
16	NF	NF	NF	NF	NF	NF	230	145	200	NR	NR	NR	210	208	209	260	217	239
17	NF	NF	NF	NF	NF	NF	210	165	180	NR	NR	NR	810	210	300	217	198	206
18	NF	NF	NF	NF	NF	NF	185	170	180	NR	NR	NR	1000	207	250	338	195	210
19	NF	NF	NF	NF	NF	NF	190	185	185	NR	NR	NR	1000	211	330	196	187	192
20	NF	NF	NF	NF	NF	NF	185	185	185	185	180	185	213	210	211	197	190	194
21	NF	NF	NF	NF	NF	NF	185	175	180	185	185	185	212	210	211	200	190	195
22	NF	NF	NF	NF	NF	NF	185	180	180	190	185	185	213	210	212	204	190	197
23	NF	NF	NF	NF	NF	NF	190	185	190	185	185	185	214	210	212	NF	NF	NF
24	NF	NF	NF	NF	NF	NF	190	190	190	185	185	185	215	210	213	NF	NF	NF
25	NF	NF	NF	NF	NF	NF	190	190	190	190	185	190	217	211	214	NF	NF	NF
26	NF	NF	NF	380	310	345	NR	NR	NR	190	185	190	850	212	550	275	199	238
27	NF	NF	NF	315	310	315	NR	NR	NR	190	190	190	1100	292	550	228	203	215
28	NF	NF	NF	NF	NF	NF	NR	NR	NR	190	190	190	560	430	495	213	203	208
29	NF	NF	NF	605	105	350	NR	NR	NR	220	185	200				230	213	222
30	NF	NF	NF	130	110	125	NR	NR	NR	190	190	190				238	230	234
31	NF	NF	NF				NR	NR	NR	190	180	185				240	238	239

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	460	240	255	266	210	213	200	195	198	NF	NF	NF	195	192	195	210	203	208
2	460	232	270	1100	210	400	201	197	199	210	190	200	198	190	194	210	206	209
3	242	240	240	300	199	218	203	197	200	207	191	200	203	184	200	206	200	203
4	242	239	240	406	197	230	298	200	220	213	205	209	214	196	203	203	200	202
5	NF	NF	NF	208	191	200	NF	NF	NF	213	200	207	210	188	198	345	203	270
6	NF	NF	NF	208	192	200	NF	NF	NF	208	195	202	190	184	186	210	195	200
7	NF	NF	NF	680	190	300	NF	NF	NF	NF	NF	NF	195	184	188	270	195	225
8	NF	NF	NF	575	213	320	NF	NF	NF	NF	NF	NF	210	188	193	230	192	205
9	435	270	315	213	187	202	NF	NF	NF	NF	NF	NF	NF	NF	NF	210	190	195
10	610	264	310	210	192	200	NF	NF	NF	NF	NF	NF	NF	NF	NF	220	195	205
11	263	250	255	220	196	208	NF	NF	NF	NF	NF	NF	204	190	196	225	192	205
12	NF	NF	NF	308	202	235	NF	NF	NF	NF	NF	NF	213	204	207	223	211	215
13	NF	NF	NF	213	203	208	NF	NF	NF	NF	NF	NF	NF	NF	NF	215	204	210
14	NF	NF	NF	505	205	320	NF	NF	NF	NF	NF	NF	NF	NF	NF	222	212	215
15	NF	NF	NF	427	203	260	660	210	370	NF	NF	NF	239	195	211	238	211	225
16	NF	NF	NF	218	198	208	880	222	300	NF	NF	NF	200	195	198	232	215	222
17	NF	NF	NF	218	204	210	222	211	217	NF	NF	NF	200	200	200	225	215	220
18	NF	NF	NF	210	202	206	218	200	210	NF	NF	NF	201	197	199	248	208	228
19	NF	NF	NF	222	208	215	220	200	211	198	194	196	200	191	197	209	203	206
20	NF	NF	NF	684	222	320	238	200	221	198	187	193	197	191	195	210	205	208
21	NF	NF	NF	240	220	230	224	203	211	NF	NF	NF	200	195	197	215	208	211
22	NF	NF	NF	675	224	355	210	199	205	NF	NF	NF	370	200	225	210	204	207
23	NF	NF	NF	310	220	265	226	196	211	NF	NF	NF	203	199	201	204	200	201
24	NF	NF	NF	232	205	219	222	207	217	NF	NF	NF	201	200	200	201	198	200
25	NF	NF	NF	230	206	218	230	208	218	NF	NF	NF	207	200	203	204	200	202
26	NR	NR	NR	230	215	222	230	212	222	NF	NF	NF	205	199	202	209	203	206
27	NR	NR	NR	223	211	217	222	192	207	198	185	192	209	205	207	204	201	203
28	235	212	225	1000	212	330	205	199	202	200	190	194	210	205	207	210	201	204
29	222	201	215	220	208	212	219	203	208	220	185	200	214	207	210	298	292	295
30	1050	212	450	225	203	210	NF	NF	NF	220	190	200	210	206	208	685	195	350
31				490	200	217				196	190	193	210	207	209			

NF - No flow
NR - No record

TABLE D-7 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

B1 1150.00 COSUMNES RIVER AT MICHIGAN BAR

(October 1, 1970, through September 30, 1971)

(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	116	100	105	80	78	79	83	81	82	80	79	80
2				NR	NR	NR	107	89	94	84	76	80	80	79	80	80	79	80
3				NR	NR	NR	112	92	102	NR	NR	NR	79	78	79	82	80	80
4				NR	NR	NR	115	81	91	NR	NR	NR	79	78	79	NR	NR	NR
5				NR	NR	NR	98	83	90	NR	NR	NR	81	78	80	NR	NR	NR
6				NR	NR	NR	108	98	103	NR	NR	NR	82	80	81	NR	NR	NR
7				NR	NR	NR	113	109	110	NR	NR	NR	83	82	82	NR	NR	NR
8		N		NR	NR	NR	120	113	116	NR	NR	NR	84	82	83	NR	NR	NR
9				NR	NR	NR	118	85	100	NR	NR	NR	84	82	83	NR	NR	NR
10		O		NR	NR	NR	92	88	90	NR	NR	NR	85	83	84	NR	NR	NR
11				80	78	78	98	92	95	NR	NR	NR	84	81	83	84	82	83
12				80	78	79	103	98	100	NR	NR	NR	81	75	79	126	84	94
13		R		80	78	79	105	103	104	NR	NR	NR	76	69	72	126	86	94
14				78	77	78	105	105	105	NR	NR	NR	69	66	67	86	86	86
15		E		80	76	78	107	105	106	NR	NR	NR	66	64	65	88	86	87
16		C		79	76	77	125	72	110	120	117	119	65	64	64	86	84	86
17				78	76	77	105	100	103	120	105	113	66	65	66	84	81	83
18		O		78	77	78	115	105	110	105	93	98	66	65	66	81	78	79
19				78	76	77	117	115	116	93	88	91	82	66	76	78	76	77
20		R		80	78	79	121	117	119	88	83	86	76	74	75	76	73	74
21		C		80	78	79	122	108	115	83	82	82	74	73	74	73	70	72
22				80	79	79	115	108	112	83	82	82	75	74	74	70	68	70
23				80	80	80	122	115	118	85	83	84	76	74	76	73	68	70
24				81	79	80	124	122	123	87	85	86	77	76	76	74	66	70
25				130	78	105	126	124	125	88	86	87	78	76	77	100	64	76
26				136	103	121	132	126	129	90	88	89	78	76	77	102	56	76
27				113	103	107	132	114	126	91	89	90	78	76	77	58	56	57
28				124	76	102	123	110	113	90	89	90	80	78	78	58	58	58
29				121	101	112	NR	NR	NR	89	88	88				62	58	60
30				117	100	112	NR	NR	NR	88	86	87				60	58	59
31							82	76	77	88	83	85				58	58	58

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	60	58	59	59	57	58	56	54	55	55	54	54	74	70	72	84	78	82
2	60	60	60	58	56	57	56	56	56	56	54	55	74	72	73	84	78	82
3	60	59	60	56	55	55	56	55	56	56	54	55	76	72	74	82	78	81
4	60	58	59	55	54	54	56	54	55	58	56	57	76	72	74	81	79	80
5	58	57	58	56	54	55	55	53	54	58	56	57	74	72	73	81	80	81
6	58	56	57	56	54	55	53	52	53	58	56	57	75	74	74	82	80	81
7	62	56	60	56	54	55	52	50	51	58	56	57	75	73	74	82	79	81
8	61	60	60	56	54	55	50	47	49	58	57	57	76	74	75	82	80	81
9	60	60	60	57	56	56	47	47	47	58	57	58	78	74	76	82	80	81
10	64	60	62	56	53	55	47	47	47	60	58	59	78	75	76	83	80	82
11	64	60	61	54	50	52	47	47	47	61	58	59	78	76	77	83	80	82
12	60	59	60	50	47	48	48	47	48	61	59	60	78	75	77	83	80	82
13	59	57	58	47	46	46	48	48	48	62	60	60	78	75	77	83	80	82
14	58	57	57	46	45	46	48	48	48	62	60	61	78	76	77	84	80	83
15	57	56	57	46	43	44	50	48	49	63	61	62	78	76	77	84	80	83
16	56	54	55	45	44	45	49	48	48	63	62	62	77	75	76	84	81	83
17	56	56	56	45	45	45	48	48	48	64	62	63	78	75	77	84	82	83
18	57	56	56	46	45	46	49	48	49	65	63	64	78	76	77	85	82	84
19	58	57	57	46	45	46	50	49	49	64	63	64	78	76	77	86	82	84
20	58	58	58	46	46	46	50	50	50	65	64	65	79	76	78	86	83	85
21	59	58	59	46	46	46	51	50	50	66	64	65	80	78	79	86	83	85
22	60	59	60	47	45	46	51	51	51	66	64	65	80	77	79	87	83	85
23	61	60	60	49	47	48	52	51	52	66	65	66	80	78	79	87	83	85
24	61	60	61	50	48	49	52	52	52	68	66	67	81	78	80	87	85	86
25	61	60	61	48	47	48	54	52	53	68	67	67	82	79	81	88	84	87
26	62	61	62	47	46	47	55	54	54	69	68	68	82	78	80	88	84	86
27	62	61	62	47	45	46	54	52	53	70	68	69	82	79	80	88	84	86
28	63	62	63	59	47	48	52	50	51	72	68	70	82	78	80	88	84	86
29	63	62	62	50	48	50	51	49	50	72	70	71	83	78	81	88	86	87
30	62	61	62	51	49	50	54	51	52	73	70	72	83	78	81	88	84	86
31				53	50	52				72	70	71	83	79	81			

NR - No record.

TABLE D-7 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

B9 D 747.2 118.4 SAN JOAQUIN RIVER AT MOSSDALE BRIDGE

(October 1, 1970, through September 30, 1971)

(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	800	740	770	1,030	1,000	1,015	470	430	450	385	365	375	505	460	480	635	565	610
2	780	750	765	1,050	1,010	1,030	510	470	495	385	370	375	485	450	460	655	605	630
3	770	710	740	1,070	1,050	1,060	560	530	545	370	350	365	465	385	420	615	595	605
4	735	705	720	970	930	950	540	520	530	350	335	345	450	365	430	685	605	655
5	725	695	710	970	940	955	610	530	570	350	150	270	455	405	430	715	640	690
6	745	705	725	960	890	925	610	430	520	230	170	195	465	405	440	640	620	630
7	710	710	710	930	890	910	430	320	375	250	180	210	440	405	430	NR	NR	NR
8	730	700	715	910	850	880	380	330	355	270	210	235	430	385	420	NR	NR	NR
9	740	710	725	870	820	850	455	275	395	300	245	270	435	410	425	595	555	575
10	755	725	740	880	860	870	435	325	385	325	280	310	415	375	405	620	570	585
11	755	695	725	880	850	865	565	430	510	340	310	330	460	395	435	675	620	640
12	750	740	745	900	860	880	605	520	545	390	335	360	455	335	410	NR	NR	NR
13	740	720	730	920	890	905	520	475	497	410	370	400	360	285	330	685	640	665
14	730	690	710	910	890	900	500	445	485	410	320	380	375	335	350	640	565	600
15	715	695	705	910	900	905	445	355	400	335	295	320	465	370	430	595	505	550
16	715	675	695	910	860	885	395	365	370	305	260	285	505	465	495	NR	NR	NR
17	675	625	650	875	860	865	415	390	405	290	250	270	480	410	440	NR	NR	NR
18	650	630	640	890	875	885	425	355	395	330	275	310	450	370	420	540	505	520
19	760	650	705	900	860	880	370	350	360	360	325	345	430	395	415	580	530	550
20	805	755	770	860	850	855	375	325	355	405	360	380	440	405	415	625	580	595
21	845	805	825	860	850	855	345	325	330	465	405	440	435	395	415	685	620	645
22	865	805	835	855	845	850	355	330	345	465	440	460	410	365	390	710	685	690
23	965	865	920	840	760	800	340	320	330	475	440	465	415	390	395	695	660	675
24	985	955	970	760	720	740	345	325	335	480	420	460	445	405	430	705	670	690
25	995	965	980	720	690	705	350	330	340	460	405	445	515	445	490	705	640	680
26	985	965	975	710	690	700	340	330	335	455	420	440	515	500	510	690	630	660
27	995	935	965	730	690	700	340	330	335	470	450	460	555	505	525	635	580	610
28	945	925	935	730	700	715	355	330	345	490	460	480	565	540	550	610	575	595
29	975	945	960	710	580	655	360	335	350	510	490	495				NR	NR	NR
30	995	975	985	590	440	515	365	330	345	540	510	525				NR	NR	NR
31	1,015	995	1,005				375	340	360	540	505	525				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															
2	720	640	695															
3	745	715	735															
4	755	710	735															
5	745	675	710															
6	790	745	775															
7	NR	NR	NR															
8	NR	NR	NR															
9	NR	NR	NR															
10	NR	NR	NR															
11	NR	NR	NR															
12	NR	NR	NR															
13	NR	NR	NR															
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		
25																		
26																		
27																		
28																		
29																		
30																		
31																		

NR - No record.
Recorder removed April 14, 1971, because of bridge construction.

TABLE D-7 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

B9 D 757.8 121.9 STOCKTON SHIP CHANNEL AT BURNS CUTOFF

(October 1, 1970, through September 30, 1971)

(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	685	670	675	945	905	935	640	415	475	390	260	375	595	570	586	560	535	555
2	690	665	675	965	915	940	505	235	415	400	290	375	605	555	590	575	545	565
3	690	670	680	970	940	960	430	295	370	385	370	375	595	510	550	600	560	590
4	700	680	690	1,005	975	990	425	340	370	380	255	265	550	480	540	630	570	600
5	710	675	690	1,025	970	995	420	295	385	365	360	340	530	475	510	650	585	625
6	705	690	700	1,025	940	1,000	525	365	475	355	295	335	515	455	505	655	600	645
7	715	695	705	1,040	965	995	585	490	530	355	280	335	530	500	515	675	635	660
8	710	690	700	985	935	970	590	515	545	390	325	355	535	515	525	705	650	680
9	705	655	695	955	930	940	535	445	500	430	305	385	530	500	515	705	670	690
10	710	670	690	970	920	955	465	430	445	445	395	425	520	500	515	715	660	695
11	715	695	705	980	945	965	480	385	460	465	435	455	520	495	510	720	670	690
12	744	705	720	960	905	935	510	455	485	485	450	465	515	475	495	NR	NR	NR
13	755	720	735	920	895	910	570	492	525	475	460	470	530	485	500	NR	NR	NR
14	770	745	755	915	900	905	630	465	570	480	420	465	510	460	480	NR	NR	NR
15	775	745	755	925	900	910	636	555	615	505	395	480	460	400	425	NR	NR	NR
16	765	740	750	925	910	920	624	540	600	465	315	405	430	410	420	NR	NR	NR
17	745	735	740	940	915	925	585	490	540	405	300	360	470	430	450	NR	NR	NR
18	745	720	740	940	910	925	490	335	480	395	275	380	490	470	480	NR	NR	NR
19	725	715	720	925	915	920	475	270	445	410	255	375	490	445	475	NR	NR	NR
20	710	685	700	940	920	930	450	375	420	415	245	395	470	435	455	NR	NR	NR
21	690	660	670	955	930	945	435	354	390	415	325	390	465	435	450	570	540	555
22	690	660	675	965	940	950	405	330	385	465	360	420	450	435	445	565	535	550
23	750	670	710	980	935	955	405	330	385	475	430	455	465	435	450	570	540	560
24	785	705	750	980	955	965	400	300	375	480	435	470	465	435	450	580	555	570
25	825	755	790	1,010	970	990	405	335	380	495	305	470	445	425	435	605	575	590
26	880	795	735	1,010	954	970	390	295	365	500	330	480	485	440	465	615	580	600
27	925	845	895	975	960	970	385	310	355	495	420	480	505	450	480	620	485	580
28	925	890	900	990	960	975	405	320	370	505	470	490	540	505	530	625	535	575
29	920	860	900	985	930	965	390	295	365	540	510	520				610	580	600
30	930	885	910	925	475	745	420	275	865	555	480	540				610	520	600
31	945	900	930				410	230	365	580	545	570				600	495	580

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	605	540	575	620	565	595	625	570	600	540	490	515	485	335	430	NR	NR	NR
2	595	530	570	620	560	600	625	595	610	525	490	510	485	330	420	NR	NR	NR
3	600	560	570	620	590	605	635	600	615	530	480	505	485	330	410	555	420	510
4	635	570	575	640	590	615	640	600	625	NR	NR	NR	450	335	395	545	435	510
5	605	570	580	660	610	630	630	615	625	NR	NR	NR	465	335	405	590	455	525
6	610	580	590	665	610	640	620	600	615	NR	NR	NR	445	335	390	610	480	550
7	620	585	605	685	610	645	625	595	610	NR	NR	NR	480	330	400	610	510	575
8	640	595	615	700	650	685	630	595	610	NR	NR	NR	460	330	395	630	495	585
9	670	615	640	NR	NR	NR	630	590	615	515	465	490	455	330	405	640	555	585
10	675	630	660	NR	NR	NR	635	565	615	495	465	485	445	320	405	630	510	585
11	690	655	680	NR	NR	NR	640	585	615	500	460	485	430	300	370	640	480	575
12	735	665	685	NR	NR	NR	630	600	615	510	460	495	430	280	375	NR	NR	NR
13	740	680	695	NR	NR	NR	640	600	625	510	450	495	430	275	375	NR	NR	NR
14	770	685	715	NR	NR	NR	660	600	640	510	450	490	450	290	380	NR	NR	NR
15	805	690	705	NR	NR	NR	655	585	635	515	450	485	420	280	355	NR	NR	NR
16	715	650	685	NR	NR	NR	630	555	615	520	425	485	435	285	345	560	515	545
17	720	655	690	NR	NR	NR	625	555	595	520	430	470	415	290	340	565	520	545
18	700	665	685	665	600	645	600	555	585	500	425	460	390	290	340	570	530	555
19	715	650	690	660	605	635	605	545	590	520	405	450	415	290	375	570	540	555
20	690	655	670	655	610	635	600	520	570	500	400	450	415	295	365	580	540	560
21	682	645	665	660	625	645	575	475	525	520	385	450	435	295	365	590	540	570
22	675	650	655	660	630	645	570	460	510	505	375	450	430	295	365	595	550	580
23	675	630	650	660	630	645	565	445	495	480	395	420	430	320	380	600	540	580
24	675	625	645	665	605	640	535	475	485	485	390	425	470	320	390	600	540	580
25	665	625	640	660	605	640	525	450	485	475	390	425	440	315	390	625	560	590
26	655	615	635	660	605	635	510	460	480	470	385	420	NR	NR	NR	630	570	595
27	645	610	630	660	610	635	505	455	480	480	390	425	NR	NR	NR	630	570	600
28	645	605	615	645	555	630	505	460	480	470	370	420	NR	NR	NR	625	575	600
29	635	600	620	655	575	625	525	475	495	465	370	420	NR	NR	NR	630	590	610
30	630	595	610	645	575	620	540	480	510	480	360	420	NR	NR	NR	665	600	635
31				630	555	615				490	330	430	NR	NR	NR			

NR - No record.

TABLE D-7 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

B9 D 801.1 148.1 SAN JOAQUIN RIVER AT ANTIOCH

(October 1, 1970, through September 30, 1971)

(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	556	244	370	600	230	360	320	225	250	374	296	330	NR	NR	NR	310	280	295
2	598	220	400	690	220	400	295	245	255	374	290	330	NR	NR	NR	305	272	290
3	678	230	420	774	240	450	335	200	250	365	285	330	NR	NR	NR	310	275	290
4	720	228	400	670	240	450	295	185	225	360	285	330	NR	NR	NR	310	280	290
5	740	210	420	672	270	470	305	200	240	365	290	335	NR	NR	NR	310	266	290
6	660	220	400	540	230	420	275	215	255	368	280	335	NR	NR	NR	310	268	290
7	520	200	340	520	230	360	NR	NR	NR	360	290	330	NR	NR	NR	310	278	290
8	500	196	330	432	230	340	NR	NR	NR	362	280	330	NR	NR	NR	310	270	295
9	620	200	370	408	240	350	400	310	340	362	280	325	NR	NR	NR	308	273	298
10	640	220	400	400	230	330	393	315	360	355	270	320	NR	NR	NR	320	272	300
11	700	230	470	380	230	320	NR	NR	NR	355	254	310	NR	NR	NR	330	270	310
12	800	258	480	400	240	330	NR	NR	NR	350	285	320	NR	NR	NR	NR	NR	NR
13	836	240	500	360	240	300	308	225	260	357	298	325	NR	NR	NR	NR	NR	NR
14	880	250	500	360	220	290	320	250	280	360	304	325	NR	NR	NR	NR	NR	NR
15	NR	NR	NR	380	230	300	328	250	280	368	285	320	NR	NR	NR	NR	NR	NR
16	NR	NR	NR	360	220	290	328	235	280	342	275	310	NR	NR	NR	NR	NR	NR
17	NR	NR	NR	280	180	256	NR	NR	NR	315	250	280	NR	NR	NR	NR	NR	NR
18	NR	NR	NR	266	180	236	NR	NR	NR	348	228	295	NR	NR	NR	NR	NR	NR
19	NR	NR	NR	250	190	230	NR	NR	NR	335	285	315	NR	NR	NR	NR	NR	NR
20	NR	NR	NR	245	185	220	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
21	NR	NR	NR	230	200	220	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
22	NR	NR	NR	245	210	225	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
23	NR	NR	NR	248	206	224	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
24	NR	NR	NR	235	175	215	340	260	295	NR	NR	NR	NR	NR	NR	NR	NR	NR
25	NR	NR	NR	220	150	180	355	270	310	NR	NR	NR	NR	NR	NR	NR	NR	NR
26	NR	NR	NR	290	190	245	360	265	315	NR	NR	NR	NR	NR	NR	NR	NR	NR
27	NR	NR	NR	325	235	265	355	260	310	NR	NR	NR	NR	NR	NR	NR	NR	NR
28	NR	NR	NR	310	195	240	370	265	315	NR	NR	NR	314	288	295	NR	NR	NR
29	NR	NR	NR	295	190	255	370	235	290	NR	NR	NR				NR	NR	NR
30	550	220	320	330	220	260	370	300	335	NR	NR	NR				NR	NR	NR
31	506	230	320				370	305	340	NR	NR	NR				NR	NR	NR

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1				NR	NR	NR	205	173	188	215	185	200	754	345	460	360	260	325
2				NR	NR	NR	200	175	188	210	180	200	820	332	535	355	265	320
3				NR	NR	NR	209	174	185	210	170	190	974	362	600	295	250	270
4				NR	NR	NR	200	175	183	220	174	200	1280	328	700	310	240	270
5				NR	NR	NR	210	173	185	NR	NR	NR	1270	296	670	318	213	270
6				NR	NR	NR	205	170	185	NR	NR	NR	1240	335	700	319	210	270
7				205	180	190	200	175	182	NR	NR	NR	1193	340	700	298	192	245
8				208	180	188	200	165	180	475	170	290	1140	368	725	282	190	235
9				208	177	188	209	162	180	506	180	300	1030	380	725	290	184	235
10		N		207	177	188	204	172	185	460	166	290	1035	410	715	280	190	230
11		O		200	175	185	204	170	182	422	185	300	1145	495	825	260	170	220
12				216	182	195	200	160	180	415	210	310	1180	530	825	245	163	210
13				212	180	192	204	168	182	410	223	310	1175	470	760	240	120	200
14				207	175	188	196	169	180	418	255	320	1155	435	730	229	160	200
15		R		230	172	190	198	170	180	405	284	345	1085	400	680	220	162	200
16		E		214	172	190	200	170	180	520	270	365	1040	400	680	230	170	205
17				210	174	182	200	175	180	550	275	390	980	380	635	240	180	210
18		C		210	170	185	231	175	190	610	340	465	895	365	625	NR	NR	NR
19				210	171	185	210	174	190	675	418	510	855	395	615	NR	NR	NR
20		O		200	171	183	220	168	200	840	390	530	900	365	610	NR	NR	NR
21		R		205	171	180	240	180	210	800	490	610	745	360	550	NR	NR	NR
22				208	174	188	280	172	212	795	285	500	670	380	520	NR	NR	NR
23		D		205	182	192	280	150	210	885	280	550	580	365	470	NR	NR	NR
24				205	180	195	300	163	220	875	300	545	550	365	465	NR	NR	NR
25				214	173	195	280	155	220	783	285	515	578	395	480	220	170	190
26				220	171	195	260	160	215	670	300	510	555	385	475	205	162	180
27				220	175	200	240	170	215	660	300	465	510	370	420	208	163	180
28				210	171	198	240	180	215	640	320	460	475	305	385	195	160	175
29				210	177	195	235	190	220	600	320	425	442	270	350	230	165	185
30				215	178	198	230	190	210	610	310	410	400	270	335	191	165	180
31				208	170	190				677	320	430	380	270	325			

NR - No record.

TABLE D-7 (Cont.)

DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

B9 D 802.7 132.7 SACRAMENTO RIVER AT GREENE'S LANDING

(October 1, 1970, through September 30, 1971)

(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																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		
25																		
26																		
27																		
28																		
29																		
30																		
31																		

Day	April			May			June			July			August			September		
	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg	Max	Min	Avg
1										128	120	124	174	154	162	150	138	142
2										132	119	126	170	150	162	152	138	144
3										134	123	128	161	145	153	153	139	145
4										127	123	125	157	143	151	145	137	141
5										127	123	125	150	127	137	145	135	141
6										126	123	125	131	124	126	146	139	143
7										128	126	126	129	118	124	150	137	145
8										126	112	120	129	120	124	162	150	155
9										120	110	115	132	117	123	161	154	157
10										120	113	117	135	125	130	165	155	159
11										117	112	114	135	123	129	172	159	165
12										119	111	115	138	120	131	177	162	171
13										125	119	123	138	117	125	187	169	182
14										135	127	130	125	115	119	191	167	180
15										139	125	130	122	107	114	190	167	173
16							121	118	119	135	123	127	125	113	118	196	137	161
17							129	118	122	131	122	126	135	121	128	166	125	143
18							128	117	120	127	121	124	131	125	127	147	125	134
19							122	113	119	129	119	125	135	125	130	144	126	134
20							117	109	113	133	120	128	146	132	137	151	122	133
21							119	112	115	131	118	125	138	117	128	142	115	128
22							119	115	117	128	119	124	140	126	133	133	116	127
23							120	115	117	132	119	124	145	135	138	126	105	117
24							119	111	115	128	119	123	168	142	153	130	115	122
25							121	112	116	132	117	124	147	138	142	128	108	117
26							123	93	117	138	122	129	139	123	132	117	71	108
27							122	116	119	140	129	136	150	129	139	123	108	116
28							126	107	119	144	132	137	150	135	140	122	109	115
29							127	107	119	155	136	142	151	133	139	120	110	117
30							132	121	126	161	140	147	148	132	139	123	120	122
31										209	142	182	143	131	136			

Beginning of record June 16, 1971.

TABLE D-8

PLANKTON ANALYSIS OF SURFACE WATER

Station Number	Station	Date Time	Phytoplankton (number per milliliter) Total	Bl-Gr	Green	Flag	Diatoms C/P	Most Abundant Phytoplankton (genus %) 1	2	3	4	5	6	Samp	Lab
A0 5103.00	FEATHER RIVER AT NICOLAUS	10-07-70 0900	1684	64	32	1330	162/96	F 99 71.3	D 03 9.6	F 52 7.7	B 55 3.8	D 65 3.8	G 27 1.9	5050	5050
		11-05-70 1020	928		130	766	0/32	F 99 72.3	G 22 14.0	F 56 6.9	F 52 3.4	D 66 3.4		5050	5050
		12-09-70 1010	316		64	252		F 99 69.6	G 02 20.2	F 56 10.1				5050	5050
		01-06-71 --	416	64	32	192	96/32	F 99 38.4	B 55 15.4	D 05 15.4	G 15 7.7	F 56 7.7	D 03 7.7	5050	5050
A0 5165.00	FEATHER RIVER NEAR GRIDLEY	10-07-70 0645	1770	220	32	1228	290/0	F 99 62.1	D 03 16.4	B 55 12.4	F 52 5.4	G 22 1.8	F 54 1.8	5050	5050
		11-05-70 0830	928			864	64/0	F 99 86.2	F 56 6.9	D 03 6.9				5050	5050
		12-05-70 0840	412		64	220	96/32	F 99 53.4	D 03 23.3	G 22 7.8	G 07 7.8	D 66 7.8		5050	5050
		01-06-70 --	568		64	252	252/0	F 99 38.7	D 03 38.7	G 02 11.3	F 56 5.6	D 05 5.6		5050	5050
A5 R 953.0 028.6	LAKE DAVIS NEAR DAM (STATION 1)	04-28-71 1715	1020		64	956		F 99 52.9	F 56 31.3	F 52 9.4	G 19 6.3			5050	5050
A5 R 954.9 030.3	LAKE DAVIS, MIDLAKE (STATION 2)	04-28-71 1515 (1 Foot)	2530			2530		F 99 67.2	F 56 32.8	D 55 Trace				5050	5050
		04-28-71 1520 (7 Feet)	3088		96	2832	0/160	F 99 51.8	F 56 38.9	D 55 5.2	G 19 2.1	F 08 1.0	G 22 1.0	5050	5050
A5 R 955.9 031.3	LAKE DAVIS NEAR NORTH END (STATION 3)	04-28-71 1245	2554			2490	0/64	F 99 58.7	F 56 38.8	D 66 2.5	G 19 Trace	D 55 Trace		5050	5050

Station Number	Station	Date Time	Zooplankton (number per liter) Total	Rotifer	Crust	Misc.	Most Abundant Zooplankton (genus %) 1	2	3	4	Samp	Lab
A5 R 954.9 030.0	LAKE DAVIS, MIDLAKE (STATION 2)	04-28-71 1515 (1 Foot)	6100			6100	M 50 100				5050	5050
		04-28-71 1520 (7 Feet)	9000	300		8700	M 50 96.7	R 20 3.3			5050	5050

CODES AND ABBREVIATIONS

PHYTOPLANKTON

Total - Total phytoplankton per milliliter

Bl-Gr - Blue Green Algae

Green - Green Algae

Flag - Flagellates

C/P - Centric over Pennate (undifferentiated if no dividing line is shown)

Most Abundant Phytoplankton

Blue-Green Algae

B 55 Oscillatoria

Green Algae

G 02 Ankistrodesmus
G 07 Crucigenia
G 15 Scenedesmus
G 19 Schroderia
G 22 Selenastrum
G 27 Treubaria

Flagellates

F 08 Trachelomonas
F 52 Dinobryon

Flagellates (Continued)

F 54 Dinoflagellates (Dinophyceae)
F 56 Cryptomonas
F 99 Unidentified

Diatoms

Centric

D 03 Cyclotella
D 05 Melosira (fresh water)

Pennate

D 55 Asterionella
D 65 Navicula
D 66 Nitzschia

ZOOPLANKTON

Total - Total zooplankton per milliliter

Misc - Miscellaneous zooplankton

Most Abundant Zooplankton

Rotifers

R 20 Keratella

Miscellaneous

M 50 Unidentified Ciliates

SAMPLER

5050 - Department of Water Resources

LABORATORY

5050 - Department of Water Resources Laboratory at Bryte

TABLE D-9

SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*

(Chlorides in Milligrams per Liter)

Station Number	Station	OCTOBER 1970							
		2	6	10	14	18	22	26	30
	SUISUN BAY								
EO B 803.5 213.3	CARQUINEZ STRAIT AT CROCKETT		9,730 d			8,190	6,730	8,420	
EO B 801.9 207.8	CARQUINEZ STRAIT AT MARTINEZ	6,210 a	7,080	6,960 df	7,430	6,710	4,220	6,190	6,310 a
EO B 803.4 202.3	SUISUN BAY AT PORT CHICAGO		4,190 a	4,140 e	3,540	1,880 abd	2,540 a	2,270 abd	
EO B 803.0 159.0	SUISUN BAY AT NICHOLS			3,670 3	3,070	2,950	1,900 a	2,180	5,280
B9 D 802.3 153.0	SACRAMENTO RIVER AT PITTSBURG	200 bd	140 abd	190 a		229 bd		62 cd	62
	SACRAMENTO RIVER DELTA								
B9 D 804.4 151.0	SACRAMENTO RIVER AT COLLINSVILLE								
B9 D 804.6 145.2	SACRAMENTO RIVER BELOW EMMATON		35 a	37 a	33 d	62 d	26	21 d	21
B9 D 806.4 142.0	THREE MILE SLOUGH AT SACRAMENTO RIVER		9 a	7 a	9	12 a	9 d	7	13
B9 D 809.6 141.1	SACRAMENTO RIVER AT RIO VISTA BRIDGE		5	4 e	5	5	5	6	6
B9 D 810.3 135.6	SACRAMENTO RIVER AT ISLETON BRIDGE		5	2 e	6	4	4	4	3
	SAN JOAQUIN RIVER DELTA								
B9 D 801.1 148.1	SAN JOAQUIN RIVER AT ANTIOCH		103	49 a	106	111	94 d	55	51
B9 D 801.7 145.0	SAN JOAQUIN RIVER AT ANTIOCH BRIDGE								
B9 D 802.6 141.5	SAN JOAQUIN RIVER AT JERSEY ISLAND	18			15		11		17
B9 D 805.2 141.1	THREE MILE SLOUGH AT SAN JOAQUIN RIVER	8 a	8 d	8 a	7	9 d	8	8	10 de
B9 D 803.5 140.0	FALSE RIVER AT BRADFORD ISLAND		9 ad	9 a	11	9 a	10 d	10	9 a
B9 D 806.3 135.6	SAN JOAQUIN RIVER AT SAN ANDREAS LANDING		5 a	7 a	5	7 a	7	5	
B9 D 800.7 138.4	DUTCH SLOUGH AT BETHEL ISLAND BRIDGE		20	17	15	16	14		16
B9 D 747.2 118.4	SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	113 a	111 a	117 d	115 a	109 a	162	163 a	156 a

Station Number	Station	NOVEMBER 1970							
		2	6	10	14	18	22	26	30
	SUISUN BAY								
EO B 803.5 213.3	CARQUINEZ STRAIT AT CROCKETT	9,160	8,520 d		8,790	7,180	6,930	9,950	
EO B 801.9 207.8	CARQUINEZ STRAIT AT MARTINEZ	7,430	6,190 a	5,250	6,560	4,010	3,520 ae	8,170	5,590
EO B 803.4 202.3	SUISUN BAY AT PORT CHICAGO		3,030	2,670	2,960	1,290 bd	4,110	3,860	
EO B 803.0 159.0	SUISUN BAY AT NICHOLS	4,650	2,890	3,360	2,820	1,500	2,910	3,850	2,020
B9 D 802.3 153.0	SACRAMENTO RIVER AT PITTSBURG	176	166 abd	113 d	78		38	68	58
	SACRAMENTO RIVER DELTA								
B9 D 804.4 151.0	SACRAMENTO RIVER AT COLLINSVILLE								
B9 D 804.6 145.2	SACRAMENTO RIVER BELOW EMMATON	36	21 a	23	17	13 a	10	7	6
B9 D 806.4 142.0	THREE MILE SLOUGH AT SACRAMENTO RIVER	8 a	7 a	6	5 a	6 a	4	5	5 a
B9 D 809.6 141.1	SACRAMENTO RIVER AT RIO VISTA BRIDGE	6	5	5					
B9 D 810.3 135.6	SACRAMENTO RIVER AT ISLETON BRIDGE	3 a	4	5	5	6	2	2	4
	SAN JOAQUIN RIVER DELTA								
B9 D 801.1 148.1	SAN JOAQUIN RIVER AT ANTIOCH	35 a	67 a	67	54	31 a	21	25	32
B9 D 801.7 145.0	SAN JOAQUIN RIVER AT ANTIOCH BRIDGE								
B9 D 802.6 141.5	SAN JOAQUIN RIVER AT JERSEY ISLAND								
B9 D 805.2 141.1	THREE MILE SLOUGH AT SAN JOAQUIN RIVER	9	10 a	10	9	13 a	13	10	13
B9 D 803.5 140.0	FALSE RIVER AT BRADFORD ISLAND	10 a	10 a	11	10 a	11 a	13	14	16 de
B9 D 806.3 135.6	SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	5 a			10 a				4 a
B9 D 800.7 138.4	DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	16	19	20	22	21	21	19	27
B9 D 747.2 118.4	SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	169 a	158 a	131 a	134 a	130 a	110 d	109 a	60 a

Station Number	Station	DECEMBER 1970							
		2	6	10	14	18	22	26	30
	SUISUN BAY								
EO B 803.5 213.3	CARQUINEZ STRAIT AT CROCKETT								3,350
EO B 801.9 207.8	CARQUINEZ STRAIT AT MARTINEZ	1,320 a	570			433	155 ae	1,070 a	1,780
EO B 803.4 202.3	SUISUN BAY AT PORT CHICAGO	256	32 a	28	27	29		137	
EO B 803.0 159.0	SUISUN BAY AT NICHOLS		16	30	18	17	20		
B9 D 802.3 153.0	SACRAMENTO RIVER AT PITTSBURG		22	19	18	20 a		26	
	SACRAMENTO RIVER DELTA								
B9 D 804.4 151.0	SACRAMENTO RIVER AT COLLINSVILLE								
B9 D 804.6 145.2	SACRAMENTO RIVER BELOW EMMATON	5	7 de	6 d	6	5 d	7	8 bd	
B9 D 806.4 142.0	THREE MILE SLOUGH AT SACRAMENTO RIVER	6 a	6	5	6	8	6	8	9 a
B9 D 809.6 141.1	SACRAMENTO RIVER AT RIO VISTA BRIDGE						5	4	8
B9 D 810.3 135.6	SACRAMENTO RIVER AT ISLETON BRIDGE	4	5	3	3	6	5	4	5
	SAN JOAQUIN RIVER DELTA								
B9 D 801.1 148.1	SAN JOAQUIN RIVER AT ANTIOCH	20 d	21	20	23 a	24	25	27	33 a
B9 D 801.7 145.0	SAN JOAQUIN RIVER AT ANTIOCH BRIDGE								
B9 D 802.6 141.5	SAN JOAQUIN RIVER AT JERSEY ISLAND				22				34
B9 D 805.2 141.1	THREE MILE SLOUGH AT SAN JOAQUIN RIVER	11 a	18	13	12 a	14 bd			18 a
B9 D 803.5 140.0	FALSE RIVER AT BRADFORD ISLAND	13 a	23	18	20 a	19	20 de	28	26 a
B9 D 806.3 135.6	SAN JOAQUIN RIVER AT SAN ANDREAS LANDING				5	5			
B9 D 800.7 138.4	DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	36	40	48	54	64	66	73	76
B9 D 747.2 118.4	SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	73 a	44	60 a	56 a	43	41	40 a	41 a

*Samples taken at four-day intervals approximately one and one-half hours after high high tide.

a Taken after low high tide.

b Taken on following day.

c Taken two days later.

d Taken over one hour off schedule time.

e Taken on preceding day

f Taken two days earlier.

TABLE D-9 (Cont.)

SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS *

(Chlorides in Milligrams per Liter)

Station Number	Station	JANUARY 1971							
		2	6	10	14	18	22	26	30
	SUISUN BAY								
EO B 803.5 213.3	CARQUINEZ STRAIT AT CROCKETT		4,630	6,120 d	3,050	4,050	3,000	2,150	3,320
EO B 801.9 207.8	CARQUINEZ STRAIT AT MARTINEZ	976	4,440	4,330	1,760	3,030	178 a	1,070	49
EO B 803.4 202.3	SUISUN BAY AT PORT CHICAGO		644	73 abd	49 d	41 a	68 a		25 a
EO B 803.0 159.0	SUISUN BAY AT NICHOLS								
B9 D 802.3 153.0	SACRAMENTO RIVER AT PITTSBURG	36							26 a
	SACRAMENTO RIVER DELTA								
B9 D 804.4 151.0	SACRAMENTO RIVER AT COLLINSVILLE								
B9 D 804.6 145.2	SACRAMENTO RIVER BELOW EMMATON	8 abd	9	11	9 bd	9	7	5	6
B9 D 806.4 142.0	THREE MILE SLOUGH AT SACRAMENTO RIVER	9	9	11	9 a	9	3	5	8
B9 D 809.6 141.1	SACRAMENTO RIVER AT RIO VISTA BRIDGE	5	6		5	3	5	4	4
B9 D 810.3 135.6	SACRAMENTO RIVER AT ISLETON BRIDGE	4	6	5	4	3	2	3	3
	SAN JOAQUIN RIVER DELTA								
B9 D 801.1 148.1	SAN JOAQUIN RIVER AT ANTIOCH	32	30	29	35 a	30	29	28	29
B9 D 801.7 145.0	SAN JOAQUIN RIVER AT ANTIOCH BRIDGE								
B9 D 802.6 141.5	SAN JOAQUIN RIVER AT JERSEY ISLAND	30 a							
B9 D 805.2 141.1	THREE MILE SLOUGH AT SAN JOAQUIN RIVER	15	21	20	20 a	19	20 de	15	13
B9 D 803.5 140.0	FALSE RIVER AT BRADFORD ISLAND	27	29	26	25 a	27	26	20	22
B9 D 806.3 135.6	SAN JOAQUIN RIVER AT SAN ANDREAS LANDING								
B9 D 800.7 138.4	DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	78	54	54	59	63	66	64	64
B9 D 747.2 118.4	SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	39	41 a	56 a					

Station Number	Station	FEBRUARY 1971							
		2	6	10	14	18	22	26	30
	SUISUN BAY								
EO B 803.5 213.3	CARQUINEZ STRAIT AT CROCKETT	4,180	5,170		5,330 d	4,240	7,710	5,920	
EO B 801.9 207.8	CARQUINEZ STRAIT AT MARTINEZ	425 ad	2,750	1,440	3,740	2,190 cd	3,500 a	2,190 a	
EO B 803.4 202.3	SUISUN BAY AT PORT CHICAGO	123	32 d	27 abd	5,554	1,280		372 bd	
EO B 803.0 159.0	SUISUN BAY AT NICHOLS						2,390	223	
B9 D 802.3 153.0	SACRAMENTO RIVER AT PITTSBURG		24		25	27		22	
	SACRAMENTO RIVER DELTA								
B9 D 804.4 151.0	SACRAMENTO RIVER AT COLLINSVILLE								
B9 D 804.6 145.2	SACRAMENTO RIVER BELOW EMMATON	7	7	19	10	9	12	17 bd	
B9 D 806.4 142.0	THREE MILE SLOUGH AT SACRAMENTO RIVER	5	8	7	8	8	10	11	
B9 D 809.6 141.1	SACRAMENTO RIVER AT RIO VISTA BRIDGE	7	6	6	6	6	9	10	
B9 D 810.3 135.6	SACRAMENTO RIVER AT ISLETON BRIDGE	4	4	4	4	4	6	6	
	SAN JOAQUIN RIVER DELTA								
B9 D 801.1 148.1	SAN JOAQUIN RIVER AT ANTIOCH	26	27	27	28	27	24 d	30	
B9 D 801.7 145.0	SAN JOAQUIN RIVER AT ANTIOCH BRIDGE								
B9 D 802.6 141.5	SAN JOAQUIN RIVER AT JERSEY ISLAND		26					23	
B9 D 805.2 141.1	THREE MILE SLOUGH AT SAN JOAQUIN RIVER	13 d	18	20	13 bd	21	21	15 ad	
B9 D 803.5 140.0	FALSE RIVER AT BRADFORD ISLAND	22	24 d	34 d	24	24	25	21 d	
B9 D 806.3 135.6	SAN JOAQUIN RIVER AT SAN ANDREAS LANDING								
B9 D 800.7 138.4	DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	68	66	62	63	52	49	39	
B9 D 747.2 118.4	SAN JOAQUIN RIVER AT MOSSDALE BRIDGE		59 a	62 a	64	54	68 a	68 a	

Station Number	Station	MARCH 1971							
		2	6	10	14	18	22	26	30
	SUISUN BAY								
EO B 803.5 213.3	CARQUINEZ STRAIT AT CROCKETT	6,560		9,150	7,440 d	5,960	7,340	9,230	
EO B 801.9 207.8	CARQUINEZ STRAIT AT MARTINEZ	1,820 a	2,130	5,880	5,160		6,070 a	2,940	2,810
EO B 803.4 202.3	SUISUN BAY AT PORT CHICAGO	169 a	1,260 abd	2,560	2,080	61 a	2,260		78
EO B 803.0 159.0	SUISUN BAY AT NICHOLS	982	1,790		1,460	274	1,870	1,050	51
B9 D 802.3 153.0	SACRAMENTO RIVER AT PITTSBURG								
	SACRAMENTO RIVER DELTA								
B9 D 804.4 151.0	SACRAMENTO RIVER AT COLLINSVILLE								
B9 D 804.6 145.2	SACRAMENTO RIVER BELOW EMMATON	16	19	19	34 d	4	10	6 a	5
B9 D 806.4 142.0	THREE MILE SLOUGH AT SACRAMENTO RIVER	30	11	11	8	5	9	5 a	3
B9 D 809.6 141.1	SACRAMENTO RIVER AT RIO VISTA BRIDGE	10	10	8	7	6	4	6	2
B9 D 810.3 135.6	SACRAMENTO RIVER AT ISLETON BRIDGE	6 d	6	6	6	3	4	5	2
	SAN JOAQUIN RIVER DELTA								
B9 D 801.1 148.1	SAN JOAQUIN RIVER AT ANTIOCH	32	27	30	37	28	18	19 a	14
B9 D 801.7 145.0	SAN JOAQUIN RIVER AT ANTIOCH BRIDGE					25	18	18 a	15
B9 D 802.6 141.5	SAN JOAQUIN RIVER AT JERSEY ISLAND	27 bd	25			19			
B9 D 805.2 141.1	THREE MILE SLOUGH AT SAN JOAQUIN RIVER		13	2	10 bd	10			9
B9 D 803.5 140.0	FALSE RIVER AT BRADFORD ISLAND	16	19	17	14		11	11	11
B9 D 806.3 135.6	SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	6	4	6	6 ed	4	6		4 bd
B9 D 800.7 138.4	DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	31	33	28	32	27	23	23 a	24
B9 D 747.2 118.4	SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	89	92 a	98 a	84	24	101 a	79	83

*Samples taken at four-day intervals approximately one and one-half hours after high high tide.

a Taken after low high tide.

b Taken on following day.

c Taken two days later.

d Taken over one hour off schedule time.

e Taken on preceding day.

f Taken two days earlier.

TABLE D-9 (Cont.)

SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS *

(Chlorides in Milligrams per Liter)

Station Number	Station	APRIL 1971							
		2	6	10	14	18	22	26	30
	SUISUN BAY								
EO B 803.5 213.3	CARQUINEZ STRAIT AT CROCKETT	2,790		6,040	5,530 de	2,880	6,220	8,980	3,500
EO B 801.9 207.8	CARQUINEZ STRAIT AT MARTINEZ	635 ae	2,430 a	1,080 a	3,280	30	3,910	4,490	3,080
EO B 803.4 202.3	SUISUN BAY AT PORT CHICAGO	16	111 a	336	68 a	70	221 a		595 a
EO B 803.0 159.0	SUISUN BAY AT NICHOLS	11	15	15	396	14	43	1,660 d	371
B9 D 802.3 153.0	SACRAMENTO RIVER AT PITTSBURG			10 a			10 a		
	SACRAMENTO RIVER DELTA								
B9 D 804.4 151.0	SACRAMENTO RIVER AT COLLINSVILLE								
B9 D 804.6 145.2	SACRAMENTO RIVER BELOW EMMATON	4	4 d	7 a	4	5	4 bd	6	6 d
B9 D 806.4 142.0	THREE MILE SLOUGH AT SACRAMENTO RIVER	3	5 a	4 d	4	4	4 a	4	5
B9 D 809.6 141.1	SACRAMENTO RIVER AT RIO VISTA BRIDGE		2	3	4	3 de	4	5	5
B9 D 810.3 135.6	SACRAMENTO RIVER AT ISLETON BRIDGE	2	3	2	3	3	4	4	3
	SAN JOAQUIN RIVER DELTA								
B9 D 801.1 148.1	SAN JOAQUIN RIVER AT ANTIOCH	12	11 a	14 a	11	11	12 a	10 a	13
B9 D 801.7 145.0	SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	11	11	12	11		12	6	11
B9 D 802.6 141.5	SAN JOAQUIN RIVER AT JERSEY ISLAND								
B9 D 805.2 141.1	THREE MILE SLOUGH AT SAN JOAQUIN RIVER	7 d	7 abd	6 d	6 d	7	6 a	6 bd	
B9 D 803.5 140.0	FALSE RIVER AT BRADFORD ISLAND	10	8 a	8 d	11	7	7 a	11	
B9 D 806.3 135.6	SAN JOAQUIN RIVER AT SAN ANDREAS LANDING						4 a	4	
B9 D 800.7 138.4	DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	20	18 a	16	20	12	13 a	53	12
B9 D 747.2 118.4	SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	111	131	108	145	98	84	134	154

Station Number	Station	MAY 1971							
		2	6	10	14	18	22	26	30
	SUISUN BAY								
EO B 803.5 213.3	CARQUINEZ STRAIT AT CROCKETT		7,270	7,150	5,870	6,230 e	8,760	8,570	6,630
EO B 801.9 207.8	CARQUINEZ STRAIT AT MARTINEZ	3,470 e	4,670 a	5,490	1,040 a	2,190 a	4,590	3,320	4,800
EO B 803.4 202.3	SUISUN BAY AT PORT CHICAGO	377 e	2,730	280 d	897	638 e	2,850	2,600	1,150 bd
EO B 803.0 159.0	SUISUN BAY AT NICHOLS	251 e	2,670	1,680	518	20 e	325	1,960	172
B9 D 802.3 153.0	SACRAMENTO RIVER AT PITTSBURG		16 a						
	SACRAMENTO RIVER DELTA								
B9 D 804.4 151.0	SACRAMENTO RIVER AT COLLINSVILLE								
B9 D 804.6 145.2	SACRAMENTO RIVER BELOW EMMATON	1 ad	6 ad	7	7	6 ad	6 a	15	9 a
B9 D 806.4 142.0	THREE MILE SLOUGH AT SACRAMENTO RIVER	6	6 a	6 d	14	6 a	6 a	8	7 a
B9 D 809.6 141.1	SACRAMENTO RIVER AT RIO VISTA BRIDGE	5	6	7	6	8	6	12	
B9 D 810.3 135.6	SACRAMENTO RIVER AT ISLETON BRIDGE	3	6	4	4	4	4	5	5 bd
	SAN JOAQUIN RIVER DELTA								
B9 D 801.1 148.1	SAN JOAQUIN RIVER AT ANTIOCH	10 a	16 a	18 a	12 bd	13 a	14 a	18	15 bd
B9 D 801.7 145.0	SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	10	14	15	13	14	13		
B9 D 802.6 141.5	SAN JOAQUIN RIVER AT JERSEY ISLAND				15				
B9 D 805.2 141.1	THREE MILE SLOUGH AT SAN JOAQUIN RIVER	8	6 a	8 a	4	9 a	6 a	7	7 bd
B9 D 803.5 140.0	FALSE RIVER AT BRADFORD ISLAND	12 a	7 a	9	9	8 ad	8 d	28 d	8 d
B9 D 806.3 135.6	SAN JOAQUIN RIVER AT SAN ANDREAS LANDING								
B9 D 800.7 138.4	DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	16 a	16 a	14	14	14 a	14 a	11	13 a
B9 D 747.2 118.4	SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	140	124	94	129	86	124 bd	144	108 a

Station Number	Station	JUNE 1971							
		2	6	10	14	18	22	26	30
	SUISUN BAY								
EO B 803.5 213.3	CARQUINEZ STRAIT AT CROCKETT	5,920 e	6,520	7,880	5,410		8,640		7,510
EO B 801.9 207.8	CARQUINEZ STRAIT AT MARTINEZ	2,410 a	2,390 a	5,380	1,540	6,460 df		6,070	2,540 a
EO B 803.4 202.3	SUISUN BAY AT PORT CHICAGO	4,350	1,910	376 a					
EO B 803.0 159.0	SUISUN BAY AT NICHOLS	1,570 de	1,940	1,490	224	1,450	1,440	1,550	
B9 D 802.3 153.0	SACRAMENTO RIVER AT PITTSBURG								
	SACRAMENTO RIVER DELTA								
B9 D 804.4 151.0	SACRAMENTO RIVER AT COLLINSVILLE								
B9 D 804.6 145.2	SACRAMENTO RIVER BELOW EMMATON	7 a	6 ad	7 d	6 bd	7 ad	8 a	15	8 a
B9 D 806.4 142.0	THREE MILE SLOUGH AT SACRAMENTO RIVER	7 a	6 a	6	4 a	3 a	6	7	5 a
B9 D 809.6 141.1	SACRAMENTO RIVER AT RIO VISTA BRIDGE								
B9 D 810.3 135.6	SACRAMENTO RIVER AT ISLETON BRIDGE	4	4	3	3 b	4 d	4	4	
	SAN JOAQUIN RIVER DELTA								
B9 D 801.1 148.1	SAN JOAQUIN RIVER AT ANTIOCH	16 a	13 a	12 a	13 a	17 a	19 a	35 a	
B9 D 801.7 145.0	SAN JOAQUIN RIVER AT ANTIOCH BRIDGE								
B9 D 802.6 141.5	SAN JOAQUIN RIVER AT JERSEY ISLAND				8 a	7 a			
B9 D 805.2 141.1	THREE MILE SLOUGH AT SAN JOAQUIN RIVER	6 bd	6 ad	11	6 a	6 a	6 a	6	1 a
B9 D 803.5 140.0	FALSE RIVER AT BRADFORD ISLAND	8 a	7 a	8	7 a	6 a		9	6 a
B9 D 806.3 135.6	SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	5 a							
B9 D 800.7 138.4	DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	14 a	13	10	12 b	11 a	12 a	10	15 a
B9 D 747.2 118.4	SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	112	126	76	394 a		61	90	

*Samples taken at four-day intervals approximately one and one-half hours after high high tide.

a Taken after low high tide.

b Taken on following day.

c Taken two days later.

d Taken over one hour off schedule time.

e Taken on preceding day.

f Taken two days earlier

TABLE D-10

MAXIMUM OBSERVED SALINITY AT BAY AND DELTA STATIONS FOR SELECTED YEARS

Chlorides in Milligrams per Liter (a)

Station Number	Station	Years										
		1931	1939	1944 b	1952	1958	1964	1967	1968	1969	1970	1971 c
	Sacramento-San Joaquin System Unimpaired Runoff in Percent of Average (d)	34	49	64	169	168	62	151	73	172	131	119e
	SUISUN BAY											
EO B 803.5 213.3	CARQUINEZ STRAIT AT CROCKETT				13,200	11,900	14,600	13,900	14,800	13,200	14,300	9,950
EO B 801.9 207.8	CARQUINEZ STRAIT AT MARTINEZ	16,900	16,400		8,900	7,150	12,900	11,000	12,600	11,100	11,700	8,170
EO B 803.4 202.3	SUISUN BAY AT PORT CHICAGO				6,900	5,830	11,200	7,840	10,700	8,100	9,260	5,554
EO B 803.0 159.0	SUISUN BAY AT NICHOLS						10,100	6,420	9,730	7,960	7,390	5,280
B9 D 802.3 153.0	SACRAMENTO RIVER AT PITTSBURG				1,200	1,200	3,280	2,120	2,820	1,640	1,270	229
	SACRAMENTO RIVER DELTA											
B9 D 804.4 141.0	SACRAMENTO RIVER AT COLLINSVILLE	12,600	10,400	4,700	783	550	3,730	1,440	3,820	2,030	192	
B9 D 804.6 145.2	SACRAMENTO RIVER BELOW EMMATON					29	1,470	293	1,540	569	628	62
B9 D 806.4 142.0	THREE MILE SLOUGH AT SACRAMENTO RIVER	8,600	5,900	1,610	175	18	459	57	660	143	234	30
B9 D 809.6 141.1	SACRAMENTO RIVER AT RIO VISTA BRIDGE	7,400	4,050	550	175	17	690	28	198	40	73	12
B9 D 810.3 135.6	SACRAMENTO RIVER AT ISLETON BRIDGE	6,350	2,500	50	125	14	20	13	14	11	12	6
	SAN JOAQUIN RIVER DELTA											
B9 D 801.1 148.1	SAN JOAQUIN RIVER AT ANTIOCH	12,400	9,200	4,000	354	184	2,500	654	2,730	1,580	944	111
B9 D 801.7 145.0	SAN JOAQUIN RIVER AT ANTIOCH BRIDGE					122	892	520	2,320	1,120	1,080	25
B9 D 802.6 141.5	SAN JOAQUIN RIVER AT JERSEY ISLAND					52	863	144	1,210	495	540	34
B9 D 805.2 141.1	THREE MILE SLOUGH AT SAN JOAQUIN RIVER					45	262	33	291	96	96	21
B9 D 803.5 140.0	FALSE RIVER AT BRADFORD ISLAND							47	898	191	209	34
B9 D 806.3 135.6	SAN JOAQUIN RIVER AT SAN ANDREAS LANDING						72	35	164	40	22	10
B9 D 800.7 138.4	DUTCH SLOUGH AT BETHEL ISLAND BRIDGE	5,100	2,250	690	88	110	434	103	409	131	175	78
B9 D 747.2 118.4	SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	120	160	130	122	219	318	181	246	168	168	394

a Ocean water contains approximately 19,000 milligrams per liter of chloride.

b Releases of stored water from Shasta Lake commenced in 1944.

c Period of record from October 2, 1970, through June 30, 1971.

d Average taken as mean annual unimpaired flow at foothill stations of major tributaries for 50-year period, October 1920 through September 1970, and does not include runoff from minor tributaries and from valley floor.

e Preliminary data subject to revision.

Appendix E

GROUND WATER QUALITY

INTRODUCTION

This appendix presents ground water quality data collected during the period from October 1, 1970, through September 30, 1971. 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 1971 water year, 484 wells were sampled in 28 ground water basins and subbasins or subareas.

At the time of field sampling, pH and temperature measurements are normally made. Comments on current conditions are noted in field books which are available in the files of the Department of Water Resources.

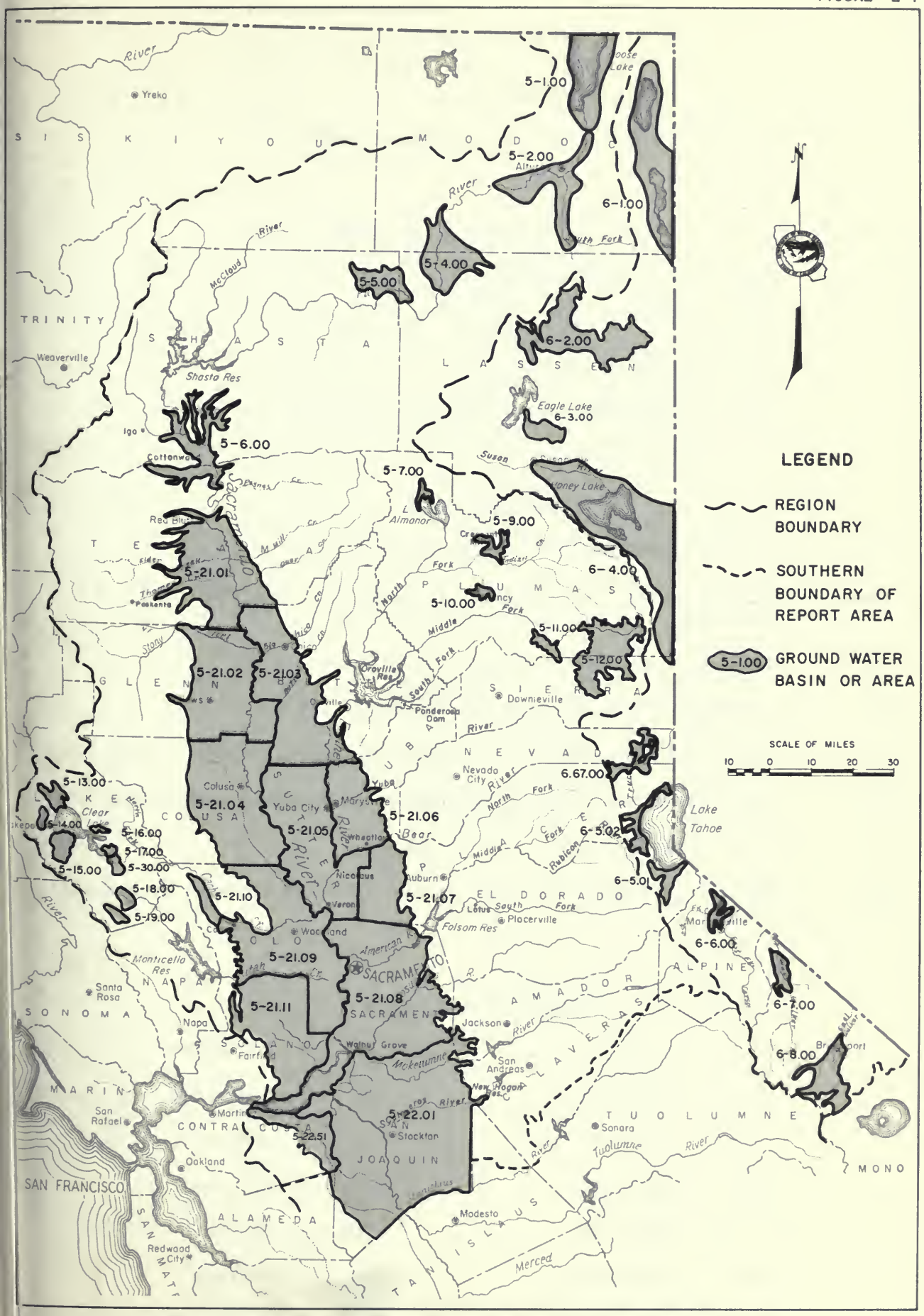
Laboratory analyses of ground waters were performed in accordance with "Standard Methods for the Examination of Water and Wastewater", 13th Edition.

The Region and Basin and State Well Numbering Systems are described in Appendix C, "Ground Water Measurements", on page 219.

INDEX TO GROUND WATER QUALITY DATA
IN NORTHEASTERN CALIFORNIA

Number	Name	Page
	CENTRAL VALLEY REGION 5-00.00	
5- 1.00	Goose Lake Valley	431
5- 2.00	Alturas Basin	431
5- 4.00	Big Valley	431, 454
5- 5.00	Fall River Valley	432
5- 6.00	Redding Basin	432
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	433, 454
5-14.00	Scott Valley	434
5-15.00	Kelseyville Valley	434, 454
5-16.00	High Valley	435
5-17.00	Burns Valley	435
5-30.00	Lower Lake Area	435
5-18.00	Coyote Valley	
5-19.00	Collayomi Valley	
5-21.00	Sacramento Valley	
5-21.01	Tehama County	436
5-21.02	Glenn County	438
5-21.03	Butte County	440, 454
5-21.04	Colusa County	441, 454
5-21.05	Sutter County	443
5-21.06	Yuba County	443
5-21.07	Placer County	444, 454
5-21.08	Sacramento County	444, 454
5-21.09	Yolo County	446
5-21.10	Capay Valley	
5-21.11	Solano County	447
5-22.00	San Joaquin Valley	
5-22.01	San Joaquin County	447, 455
5-22.51	East Contra Costa Area	
5-80.00	Miscellaneous Area	449, 455
	LAHONTAN REGION 6-00.00	
6- 1.00	Surprise Valley	449
6- 2.00	Madeline Plains	451
6- 3.00	Willow Creek Valley	451
6- 4.00	Honey Lake Valley	452, 455
6-67.00	Truckee Valley	
6- 5.00	Tahoe Valley	
6- 5.01	South Tahoe Valley	453
6- 5.02	North Tahoe Valley	
6- 6.00	Carson Valley	
6- 7.00	Topaz Valley	
6- 8.00	Bridgeport Valley	

FIGURE E-1



GROUND WATER BASINS IN NORTHEASTERN CALIFORNIA

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

Lab and Sampler Agency Codes

5000 - U. S. Geological Survey

5050 - Department of Water Resources

5210 - City of Sacramento

5701 - California Water Service Company

Abbreviations

Time - Pacific Standard Time on a 24-hour clock

Temp - Water temperature in degrees Fahrenheit at the time of field sampling

pH - Measure of acidity or alkalinity of water

EC - Electrical conductance in micromhos at 25° C

TDS - Gravimetric determination of total dissolved solids at 180° C

SUM - Total dissolved solids my summation of analyzed constituents

TH - Total hardness

NCH - Noncarbonate hardness - any excess of total hardness over total alkalinity

Mineral Constituents

B	-	Boron	K	-	Potassium
Ca	-	Calcium	Mg	-	Magnesium
Cl	-	Chloride	Na	-	Sodium
CO_3	-	Carbonate	NO_3	-	Nitrate
F	-	Fluoride	SiO_2	-	Silica
HCO_3	-	Bicarbonate	SO_4	-	Sulfate

TABLE E-1 (Cont.)

MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in Milligrams per Liter Milliequivalents per Liter Percent Reactance Value Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter F	B	SiO_2	TDS SUM	TH NCH
CENTRAL VALLEY REGION 5-00.00																	
GOOSE LAKE VALLEY 5-01.00																	
44N/13E-36A01 M 7-27-71 -- 0740 5050	67	--- 8.1	--- 190														
44N/14E-07K01 M 7-27-71 -- 0830 5050	54	--- 7.1	--- 485														
45N/13E-12L01M 7-27-71 5050 0945 5050	70	8.2 7.6	319 330					0	175 2.87		6.5 0.18	0.6 0.01					46 0
45N/14E-32L01 M 7-27-71 -- 0910 5050	60	--- 7.1	--- 260														
46N/14E-32J01 M 7-27-71 -- 1120 5050	65	--- 7.0	--- 170														
47N/14E-02H01 M 7-27-71 -- 1220 5050	61	--- 8.1	--- 445														
47N/14E-14B02 M 7-27-71 -- 1230 5050	62	--- 6.5	--- 185														
48N/14E-23K01 M 7-27-71 -- 1200 5050	54	--- 6.9	--- 215														
ALTURAS BASIN 5-02.00																	
39N/13E-06N01 M 7-27-71 -- 1350 5050	77	--- 7.4	--- 255														
40N/12E-11F01 M 7-27-71 -- 1430 5050	77	--- 8.0	--- 162														
40N/12E-25J01 M 7-27-71 5050 1415 5050	64	8.3 7.3	373 390	12 0.60 15	5.1 0.42 10	63 2.74 69	9.2 0.24 6	0	186 3.05 80	22 0.46 12	11 0.31 8	0.8 0.01 0		0.0		285	51 0
41N/11E-02J01 M 7-28-71 5050 0955 5050	70	8.2 8.0	240 238	12 0.60 24	1.7 0.14 6	31 1.35 54	16 0.41 16	0	126 2.06 88	5.9 0.12 5	4.6 0.13 6	1.9 0.03 1		0.0		191	37 0
41N/12E-15H01 M 7-27-71 5050 1530 5050	70	8.1 7.3	263 270	17 0.85 32	2.3 0.19 7	32 1.39 53	7.8 0.20 8	0	126 2.07 78	6.6 0.14 5	8.1 0.23 9	13 0.21 8		0.0		228	52 0
41N/13E-18P01 M 7-27-71 -- 1550 5050	66	--- 7.2	--- 890														
42N/11E-19E01 M 7-27-71 -- 1040 5050	62	--- 7.9	--- 455														
42N/11E-24A01 M 7-28-71 -- 1015 5050	66	--- 7.1	--- 215														
42N/12E-11J01 M 7-28-71 -- 0930 5050	64	--- 7.4	--- 370														
42N/13E-31G01 M 7-28-71 -- 0855 5050	61	--- 7.3	--- 570														
42N/13E-32G01 M 7-28-71 -- 0900 5050	63	--- 7.4	--- 355														
BIG VALLEY 5-04.00																	
37N/07E-02D01 M 7-28-71 -- 1300 5050	67	--- 7.3	--- 210														

TABLE E-1 (Cont.)

MINERAL ANALYSES OF GROUND WATER

State Well Number / Date / Time	Lab / Sampler	Temp.	pH Lab / Field	EC Lab / Field	Mineral Constituents in Milligrams per Liter / Milliequivalents per Liter / Percent Reactance Value: Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter: F	B	SiO_2	TDS SUM	TH NCH
BIG VALLEY 5-04.00 (Continued)																		
37N/07E-13B01 M		59	7.8	267	15	10	23	4.6	0	126	2.3	7.7	18		0.0		203	79
7-28-71	5050		7.2	280	0.75	0.83	1.00	0.12		2.07	0.05	0.22	0.29					0
1345	5050				28	31	37	4		79	2	8	11					
38N/07E-02P01 M		69	7.6	521	30	19	48	11	0	238	8.4	38	7.8		0.1		342	154
7-28-71	5050		7.1	540	1.50	1.58	2.09	0.28		3.90	0.17	1.07	0.13					0
1230	5050				28	29	38	5		74	3	20	3					
38N/07E-23D01 M		68	7.5	273	18	9.2	27	2.7	0	148	5.4	7.6	3.3		0.0		208	83
7-28-71	5050		7.1	290	0.90	0.76	1.17	0.07		2.43	0.11	0.21	0.05					0
1240	5050				31	26	41	2		87	4	7	2					
38N/07E-28N09 M		62	7.3	179					0	105		2.0						54
7-28-71	5050		7.1	200						1.72		0.06						0
1320	5050																	
38N/08E-17K01 M		63	7.9	222					0	135		2.1						80
7-28-71	5050		7.3	240						2.21		0.06						0
1430	5050																	
38N/08E-30R01 M		59	8.2	904	65	53	26	6.6	0	154	44	70	222		0.0		636	380
7-28-71	5050		7.1	960	3.24	4.35	1.13	0.17		2.52	0.92	1.97	3.58					254
1410	5050				36	49	13	2		28	10	22	40					
38N/09E-21L01 M		70	---	---														
7-28-71	--		7.3	345														
1500	5050																	
39N/07E-13Q01 M		62	---	---														
7-27-71	--		7.0	222														
1210	5050																	
39N/08E-23A01 M		63	---	---														
7-28-71	--		7.1	200														
1145	5050																	
39N/08E-26J02 M		59	---	---														
7-29-71	--		7.0	270														
0740	5050																	
39N/09E-28F20 M		71	8.1	195			19		0	118								84
7-28-71	5050		7.3	200			0.83			1.93								0
1610	5050						33											
FALL RIVER VALLEY 5-05.00																		
37N/05E-19P02 M		62	7.2	464	20	16	56	5.4	0	269	0.0	3.3	1.3		0.2		329	117
7-29-71	5050		7.1	505	1.00	1.33	2.44	0.14		4.41		0.09	0.02					0
1120	5050				20	27	50	3		98		2	0					
37N/05E-24F01 M		61	8.1	228	16	6.8	23	2.1	0	126	0.8	1.4	10		0.0		155	68
7-29-71	5050		8.0	228	0.80	0.56	1.00	0.05		2.07	0.02	0.04	0.16					0
1025	5050				33	23	42	2		90	1	2	7					
37N/06E-19L01 M		60	---	---														
7-29-71	--		7.7	218														
1015	5050																	
38N/03E-24F01 M		59	7.9	149					0	97		1.6						72
7-29-71	5050		7.1	158						1.59		0.04						0
1310	5050																	
38N/04E-27Q01 M		57	---	---														
7-29-71	--		7.9	185														
1200	5050																	
38N/04E-30H01 M		54	7.8	229			13		0	134		4.4						98
7-29-71	5050		6.8	255			0.56			2.20		0.12						0
1235	5050						22											
38N/06E-31D01 M		62	---	---														
7-29-71	--		7.9	185														
0900	5050																	
REDDING BASIN 5-06.00																		
29N/03W-05G02 M		65	---	---														
6-15-71	--		5.9	132														
1220	5050																	
29N/04W-04R03 M		73	---	---														
6-15-71	--		6.3	318														
1150	5050																	
29N/04W-11G04 M		68	---	---														
6-15-71	--		7.1	185														
1110	5050																	

TABLE E-1 (Cont.)

MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in Milligrams per Liter Milliequivalents per Liter Percent Reactance Value Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter F	B	SiO_2	TDS SUM	TH NCH
REDDING BASIN 5-06.00 (Continued)																	
30N/03W-04M01 M 6-16-71 -- 1400 5050	68	--- 6.8	--- 193														
30N/03W-18F02 M 6-15-71 -- 1415 5050	71	--- 5.9	--- 245														
30N/03W-34D01 M 6-15-71 -- 1445 5050	63	--- 6.3	--- 345														
30N/04W-01E01 M 6-17-71 -- 0915 5050	66	--- 7.1	--- 150														
30N/04W-08R01 M 6-16-71 -- 0830 5050	71	--- 7.0	--- 132														
30N/04W-15M03 M 6-15-71 5050 1430 5050	67	7.7 6.8	277 285	20 1.00 34	17 1.38 47	12 0.52 18	1.4 0.04 1	0	149 2.44 83	11 0.22 7	7.3 0.21 7	4.8 0.08 3		0.0		190	119 0
30N/04W-35R01 M 6-15-71 -- 1045 5050	70	--- 7.0	--- 185														
30N/04W-36D01 M 6-15-71 -- 1120 5050	67	--- 7.1	--- 173														
31N/03W-05J01 M 6-16-71 -- 1145 5050	70	--- 6.3	--- 208														
31N/03W-10D02 M 6-16-71 -- 1300 5050	73	--- 6.5	--- 180														
31N/03W-12E01 M 6-16-71 -- 1310 5050	68	--- 6.3	--- 200														
31N/04W-12A01 M 6-17-71 -- 1255 5050	87	--- 7.3	--- 372														
31N/04W-15B01 M 6-17-71 -- 1110 5050	68	--- 7.0	--- 222														
31N/04W-15D03 M 6-17-71 -- 1050 5050	67	--- 7.1	--- 185														
31N/04W-16Q01 M 6-17-70 5050 1030 5050	63	7.5 6.9	147 152					0	79 1.29		4.6 0.13						53 0
31N/04W-20J01 M 6-17-71 -- 0935 5050	70	--- 6.5	--- 225														
31N/05W-25K01 M 6-16-71 -- 0910 5050	64	--- 7.4	--- 280														
32N/03W-07N01 M 6-16-71 -- 1050 5050	75	--- 6.3	--- 135														
32N/03W-32J02 M 6-16-71 -- 1130 5050	70	--- 7.1	--- 350														
32N/05W-26M01 M 6-16-71 5050 0945 5050	67	8.2 7.0	237 235			17 0.74 31		0	107 1.75		5.8 0.16						83 0
UPPER LAKE VALLEY 5-13.00																	
14N/09W-06F02 M 6-10-71 -- 1415 5050	63	--- 5.5	--- 50														
15N/09W-06F01 M 6-10-71 -- 1130 5050	67	--- 6.3	--- 198														

TABLE E-1 (Cont.)

MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in Milligrams per Liter Milliequivalents per Liter Percent Reactance Value Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter F	B	SiO_2	TDS SUM	TH NCH
UPPER LAKE VALLEY 5-13.00 (Continued)																	
15N/09W-06Q01 M	63	7.8	279	30	15	7.3	0.8	0	176	1.6	3.5	1.4		0.1		151	135
6-10-71 5050		7.2	290	1.50	1.20	0.32	0.02		2.88	0.03	0.10	0.02					0
1020 5050				49	40	10	1		95	1	3	1					
15N/09W-07B01 M	61	---	---														
6-10-71 --		6.1	360														
0930 5050																	
15N/09W-17P01 M	63	8.0	419	24	41	4.6	0.3	0	274	4.1	5.2	1.3		0.1		230	228
6-10-71 5050		7.0	435	1.20	3.36	0.20	0.01		4.49	0.09	0.15	0.02					4
1245 5050				25	71	4	0		95	2	3	0					
15N/09W-27E01 M	66	---	---														
6-10-71 --		7.2	540														
1310 5050																	
15N/09W-31P01 M	65	---	---														
6-10-71 --		6.1	185														
1400 5050																	
15N/10W-03C01 M	60	---	---														
6-10-71 --		7.0	380														
0810 5050																	
15N/10W-13A01 M	61	---	---														
6-10-71 --		6.9	230														
0910 5050																	
15N/10W-13A02 M	61	---	---														
6-10-71 --		7.2	205														
0900 5050																	
16N/09W-31L03 M	63	---	---														
6-10-71 --		6.3	180														
1210 5050																	
SCOTT VALLEY 5-14.00																	
14N/10W-03F01 M	67	7.8	366			19		0	231		6.6						159
6-09-71 5050		7.1	382			0.83			3.79		0.19						0
1635 5050						21											
14N/10W-10P01 M	60	7.7	301			9.3		0	184		6.0						145
6-09-71 5050		7.0	315			0.40			3.02		0.17						0
1510 5050						12											
14N/10W-10Q02 M	60	8.2	335	34	15	10	1.0	0	189	8.4	5.1	0.4		0.2		173	148
6-09-71 5050		7.0	330	1.70	1.26	0.43	0.03		3.10	0.17	0.14	0.01					0
1605 5050				50	37	12	1		91	5	4	0					
14N/10W-14E03 M	64	---	---														
6-09-71 --		6.5	222														
1440 5050																	
14N/10W-15A01 M	57	8.3	328	35	15	9.1	1.0	0	153	28	6.2	7.8		0.2		190	150
6-09-71 5050		7.3	342	1.75	1.25	0.40	0.03		2.51	0.58	0.17	0.13					25
1520 5050				51	36	12	1		74	17	5	4					
KELSEYVILLE VALLEY 5-15.00																	
13N/09W-03C01 M	59	8.1	535	29	51	7.8	1.4	0	288	32	9.0	19		0.1		330	282
6-10-71 5050		6.9	555	1.45	4.18	0.34	0.04		4.72	0.67	0.25	0.30					46
1500 5050				24	69	6	1		80	11	4	5					
13N/09W-05D03 M	66	7.6	552	21	54	16	1.4		367	1.2	7.2	0.0		0.5		322	277
6-08-71 5050		6.3	580	1.05	4.48	0.70	0.04		6.02	0.02	0.20						0
1530 5050				17	71	11	1		97	0	3						
13N/09W-08N02 M	59	---	---														
6-09-71 --		6.3	225														
0805 5050																	
13N/09W-09F02 M	72	---	---														
6-09-71 --		6.5	755														
1315 5050																	
13N/09W-12M01 M	64	---	---														
6-09-71 --		7.1	465														
1350 5050																	
13N/09W-16D03 M	61	---	---														
6-09-71 --		6.5	445														
0920 5050																	
13N/09W-17A01 M	67	7.6	985	38	111	25	2.0	0	704	0.2	11	12		0.9		560	555
6-09-71 5050		6.5	995	1.90	9.19	1.09	0.05		11.54	0.00	0.31	0.19					0
0830 5050				16	75	9	0		96		2	2					

TABLE E-1 (Cont.)

MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in Milligrams per Liter Milliequivalents per Liter Percent Reactance Value Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter F	B	SiO_2	TDS SUM	TH NCH
KELSEYVILLE VALLEY 5-15.00 (Continued)																	
13N/09W-18J01 M	66	7.7	360	28	18	23	0.9	0	201	0.3	15	4.1		0.5		238	144
6-09-71 5050		7.1	355	1.40	1.48	1.00	0.02		3.29	0.01	0.42	0.07					0
0755 5050				36	38	25	1		87	0	11	2					
13N/09W-21F02 M	74	---	---														
6-09-71 --		6.3	655														
1015 5050																	
13N/09W-22C03 M	64	---	---														
6-09-71 --		7.2	590														
1245 5050																	
13N/09W-22J01 M	60	8.3	470	14	52	9.8	1.7	0	283	15	12	5.5		0.0		288	248
6-09-71 5050		7.1	490	0.70	4.26	0.43	0.04		4.64	0.31	0.34	0.09					16
1300 5050				13	78	8	1		86	6	6	2					
14N/09W-32J01 M	61	7.7	822	65	71	17	0.9	0	510	38	25	2.5		0.2		477	453
6-08-71 5050		6.5	900	3.24	5.81	0.74	0.02		8.36	0.79	0.71	0.04					35
1510 5050				33	59	8	0		85	8	7	0					
14N/09W-32J03 M	63	7.5	552			13		0	370		8.0						288
6-08-71 5050		6.3	582			0.56			6.06		0.22						0
1515 5050						9											
HIGH VALLEY 5-16.00																	
14N/08W-23K01 M	57	---	---														
6-11-71 --		6.3	322														
0820 5050																	
14N/08W-24B02 M	66	---	---														
6-11-71 --		6.1	840														
0900 5050																	
BURNS VALLEY 5-17.00																	
13N/07W-15J02 M	65	---	---														
6-08-71 --		7.1	405														
0755 5050																	
13N/07W-15N01 M	63	---	---														
6-08-71 --		6.3	215														
1005 5050																	
13N/07W-21J02 M	64	---	---														
6-08-71 --		7.0	595														
0930 5050																	
13N/07W-21L01 M	71	6.9	768	84	37	32	2.3	0	481	0.5	28	0.0		0.7		459	364
6-08-71 5050		5.6	845	4.19	3.08	1.39	0.06		7.88	0.01	0.79						0
0950 5050				48	35	16	1		91	0	9						
13N/07W-22B03 M	63	7.8	472	34	24	29	1.3	0	220	19	18	22		0.3		308	184
6-08-71 5050		6.5	465	1.70	1.98	1.26	0.03		3.61	0.40	0.51	0.35					4
0815 5050				34	40	25	1		74	8	11	7					
13N/07W-27C01 M	72	---	---														
6-08-71 --		7.3	315														
1040 5050																	
LOWER LAKE AREA 5-30.00																	
12N/07W-01F01 M	63	---	---														
6-08-71 --		6.3	205														
1210 5050																	
12N/07W-01M02 M	62	---	---														
6-08-71 --		6.5	345														
1150 5050																	
12N/07W-02P03 M	64	7.9	915	85	53	44	1.8	0	362	158	48	1.9		1.1		638	432
6-08-71 5050		6.9	965	4.24	4.39	1.91	0.05		5.93	3.30	1.35	0.03					135
1110 5050				40	41	18	1		56	31	13	0					
12N/07W-13N01 M	59	7.7	745	45	31	70	0.4	0	325	62	32	7.6		0.3		399	241
6-08-71 5050		6.3	700	2.25	2.57	3.04	0.01		5.32	1.30	0.90	0.12					0
1240 5050				28	33	39	0		69	17	12	2					
12N/07W-14C02 M	71	---	---														
6-08-71 --		6.3	690														
1300 5050																	
12N/07W-14F01 M	64	---	---														
6-08-71 --		7.1	3250														
1320 5050																	

TABLE E-1 (Cont.)

MINERAL ANALYSES OF GROUND WATER

State Well Number / Date / Time	Lab / Sampler	Temp.	pH Lab	pH Field	EC Lab	EC Field	Mineral Constituents in Milligrams per Liter / Milliequivalents per Liter / Percent Reactance Value: Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter: F	B	SiO_2	TDS SUM	TH NCH
SACRAMENTO VALLEY 5-21.00																				
TEHAMA COUNTY 5-21.01																				
23N/02W-04A02 M		62		7.7		365			16		0	201		7.5						164
6-07-71	5050			7.1		385			0.70			3.29		0.21						0
1300	5050								18											
23N/02W-05A01 M		72		---		---														
7-06-71	--			7.7		225														
1245	5050																			
23N/03W-22Q01 M		70		---		---														
7-07-71	--			7.2		295														
1030	5050																			
23N/03W-27N01 M		73		---		---														
7-07-71	--			7.1		380														
0930	5050																			
23N/03W-35B01 M		72		---		---														
7-07-71	--			7.1		220														
1010	5050																			
24N/01W-36A02 M		68		---		---														
6-03-71	--			7.1		200														
1305	5050																			
24N/02W-14K01 M		67		---		---														
7-06-71	--			6.9		445														
1330	5050																			
24N/02W-30C01 M		67		---		---														
7-06-71	--			7.1		520														
1220	5050																			
24N/03W-03P01 M		66		---		---														
7-06-71	--			7.0		330														
1420	5050																			
24N/03W-14M01 M		69		---		---														
7-06-71	--			7.3		257														
1130	5050																			
24N/03W-17M01 M		73		---		---														
7-06-71	--			6.8		205														
1035	5050																			
24N/03W-20N01 M		67		---		---														
7-06-71	--			7.0		170														
1010	5050																			
24N/03W-24P01 M		68		---		---														
7-06-71	--			7.2		640														
1205	5050																			
24N/03W-33M01 M		74		---		---														
7-06-71	--			7.1		132														
0930	5050																			
25N/02W-04M01 M		66		---		---														
7-08-71	--			6.5		277														
0950	5050																			
25N/02W-07K01 M		63		8.0		650	49	44	19	0.8	0	292	35	30	23		0.0		399	302
7-08-71	5050			7.1		615	2.45	3.58	0.83	0.02		4.79	0.73	0.85	0.37					62
0920	5050						36	52	12	0		71	11	13	5					
25N/02W-16F01 M		68		8.0		278			26		0	134		12						84
7-08-71	5050			7.3		270			1.13			2.20		0.34						0
0840	5050								40											
25N/02W-16P01 M		73		7.6		314			17		0	146		14	13					119
7-08-71	5050			6.5		310			0.74			2.39		0.39	0.21					0
0900	5050								24											
25N/03W-03N01 M		68		---		---														
7-07-71	--			7.4		385														
1240	5050																			
25N/03W-22D01 M		69		---		---														
7-07-71	--			7.1		375														
1205	5050																			
25N/03W-31R01 M		64		---		---														
7-06-71	--			7.0		538														
1505	5050																			
25N/03W-36C01 M		79		---		---														
7-06-71	--			7.1		325														
1400	5050																			

TABLE E-1 (Cont.)

MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in Milligrams per Liter Milliequivalents per Liter Percent Reactance Value Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter F	B	SiO_2	TDS SUM	TH NCH
TEHAMA COUNTY 5-21.01 (Continued)																	
26N/02W-15M01 M	68	---	---														
5-27-71 --		7.0	208														
1010 5050																	
26N/02W-28P01 M	62	---	---														
5-27-71 --		7.0	280														
1030 5050																	
26N/03W-01G02 M	74	7.7	593					0	307		31	10					275
7-07-71 5050		7.1	590						5.03		0.87	0.16					23
1400 5050																	
26N/03W-03N01 M	74	---	---														
7-08-71 --		7.1	340														
0800 5050																	
26N/03W-04F01 M	77	---	---														
7-08-71 --		7.3	273														
0745 5050																	
26N/03W-26C01 M	73	---	---														
7-07-71 --		7.0	355														
1315 5050																	
26N/03W-32A02 M	70	---	---														
7-07-71 --		7.2	172														
1255 5050																	
26N/03W-36E02 M	69	---	---														
7-07-71 --		7.7	372														
1330 5050																	
26N/03W-36F01 M	71	8.3	396	25	22	19	1.6	0	202	8.4	13	4.0		0.0		222	154
7-07-71 5050		7.7	375	1.25	1.83	0.83	0.04		3.31	0.17	0.37	0.06					0
1235 5050				32	46	21	1		85	4	9	2					
26N/03W-36K01 M	69	8.3	380	27	23	19	0.8	0	204	9.1	18	4.0		0.0		212	164
7-07-71 5050		7.5	415	1.35	1.93	0.83	0.02		3.34	0.19	0.51	0.06					0
1340 5050				33	47	20	0		82	5	12	1					
26N/04W-10D01 M	71	---	---														
7-08-71 --		7.4	372														
1240 5050																	
27N/02W-30C02 M	62	---	---														
7-08-71 --		6.5	300														
1020 5050																	
27N/03W-10B01 M	75	---	---														
7-08-71 --		7.3	350														
1420 5050																	
27N/03W-10Q01 M	75	---	---											0.1			
7-29-71 5050		7.8	290														
0900 5050																	
27N/03W-15C01 M	68	---	---											0.0			
7-29-71 5050		7.1	365														
0915 5050																	
27N/03W-15N01 M	73	7.3	564	42	26	36	2.7	0	218	6.9	58	20		0.7		338	210
7-08-71 5050		7.1	565	2.10	2.10	1.57	0.07		3.57	0.14	1.64	0.32					32
1440 5050				36	36	27	1		63	2	29	6					
27N/03W-19A01 M	68	---	---														
7-08-71 --		7.3	228														
1310 5050																	
27N/03W-20A01 M	69	---	---														
7-08-71 --		7.5	265														
1345 5050																	
27N/03W-22B01 M	68	7.2	510	20	17	59	1.5	0	133	5.3	78	26		1.1		307	120
7-29-71 5050		7.1	510	1.00	1.40	2.57	0.04		2.18	0.11	2.20	0.42					11
0845 5050				20	28	51	1		44	2	45	9					
27N/03W-23D01 M	64	7.3	586	22	18	70	2.2	0	162	4.9	94	16		1.2		345	131
7-29-71 5050		7.1	590	1.10	1.52	3.04	0.06		2.66	0.10	2.65	0.26					0
0830 5050				19	27	53	1		47	2	47	4					
27N/03W-25D01 M	67	---	---														
7-08-71 --		6.5	410														
1030 5050																	
27N/03W-31A01 M	69	---	---														
7-08-71 --		7.5	260														
1215 5050																	
27N/04W-01H02 M	68	---	---														
5-27-71 --		7.6	258														
1310 5050																	

TABLE E-1 (Cont.)

MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in Milligrams per Liter Milliequivalents per Liter Percent Reactance Value Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter F	B	SiO_2	TDS SUM	TH NCH
TEHAMA COUNTY 5-21.01 (Continued)																	
27N/04W-03J01 M	70	---	---														
7-21-71 --		7.3	215														
1135 5050																	
27N/04W-24C01 M	68	---	---														
5-27-71 --		7.2	295														
1245 5050																	
27N/04W-26J01 M	68	---	---														
5-27-71 --		6.3	330														
1215 5050																	
GLENN COUNTY 5-21.02																	
18N/01W-04F01 M	65	8.1	421	33	21	27	1.6	0	241	6.9	14	3.5		0.1		249	169
7-28-71 5050		7.3	450	1.65	1.73	1.17	0.04		3.95	0.14	0.39	0.06					0
1230 5050				36	38	25	1		87	3	9	1					
18N/01W-16H01 M	79	---	---														
7-28-71 --		7.7	450														
1240 5050																	
18N/02W-01E01 M	66	7.7	700	53	40	56	1.4	0	450	29	6.7	5.5		0.1		437	296
7-14-71 5050		7.5	740	2.64	3.27	2.44	0.04		7.38	0.60	0.19	0.09					0
1045 5050				32	39	29	0		90	7	2	1					
18N/02W-07F01 M	68	8.3	577			50		0	295		9.8						211
7-14-71 5050		7.7	590			2.18			4.84		0.28						0
0955 5050						34											
18N/03W-10K01 M	71	8.0	610	34	24	70	0.6	0	303	47	24	7.5		0.2		355	182
7-14-71 5050		7.7	600	1.70	1.94	3.04	0.02		4.97	0.98	0.68	0.12					0
0935 5050				25	29	46	0		74	14	10	2					
18N/04W-02F01 M	84	8.1	1180	72	47	121	0.6	0	401	13	114	148		0.0		767	374
7-14-71 5050		7.7	1300	3.59	3.88	5.26	0.02		6.57	0.27	3.21	2.38					45
0850 5050				28	31	41	0		53	2	26	19					
19N/01W-07B03 M	67	7.7	299	23	15	19	0.9	0	181	1.0	3.8	2.5		0.1		167	118
7-28-71 5050		7.7	310	1.15	1.21	0.83	0.02		2.97	0.02	0.11	0.04					0
1153 5050				36	38	26	0		95	1	3	1					
19N/02W-06G01 M	68	7.5	278					0	140		11						124
7-14-71 5050		7.2	280						2.29		0.31						10
0800 5050																	
19N/02W-23N01 M	67	---	---														
7-14-71 --		7.2	850														
1210 5050																	
19N/03W-04E01 M	68	---	---														
7-28-71 --		7.0	600														
1030 5050																	
19N/03W-04L01 M	70	8.15	390	20	17	43	1.5	2.4	222	4	10	6	0.29		19	234	117
8-10-71 5701		---	---	0.98	1.36	1.87	0.04	0.08	3.64	0.09	0.28	0.09					0
-- 5701				23	32	44	1	2	87	2	7	2					
19N/03W-09A01 M	68	8.10	407	18	20	42	1.4	2.1	235	10	9	10	0.27		22	252	128
7-29-71 5701		---	---	0.90	1.66	1.83	0.04	0.07	3.85	0.21	0.25	0.02					0
-- 5701				20	38	41	1	2	87	5	6	0					
19N/03W-09F01 M	70	8.00	548	30	29	53	1.6	1.8	287	40	11	8	0.37		21	339	192
8-11-71 5701		---	---	1.48	2.36	2.31	0.04	0.06	4.70	0.83	0.31	0.14					0
-- 5701				24	38	37	1	1	78	14	5	2					
19N/03W-09J01 M	67	---	---														
7-14-71 --		7.8	500														
0825 5050																	
19N/03W-09R01 M	68	8.10	509	24	24	56	1.5	2.4	273	30	11	7	0.34		20	313	159
8-11-71 5701		---	---	1.20	1.98	2.44	0.04	0.08	4.48	0.63	0.31	0.11					0
-- 5701				21	35	43	1	1	80	11	6	2					
19N/03W-10D01 M	68	7.95	650	34	27	74	1.1	1.8	348	46	13	8	0.48		22	401	196
8-10-71 5701		---	---	1.68	2.24	3.22	0.03	0.06	5.70	0.95	0.37	0.13					0
-- 5701				24	31	45	0	1	79	13	5	2					
19N/03W-18P01 M	74	7.9	626	40	28	58	0.5	0	286	45	34	11		0.1		359	214
7-14-71 5050		7.7	610	2.00	2.28	2.52	0.01		4.69	0.94	0.96	0.18					0
0910 5050				29	34	37	0		69	14	14	3					
19N/03W-26P01 M	73	---	---														
7-28-71 --		7.3	590														
1050 5050																	
20N/02W-11Q01 M	67	7.5	422	40	23	18	0.4	0	252	9.5	8.7	8.8		0.0		217	194
7-14-71 5050		7.3	430	2.00	1.88	0.73	0.01		4.13	0.20	0.24	0.14					0
1300 5050				43	41	16	0		88	4	5	3					

TABLE E-1 (Cont.)

MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in Milligrams per Liter Milliequivalents per Liter Percent Reactance Value Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter F	B	SiO_2	TDS SUM	TH NCH
GLENN COUNTY 5-21.02 (Continued)																	
20N/02W-13Q01 M	67	8.1	469	41	32	17	0.4	0	287	14	6.8	10		0.0		257	232
7-14-71 5050		7.8	500	2.04	2.60	0.74	0.01		4.70	0.29	0.19	0.16					0
1235 5050				38	48	14	0		88	5	4	3					
20N/02W-22E01 M	71	8.2	280	22	12	19	0.6	0	150	4.8	9.4	4.8		0.1		166	105
7-28-71 5050		7.7	285	1.10	1.00	0.83	0.02		2.46	0.10	0.27	0.08					0
1130 5050				37	34	28	1		85	3	9	3					
20N/03W-02D01 M	65	7.5	438	46	21	16	0.8	0	216	13	22	18		0.0		252	201
7-12-71 5050		7.2	460	2.30	1.72	0.70	0.02		3.54	0.27	0.62	0.29					24
1155 5050				49	36	15	0		75	6	13	6					
20N/03W-16E01 M	74	8.2	290					0	181		3.0						130
7-28-71 5050		7.7	280						2.97		0.08						0
1010 5050																	
20N/03W-16E02 M	69	---	---														
7-28-71 --		7.4	275														
1000 5050																	
20N/03W-26R01 M	66	8.2	520	55	28	18	0.6	0	307	5.8	15	11		0.0		285	252
7-28-71 5050		7.1	560	2.74	2.29	0.78	0.02		5.03	0.12	0.42	0.18					0
1110 5050				47	39	14	0		88	2	7	3					
20N/04W-02Q01 M	75	---	---														
7-12-71 --		7.8	355														
1220 5050																	
21N/01W-29N01 M	68	8.3	395	44	18	14	0.6	0	220	12	12	5.0		0.1		213	183
7-28-71 5050		7.3	420	2.20	1.46	0.61	0.02		3.61	0.25	0.34	0.08					3
1320 5050				51	34	14	1		84	6	8	2					
21N/02W-15C01 M	68	8.0	666					0	299		42	31					303
7-20-71 5050		7.6	700						4.90		1.18	0.50					58
1500 5050																	
21N/03W-02Q01 M	70	---	---														
7-12-71 --		7.2	700														
1255 5050																	
21N/03W-08A02 M	70	7.6	278					0	168		7.9						111
7-28-71 5050		7.7	300						2.67		0.22						0
0938 5050																	
21N/03W-20D02 M	72	8.0	346					0	163		29	1.3					117
7-16-71 5050		7.6	350						2.67		0.82	0.02					0
2010 5050																	
22N/01W-19J01 M	64	7.65	423	39	19	21	1.3	0.6	192	22	23	6	0.13		19	247	173
7-16-71 5701		---	---	1.94	1.52	0.91	0.03	0.02	3.14	0.46	0.65	0.09					15
-- 5701				44	34	21	1	0	72	11	15	2					
22N/01W-29C01 M	67	7.5	506	48	26	22	0.6	0	241	25	25	19		0.1		314	227
7-14-71 5050		7.3	530	2.40	2.14	0.96	0.02		3.95	0.52	0.70	0.31					30
1335 5050				44	39	17	0		72	9	13	6					
22N/02W-03A01 M	68	7.1	519	48	21	26	0.4	0	179	41	35	36		0.1		349	208
7-12-71 5050		6.8	530	2.40	1.76	1.13	0.01		2.93	0.85	0.99	0.58					62
0920 5050				46	33	21	0		55	16	18	11					
22N/02W-04C02 M	72	7.8	440	34	22	22	0.8	0	170	22	29	19		0.0		262	176
7-28-71 5050		6.9	460	1.70	1.82	0.96	0.02		2.79	0.46	0.82	0.31					37
1423 5050				38	40	21	1		64	10	19	7					
22N/02W-07N01 M	68	8.2	517					0	256		18	16					228
7-28-71 5050		7.1	545						4.20		0.51	0.26					18
1440 5050																	
22N/02W-20Q01 M	72	8.0	490	54	21	21	0.8	0	251	29	18	4.5		0.2		273	221
7-28-71 5050		7.3	530	2.69	1.73	0.91	0.02		4.11	0.60	0.51	0.07					16
1455 5050				50	32	17	1		78	11	10	1					
22N/02W-26B01 M	65	8.3	420					0	217		16			0.1			189
7-12-71 5050		7.2	435						3.56		0.45						11
1000 5050																	
22N/03W-06H01 M	66	8.0	727	70	34	39	0.6	0	320	41	56	5.6		0.2		441	316
7-28-71 5050		7.0	740	3.49	2.82	1.52	0.02		5.24	0.85	1.58	0.09					54
0830 5050				45	36	19	0		68	11	20	1					
22N/03W-17E01 M	65	---	---														
7-28-71 --		7.3	420														
0855 5050																	
22N/03W-17K01 M	81	---	---														
7-12-71 --		7.4	510														
0820 5050																	
22N/03W-22G02 M	66	---	---														
7-28-71 --		7.3	400														
0800 5050																	

TABLE E-1 (Cont.)

MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in Milligrams per Liter Milliequivalents per Liter Percent Reactance Value Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter F	B	SiO_2	TDS SUM	TH NCH
GLENN COUNTY 5-21.02 (Continued)																	
22N/03W-22Q01 M	74	7.4	497	59	19	18	0.6	0	246	14	26	15		0.1		256	227
7-12-71 5050		7.3	500	2.94	1.60	0.78	0.02		4.03	0.29	0.73	0.24					26
0755 5050				55	30	15	0		76	5	14	5					
22N/03W-25B01 M	65	---	---														
7-12-71 --		7.2	415														
1025 5050																	
22N/03W-32R02 M	64	---	---														
7-28-71 --		6.8	380														
0920 5050																	
22N/04W-10B01 M	70	---	---														
7-12-71 --		7.2	510														
0835 5050																	
BUTTE COUNTY 5-21.03																	
17N/01E-01R01 M	66	8.3	356	23	21	22	2.5	0	212	1.4	9.1	3.2		0.1		235	143
6-23-71 5050		7.5	360	1.15	1.71	0.96	0.06		3.47	0.03	0.26	0.05					0
1300 5050				30	44	25	1		91	1	7	1					
17N/03E-18Q01 M	64	7.4	620	45	48	22	0.7	0	410	4.0	1.1	23		0.0		364	310
6-24-71 5050		7.1	610	2.24	3.95	0.96	0.02		6.72	0.08	0.03	0.37					0
0750 5050				31	55	14	0		93	1	1	5					
17N/03E-20C01 M	64	---	---														
6-24-71 --		7.1	330														
0830 5050																	
17N/04E-16M01 M	68	---	---														
6-24-71 --		6.8	245														
0930 5050																	
18N/01E-14R01 M	67	---	---														
6-24-71 --		7.4	303														
1200 5050																	
18N/02E-12G01 M	65	7.7	278			11		0	176		3.6						125
6-24-71 5050		7.0	278			0.48			2.88		0.10						0
1120 5050						16											
18N/02E-13R05 M	68	---	---														
6-23-71 --		7.2	170														
1700 5050																	
18N/02E-14K01 M	68	---	---														
6-24-71 --		7.4	252														
1135 5050																	
18N/03E-25J01 M	67	---	---														
6-24-71 --		7.1	187														
0900 5050																	
18N/03E-29P01 M	66	---	---														
6-23-71 --		7.3	220														
1450 5050																	
18N/03E-33N01 M	66	7.7	256	17	16	12	3.0	0	156	0.0	4.8	0.1		0.0		172	107
6-23-71 5050		7.4	258	0.85	1.29	0.52	0.08		2.56		0.14	0.00					0
1430 5050				31	47	19	3		95		5						
18N/04E-07A01 M	67	---	---														
6-24-71 --		7.1	155														
1015 5050																	
18N/04E-21P01 M	65	7.2	300	28	17	10	0.6	0	164	2.6	6.7	13		0.0		188	139
6-24-71 5050		7.1	300	1.40	1.38	0.44	0.02		2.69	0.05	0.19	0.21					5
1000 5050				43	43	13	1		86	1	6	7					
18N/04E-28M01 M	71	8.1	2610			519		0	157		288						119
6-23-71 5050		8.2	2580			22.58			2.57		8.12						0
0910 5050						90											
19N/02E-16R01 M	68	---	---														
6-24-71 --		7.3	235														
1245 5050																	
19N/04E-06P01 M	71	---	---														
6-29-71 --		7.2	200														
1315 5050																	
19N/04E-07P01 M	68	7.60	503	40	18	36	2.7	0.6	182	40	37	8	0.23		36	310	171
66-28-71 5701		---	---	1.98	1.44	1.57	0.07	0.02	2.98	0.83	1.04	0.12					21
-- 5701				39	29	31	1	0	60	17	21	2					
19N/04E-20C01 M	70	7.30	378	26	19	29	1.3	0.3	192	12	14	11	0.26		45	254	142
6-28-71 5701		---	---	1.32	1.52	1.26	0.03	0.01	3.15	0.25	0.39	0.18					0
-- 5701				32	37	30	1	0	79	6	10	5					

MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in Milligrams per Liter Milliequivalents per Liter Percent Reactance Value Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter F	B	SiO_2	TDS SUM	TH NCH
BUTTE COUNTY 5-21.03 (Continued)																	
19N/04E-20N01 M	71	7.30	389	26	19	31	1.5	0.3	197	13	13	12	1.01		43	258	140
6-29-71 5701		---	---	1.28	1.52	1.35	0.04	0.01	3.23	0.27	0.37	0.19					0
-- 5701				31	36	32	1	0	79	7	9	5					
20N/01E-01C01 M	65	7.5	654					0	348		18	43					336
6-24-71 5050		7.0	670						5.70		0.51	0.69					51
1325 5050																	
20N/02E-29R03 M	72	---	---														
6-24-71 --		7.4	610														
1300 5050																	
20N/03E-15H01 M	66	---	---														
6-29-71 --		6.1	170														
1210 5050																	
21N/01E-08H02 M	66	7.0	651	54	46	18	0.8	0	329	27	10	62		0.0		412	324
6-20-71 5050		7.0	650	2.69	3.78	0.78	0.02		5.39	0.56	0.28	1.00					54
0945 5050				37	52	11	0		74	8	4	14					
21N/02E-21M01 M	64	7.1	487	36	36	14	0.3	0	219	33	8.4	45		0.0		364	236
6-30-71 5050		6.8	490	1.80	2.92	0.61	0.01		3.59	0.69	0.24	0.72					57
0810 5050				34	55	11	0		68	13	5	14					
21N/02E-30F01 M	66	7.0	487	40	33	12	0.5	0	215	30	9.5	50		0.0		379	237
6-30-71 5050		6.8	488	2.00	2.74	0.52	0.01		3.52	0.62	0.27	0.81					61
0745 5050				38	52	10	0		67	12	5	16					
21N/03E-10K01 M	69	---	---														
6-29-71 --		6.8	220														
1230 5050																	
21N/03E-10Q01 M	68	---	---														
6-29-71 --		6.5	258														
1245 5050																	
21N/01W-35C01 M	66	---	---														
6-24-71 --		7.1	455														
1425 5050																	
22N/01E-05C01 M	65	---	---														
6-29-71 --		6.8	355														
0945 5050																	
22N/01E-05F01 M	66	7.3	302	20	14	22	0.8	0	135	5.9	6.8	32		0.1		210	106
6-29-71 5050		7.1	295	1.00	1.12	0.96	0.02		2.21	0.12	0.19	0.52					0
0930 5050				32	36	31	1		73	4	6	17					
22N/01E-23L01 M	66	7.80	271	22	12	14	1.8	0.6	128	5	11	16	0.00		43	190	105
7-04-71 5701		---	---	1.12	0.98	0.61	0.05	0.02	2.10	0.11	0.31	0.26					0
-- 5701				41	35	22	2	1	75	4	11	9					
22N/01E-27G02 M	65	7.70	447	44	21	19	2.2	0.9	250	10	14	7	0.12		53	296	197
5-12-71 5701		---	---	2.18	1.76	0.83	0.06	0.03	4.09	0.21	0.39	0.12					0
-- 5701				45	37	17	1	1	85	4	8	2					
22N/01E-36C01 M	67	8.05	234	17	10	17	2.7	0.6	133	3	8	1	0.12		51	177	84
7-06-71 5701		---	---	0.86	0.82	0.74	0.07	0.02	2.18	0.07	0.23	0.02					0
-- 5701				34	33	30	3	1	86	3	9	1					
22N/02E-17E01 M	63	---	---														
6-29-71 --		7.1	215														
1045 5050																	
23N/01W-09L01 M	64	7.0	591	49	44	13	1.6	0	258	50	9.2	56		0.0		386	302
6-29-71 5050		6.8	590	2.44	3.59	0.56	0.04		4.23	1.04	0.26	0.90					90
0900 5050				37	54	8	1		66	16	4	14					
COLUSA COUNTY 5-21.04																	
13N/01E-22J01 M	66	7.3	307	28	16	12	2.9	0	194	0.3	2.8	0.8		0.0		187	134
6-22-71 5050		7.1	315	1.40	1.28	0.52	0.07		3.18	0.01	0.08	0.01					0
1010 5050				43	39	16	2		97	0	3	0					
13N/01W-06Q01 M	68	8.0	1450					0	286			34					520
6-23-71 5050		7.1	1430						4.69			0.55					285
1020 5050																	
13N/01W-07A01 M	72	---	---														
6-28-71 --		7.4	1350														
1350 5050																	
13N/01W-30F01 M	70	---	---														
6-22-71 --		7.5	430														
1050 5050																	
13N/01W-36Q02 M	70	8.1	481					0	200		46						164
6-22-71 5050		7.4	475						3.28		1.30						0
1030 5050																	

MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in Milligrams per Liter Milliequivalents per Liter Percent Reactance Value Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter F	B	SiO_2	TDS SUM	TH NCH
COLUSA COUNTY 5-21.04 (Continued)																	
13N/02W-26A01 M	71	8.1	718					0	297		80	18					271
6-22-71 5050		7.6	720						4.87		2.26	0.29					27
1105 5050																	
13N/02W-26G01 M	72	7.9	566			44		0	297								209
6-22-71 5050		7.6	570			1.91			4.87								0
1115 5050						31											
14N/01E-16K01 M	68	---	---														
6-22-71 --		7.6	560														
0950 5050																	
14N/01W-02D01 M	66	---	---														
6-22-71 --		7.4	1150														
0930 5050																	
14N/02W-29J01 M	78	---	---														
6-23-71 --		7.1	268														
0855 5050																	
14N/02W-35P01 M	69	---	---														
6-22-71 --		7.5	545														
1145 5050																	
14N/03W-11A01 M	69	7.7	625	51	16	60	1.4	0	208	80	47	9.7		0.2		340	194
6-23-71 5050		7.5	600	2.54	1.34	2.61	0.04		3.41	1.66	1.32	0.16					24
0800 5050				39	20	40	1		52	25	20	3					
15N/02W-32R01 M	66	---	---														
6-23-71 --		7.2	690														
0745 5050																	
15N/03W-01R01 M	70	7.6	1000	38	34	140	1.4	0	380	101	88	0.0		0.4		603	237
6-21-71 5050		7.6	1060	1.90	2.80	6.09	0.04		6.23	2.10	2.48						0
1310 5050				18	26	56	0		58	19	23						
15N/03W-26L01 M	71	7.5	685	49	21	73	0.6	0	293	57	38	11		0.2		371	208
6-21-71 5050		7.3	700	2.44	1.72	3.18	0.02		4.80	1.19	1.07	0.18					0
1255 5050				33	24	43	0		66	16	15	3					
16N/01W-19F03 M	63	8.3	384	10	10	65	0.7	0	246	0.0	7.0	0.2		0.2		249	68
6-22-71 5050		8.0	380	0.50	0.86	2.83	0.02		4.03		0.20	0.00					0
0800 5050				12	20	67	1		95		5						
16N/01W-29J01 M	79	---	---														
6-21-71 --		7.8	450														
1605 5050																	
16N/01W-31Q01 M	67	8.1	2220			367		0	722								457
6-21-71 5050		7.6	2400			16.36			11.83								0
1615 5050						64											
16N/02W-04H01 M	68	---	---														
6-21-71 --		7.6	590														
1410 5050																	
16N/02W-25B02 M	65	---	---														
6-22-71 --		7.4	1230														
0830 5050																	
16N/02W-25B03 M	68	---	---														
6-22-71 --		7.3	1100														
0845 5050																	
16N/02W-35B01 M	68	8.2	686	18	24	95	1.0	0	271	76	39	0.5		0.3		420	142
6-22-71 5050		7.5	650	0.90	1.94	4.13	0.03		4.44	1.58	1.10	0.01					0
0735 5050				13	28	59	0		62	22	16	0					
16N/03W-09N01 M	77	---	---														
6-21-71 --		7.6	590														
1120 5050																	
17N/01W-30K03 M	68	---	---														
6-21-71 --		7.8	530														
1530 5050																	
17N/02W-12C01 M	69	8.3	492	40	25	38	1.0	0	324	6.7	5.3	0.1		0.2		264	201
6-21-71 5050		7.7	510	2.00	2.02	1.65	0.03		5.31	0.14	0.15	0.00					0
1430 5050				35	35	29	1		95	2	3						
17N/02W-30J02 M	68	8.2	1710	66	57	234	1.9	0	386	340	166	4.8		0.2		1130	398
6-21-71 5050		7.4	1780	3.29	4.66	10.18	0.05		6.33	7.08	4.68	0.08					81
1345 5050				18	26	56	0		35	39	26	0					
17N/02W-36P02 M	64	8.3	690	37	38	66	2.1	0	370	45	25	2.2		0.3		394	248
6-21-71 5050		7.1	800	1.85	3.11	2.87	0.05		6.06	0.94	0.71	0.04					0
1420 5050				24	39	36	1		78	12	9	1					
17N/03W-32M01 M	72	---	---														
6-21-71 --		7.4	610														
1100 5050																	

TABLE E-1 (Cont.)

MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in Milligrams per Liter Milliequivalents per Liter Percent Reactance Value Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter F	B	SiO_2	TDS SUM	TH NCH
COLUSA COUNTY 5-21.04 (Continued)																	
17N/03W-33R01 M	71	---	---														
6-21-71 --		7.5	950														
0905 5050																	
17N/03W-33R02 M	68	---	---														
6-21-71 --		7.3	910														
0910 5050																	
SUTTER COUNTY 5-21.05																	
11N/03E-24D01 M	64	8.0	621			54		0	401		9.5						246
8-13-71 5050		7.5	640			2.35			6.57		0.27						0
0900 5050						32											
11N/04E-04R02 M	67	7.9	674	55	37	43	0.8	0	360	15	34	9.6		0.1		384	288
8-12-71 5050		7.3	650	2.74	3.01	1.65	0.02		5.90	0.31	0.96	0.15					0
1500 5050				37	41	22	0		81	4	13	2					
11N/04E-35J01 M	69	8.2	304	21	8.4	33	1.3	0	146	1.0	21	3.2		0.2		194	87
8-13-71 5050		7.9	305	1.05	0.69	1.44	0.03		2.39	0.02	0.59	0.05					0
0730 5050				33	21	45	1		78	1	19	2					
12N/04E-25N01 M	66	7.9	354			18		0	189		12						157
8-13-71 5050		7.5	360			0.78			3.10		0.34						2
0815 5050						20											
13N/04E-33J01 M	73	7.8	561			24		0	309		27						263
8-12-71 5050		7.4	550			1.04			5.06		0.76						10
1430 5050						17											
14N/01E-24N01 M	67	7.5	480			35		0	272		8.6						192
8-12-71 5050		---	---			1.52			4.46		0.24						0
0930 5050						28											
14N/02E-13L01 M	67	7.9	367			25		0	236		2.4						156
8-12-71 5050		7.7	370			1.09			3.87		0.07						0
1200 5050						26											
14N/03E-06A02 M	69	7.9	732			49		0	431		8.1						328
8-12-71 5050		7.7	710			2.13			7.06		0.23						0
1230 5050						25											
15N/01E-35G01 M	67	8.0	548			12		0	345		11						260
8-12-71 5050		7.3	560			0.52			5.65		0.31						0
0900 5050						9											
15N/02E-01R01 M	70	8.1	327			11		0	179		4.3						152
8-12-71 5050		7.3	330			0.48			2.93		0.12						6
1310 5050						14											
15N/02E-22D01 M	67	7.9	274			18		0	147		9.3						106
8-11-71 5050		7.5	275			0.78			2.41		0.26						0
1400 5050						27											
15N/03E-15H04 M	69	7.6	878			22		0	475		57						448
8-12-71 5050		7.1	970			0.96			7.78		1.61						59
1345 5050						10											
15N/01W-13R01 M	74	7.6	500	42	32	18	2.1	0	278	20	16	0.6		0.1		290	236
8-12-71 5050		7.3	510	2.10	2.62	0.78	0.05		4.56	0.42	0.45	0.01					8
0830 5050				38	47	14	1		84	8	8	0					
16N/01E-05C01 M	68	8.0	384	27	21	20	4.0	0	177	11	22	8.7		0.0		271	152
8-11-71 5050		7.3	380	1.35	1.69	0.87	0.10		2.90	0.23	0.62	0.14					7
1230 5050				34	42	22	2		75	6	16	3					
16N/02E-02R01 M	67	8.0	418			14		0	239		7.6						205
8-11-71 5050		7.5	390			0.61			3.92		0.21						9
1030 5050						13											
16N/03E-04E01 M	66	7.8	253			12		0	134		2.8						109
8-11-71 5050		7.3	255			0.52			2.20		0.08						0
1000 5050						19											
YUBA COUNTY 5-21.06																	
13N/04E-02A02 M	68	8.0	286			18		0	123		20						111
8-06-71 5050		7.3	285			0.78			2.02		0.56						10
0900 5050						26											
14N/04E-14J02 M	73	7.8	197			13		0	95		10						71
8-06-71 5050		7.3	190			0.56			1.56		0.28						0
1000 5050						28											
14N/05E-32R03 M	68	7.9	283			13		0	132		14						118
8-06-71 5050		7.3	280			0.56			2.16		0.39						10
0815 5050						19											

TABLE E-1 (Cont.)

MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in Milligrams per Liter Milliequivalents per Liter Percent Reactance Value Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter F	B	SiO_2	TDS SUM	TH NCH
YUBA COUNTY 5-21.06 (Continued)																	
15N/03E-13F01 M	68	8.0	329			18		0	163		15						135
8-06-71 5050		7.5	300			0.78			2.67		0.42						2
1200 5050						22											
16N/03E-36E02 M	65	7.9	627			17		0	344		12						315
8-11-71 5050		7.3	630			0.74			5.64		0.34						33
0745 5050						11											
16N/04E-34E01 M	71	7.8	240			8.7		0	107		1.9						107
8-06-71 5050		7.3	230			0.38			1.75		0.05						40
1240 5050						15											
17N/03E-35R01 M	67	7.9	423	36	25	17	4.4	0	247	18	8.2	0.3		0.1		245	194
8-11-71 5050		7.5	410	1.80	2.08	0.74	0.11		4.05	0.37	0.23	0.00					0
0900 5050				38	44	16	2		87	8	5						
PLACER COUNTY 5-21.07																	
10N/05E-04Q01 M	70	7.9	272	16	7.8	30	1.7	0	114	1.6	24	4.0		0.3		192	72
8-04-71 5050		7.5	275	0.80	0.64	1.31	0.04		1.87	0.03	0.68	0.06					0
1500 5050				29	23	47	1		71	1	26	2					
10N/06E-02K01 M	68	344	7.7	25.6	12.6	19.0	2.3		146	3.6	24.0	12.0		0.0		260	116
5-14-71 5210		390	6.8	1.28	1.04	0.83	0.06		2.39	0.07	0.68	0.19					0
0815 5050				40	32	26	2		72	2	20	6					
10N/06E-12M01 M	68	476	7.3	32.0	11.2	49.0	2.0		139	17.0	65.5	2.6		0.8		332	126
5-14-71 5210		350	7.0	1.60	0.92	2.13	0.05		2.28	0.35	1.85	0.04					12
0845 5050				34	20	45	1		50	8	41	1					
11N/05E-17E01 M	71	8.0	244			22		0	113		15						76
8-04-71 5050		7.5	240			0.96			1.85		0.42						0
1400 5050						37											
11N/06E-35P01 M	67	299	7.5	27.2	10.2	21.5	1.9		146	5.4	16.0	5.6		0.1		226	110
5-14-71 5210		350	7.0	1.36	0.84	0.94	0.05		2.39	0.11	0.45	0.09					0
0830 5050				43	26	29	2		78	4	15	3					
12N/05E-03A01 M	70	7.6	176	11	6.7	17	0.9	0	95	0.0	6.6	0.3		0.1		148	55
8-05-71 5050		7.5	175	0.55	0.55	0.74	0.02		1.56		0.19	0.00					0
1100 5050				30	29	40	1		89		11						
12N/05E-17H01 M	71	7.8	178			17		0	93		6.5						54
8-05-71 5050		7.3	180			0.74			1.52		0.18						0
0930 5050						41											
13N/06E-16D01 M	--	7.3	129			11		0	47		5.7						39
8-06-71 5050		6.5	130			0.48			0.77		0.16						1
0615 5050						38											
SACRAMENTO COUNTY 5-21.08																	
05N/03E-13B01 M	62	8.2	858	25.6	43.7	118	3.6		571	0.0	14.0	0.0		0.8		530	244
6-01-71 5210		7.6	---	1.28	3.60	5.13	0.09		9.36		0.39						0
1300 5050				13	35	51	1		96		4						
05N/04E-16E02 M	65	8.2	912	12.8	4.4	175	3.2		207	0.0	180	0.0		1.2		503	50
6-01-71 5210		7.6	---	0.64	0.36	7.61	0.08		3.39		5.08						0
1330 5050				7	4	88	1		40		60						
05N/04E-16R02 M	61	8.5	219	4.0	1.0	38.0	1.2		101	0.0	6.5	0.0		0.2		147	14
6-02-71 5210		7.6	215	0.20	0.08	1.65	0.03		1.66		0.18						0
1340 5050				10	4	84	2		90		10						
05N/04E-22H01 M	68	8.7	180	12.0	8.3	13.0	1.7		92	0.6	6.0	0.0		0.0		138	64
6-02-71 5210		7.4	150	0.60	0.68	0.57	0.04		1.51	0.01	0.17						0
1720 5050				32	36	30	2		89	1	10						
05N/04E-26K01 M	62	8.2	383	8.0	4.8	86.0	1.4		218	0.0	15.0	0.0		0.5		244	40
6-01-71 5210		7.6	450	0.40	0.40	3.74	0.04		3.58		0.42						0
1615 5050				9	9	81	1		90		10						
05N/05E-17A02 M	65	8.5	943	70.4	62.2	61.0	0.9		195	19.0	188	0.0		0.1		620	432
6-02-71 5210		7.6	---	3.51	5.13	2.65	0.02		3.20	0.40	5.30						272
1300 5050				31	45	24	0		36	4	60						
05N/06E-15C03 M	70	8.0	196	12.0	7.3	17.0	2.2		106	1.5	7.0	0.0		0.0		151	60
6-02-71 5210		7.5	220	0.60	0.60	0.74	0.06		1.74	0.03	0.20						0
1120 5050				30	30	37	3		88	2	10						
05N/06E-17D01 M	70	8.0	207	10.4	3.4	30.0	1.6		110	0.0	9.0	0.0		0.1		176	40
6-02-71 5210		7.5	220	0.52	0.28	1.31	0.04		1.80		0.25						0
1205 5050				24	13	61	2		88		12						
05N/07E-08J01 M	65	7.9	142	8.8	4.4	12.0	1.2		63	0.0	6.0	11.0		0.0		157	40
6-02-71 5210		7.4	170	0.44	0.36	0.52	0.03		1.03		0.17	0.18					0
1018 5050				33	27	38	2		75		12	13					

TABLE E-1 (Cont.)

MINERAL ANALYSES OF GROUND WATER

State Well Number / Date / Time	Lab / Sampler	Temp.	pH Lab / Field	EC Lab / Field	Mineral Constituents in Milligrams per Liter / Milliequivalents per Liter / Percent Reactance Value: Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter: F	B	SiO_2	TDS SUM	TH NCH
SACRAMENTO COUNTY 5-21.08 (Continued)																		
05N/07E-08M02 M		66	7.7	199	12.0	7.3	17.0	1.3		92	0.0	8.5	13.0		0.0		188	60
6-02-71	5210		7.2	220	0.60	0.60	0.74	0.03		1.51		0.24	0.21					0
1100	5050				30	30	38	2		77		12	11					
05N/07E-11R02 M		70	7.5	150			25		0	65		8.6						24
7-27-71	5050		7.3	150			1.09			1.06		0.24						0
1330	5050						69											
05N/07E-12P01 M		63	7.7	160	8.0	4.8	20.0	1.4		71	0.0	7.0	14.0		0.0		188	40
6-02-71	5210		7.2	187	0.40	0.40	0.87	0.04		1.16		0.20	0.23					0
0910	5050				23	23	51	3		73		13	14					
05N/08E-16L01 M		60	7.3	395	38.4	16.5	16.0	4.8		151	55.0	12.0	13.0		0.0		309	164
6-02-71	5210		6.6	460	1.92	1.36	0.70	0.12		2.48	1.14	0.34	0.21					40
0830	5050				47	33	17	3		60	27	8	5					
06N/05E-03F01 M		64	7.7	484			19		0	281		15						222
7-28-71	5050		7.3	480			0.83			4.60		0.42						0
0700	5050						16											
06N/05E-31L03 M		67	8.0	267			21		0	150		12						101
7-28-71	5050		7.9	270			0.91			2.46		0.34						0
0800	5050						31											
06N/06E-23C02 M		67	7.7	251			18		0	117		13						88
7-28-71	5050		7.1	250			0.78			1.92		0.37						0
0930	5050						31											
06N/06E-33J02 M		67	7.6	209	12	9.0	17	1.7	0	89	9.5	9.6	5.7		0.0		178	67
7-29-71	5050		7.3	210	0.60	0.74	0.74	0.04		1.46	0.20	0.27	0.09					0
0700	5050				28	35	35	2		72	10	13	5					
06N/08E-21P03 M		75	7.7	196	2.7	1.7	38	2.8	0	80	15	5.8	4.2		0.1		191	14
7-27-71	5050		7.3	195	0.13	0.14	1.65	0.07		1.31	0.31	0.16	0.07					0
1430	5050				6	7	83	4		71	17	8	4					
06N/08E-29H01 M		78	7.8	151	4.0	2.9	22.0	3.9		71	2.5	4.0	6.4		0.0		174	22
5-05-71	5210		7.6	155	0.20	0.24	0.96	0.10		1.16	0.05	0.11	0.10					0
1300	5050				13	16	64	7		82	3	8	7					
07N/05E-03N01 M		70	7.7	186			12		0	90		8.8						67
7-28-71	5050		7.5	185			0.52			1.48		0.25						0
1500	5050						28											
07N/06E-10Q01 M		69	7.6	203			17		0	105		7.5						66
7-28-71	5050		7.3	200			0.74			1.72		0.21						0
1330	5050						36											
07N/07E-08B01 M		69	7.4	222	9.8	7.9	28	1.1	0	124	1.2	6.2	3.0		0.0		188	57
8-03-71	5050		7.0	255	0.49	0.65	1.22	0.03		2.03	0.02	0.17	0.05					0
0700	5050				21	27	51	1		90	1	7	2					
07N/07E-14R01 M		--	7.6	240			9.6		0	127		4.7						106
7-28-71	5050		7.1	240			0.42			2.08		0.13						2
1200	5050						18											
07N/07E-33G01 M		69	7.5	261			15		0	122		16						102
7-28-71	5050		7.1	260			0.65			2.00		0.45						2
1030	5050						24											
07N/08E-10K01 M		61	7.2	2970	232	124	170	8.0		93	174	800	58.0		0.2		2380	1090
5-05-71	5210		6.0	---	11.58	10.22	7.40	0.20		1.53	3.62	22.56	0.93					1014
0840	5050				39	35	25	1		5	13	79	3					
07N/08E-10K02 M		--	8.0	1100	80.0	26.7	115	6.6		139	245	126	0.0		0.4		787	310
5-21-71	5210		7.0	---	3.99	2.21	5.00	0.17		2.28	5.10	3.55						196
1415	5050				35	19	44	2		21	47	32						
07N/09E-07D01 M		65	5.9	522	24.0	22.9	59.0	1.2		22	52.0	150	12.0		0.0		383	154
5-05-71	5210		6.0	535	1.20	1.88	2.57	0.03		0.36	1.08	4.23	0.19					136
0910	5050				21	33	45	1		6	19	72	3					
07N/09E-31K01 M		59	8.2	389	9.6	1.5	72.0	4.8		117	58.0	20.5	1.1		2.1		306	30
5-05-71	5210		7.6	440	0.48	0.12	3.13	0.12		1.92	1.21	0.58	0.02					0
1200	5050				13	3	81	3		51	32	16	1					
08N/05E-06H01 M		66	8.0	461			22		0	154		66						171
8-03-71	5050		7.7	450			0.96			2.52		1.86						45
1300	5050						22											
08N/07E-18E01 M		71	7.6	166	12	7.3	11	2.1	0	96	0.0	4.2	0.5		0.1		135	60
8-02-71	5050		7.7	170	0.60	0.60	0.48	0.05		1.57		0.12	0.01					0
1030	5050				35	35	27	3		92		7	1					
09N/03E-01C01 M		62	8.1	235	8.8	9.2	33.0	1.7		115	0.0	15.0	0.1		0.7		163	60
5-13-71	5210		7.6	260	0.44	0.76	1.44	0.04		1.89		0.42	0.00					0
1300	5050				16	28	54	2		82		18						
09N/05E-09F01 M		69	7.6	251			16		0	111		18						93
8-03-71	5050		7.3	250			0.70			1.82		0.51						2
1200	5050						27											

MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in Milligrams per Liter Milliequivalents per Liter Percent Reactance Value Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter F	B	SiO_2	TDS SUM	TH NCH
SACRAMENTO COUNTY 5-21.08 (Continued)																	
09N/05E-14H03 M	68	8.0	234	15.2	11.7	14.0	2.1		122	0.8	10.0	2.8		0.0		206	86
5-14-71 5210		7.4	265	0.76	0.96	0.61	0.05		2.00	0.02	0.28	0.05					0
0925 5050				32	40	26	2		85	1	12	2					
09N/05E-36H01 M	68	8.3	231	21	12	8.2	2.7	0	142	0.8	5.4	0.0		0.0		155	101
3-11-71 5050		---	240	1.05	0.97	0.36	0.07		2.33	0.02	0.15						0
-- 5050				43	39	15	3		93	1	6						
09N/05E-36R01 M	69	7.7	228	20	11	8.3	3.7	0	115	4.0	7.6	5.3		0.0		165	94
8-04-71 5050		7.4	230	1.00	0.88	0.36	0.09		1.88	0.08	0.21	0.09					0
1015 5050				43	38	15	4		83	4	9	4					
09N/06E-01F01 M	--	7.6	335	26.4	14.4	19.0	3.1		155	5.3	16.0	14.0		0.0		246	126
6-08-71 5210		---	---	1.32	1.20	0.83	0.08		2.54	0.11	0.45	0.23					0
-- 5702				39	35	24	2		76	3	14	7					
09N/06E-02L01 M	--	7.5	358	28.2	16.0	22.0	1.1		146	11.0	20.0	19.0		0.0		280	134
6-08-71 5210		---	---	1.41	1.27	0.96	0.03		2.39	0.23	0.56	0.31					15
-- 5702				38	35	26	1		68	7	16	9					
09N/06E-34R01 M	67	7.6	240			11		0	109		10						97
8-02-71 5050		7.3	240			0.48			1.79		0.28						8
1200 5050						20											
09N/07E-10D01 M	61	7.7	296			8.3		0	159		9.7						137
8-02-71 5050		7.5	285			0.36			2.61		0.27						7
1300 5050						12											
09N/07E-18M03 M	66	8.1	242	26.4	7.8	10.0	3.7		121	11.0	6.0	3.8		0.0		181	98
5-11-71 5210		7.4	255	1.32	0.64	0.44	0.09		1.98	0.23	0.17	0.06					0
1455 5050				53	26	18	3		81	9	7	3					
10N/04E-30A01 M	64	7.8	469			39		0	263		15						163
8-03-71 5050		7.3	460			1.70			4.31		0.42						0
1030 5050						34											
10N/05E-14A01 M	67	7.9	418	19.2	9.7	46.0	2.7		93	13.0	72.5	5.2		0.8		313	88
5-13-71 5210		7.4	460	0.96	0.80	2.00	0.07		1.53	0.27	2.04	0.08					12
1400 5050				25	21	52	2		39	7	52	2					
10N/05E-14Q02 M	70	7.7	329	22.4	18.0	19.0	1.3		146	3.6	30.0	5.5		0.0		250	130
5-13-71 5210		7.0	380	1.12	1.48	0.83	0.03		2.39	0.07	0.85	0.09					11
1435 5050				32	43	24	1		70	2	25	3					
10N/05E-17H01 M	70	7.6	318			26		0	104		40						95
8-03-71 5050		7.4	320			1.13			1.70		1.13						10
0930 5050						37											
10N/05E-30N01 M	70	8.0	296	24.0	8.7	24.0	2.4		143	1.6	25.0	0.1		0.0		198	96
5-13-71 5210		7.6	310	1.20	0.72	1.04	0.06		2.35	0.03	0.71	0.00					0
1330 5050				40	24	34	2		76	1	23	0					
10N/06E-13N01 M	--	7.9	400	15.2	6.3	30.0	1.8		145	17.0	38.0	2.8		0.8		293	64
6-08-71 5210		---	---	0.76	0.52	1.31	0.05		2.38	0.35	1.07	0.05					0
-- 5702				29	20	49	2		62	9	28	1					
10N/06E-21C01 M	69	7.5	258			14		0	90		27						94
8-03-71 5050		6.9	260			0.61			1.48		0.76						20
0830 5050						24											
10N/06E-22L01 M	--	7.5	404	17.6	13.6	43.0	2.3		144	5.3	45.0	6.8		0.3		293	100
6-08-71 5210		---	---	0.88	1.12	1.87	0.06		2.36	0.11	1.27	0.11					0
-- 5050				22	28	48	2		61	3	33	3					
10N/06E-23G01 M	--	7.7	304	20.0	9.2	29.0	1.8		137	3.6	17.0	6.4		0.1		244	88
6-08-71 5210		---	---	1.00	0.76	1.26	0.05		2.25	0.07	0.48	0.10					0
-- 5702				32	25	41	2		78	2	17	3					
10N/07E-19F01 M	64	7.5	312	24.0	12.2	22.0	1.6		143	1.5	18.5	13.0		0.0		240	110
5-11-71 5210		6.8	350	1.20	1.00	0.96	0.04		2.35	0.03	0.52	0.21					0
1350 5050				38	31	30	1		75	1	17	7					
YOLO COUNTY 5-21.09																	
07N/03E-06R01 M	67	7.9	919			62		0	516		33						414
8-17-71 5050		7.7	950			2.70			8.46		0.93						0
0700 5050						25											
08N/02E-13H02 M	64	7.8	1240			72		0	507		110						539
8-17-71 5050		7.7	1300			3.13			8.31		3.10						124
0730 5050						22											
08N/01W-20J02 M	69	8.1	359			24		0	172		13						149
8-17-71 5050		7.9	360			1.04			2.82		0.37						8
0945 5050						26											
09N/02E-22H02 M	66	8.1	2020	42	104	310	1.2	0	992	149	133	30		7.4		1280	532
8-17-71 5050		7.7	2000	2.10	8.53	13.49	0.03		16.26	3.10	3.75	0.48					0
0815 5050				9	35	56	0		69	13	16	2					

MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in Milligrams per Liter Milliequivalents per Liter Percent Reactance Value Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter F	B	SiO_2	TDS SUM	TH NCH
YOLO COUNTY 5-21.09 (Continued)																	
09N/01W-21E01 M	64	7.8	822			56		0	336		82						324
8-17-71 5050		7.3	790			2.44			5.51		2.31						48
0915 5050						27											
10N/01E-15H02 M	66	7.9	514			36		0	233		32						195
8-13-71 5050		7.7	510			1.57			3.82		0.90						4
1415 5050						29											
10N/02E-17J03 M	68	7.9	570			39		0	266		40						225
8-13-71 5050		7.7	575			1.70			4.36		1.13						7
1200 5050						27											
10N/03E-32E01 M	68	8.1	586	29	22	69	1.9	0	279	22	41	0.7		1.9		333	165
8-13-71 5050		7.7	600	1.45	1.85	3.00	0.05		4.57	0.46	1.16	0.01					0
1015 5050				23	29	47	1		74	7	19	0					
10N/01W-27C01 M	64	8.2	994			56		0	456		75						421
8-17-71 5050		7.3	1000			2.44			7.47		2.12						48
1430 5050						22											
10N/02W-01M02 M	69	8.0	481	36	25	34	0.4	0	264	6.3	16	15		0.1		270	481
8-18-71 5050		7.5	480	1.80	2.04	1.48	0.01		4.33	0.13	0.45	0.24					265
0815 5050				34	38	28	0		84	2	9	5					
10N/02W-26M01 M	70	8.1	851			62		0	360		52						338
8-17-71 5050		7.3	850			2.70			5.90		1.47						43
1045 5050						29											
11N/01E-16F01 M	68	8.0	520			40		0	257		35						198
8-13-71 5050		7.9	525			1.74			4.21		0.99						0
1315 5050						31											
11N/02E-14F04 M	69	8.0	520			58		0	281		24						166
8-13-71 5050		7.9	510			2.52			4.60		0.68						0
1240 5050						43											
12N/01W-21A01 M	70	8.4	409			17		5	256		3.9						196
8-18-71 5050		7.9	410			0.74		0.17	4.20		0.11						0
0915 5050						16											
SOLANO COUNTY 5-21.11																	
04N/03E-31F02 M	64	8.5	800	20	21	117		8	3.25		82						138
8-04-71 5050		8.1	810	1.00	1.76	5.09		0.27	5.33		2.31						0
0945 5050				13	22	65											
05N/01E-23R01 M	67	8.3	738	7.2	8.5	156	0.4	0	344	74	26	0.2		1.0		472	53
7-23-71 5050		8.1	745	0.36	0.70	6.79	0.01		5.64	1.54	0.73	0.00					0
1530 5050				5	9	86	0		71	20	9	0					
05N/01E-35B01 M	65	8.5	1570	78	52	173	0.4	19	284	88	275	70		0.6		876	410
8-12-71 5050		7.4	1610	3.89	4.30	7.52	0.01	0.63	4.65	1.83	7.76	1.13					146
1615 5050				25	27	48	0	4	29	11	49	7					
06N/01E-13J02 M	69	8.3	712	28	32	87	0.5	0	369	38	35	2.5		0.4		413	203
8-03-71 5050		7.7	710	1.40	2.66	3.78	0.01		6.05	0.79	0.99	0.04					0
1715 5050				18	34	48	0		77	10	13	0					
06N/01W-23L01 M	67	8.4	560	50	20	41		4	277		16						209
8-03-71 5050		7.5	550	2.50	1.68	1.78		0.13	4.54		0.45						0
1400 5050				42	28	30											
07N/02E-18R02 M	66	8.0	1290	30	147	49	1.3	0	823	39	32	45		0.7		717	678
8-03-71 5050		7.7	1380	1.50	12.05	2.13	0.03		13.49	0.81	0.90	0.72					1
1630 5050				9	77	14	0		85	5	6	4					
07N/01W-14P03 M	70	8.2	371	41	8.5	29	0.6	0	193	18	9.9	8.6		0.0		237	137
8-03-71 5050		7.5	365	2.04	0.70	1.26	0.02		3.16	0.37	0.28	0.14					0
1515 5050				51	17	31	1		80	9	7	4					
SAN JOAQUIN VALLEY 5-22.00																	
SAN JOAQUIN COUNTY 5-22.01																	
01N/07E-17P01 M	69	7.9	316			20		0	132		27						107
7-16-71 5050		7.6	315			0.87			2.16		0.76						0
0800 5050						29											
01N/08E-15J01 M	68	7.9	291			16		0	148		14						113
7-22-71 5050		7.2	290			0.70			2.42		0.39						0
1000 5050						24											
01N/09E-16F01 M	67	8.1	221			11		0	100		12						83
7-22-71 5050		7.1	220			0.48			1.64		0.34						1
0930 5050						22											

MINERAL ANALYSES OF GROUND WATER

State Well Number / Date / Time	Lab / Sampler	Temp.	pH Lab / Field	EC Lab / Field	Mineral Constituents in Milligrams per Liter / Milliequivalents per Liter / Percent Reactance Value: Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter: F	B	SiO_2	TDS SUM	TH NCH
SAN JOAQUIN COUNTY 5-22.01 (Continued)																		
02N/06E-16C02 M		64	8.2	546	60	24	18	3.4	0	227	52	32	2.6		0.0		374	248
5-13-71	5050		7.8	510	2.99	1.97	0.78	0.09		3.72	1.08	0.90	0.04					62
1440	5050				51	34	13	2		65	19	15	1					
02N/07E-12J02 M		66	8.0	856	94	39	32	5.4	0	369	65	21	93		0.1		548	396
7-23-71	5050		7.1	850	4.69	3.22	1.39	0.14		6.05	1.35	0.59	1.50					94
1230	5050				50	34	15	1		64	14	6	16					
02N/07E-20E04 M		73	7.7	363			16		0	1.87		7.6						151
7-22-71	5050		7.4	350			0.70			3.07		0.21						0
1330	5050						19											
02N/08E-21J01 M		68	7.9	251			13		0	147		4.6						99
7-22-71	5050		7.3	250			0.56			2.41		0.13						0
1230	5050						22											
03N/06E-17H03 M		68	7.9	385			24		0	214		9.4						155
7-23-71	5050		7.3	380			1.04			3.51		0.26						0
0915	5050						25											
03N/07E-16C06 M		69	7.6	297	27	9.6	22	2.1	0	142	14	11	6.2		0.1		207	107
7-23-71	5050		7.3	300	1.35	0.79	0.96	0.05		2.33	0.29	0.31	0.10					0
1050	5050				43	25	30	2		77	10	10	3					
03N/08E-15A02 M		70	7.7	166			17		0	80		7.1						43
7-26-71	5050		7.3	170			0.74			1.31		0.20						0
0945	5050						46											
04N/05E-13R03 M		71	7.9	1250	116	51	92	1.0	0	498	73.4	108	68		0.1		799	498
6-07-71	5050		7.6	---	5.79	4.16	4.00	0.03		8.16	1.53	3.05	1.10					90
1400	5050				41	30	29	0		59	11	22	8					
04N/05E-17M02 M		65	8.0	570	24	16	74	0.8	0	231	0.0	73	0.0		0.3		316	127
6-07-71	5050		7.6	750	1.19	1.35	3.22	0.02		3.79		2.06						0
1700	5050				21	23	56	0		65		35						
04N/05E-24J03 M		69	7.9	404	33	15	38	0.6	0	245	10	6.6	2.2		0.1		257	145
7-27-71	5050		7.7	400	1.65	1.25	1.65	0.02		4.02	0.21	0.19	0.04					0
0900	5050				36	27	36	1		90	5	4	1					
04N/06E-16J03 M		64	7.2	422	31	20	26	1.1	0	179	16	27	18		0.0		286	161
6-07-71	5050		6.8	500	1.57	1.65	1.13	0.03		2.93	0.33	0.76	0.29					14
1335	5050				36	37	26	1		68	8	17	7					
04N/06E-16R07 M		66	7.7	208			13		0	115		4.3						76
7-23-71	5050		7.3	210			0.56			1.88		0.12						0
0830	5050						27											
04N/06E-24L04 M		70	7.5	537	44	28	24	4.6	0	255	20	33	9.8		0.0		354	226
6-07-71	5050		7.2	600	2.22	2.30	1.04	0.12		4.18	0.42	0.93	0.16					17
1300	5050				39	41	18	2		74	7	16	3					
04N/06E-24L05 M		67	7.7	317	24	16	10	4.8	0	149	7.9	16	6.4		0.0		238	124
6-07-71	5050		7.2	330	1.19	1.30	0.44	0.12		2.44	0.16	0.45	0.10					2
1300	5050				39	43	14	4		78	5	14	3					
04N/07E-14R06 M		65	7.4	346	25	14	23	1.7	0	134	0.7	36	12		0.0		256	118
6-07-71	5050		6.9	400	1.23	1.14	1.00	0.04		2.20	0.01	1.01	0.19					8
1145	5050				36	34	29	1		64	0	30	6					
04N/07E-15E01 M		68	7.5	375			23		0	155		28						136
7-26-71	5050		7.1	360			1.00			2.54		0.79						9
1500	5050						27											
04N/07E-20H03 M		70	7.6	288	22	13	17	2.4	0	130	10	14	11		0.1		232	106
6-07-71	5050		7.2	320	1.09	1.03	0.74	0.06		2.13	0.21	0.39	0.18					0
--	5050				38	35	25	2		73	7	14	6					
04N/07E 23B04 M		64	7.6	209	14	8.8	15	3.2	0	120	0.0	11	4.3		0.0		190	70
6-07-71	5050		7.2	240	0.68	0.72	0.65	0.08		1.67		0.31	0.07					0
1035	5050				32	34	30	4		82		15	3					
04N/07E-29E02 M		68	7.8	312	23	13	20	2.2	0	131	14	17	9.7		0.1		228	113
7-27-71	5050		7.3	330	1.15	1.11	0.87	0.06		2.15	0.29	0.48	0.16					6
1030	5050				36	35	27	2		70	9	16	5					
04N/08E-17J01 M		63	7.5	278	22	12	15	4.5	0	140	6.4	9.2	5.1		0.1		205	107
6-07-71	5050		7.0	310	1.12	1.02	0.65	0.12		2.29	0.13	0.26	0.08					0
1000	5050				39	35	22	4		83	5	9	3					
04N/08E-22K02 M		73	7.6	232			12		0	119		3.8						91
7-26-71	5050		7.1	230			0.52			1.95		0.11						0
1215	5050						22											
04N/08E 29E04 M		65	7.8	319	24	15	18	3.8	0	161	4.4	18	1.9		0.0		225	123
7-26-71	5050		7.1	315	1.20	1.26	0.78	0.10		2.64	0.09	0.51	0.03					0
1045	5050				36	38	23	3		81	3	15	1					

MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in Milligrams per Liter Milliequivalents per Liter Percent Reactance Value Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter F	B	SiO_2	TDS SUM	TH NCH
SAN JOAQUIN COUNTY 5-22.01 (Continued)																	
05N/08E-26P01 M	72	7.7	136	7.4	4.5	12	3.0	0	59	0.0	5.6	7.7		0.1		151	37
7-26-71 5050		7.3	135	0.37	0.37	0.52	0.08		0.97		0.16	0.12					0
1345 5050				28	27	39	6		77		13	10					
01S/06E-23C02 M	68	8.3	577	39	9.4	66	2.6	0	150	8.9	101	0.0		0.2		324	136
5-13-71 5050		7.9	560	1.95	0.77	2.87	0.07		2.46	0.19	2.85						13
1220 5050				34	14	51	1		45	3	52						
01S/07E-21G01 M	69	8.0	296			20		0	122		3.8						102
7-14-71 5050		7.7	290			0.87			2.00		0.11						2
1200 5050						30											
01S/08E-16R01 M	70	8.0	355			20		0	188		12						135
7-16-71 5050		7.7	350			0.87			3.08		0.34						0
1415 5050						24											
01S/09E-16P02 M	74	7.9	461			22		0	238		24						192
7-16-71 5050		7.3	460			0.96			3.90		0.68						0
1300 5050						20											
02S/05E-25D02 M	70	7.8	1570			123		0	206		239						523
7-14-71 5050		7.5	1600			5.35			3.38		6.74						354
1000 5050						34											
02S/06E-20M01 M	66	8.0	3290	225	121	425	2.8	0	375	954	438	36		4.6		2550	1060
5-13-71 5050		7.5	3500	11.23	9.95	18.49	0.07		6.15	19.84	12.35	0.58					752
0900 5050				28	25	47	0		16	51	32	1					
02S/09E-19B02 M	67	7.3	215	18	6.8	13	2.8	0	75	18	4.0	20		0.1		176	73
7-22-71 5050		7.4	215	0.90	0.56	0.57	0.07		1.23	0.37	0.11	0.32					12
0830 5050				43	27	27	3		61	18	5	16					
03S/05E-11D01 M	66	7.9	1310	98	35	117	3.0	0	240	116	220	38		1.8		763	389
5-13-71 5050		7.5	1400	4.89	2.88	5.09	0.08		3.93	2.42	6.21	0.61					192
0800 5050				38	22	39	1		30	18	47	5					
04S/06E-09D01 M	69	7.9	609			42		0	184		49						212
7-14-71 5050		7.5	590			1.83			3.02		1.38						61
0930 5050						30											
MISCELLANEOUS AREA 5-80.00																	
07N/09E-07H01 M	61	7.4	360	19.2	15.1	31.0	0.7		113	28.0	19.0	40.0		0.2		238	110
5-05-71 5210		6.6	390	0.96	1.24	1.35	0.02		1.85	0.58	0.54	0.64					18
0950 5050				27	35	38	0		51	16	15	18					
07N/09E-07H02 M	59	6.8	211	9.6	5.3	23.0	1.3		61	17.0	20.5	0.0		0.4		123	46
5-05-71 5210		6.2	260	0.48	0.44	1.00	0.03		1.00	0.35	0.58						0
0950 5050				25	23	51	1		52	18	30						
07N/09E-08F01 M	66	6.1	119	5.6	2.4	10.5	1.4		18	17.0	12.5	0.0		0.0		81	24
5-05-71 5210		6.0	145	0.28	0.20	0.46	0.04		0.30	0.35	0.35						9
1020 5050				29	20	47	4		30	35	35						
07N/09E-08FS2M	63	5.8	90	3.2	2.4	8.0	1.0		7	0.6	9.5	27.0		0.0		80	18
5-05-71 5210		6.0	100	0.16	0.20	0.35	0.03		0.11	0.01	0.27	0.43					13
1030 5050				22	27	47	4		13	1	33	53					
LAHONTAN REGION 6-00.00																	
SURPRISE VALLEY 6-01.00																	
39N/17E-05D01 M	66	---	---														
9-15-71 --		8.2	365														
1025 5050																	
40N/16E-11G01 M	54	---	---														
9-15-71 --		7.6	215														
1305 5050																	
40N/16E-13R01 M	55	---	---														
9-15-71 --		7.4	225														
1240 5050																	
40N/16E-36F01 M	58	---	---														
9-15-71 --		7.2	300														
0750 5050																	
40N/16E-36G01 M	54	8.0	306					0	184		0.0						135
9-15-71 5050		7.2	302						3.02								0
0800 5050																	
40N/16E-36R02 M	90	8.1	336			41		0	107		12						75
9-15-71 5050		7.8	310			1.78			1.75		0.34						0
0840 5050						54											

TABLE E-1 (Cont.)

MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in Milligrams per Liter Milliequivalents per Liter Percent Reactance Value Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter F	B	SiO_2	TDS SUM	TH NCH
SURPRISE VALLEY 6-01.00 (Continued)																	
40N/17E-20C01 M	56	8.1	362					0	130		22						93
9-15-71 5050		7.7	365						2.13		0.62						0
1130 5050																	
40N/17E-31M01 M	51	7.9	250					0	145		0.8						115
9-15-71 5050		7.1	245						2.38		0.02						0
0815 5050																	
40N/17E-31P01 M	60	7.8	364			15		0	158		9.0						161
9-15-71 5050		7.0	345			0.65			2.59		0.25						32
0910 5050						17											
41N/16E-09A02 M	55	8.1	233					0	128		0.0						106
9-16-71 5050		7.5	230						2.10								1
1045 5050																	
41N/16E-23J01 M	64	7.9	344			61		0	66		22						34
9-15-71 5050		7.5	325			2.65			1.08		0.62						0
1400 5050						80											
41N/16E-25C03 M	59	---	---														
9-15-71 --		8.0	195														
1440 5050																	
41N/16E-35D02 M	57	---	---														
9-15-71 --		7.3	138														
1315 5050																	
42N/16E-04P01 M	61	7.9	326	32	11	23	0.7	0	190	12	4.0	3.9		0.1		226	125
9-14-71 5050		---	325	1.60	0.90	1.00	0.02		3.11	0.25	0.11	0.06					0
1250 5050				45	26	28	1		88	7	3	2					
42N/16E-05F01 M	54	8.0	426			21		0	265		1.0						189
9-15-71 5050		7.4	438			0.91			4.34		0.03						0
1700 5050						19											
42N/16E-08E01 M	63	---	---														
9-14-71 --		8.2	258														
1315 5050																	
42N/16E-08F01 M	56	---	---														
9-14-71 --		7.2	330														
1330 5050																	
42N/16E-08M01 M	51	7.8	238					0	145		0.0						119
9-15-71 5050		7.3	245						2.38								0
1715 5050																	
42N/16E-08M02 M	59	8.4	126			9.2		0	70		0.5						49
9-15-71 5050		8.4	130			0.40			1.15		0.01						0
0720 5050						29											
42N/16E-29B02 M	54	8.2	208					0	123		0.0						86
9-16-71 5050		7.3	205						2.02								
1115 5050																	
42N/16E-29G01 M	50	7.8	165			10		0	94		0.0						64
9-16-71 5050		7.0	167			0.44			1.54								0
0810 5050						26											
42N/16E-29H01 M	55	7.8	256			14		0	147		0.5						111
9-16-71 5050		7.1	255			0.61			2.41		0.01						0
0815 5050						22											
42N/16E-34F01 M	61	---	---														
9-16-71 --		8.0	310														
1100 5050																	
43N/16E-05L01 M	56	8.1	285					0	162		1.9						128
9-13-71 5050		7.1	300						2.66		0.05						0
1400 5050																	
43N/16E-07A03 M	54	---	---														
9-13-71 --		7.1	232														
1315 5050																	
43N/16E-08D01 M	69	7.9	275					0	152		2.8						126
9-13-71 5050		7.2	280						2.49		0.08						2
1510 5050																	
43N/16E-20B01 M	63	---	---														
9-14-71 --		7.8	292														
1420 5050																	
43N/16E-32K01 M	66	8.3	247	13	2.8	39	0.3	0	141	5.1	2.2	5.2		0.1		164	44
9-16-71 5050		8.3	245	0.65	0.23	1.70	0.01		2.31	0.11	0.06	0.08					0
1415 5050				25	9	66	0		91	4	2	3					

TABLE E-1 (Cont.)

MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in Milligrams per Liter Milliequivalents per Liter Percent Reactance Value Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter F	B	SiO_2	TDS SUM	TH NCH
SURPRISE VALLEY 6-01.00 (Continued)																	
43N/16E-33M03 M	59	7.9	631	71	21	40	0.8	0	364	22	14	12		0.2		384	263
9-14-71 5050		7.3	670	3.54	1.71	1.74	0.02		5.97	0.46	0.39	0.19					0
1340 5050				51	24	25	0		85	7	5	3					
43N/17E-20D01 M	64	8.4	601					2	184		49						33
9-16-71 5050		8.0	585					0.07	3.02		1.38						0
1230 5050																	
43N/17E-21J01 M	73	8.0	382					0	372		20						61
9-16-71 5050		7.9	385						6.10		0.56						0
1240 5050																	
44N/15E-36F02 M	64	7.3	134			4.5		0	83		2.4						65
9-14-71 5050		6.8	130			0.20			1.36		0.07						0
1100 5050						13											
44N/16E-31B01 M	62	7.8	415					0	242		3.0						182
9-14-71 5050		7.0	430						3.97		0.08						0
1400 5050																	
45N/16E-17D01 M	58	---	---														
9-13-71 --		7.1	260														
1600 5050																	
45N/16E-19Q01 M	65	---	---														
9-13-71 --		7.9	325														
1545 5050																	
46N/16E-08R02 M	60	7.8	228	5.8	2.3	41	3.5	0	120	10	4.8	3.9		0.2		203	24
9-14-71 5050		7.5	238	0.29	0.19	1.78	0.09		1.97	0.21	0.14	0.06					0
0930 5050				12	8	76	4		83	9	6	2					
46N/16E-08R03 M	54	7.7	416	32	20	13	2.5	0	90	12	15	98		0.2		332	162
9-14-71 5050		6.5	425	1.60	1.64	0.57	0.06		1.48	0.25	0.42	1.58					88
0920 5050				41	42	15	2		40	7	11	42					
46N/16E-16M01 M	50	7.5	139					0	76		1.9						51
9-14-71 5050		6.3	142						1.24		0.05						0
1030 5050																	
46N/16E-20B01 M	59	8.0	360			54		0	132		17						51
9-14-71 5050		7.3	360			2.35			2.16		0.48						0
1115 5050						70											
46N/16E-23B01 M	54	---	---														
9-14-71 --		7.7	320														
0800 5050																	
MADELINE PLAINS 6-02.00																	
34N/13E-18E01 M	58	---	---														
7-26-71 --		7.7	165														
1500 5050																	
34N/14E-23E01 M	64	---	---														
7-26-71 --		7.4	272														
1300 5050																	
34N/15E-21L01 M	62	---	---														
7-26-71 --		7.1	148														
1315 5050																	
35N/13E-25M01 M	54	7.9	982			48		0	511		42	60					429
7-26-71 5050		7.2	1060			2.09			8.38		1.18	0.97					10
1520 5050						20											
35N/16E-19F01 M	60	---	---														
7-26-71 --		7.1	335														
1350 5050																	
37N/13E-16A01 M	64	---	---														
7-26-71 --		7.4	455														
1610 5050																	
37N/13E-20Q01 M	57	7.9	2900	153	138	305	22	0	440	724	370	22		0.2		2160	950
7-26-71 5050		7.4	3100	7.63	11.35	13.27	0.56		7.21	15.08	10.44	0.36					589
1545 5050				23	35	40	2		22	46	31	1					
WILLOW CREEK VALLEY 6-03.00																	
31N/12E-13M01 M	49	---	---														
5-20-71 --		7.1	1420														
0730 5050																	
31N/12E-25G01 M	58	---	---														
5-20-71 --		7.3	365														
0830 5050																	

TABLE E-1 (Cont.)

MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in Milligrams per Liter Milliequivalents per Liter Percent Reactance Value Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter F	B	SiO_2	TDS SUM	TH NCH
HONEY LAKE VALLEY 6-04.00																	
22N/17E-04K01 M	56	8.2	407	28	9.5	47	1.9	0	197	12	9.9	30		0.0		318	109
5-20-71 5050		7.2	418	1.40	0.78	2.04	0.05		3.23	0.25	0.28	0.48					0
1230 5050				33	18	48	1		76	6	7	11					
25N/17E-21N03 M	59	---	---														
5-18-71 --		7.9	300														
1445 5050																	
25N/17E-29H01 M	55	7.8	236	25	6.2	13	1.3	0	93	6.7	7.8	22		0.0		171	88
5-18-71 5050		6.8	250	1.25	0.51	0.57	0.03		1.52	0.14	0.22	0.35					12
1515 5050				53	22	24	1		68	6	10	16					
26N/16E-02G01 M	--	7.7	450	29	9.1	52	5.0	0	193	45	14	0.0	0.4		90	309	110
10-00-70 5000		---	---	1.45	0.75	2.26	0.13		3.17	0.94	0.39						0
-- 5000				32	16	49	3		70	21	9						
27N/14E-06C01 M	58	---	---														
5-20-71 5050		6.3	310														
1020 5050																	
27N/14E-26E01 M	56	---	---														
5-20-71 --		6.1	198														
1040 5050																	
27N/14E-26F05 M	54	7.6	234	22	5.4	11	3.4	0	39	8.4	8.6	57		0.1		215	77
5-18-71 5050		6.1	238	1.10	0.44	0.48	0.09		0.64	0.17	0.24	0.92					45
0800 5050				52	21	23	4		32	9	12	47					
27N/16E-36P02 M	--	7.5	877	74	26	78	5.5	0	189	234	34	5.6	0.6		67	628	292
10-00-70 5000		---	---	3.69	2.14	3.39	0.14		3.10	4.87	0.96	0.09					137
-- 5000				39	23	36	2		34	54	11	1					
28N/13E-09E01 M	56	7.5	183					0	75		3.9						64
5-20-71 5050		6.3	185						1.23		0.11						3
0945 5050																	
28N/13E-25L01 M	59	7.8	143	12	3.6	11	1.7	0	61	0.3	4.9	12		0.0			45
5-18-71 5050		6.8	145	0.60	0.30	0.48	0.04		1.00	0.01	0.14	0.19					0
0900 5050				42	21	34	3		75	1	10	14					
28N/14E-06H01 M	68	8.3	434	5.5	2.6	86	7.5	0	228	9.5	11	13		0.4		335	24
5-18-71 5050		7.6	430	0.27	0.21	3.74	0.19		3.74	0.20	0.31	0.21					0
1015 5050				6	5	85	4		84	4	7	5					
28N/14E-17B01 M	57	8.2	379	30	11	40	2.7	0	213	14	5.9	5.6		0.1		240	120
5-19-71 5050		7.3	395	1.50	0.90	1.74	0.07		3.49	0.29	0.17	0.09					0
1545 5050				36	21	41	2		87	7	4	2					
28N/17E-18K01 M	61	---	---														
5-19-71 --		8.1	262														
1400 5050																	
28N/17E-20J01 M	80	---	---														
5-19-71 --		8.0	230														
1410 5050																	
29N/12E-02P06 M	54	8.3	419	16	6.1	70	3.9	0	224	18	12	0.9		0.9		278	65
5-17-71 5050		7.4	435	0.80	0.50	3.04	0.10		3.67	0.37	0.34	0.01					0
1130 5050				18	11	69	2		84	8	8	0					
29N/12E-15A01 M	53	7.6	206					0	121		2.7						78
5-19-71 5050		6.9	205						1.98		0.76						0
0730 5050																	
29N/12E-16M02 M	65	8.3	219	12	5.6	29	1.0	0	112	11	2.6	4.6		0.1		129	53
5-17-71 5050		7.8	230	0.60	0.46	1.26	0.03		1.84	0.23	0.07	0.07					0
1300 5050				25	20	54	1		83	11	3	3					
29N/13E-01N01 M	58	---	---														
5-19-71 --		7.8	630														
0850 5050																	
29N/13E-06K01 M	58	8.1	307	20	9.2	34	6.5	0	167	17	4.4	4.8		0.2		231	88
5-19-71 5050		7.3	310	1.00	0.76	1.48	0.17		2.74	0.35	0.12	0.08					0
0800 5050				29	22	44	5		83	11	4	2					
29N/13E-14G01 M	57	7.9	1080	31	16	168	6.2	0	217	54	78	215		0.2		740	144
5-19-71 5050		7.1	1120	1.55	1.33	7.31	0.16		3.56	1.12	2.20	3.47					0
1030 5050				15	13	70	2		34	11	21	34					
29N/14E-04N01 M	60	8.3	667	12	3.2	139	8.0	0	330	46	21	4.8		0.5		453	43
5-19-71 5050		7.6	670	0.60	0.26	6.05	0.20		5.41	0.96	0.59	0.08					0
0930 5050				8	4	85	3		77	14	8	1					
29N/14E-17Q01 M	54	8.3	2080	27	11	437	7.0	0	713	306	128	7.0		4.9		1390	112
5-19-71 5050		8.0	2100	1.35	0.89	19.01	0.18		11.69	6.37	3.61	0.11					0
1130 5050				6	4	89	1		54	29	17	0					
29N/14E-18R01 M	57	8.3	1440					0	631			67					30
5-19-71 5050		7.8	1450						10.34			1.08					0
1030 5050																	

TABLE E-1 (Cont.)

MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in Milligrams per Liter Milliequivalents per Liter Percent Reactance Value Ca	Mg	Na	K	CO_3	HCO_3	SO_4	Cl	NO_3	Milligrams per Liter F	B	SiO_2	TDS SUM	TH NCH
HONEY LAKE VALLEY 6-04.00 (Continued)																	
29N/14E-19A02 M	57	---	---														
5-19-71 --		7.4	1830														
1110 5050																	
29N/14E-20A03 M	50	8.3	1310	32	17	238	11	0	413	219	81	9.1		1.3		861	151
5-17-71 5050		7.8	1360	1.60	1.42	10.35	0.28		6.77	4.56	2.29	0.15					0
1545 5050				12	10	76	2		49	33	17	1					
29N/15E-25A01 M	66	8.9	661	1.2	0.2	144	3.6	17	214	76	32	40		0.8		408	4
10-13-71 5050		8.4	645	0.06	0.02	6.26	0.09	0.57	3.51	1.58	0.90	0.06					0
1015 5050				1	0	97	2	9	53	24	13	1					
29N/15E-30A03 M	57	8.0	587					0	379		7.0						44
5-19-71 5050		7.8	600						6.21		0.20						0
1450 5050																	
29N/16E-30L01 M	82	---	---														
5-19-71 --		7.8	315														
1240 5050																	
30N/14E-19L01 M	55	8.2	425	26	19	35	6.3	0	200	43	6.8	6.5		0.1		282	144
5-17-71 5050		7.7	470	1.30	1.58	1.52	0.16		3.28	0.90	0.19	0.10					0
1415 5050				29	35	33	3		74	20	4	2					
TAHOE VALLEY 6-05.00																	
SOUTH TAHOE VALLEY 6-05.01																	
12N/18E-03J01 M	47	7.9	82	8.3	2.3	4.9	1.0	0	45	0.0	0.4	1.3		0.0		70	30
5-19-71 5050		6.9	85	0.41	0.19	0.21	0.03		0.74		0.01	0.02					0
1300 5050				49	23	25	3		96		1	3					
12N/18E-21D01 M	46	7.6	81			4.7		0	48		0.0						32
5-18-71 5050		8.1	80			0.20			0.79								0
1330 5050						24											

TABLE E-2

TRACE ELEMENT ANALYSES OF GROUND WATER

State Well Number	Date Sampled	Constituents in Milligrams per Liter									
		Arsenic	Barium	Cadmium	Copper	Iron	Lead	Manganese	Mercury	Selenium	Zinc
CENTRAL VALLEY REGION 5-00.00											
BIG VALLEY 5-04.00											
38N/08E-30R01 M	7-28-71	0.00									
UPPER LAKE VALLEY 5-13.00											
15N/09W-06Q01 M	6-10-71	0.00		0.00	0.00	0.22	0.01	0.58		0.01	0.32
KELSEYVILLE VALLEY 5-15.00											
13N/09W-05D03 M	6-08-71	0.00		0.00	0.00	0.23	0.01	0.02		0.00	0.01
13N/09W-16D03 M	6-09-71	0.00		0.00	0.00	0.21	0.02	0.19		0.00	0.03
13N/09W-21F02 M	6-09-71	0.00		0.00	0.00	0.35	0.00	0.11		0.00	0.04
SACRAMENTO VALLEY 5-21.00											
BUTTE COUNTY 5-21.03											
17N/01E-01R01 M	6-23-71	0.02									
COLUSA COUNTY 5-21.04											
16N/01W-31Q01 M	6-21-71	0.01									
PLACER COUNTY 5-21.07											
10N/06E-02K01 M	5-14-71	0.00	0.1	0.00			0.00		0.0000	0.00	
10N/06E-12M01 M	5-14-71	0.00	0.0	0.00			0.00		0.0000	0.00	
11N/06E-35P01 M	5-14-71	0.00	0.0	0.00			0.00		0.0000	0.00	
SACRAMENTO COUNTY 5-21.08											
05N/03E-13B01 M	6-01-71	0.01	0.2	0.00			0.00		0.0000	0.00	
05N/04E-16E02 M	6-01-71	0.00	0.2	0.00			0.00		0.0000	0.00	
05N/04E-16R02 M	6-02-71	0.00	0.0	0.00			0.00		0.0000	0.00	
05N/04E-22H01 M	6-02-71	0.00	0.0	0.00			0.00		0.0000	0.00	
05N/04E-26K01 M	6-01-71	0.01	0.1	0.00			0.00		0.0000	0.00	
05N/05E-17A02 M	6-02-71	0.00	0.0	0.00			0.00		0.0000	0.00	
05N/06E-15C03 M	6-02-71	0.00	0.1	0.00			0.00		0.0000	0.00	
05N/06E-17D01 M	6-02-71	0.03	0.0	0.00			0.00		0.0000	0.00	
05N/07E-08J01 M	6-02-71	0.00	0.1	0.00			0.00		0.0000	0.00	
05N/07E-08M02 M	6-02-71	0.00	0.1	0.00			0.00		0.0000	0.00	
05N/07E-12P01 M	6-02-71	0.00	0.0	0.00			0.00		0.0000	0.00	
05N/08E-16L01 M	6-02-71	0.00	0.1	0.00			0.00		0.0000	0.00	
06N/08E-29H01 M	5-05-71	0.00	0.1	0.00			0.00		0.0001	0.00	
07N/08E-10K01 M	5-06-71	0.00	0.1	0.00			0.00		0.0000	0.00	
07N/09E-07D01 M	5-05-71	0.00	0.1	0.00			0.00		0.0008	0.00	
07N/09E-31K01 M	5-05-71	0.01	0.1	0.00			0.00		0.0000	0.00	
09N/03E-01C01 M	5-13-71	0.02	0.0	0.00			0.00		0.0000	0.00	
09N/05E-14H03 M	5-14-71	0.00	0.0	0.00			0.00		0.0000	0.00	

TABLE E-2 (Continued)

TRACE ELEMENT ANALYSES OF GROUND WATER

State Well Number	Date Sampled	Constituents in Milligrams per Liter									
		Arsenic	Barium	Cadmium	Copper	Iron	Lead	Manganese	Mercury	Selenium	Zinc
SACRAMENTO COUNTY 5-21.08 (Continued)											
09N/06E-01F01 M	6-07-71	0.00	0.2	0.00			0.00		0.0000	0.00	
09N/06E-02L01 M	6-07-71	0.00	0.1	0.00		<0.01	0.00	<0.06	0.0000	0.00	
09N/07E-18M03 M	5-11-71	0.00	0.1	0.00			0.00		0.0000	0.00	
10N/05E-14A01 M	5-13-71	0.00	0.0	0.00			0.00		0.0000	0.00	
10N/05E-14Q02 M	5-13-71	0.00	0.0	0.00			0.00		0.0000	0.00	
10N/05E-30N01 M	5-13-71	0.01	0.0	0.00			0.00		0.0000	0.00	
10N/06E-13N01 M	6-07-71	0.00	0.1	0.00		0.04	0.00	<0.06	0.0000	0.00	
10N/06E-22L01 M	6-07-71	0.00	0.2	0.00			0.00		0.0000	0.00	
10N/06E-23G01 M	6-07-71	0.00	0.1	0.00			0.00		0.0000	0.00	
10N/07E-19F01 M	5-11-71	0.00	0.0	0.00			0.00		0.0000	0.00	
SAN JOAQUIN VALLEY 5-22.00											
SAN JOAQUIN COUNTY 5-22.01											
02N/06E-16C02 M	5-13-71	0.00	0.1	0.00			0.00		0.0000	0.00	
04N/05E-13R03 M	6-07-71	0.00	0.2	0.00		0.00	0.00	0.00	0.0000	0.00	
04N/05E-17M02 M	6-07-71	0.00	0.1	0.00		0.00	0.02	0.08	0.0000	0.00	
04N/06E-16J03 M	6-07-71	0.00	0.1	0.00		0.00	0.00	0.00	0.0000	0.00	
04N/06E-24L04 M	6-07-71	0.00	0.1	0.00		0.00	0.00	0.00	0.0000	0.00	
04N/06E-24L05 M	6-07-71	0.00	0.1	0.00		0.00	0.00	0.00	0.0000	0.00	
04N/07E-14R06 M	6-07-71	0.00	0.0	0.00		0.00	0.00	0.00	0.0000	0.00	
04N/07E-20H03 M	6-07-71	0.00	0.2	0.00		0.00	0.00	0.00	0.0000	0.00	
04N/07E-23B04 M	6-07-71	0.00	0.0	0.00		0.05	0.00	0.00	0.0000	0.00	
04N/08E-17J01 M	6-07-71	0.00	0.0	0.00		0.00	0.00	0.00	0.0000	0.00	
01S/06E-23C02 M	5-13-71	0.02	0.2	0.00			0.00		0.0000	0.00	
02S/06E-20M01 M	5-13-71	0.00	0.1	0.00			0.00		0.0000	0.01	
03S/05E-11D01 M	5-13-71	0.00	0.1	0.00			0.00		0.0000	0.00	
MISCELLANEOUS AREA 5-80.00											
07N/09E-07H01 M	5-05-71	0.00	0.1	0.00			0.00		0.0000	0.00	
07N/09E-07H02 M	5-05-71	0.00	0.0	0.00			0.00		0.0000	0.00	
07N/09E-08F01 M	5-05-71	0.00	0.1	0.00			0.00		0.0000	0.00	
07N/09E-08FS2 M	5-05-71	0.00	0.1	0.00			0.00		0.0000	0.00	
LAHONTAN REGION 6-00.00											
HONEY LAKE VALLEY 6-04.00											
29N/12E-02P06 M	5-17-71	0.00									
29N/12E-16M02 M	5-17-71	0.02									
29N/13E-14G01 M	5-19-71	0.00									
29N/14E-17Q01 M	5-19-71	0.96									
29N/14E-18R01 M	5-19-71	0.18									
29N/14E-20A03 M	5-17-71	0.04									
29N/15E-30A03 M	5-19-71	0.04									
30N/14E-19L01 M	5-17-71	0.00									